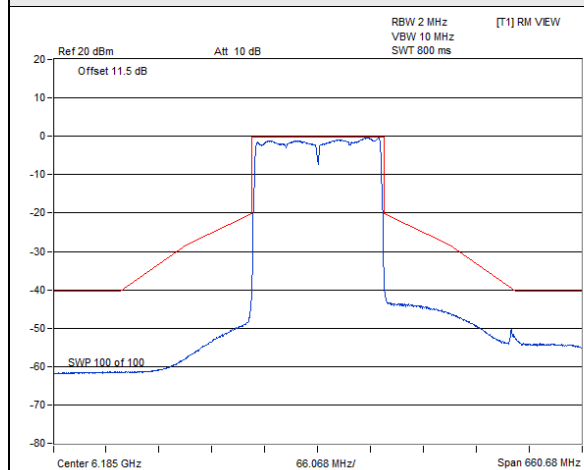
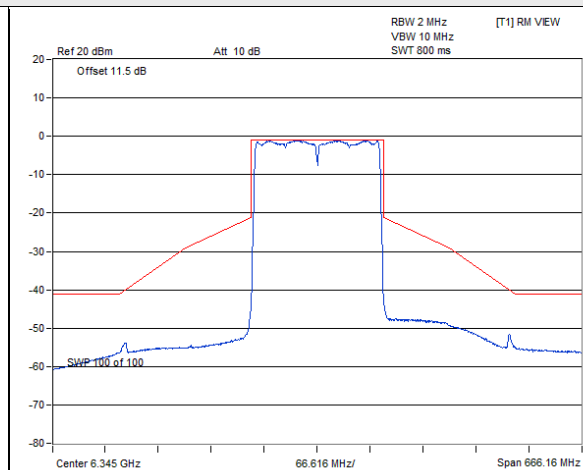


802.11be (EHT160) Beamforming

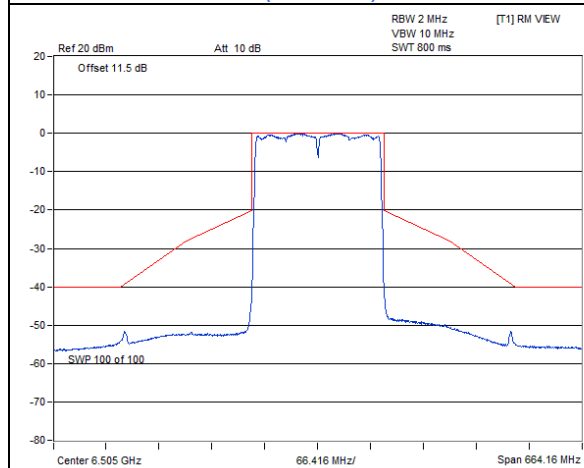
Spectrum Plot



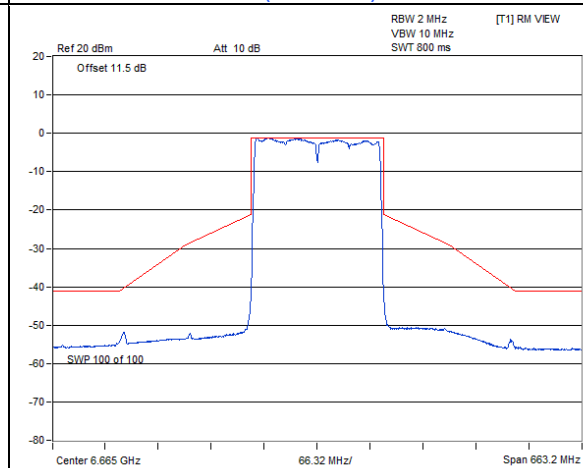
802.11be (EHT160) / Chain 0 : CH 47



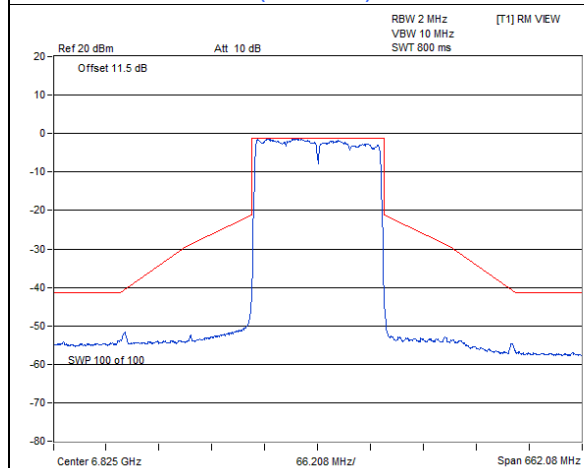
802.11be (EHT160) / Chain 0 : CH 79



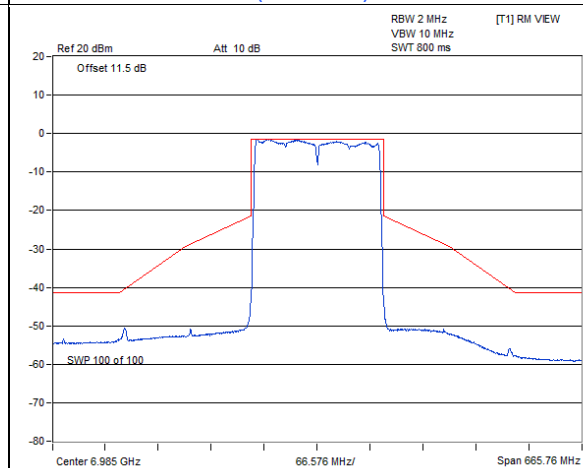
802.11be (EHT160) / Chain 0 : CH 111



802.11be (EHT160) / Chain 0 : CH 143

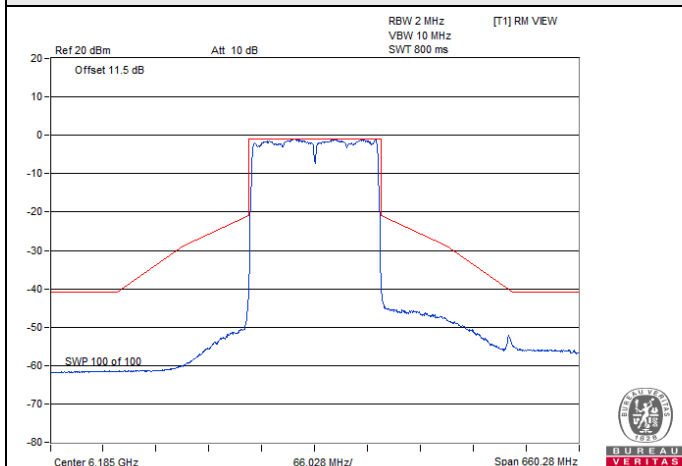


802.11be (EHT160) / Chain 0 : CH 175

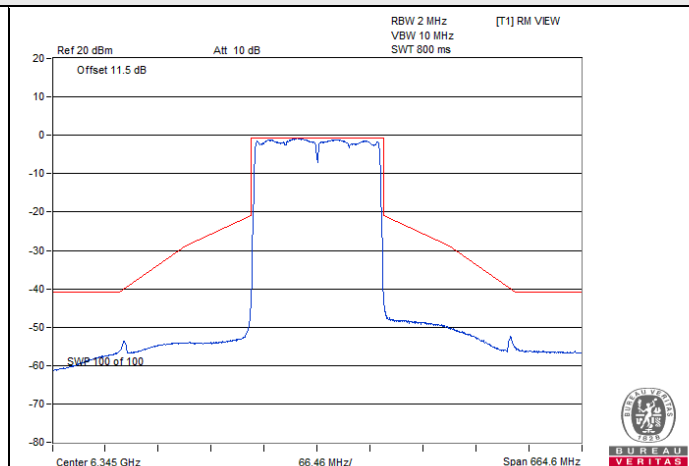


802.11be (EHT160) / Chain 0 : CH 207

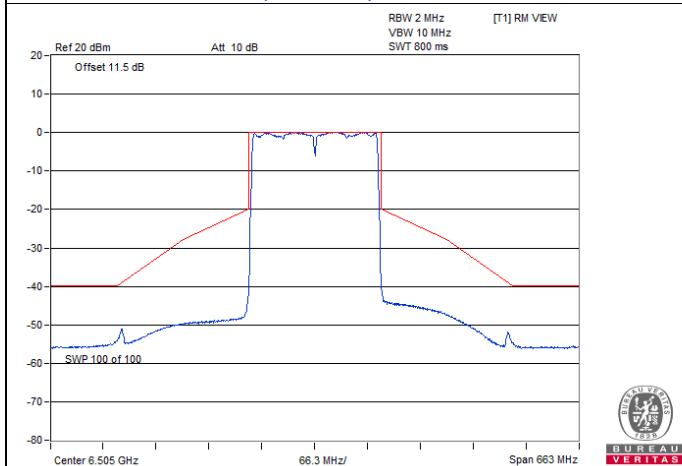
Spectrum Plot



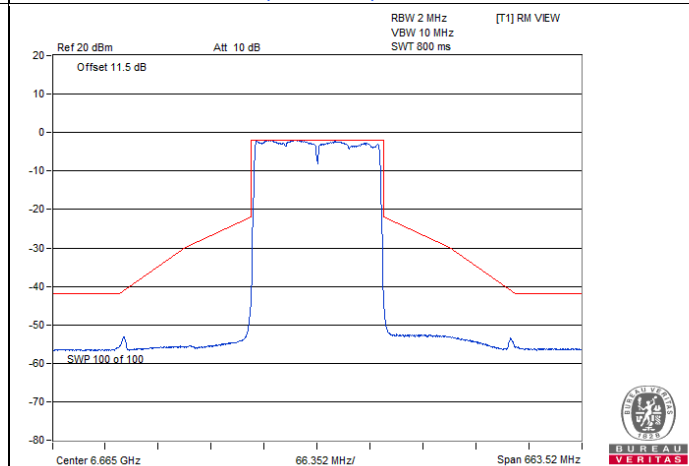
802.11be (EHT160) / Chain 1 : CH 47



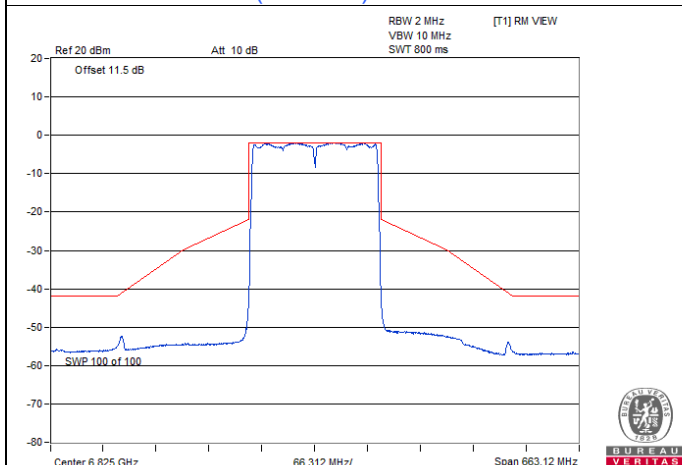
802.11be (EHT160) / Chain 1 : CH 79



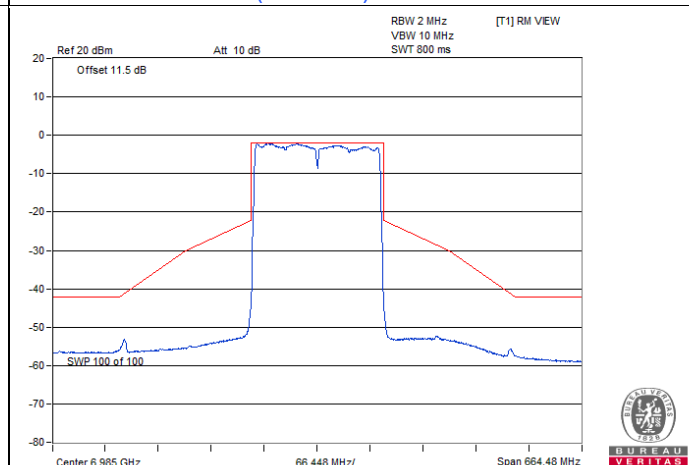
802.11be (EHT160) / Chain 1 : CH 111



802.11be (EHT160) / Chain 1 : CH 143

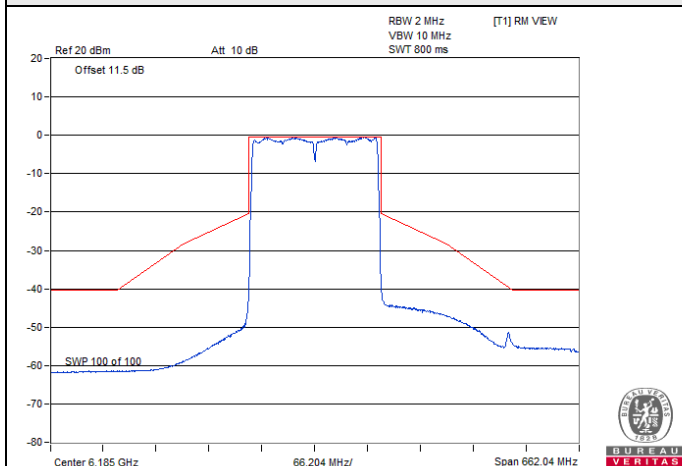


802.11be (EHT160) / Chain 1 : CH 175

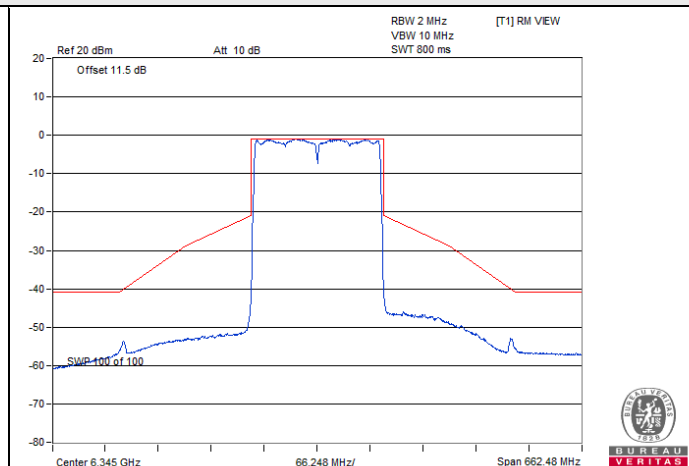


802.11be (EHT160) / Chain 1 : CH 207

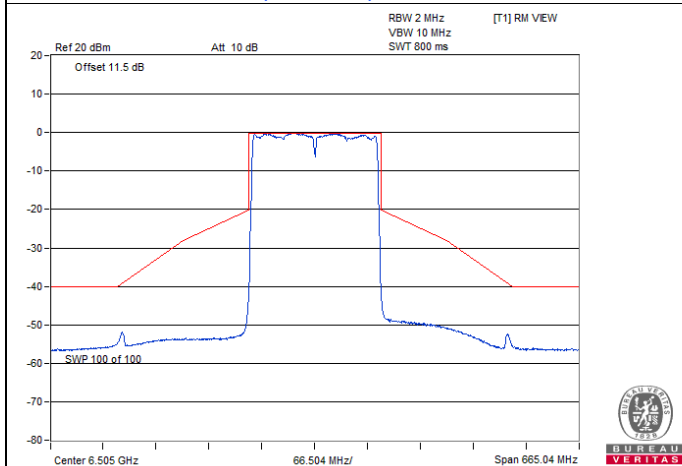
Spectrum Plot



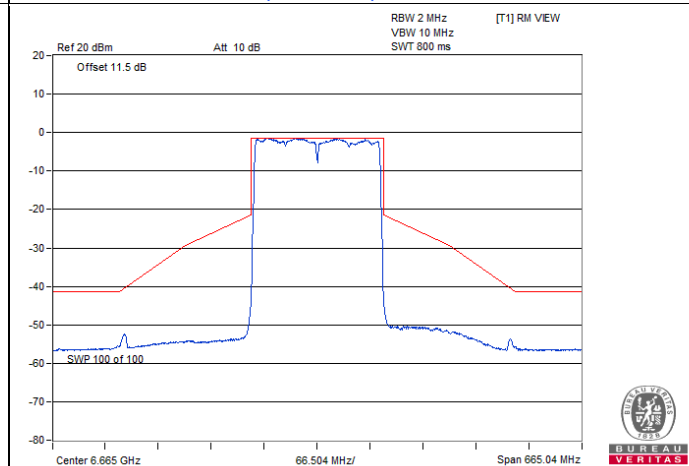
802.11be (EHT160) / Chain 2 : CH 47



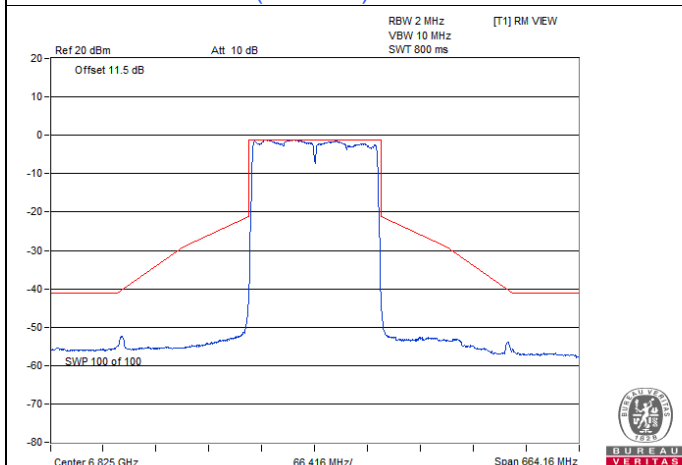
802.11be (EHT160) / Chain 2 : CH 79



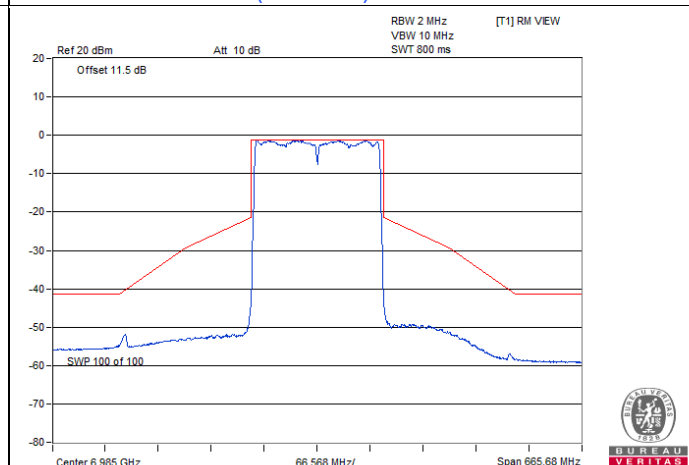
802.11be (EHT160) / Chain 2 : CH 111



802.11be (EHT160) / Chain 2 : CH 143

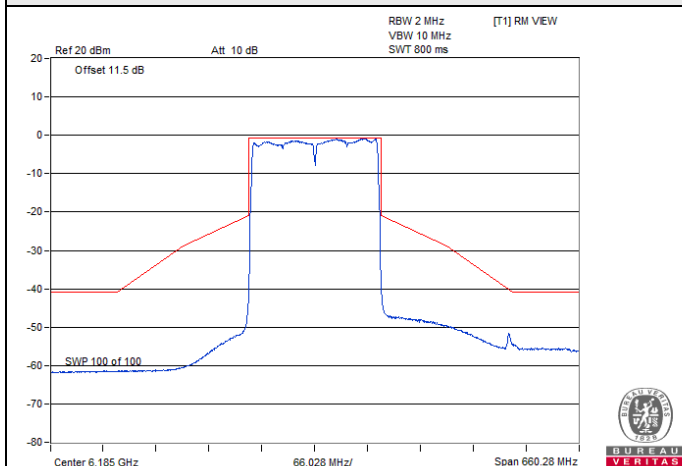


802.11be (EHT160) / Chain 2 : CH 175

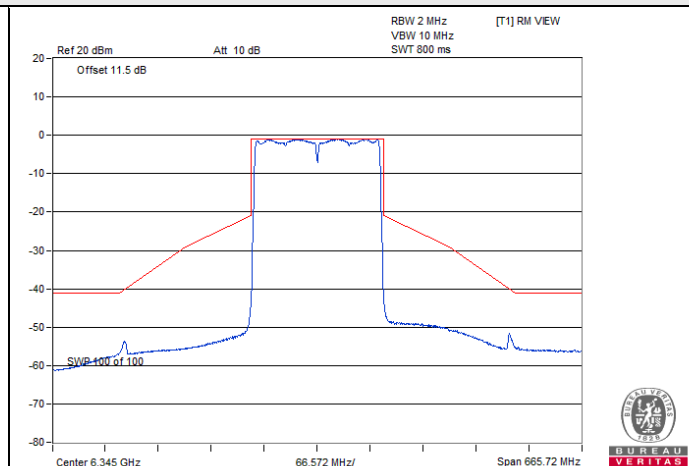


802.11be (EHT160) / Chain 2 : CH 207

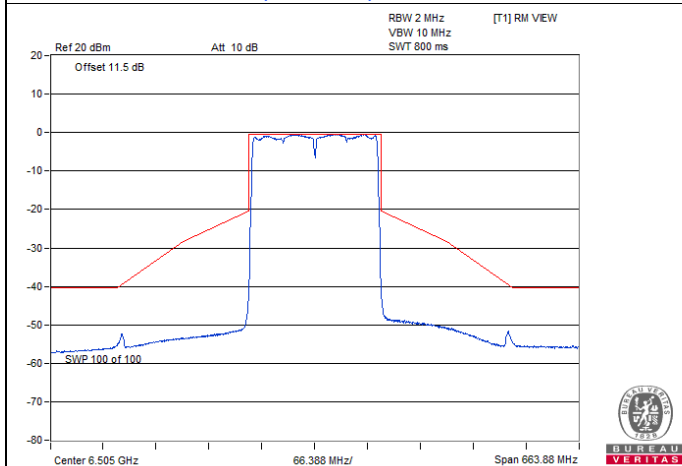
Spectrum Plot



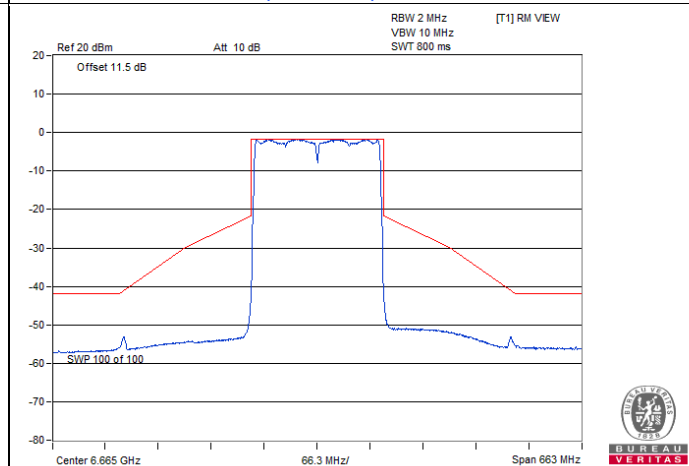
802.11be (EHT160) / Chain 3 : CH 47



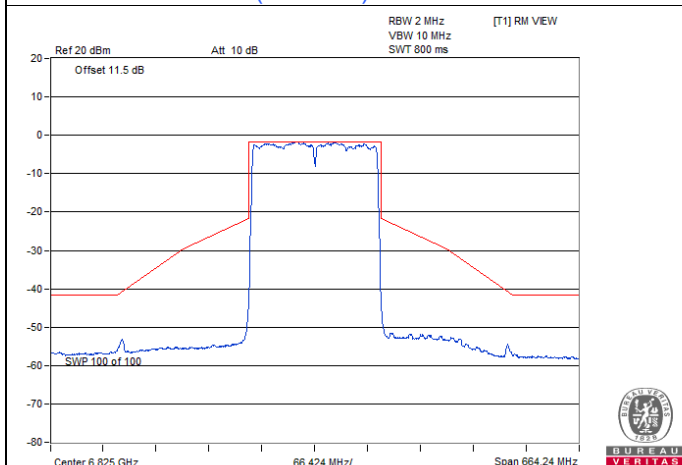
802.11be (EHT160) / Chain 3 : CH 79



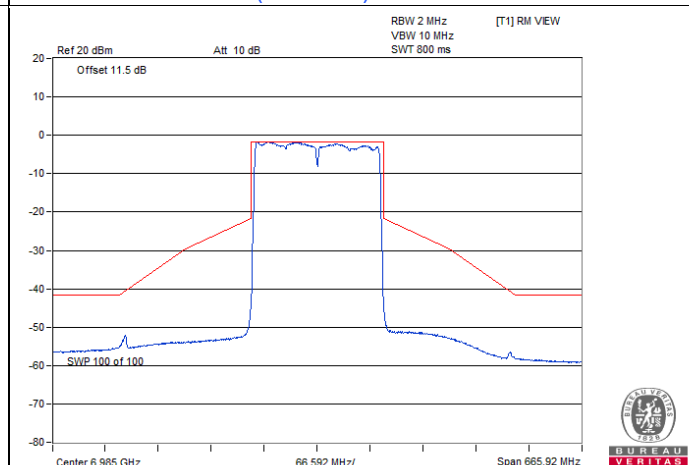
802.11be (EHT160) / Chain 3 : CH 111



802.11be (EHT160) / Chain 3 : CH 143



802.11be (EHT160) / Chain 3 : CH 175

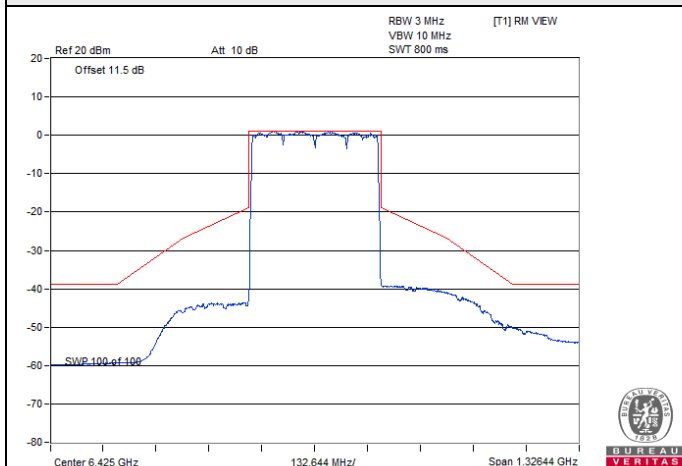


802.11be (EHT160) / Chain 3 : CH 207

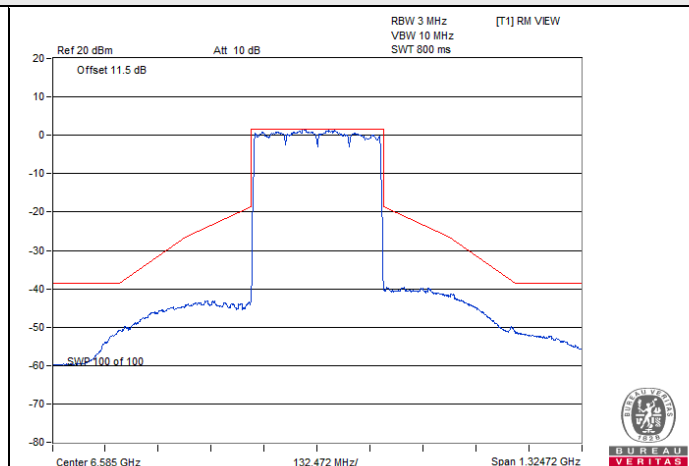
802.11be (EHT320) Beamforming



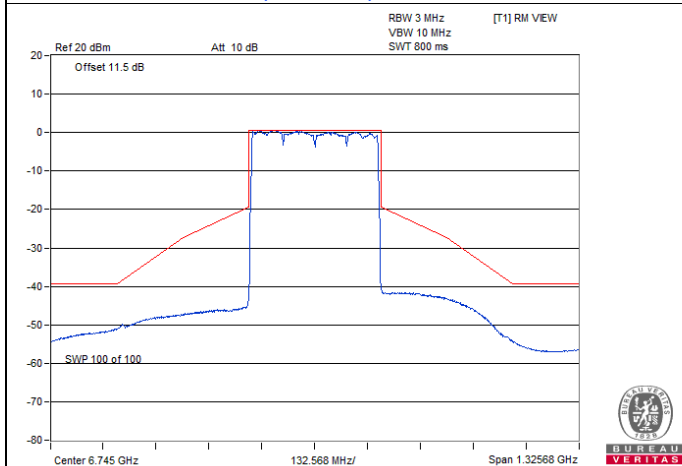
Spectrum Plot



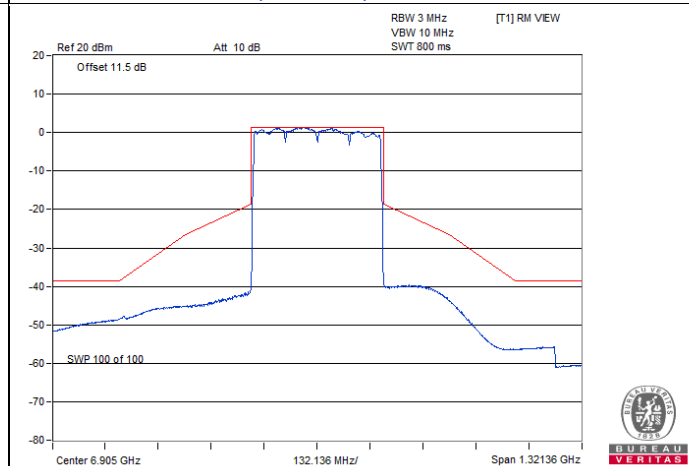
802.11be (EHT320) / Chain 1 : CH 95



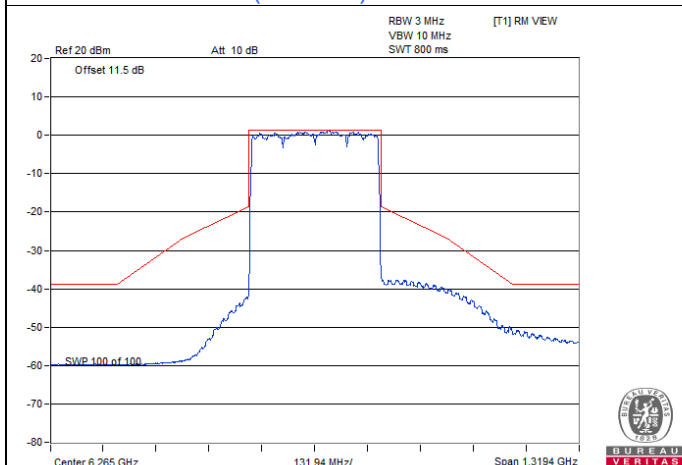
802.11be (EHT320) / Chain 1 : CH 127



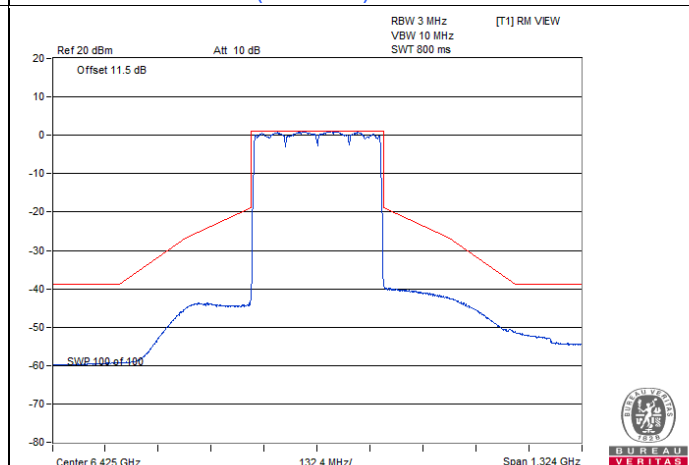
802.11be (EHT320) / Chain 1 : CH 159



802.11be (EHT320) / Chain 1 : CH 191

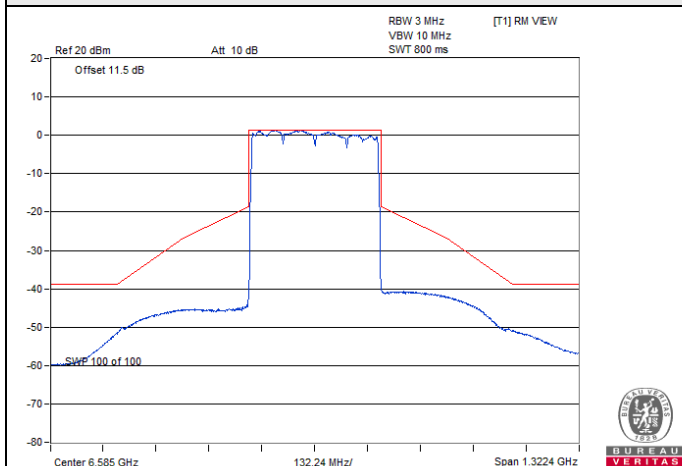


802.11be (EHT320) / Chain 2 : CH 63

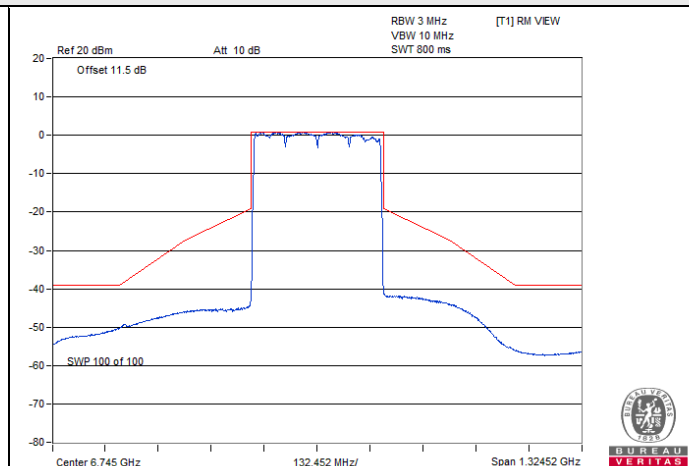


802.11be (EHT320) / Chain 2 : CH 95

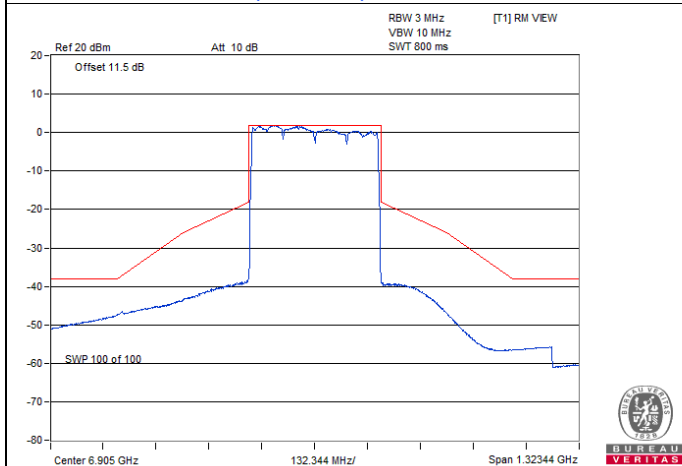
Spectrum Plot



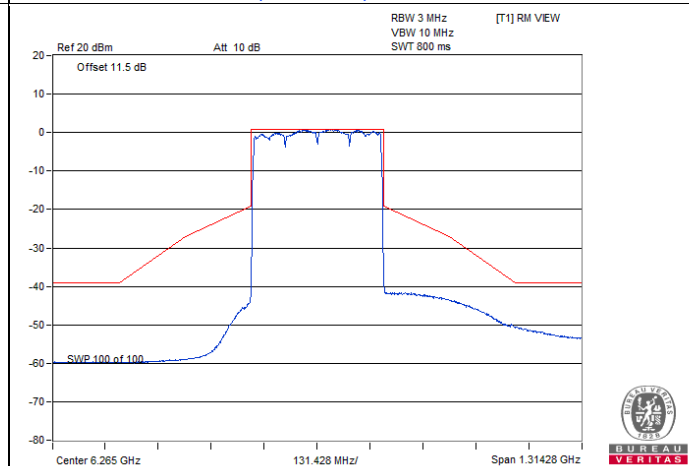
802.11be (EHT320) / Chain 2 : CH 127



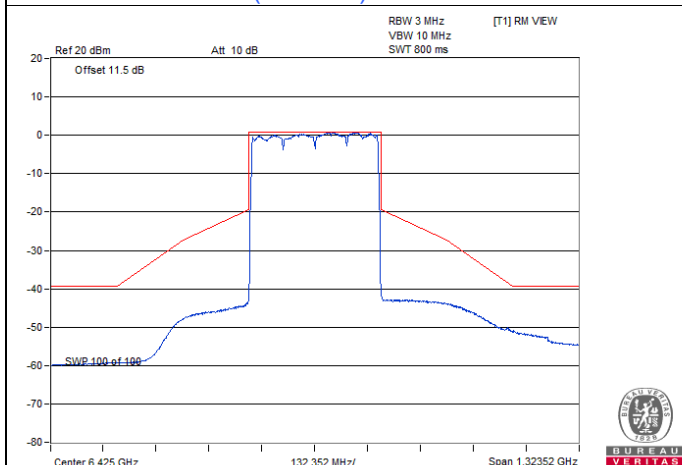
802.11be (EHT320) / Chain 2 : CH 159



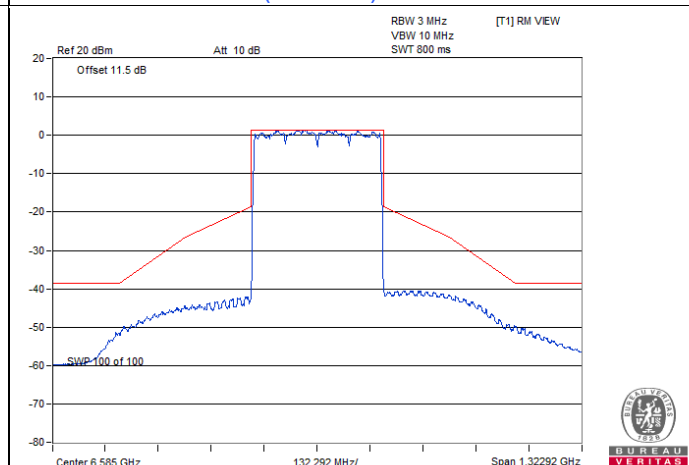
802.11be (EHT320) / Chain 2 : CH 191



802.11be (EHT320) / Chain 3 : CH 63

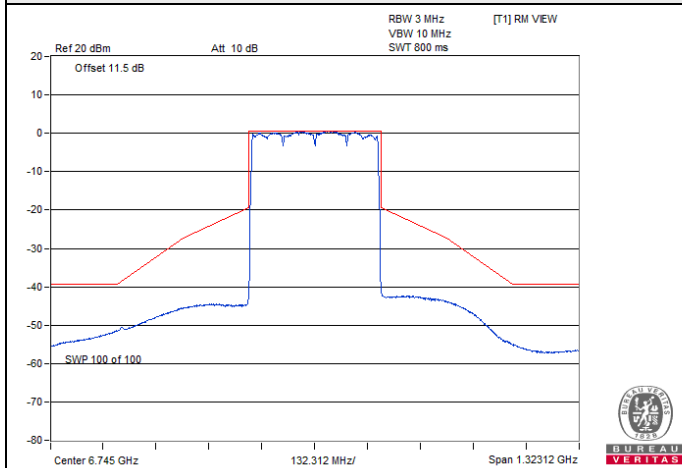


802.11be (EHT320) / Chain 3 : CH 95

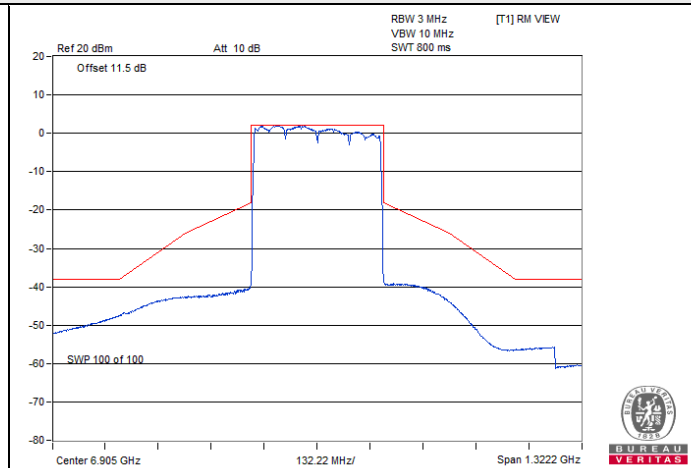


802.11be (EHT320) / Chain 3 : CH 127

Spectrum Plot



802.11be (EHT320) / Chain 3 : CH 159

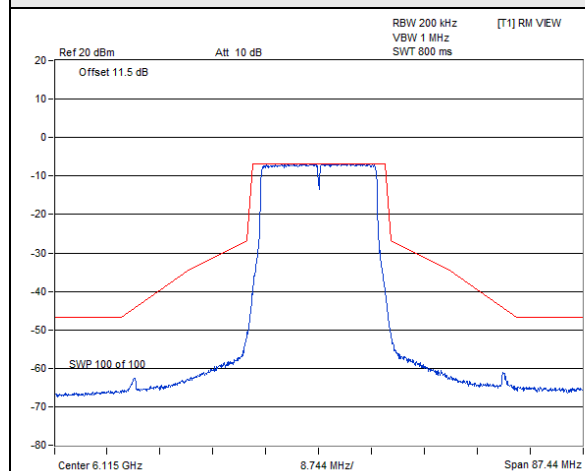


802.11be (EHT320) / Chain 3 : CH 191

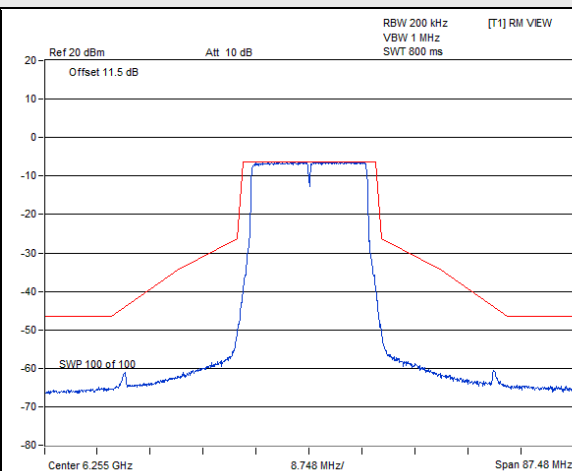
Beamforming (4T4S)

802.11be (EHT20) Beamforming

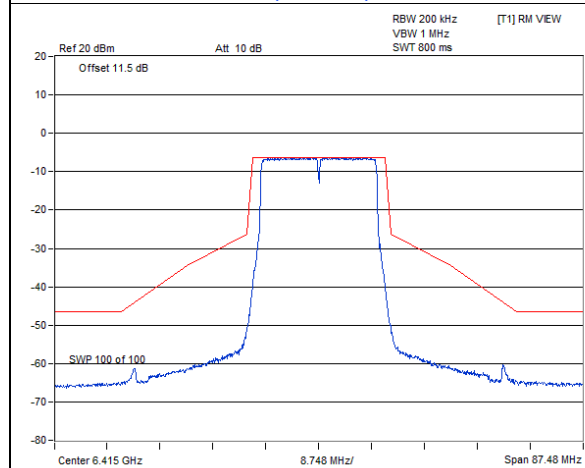
Spectrum Plot



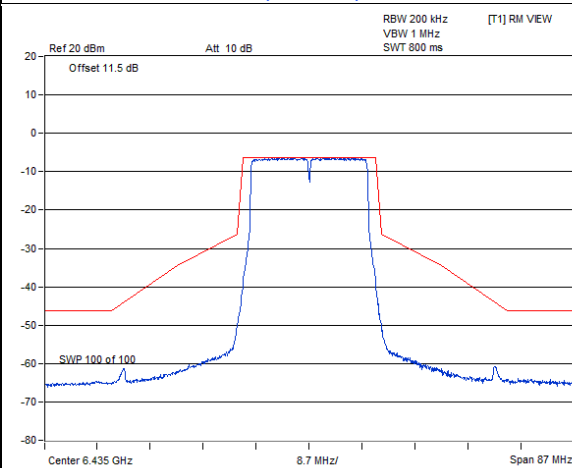
802.11be (EHT20) / Chain 0 : CH 33



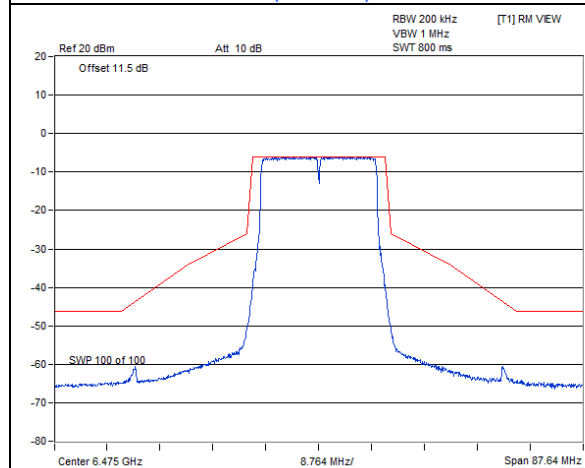
802.11be (EHT20) / Chain 0 : CH 61



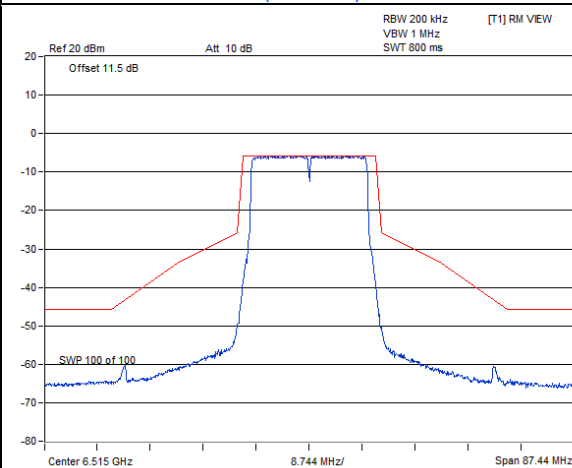
802.11be (EHT20) / Chain 0 : CH 93



802.11be (EHT20) / Chain 0 : CH 97



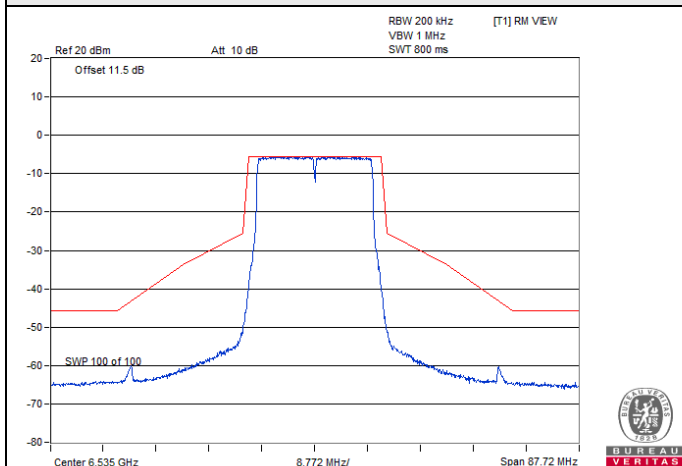
802.11be (EHT20) / Chain 0 : CH 105



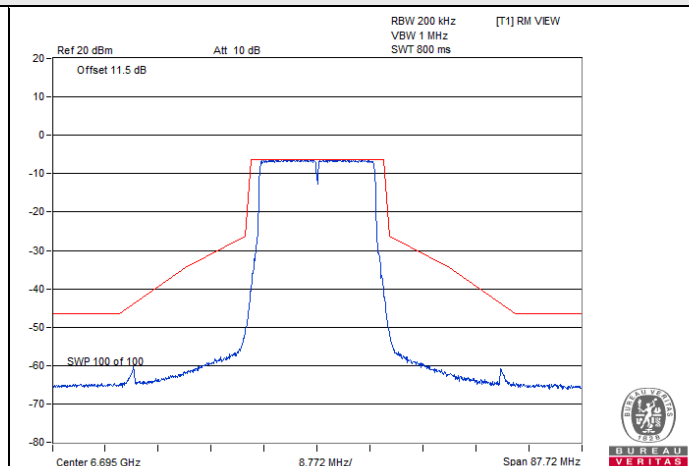
802.11be (EHT20) / Chain 0 : CH 113



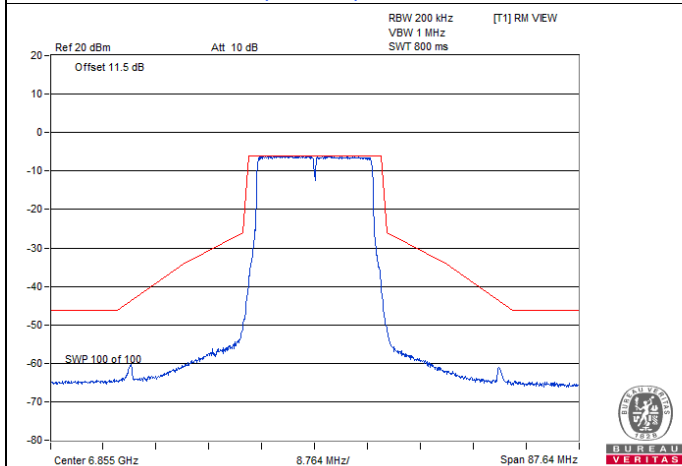
Spectrum Plot



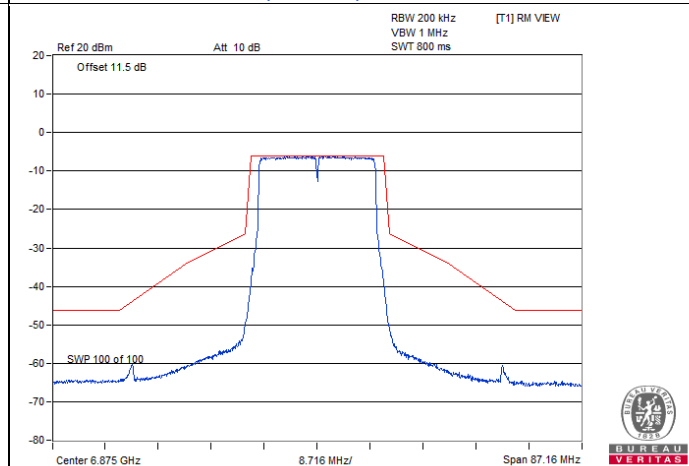
802.11be (EHT20) / Chain 0 : CH 117



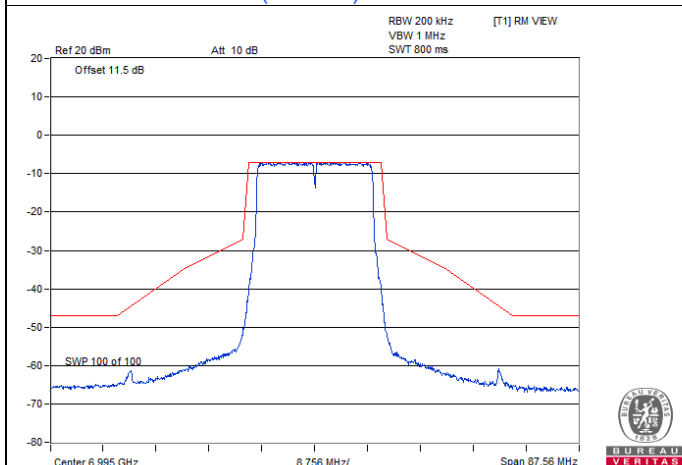
802.11be (EHT20) / Chain 0 : CH 149



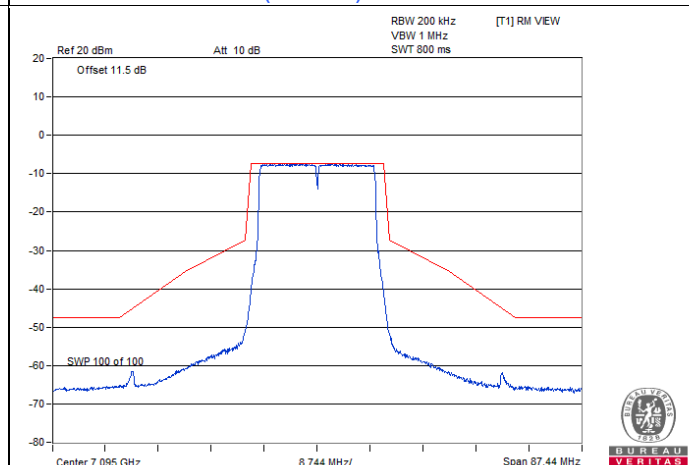
802.11be (EHT20) / Chain 0 : CH 181



802.11be (EHT20) / Chain 0 : CH 185

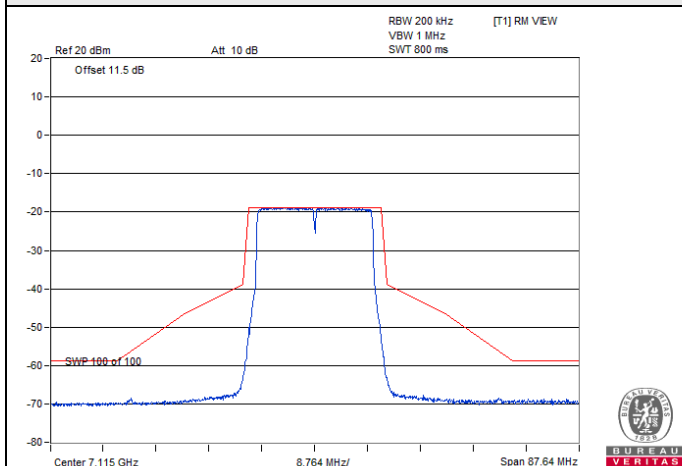


802.11be (EHT20) / Chain 0 : CH 209

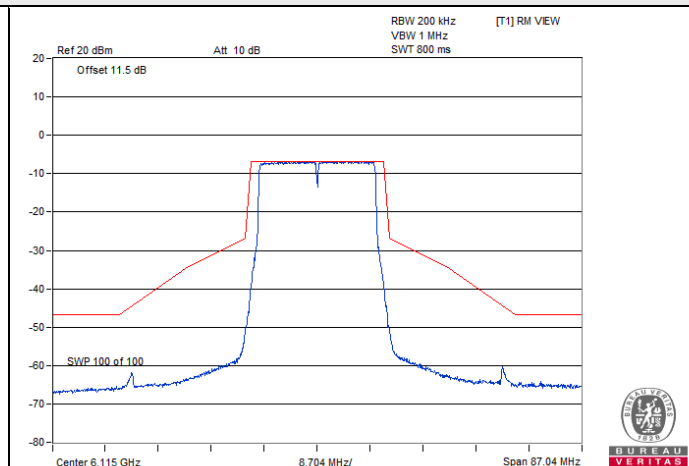


802.11be (EHT20) / Chain 0 : CH 229

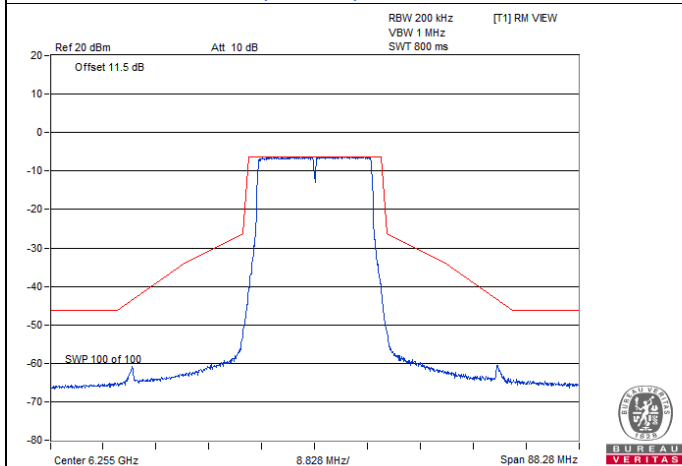
Spectrum Plot



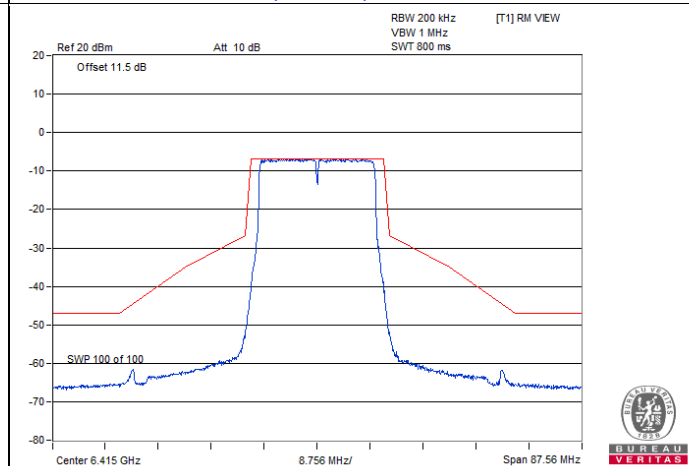
802.11be (EHT20) / Chain 0 : CH 233



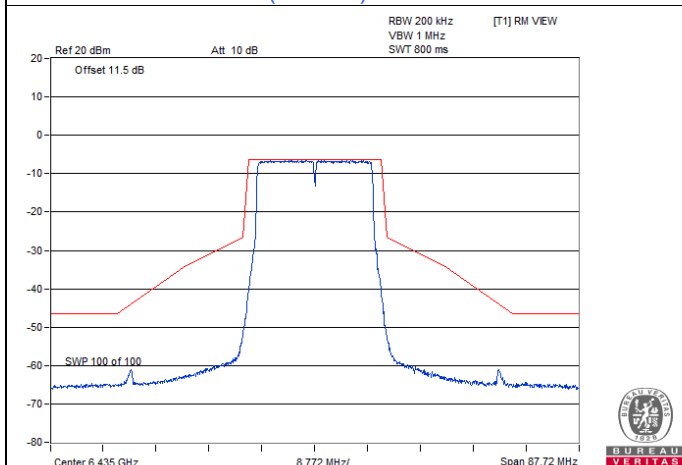
802.11be (EHT20) / Chain 1 : CH 33



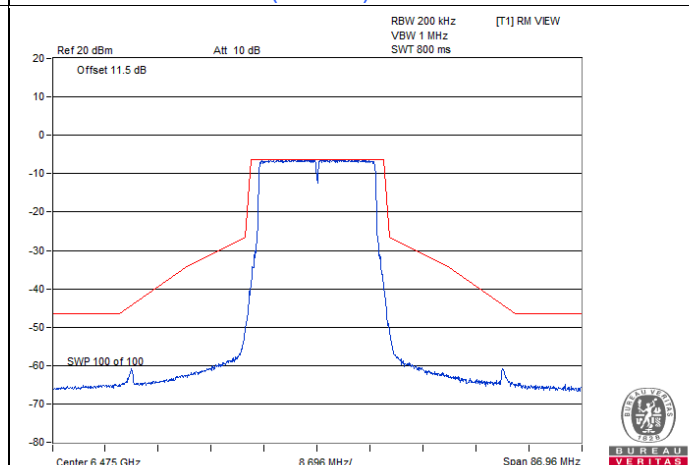
802.11be (EHT20) / Chain 1 : CH 61



802.11be (EHT20) / Chain 1 : CH 93

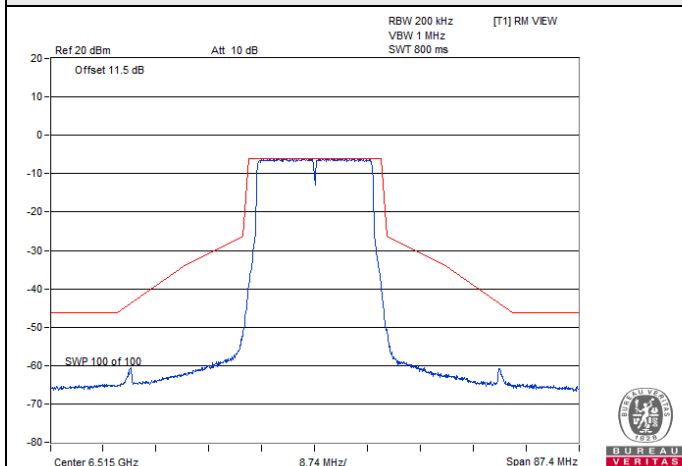


802.11be (EHT20) / Chain 1 : CH 97

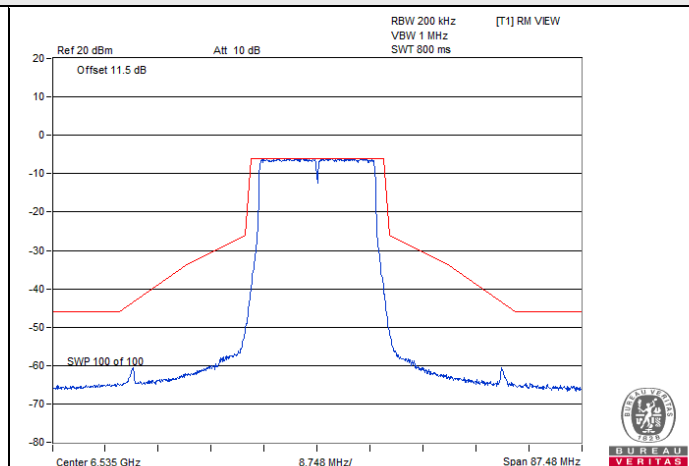


802.11be (EHT20) / Chain 1 : CH 105

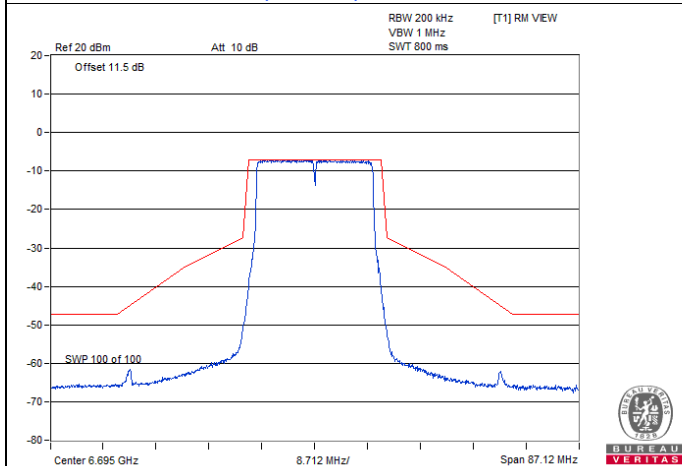
Spectrum Plot



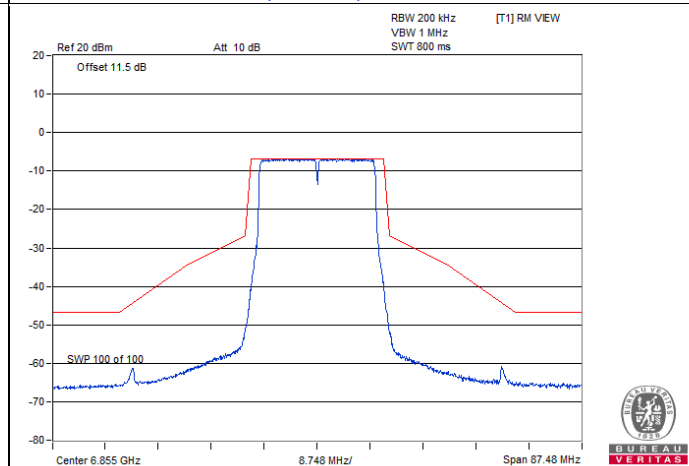
802.11be (EHT20) / Chain 1 : CH 113



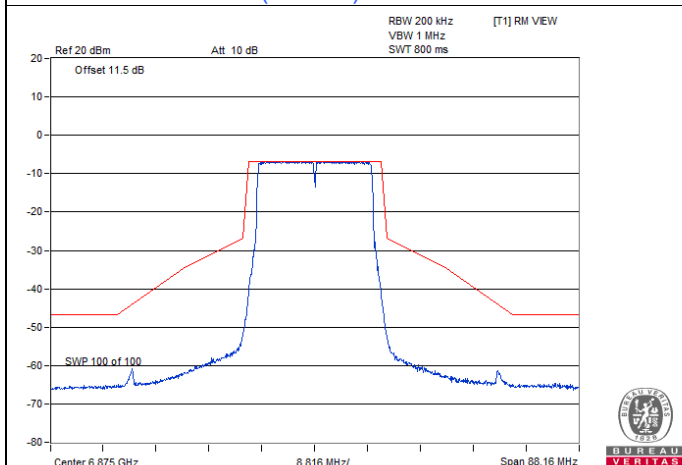
802.11be (EHT20) / Chain 1 : CH 117



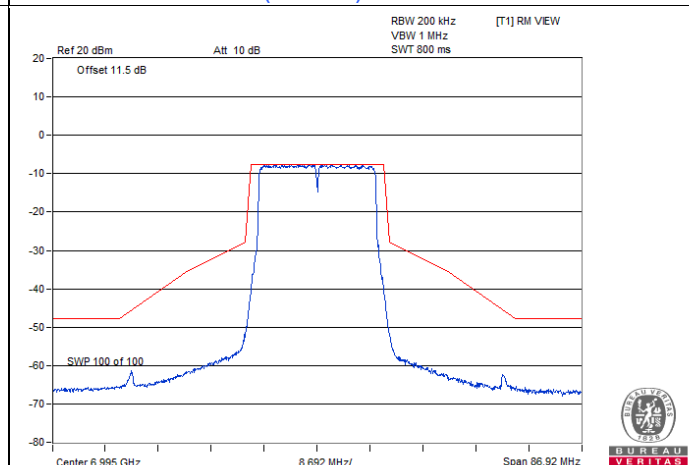
802.11be (EHT20) / Chain 1 : CH 149



802.11be (EHT20) / Chain 1 : CH 181

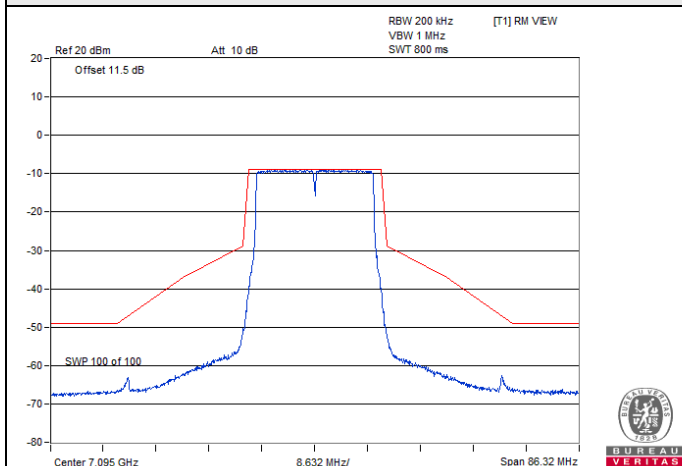


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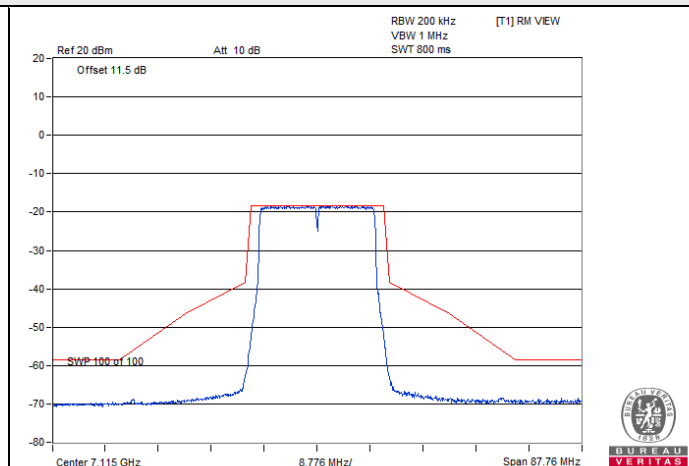


802.11be (EHT20) / Chain 1 : CH 209

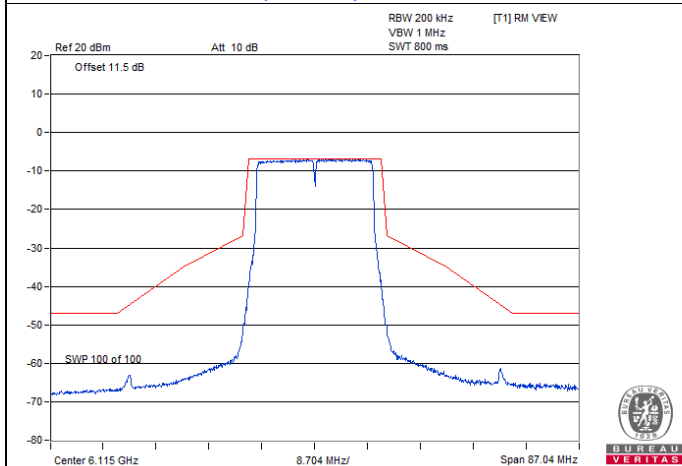
Spectrum Plot



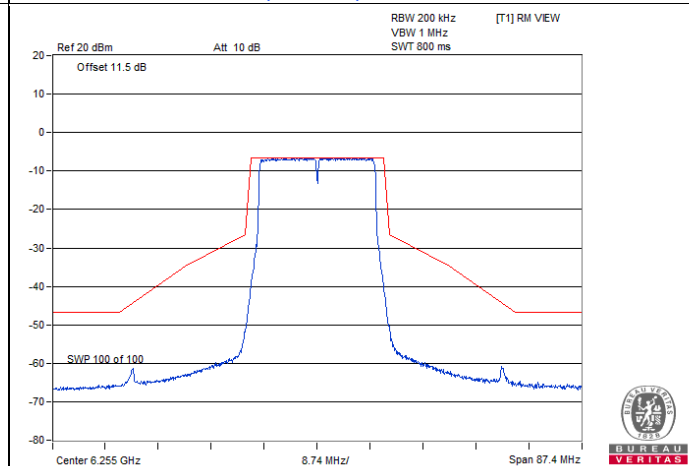
802.11be (EHT20) / Chain 1 : CH 229



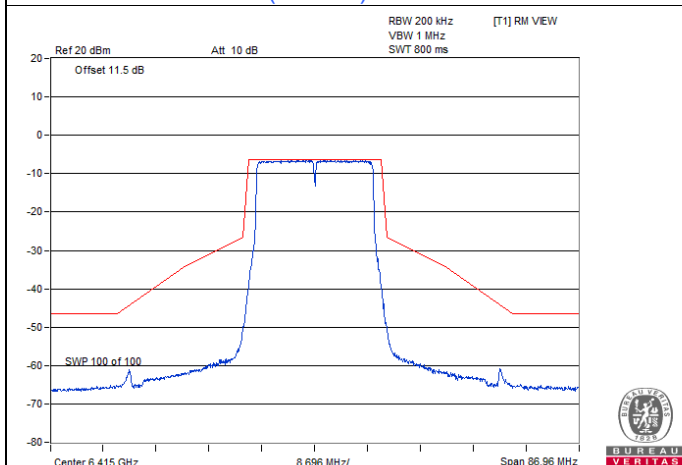
802.11be (EHT20) / Chain 1 : CH 233



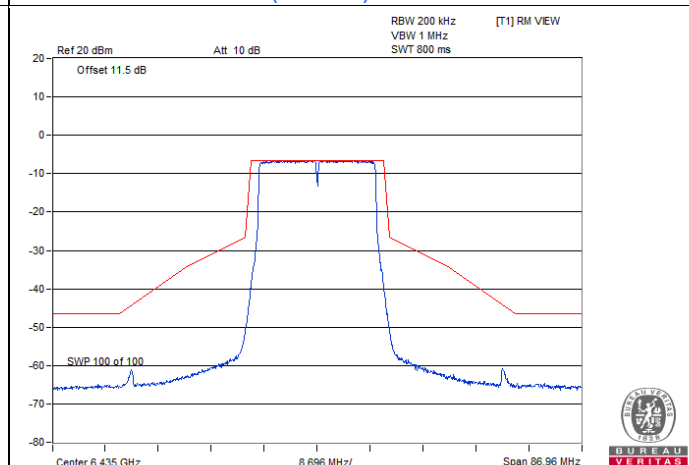
802.11be (EHT20) / Chain 2 : CH 33



802.11be (EHT20) / Chain 2 : CH 61

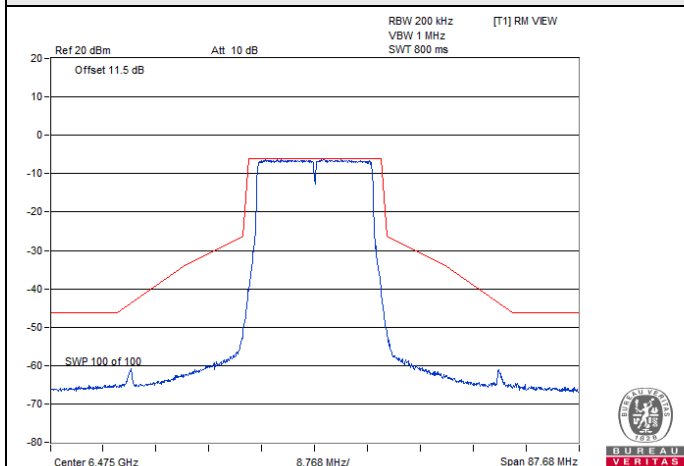


802.11be (EHT20) / Chain 2 : CH 93

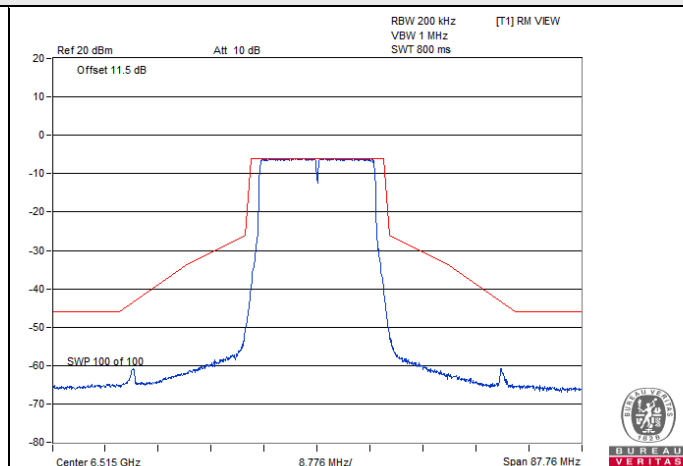


802.11be (EHT20) / Chain 2 : CH 97

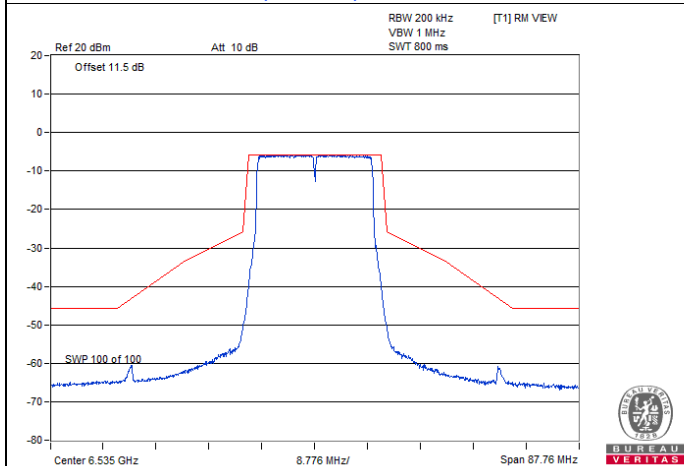
Spectrum Plot



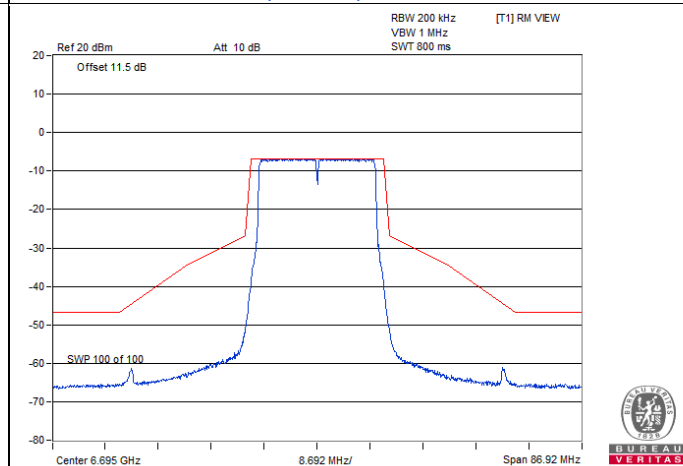
802.11be (EHT20) / Chain 2 : CH 105



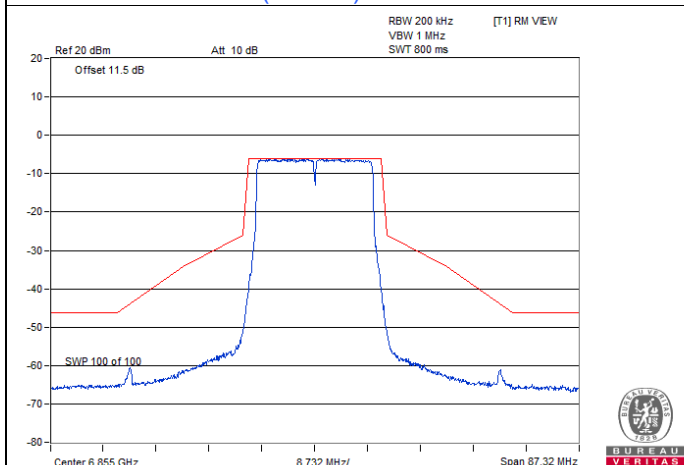
802.11be (EHT20) / Chain 2 : CH 113



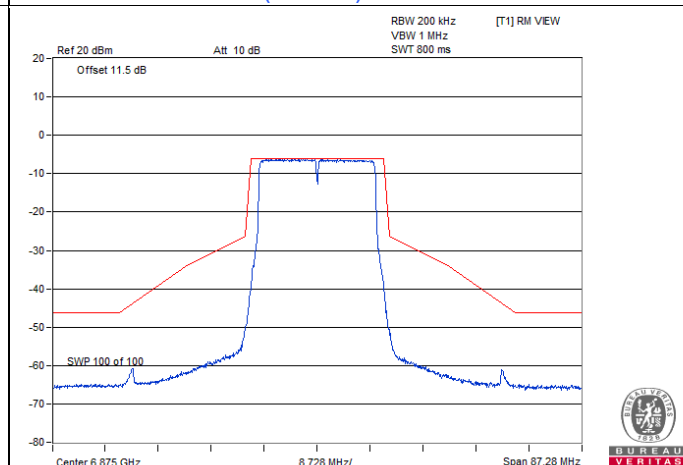
802.11be (EHT20) / Chain 2 : CH 117



802.11be (EHT20) / Chain 2 : CH 149

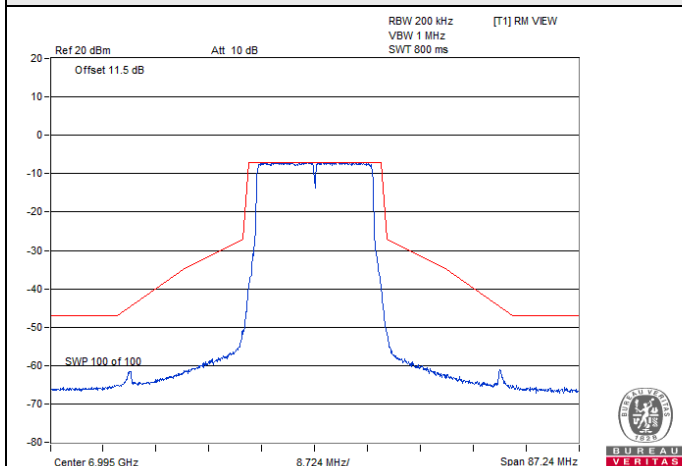


802.11be (EHT20) / Chain 2 : CH 181

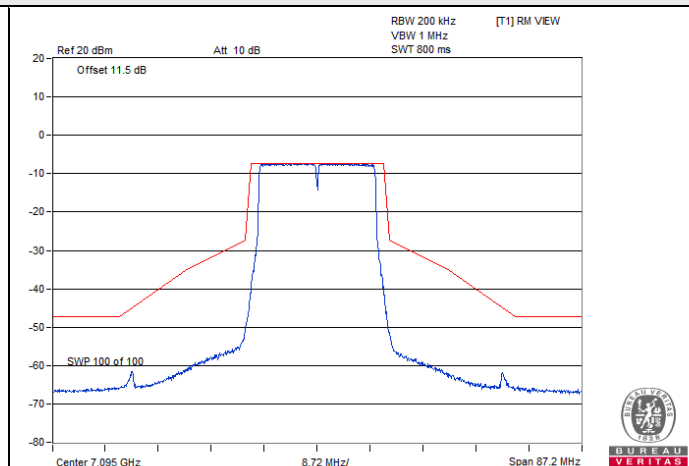


802.11be (EHT20) / Chain 2 : CH 185

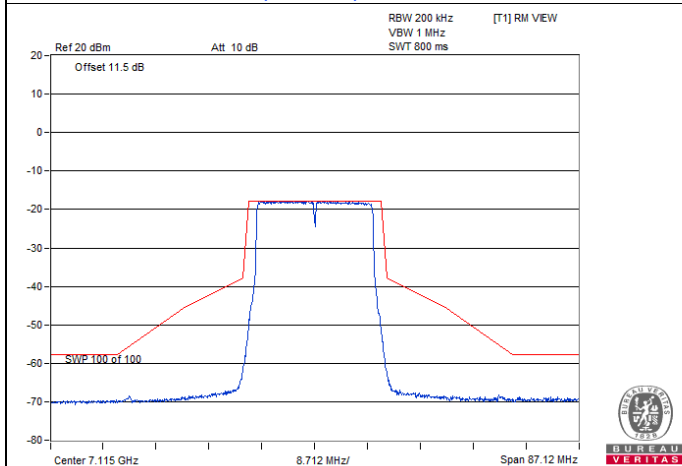
Spectrum Plot



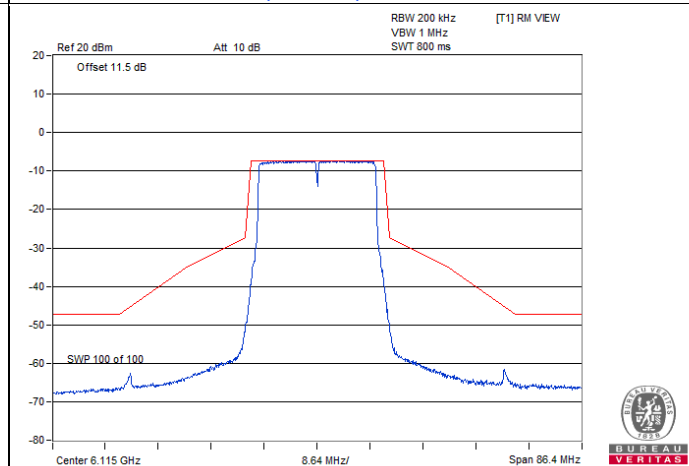
802.11be (EHT20) / Chain 2 : CH 209



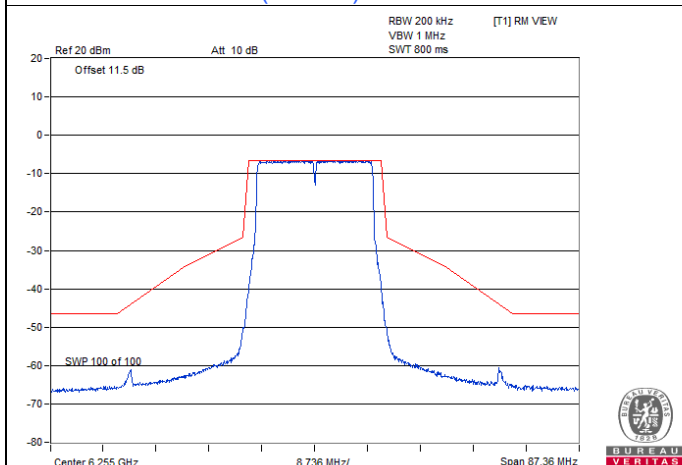
802.11be (EHT20) / Chain 2 : CH 229



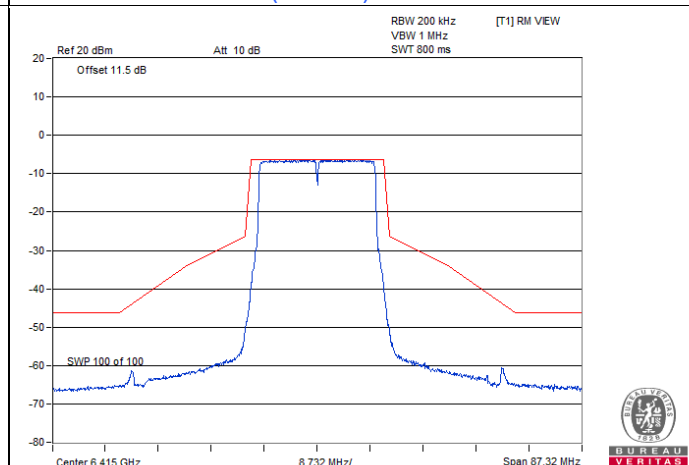
802.11be (EHT20) / Chain 2 : CH 233



802.11be (EHT20) / Chain 3 : CH 33

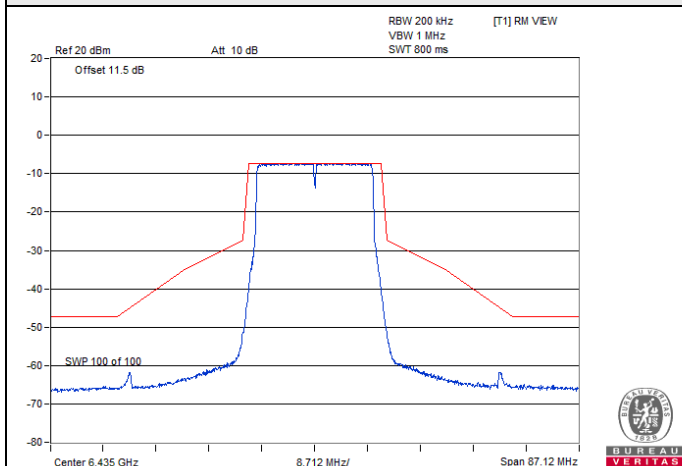


802.11be (EHT20) / Chain 3 : CH 61

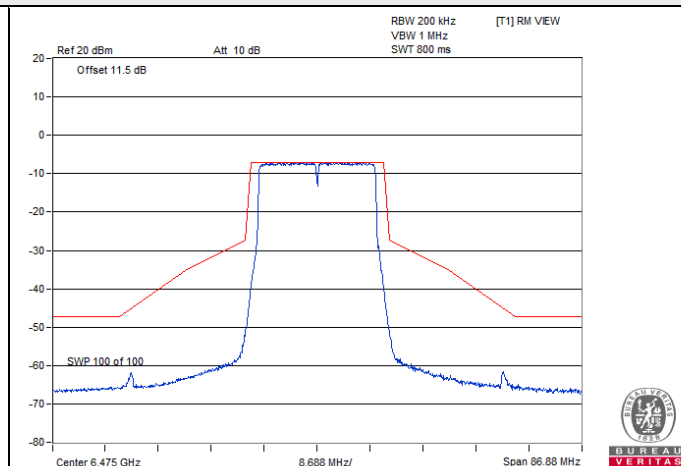


802.11be (EHT20) / Chain 3 : CH 93

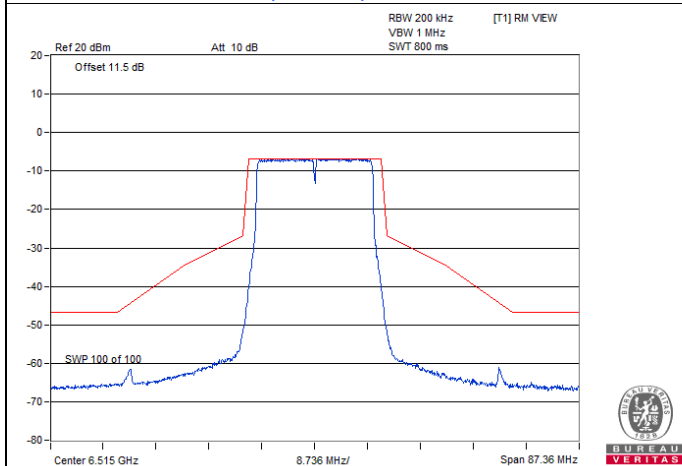
Spectrum Plot



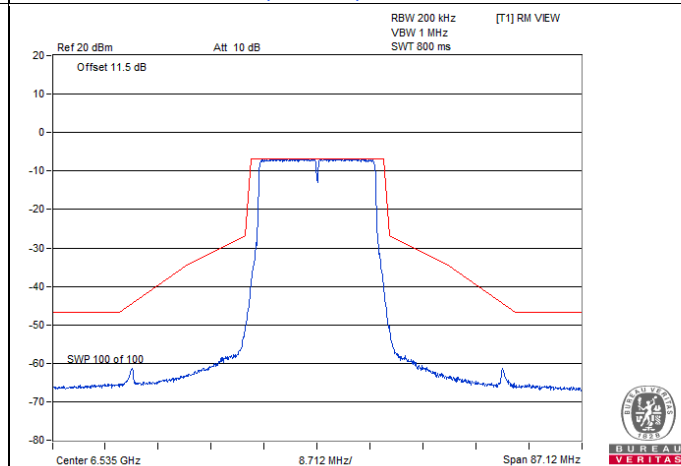
802.11be (EHT20) / Chain 3 : CH 97



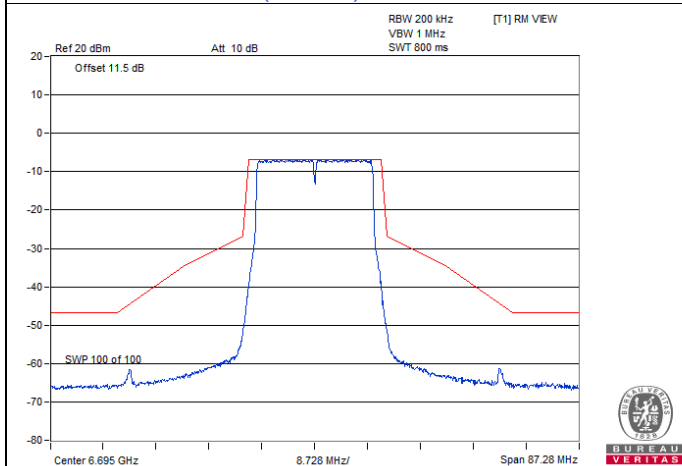
802.11be (EHT20) / Chain 3 : CH 105



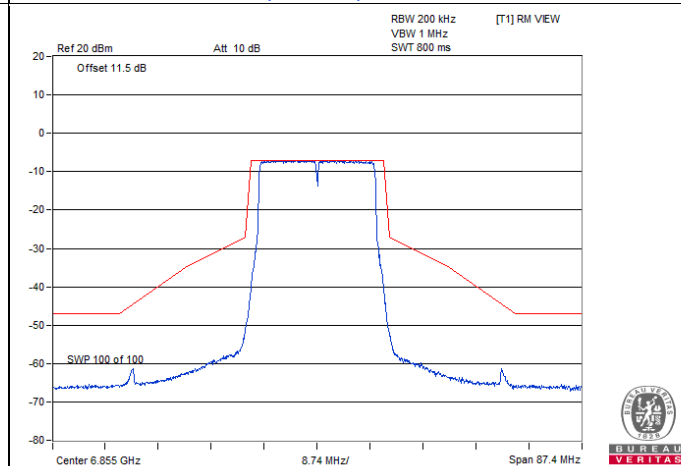
802.11be (EHT20) / Chain 3 : CH 113



802.11be (EHT20) / Chain 3 : CH 117

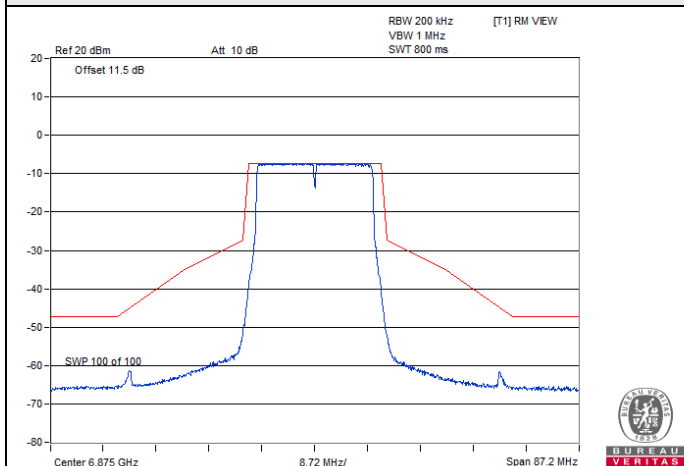


802.11be (EHT20) / Chain 3 : CH 149

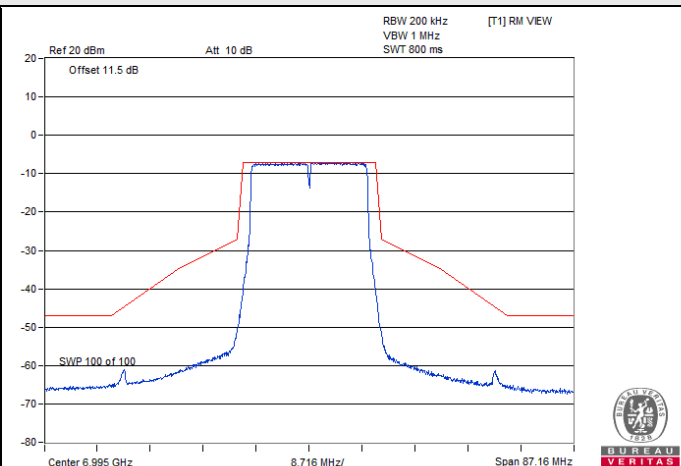


802.11be (EHT20) / Chain 3 : CH 181

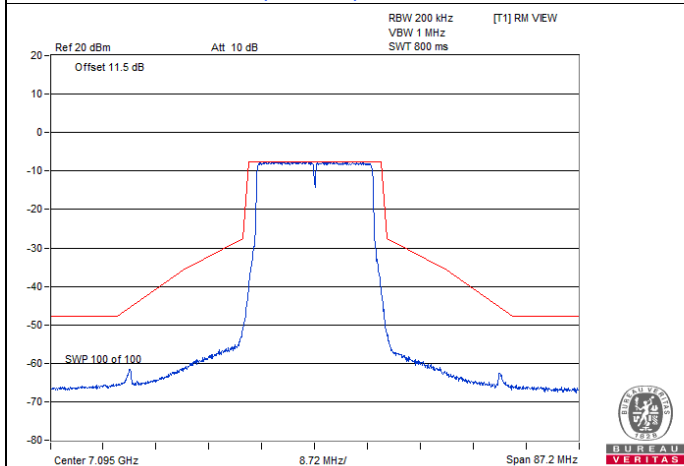
Spectrum Plot



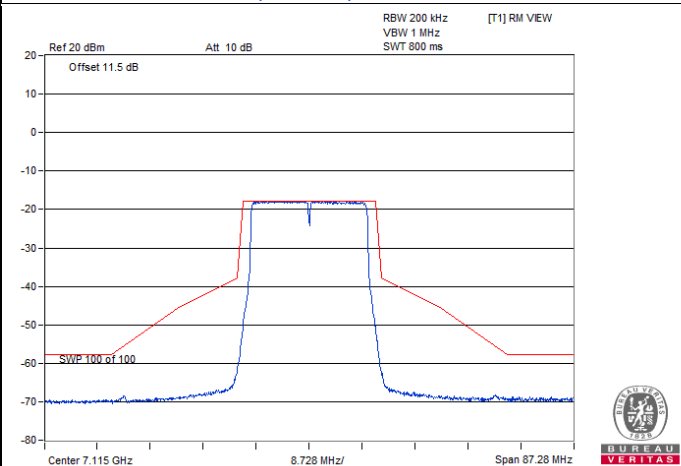
802.11be (EHT20) / Chain 3 : CH 185



802.11be (EHT20) / Chain 3 : CH 209



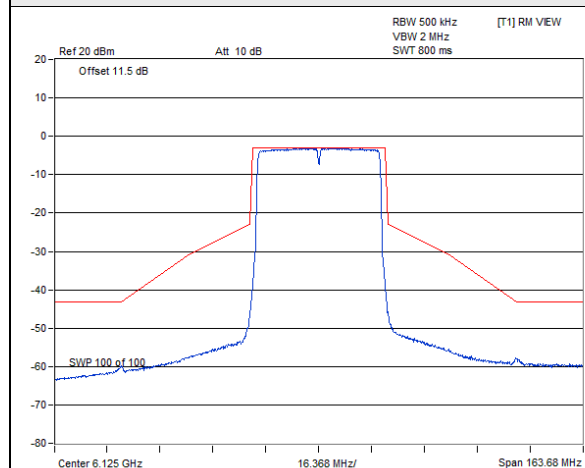
802.11be (EHT20) / Chain 3 : CH 229



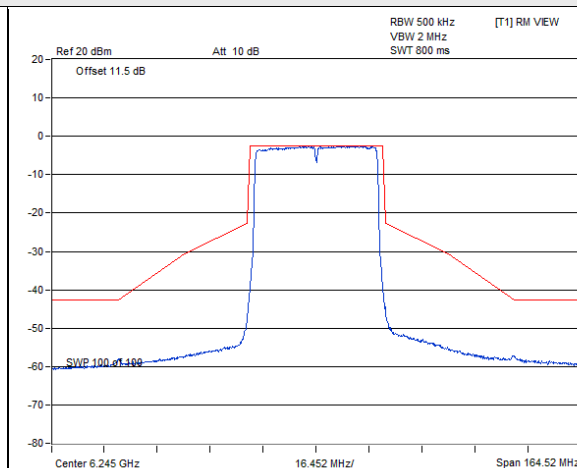
802.11be (EHT20) / Chain 3 : CH 233

802.11be (EHT40) Beamforming

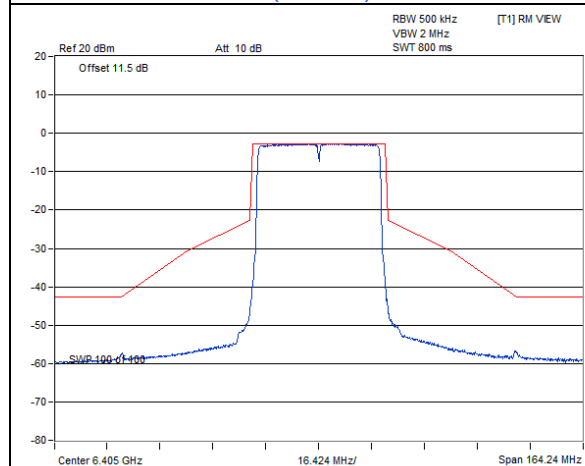
Spectrum Plot



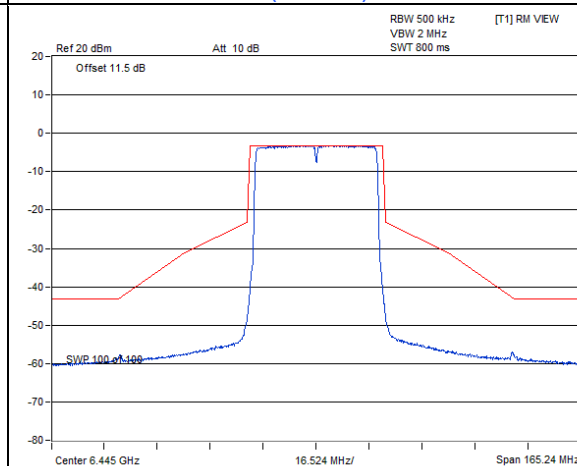
802.11be (EHT40) / Chain 0 : CH 35



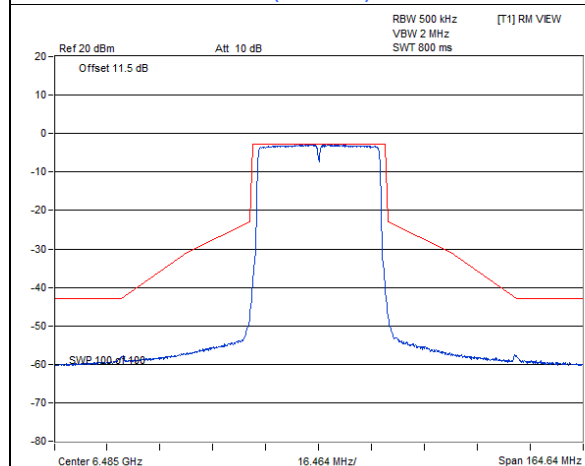
802.11be (EHT40) / Chain 0 : CH 59



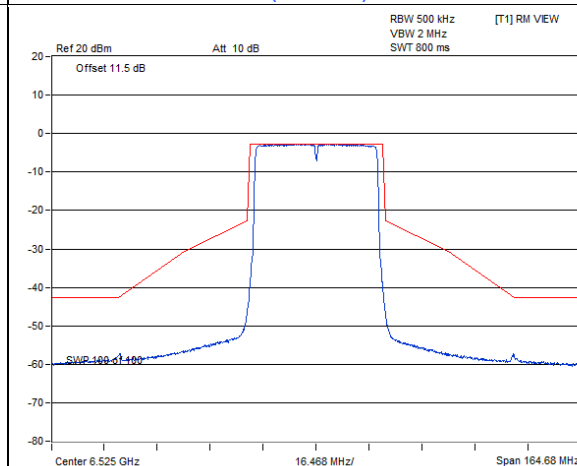
802.11be (EHT40) / Chain 0 : CH 91



802.11be (EHT40) / Chain 0 : CH 99

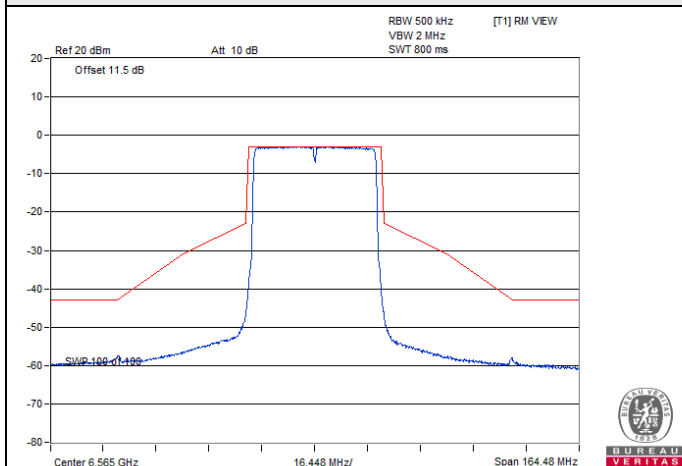


802.11be (EHT40) / Chain 0 : CH 107

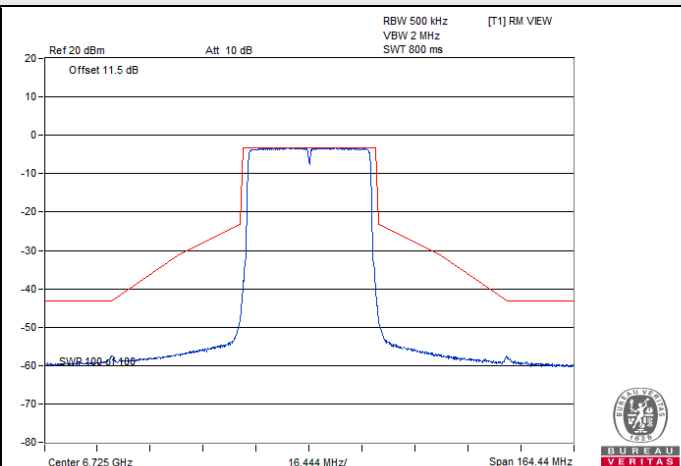


802.11be (EHT40) / Chain 0 : CH 115

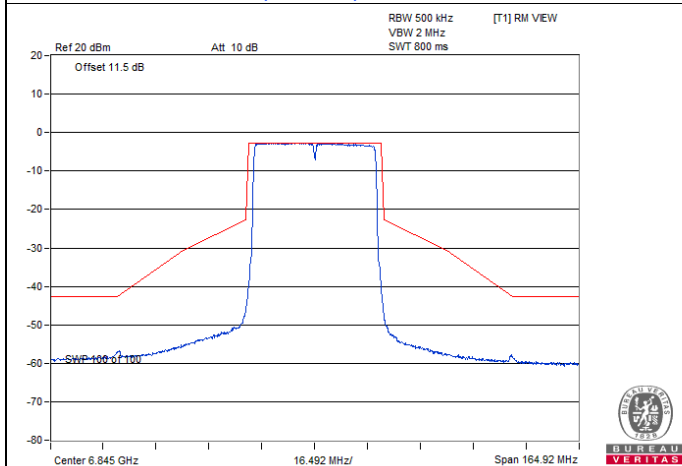
Spectrum Plot



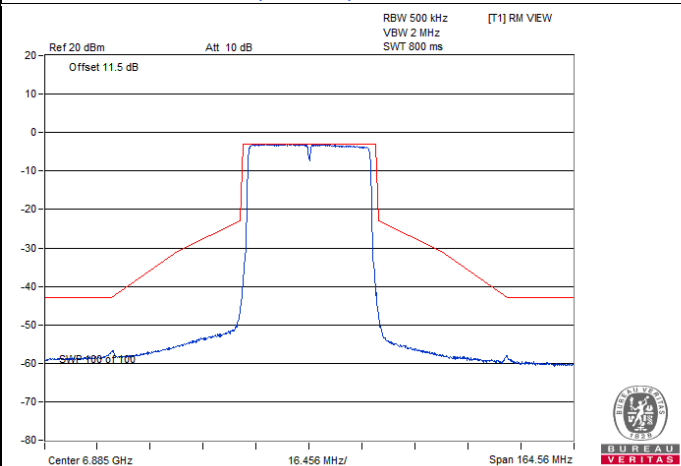
802.11be (EHT40) / Chain 0 : CH 123



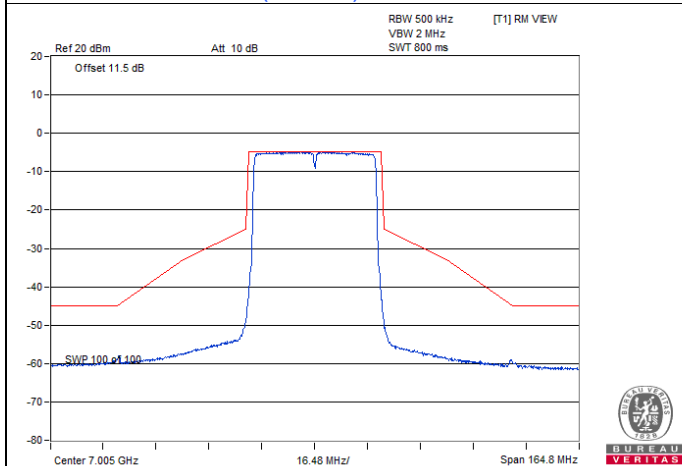
802.11be (EHT40) / Chain 0 : CH 155



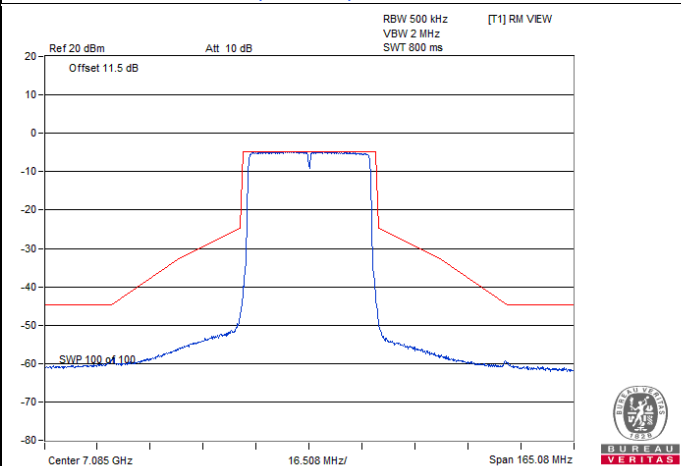
802.11be (EHT40) / Chain 0 : CH 179



802.11be (EHT40) / Chain 0 : CH 187

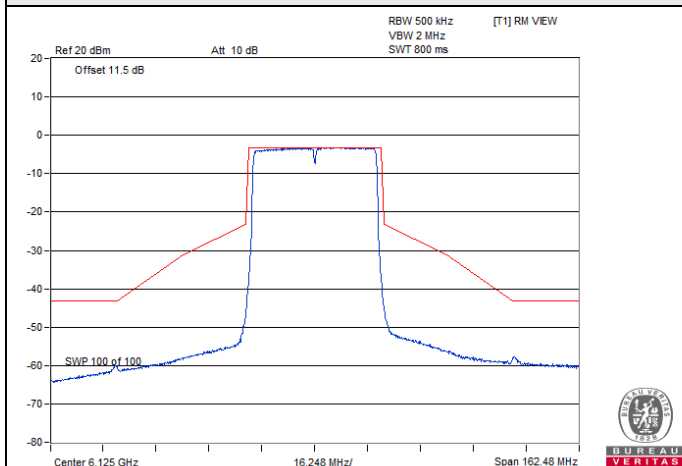


802.11be (EHT40) / Chain 0 : CH 211

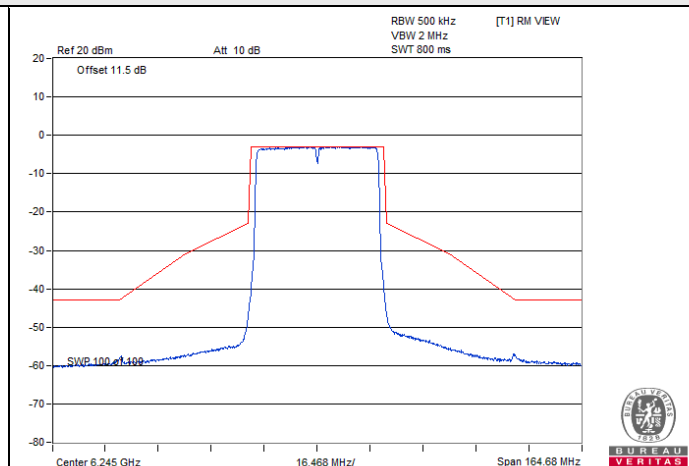


802.11be (EHT40) / Chain 0 : CH 227

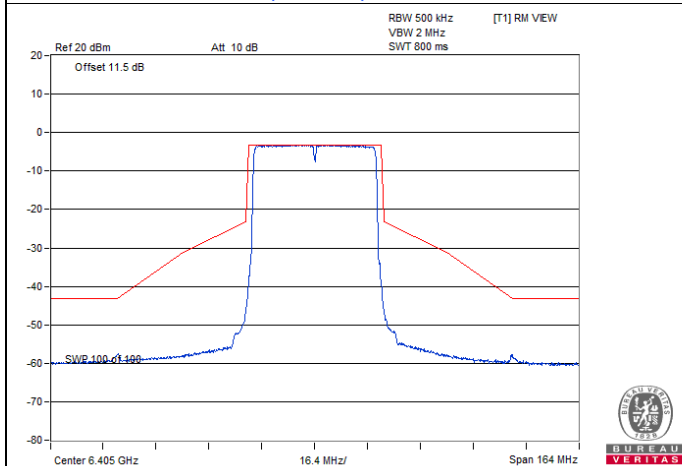
Spectrum Plot



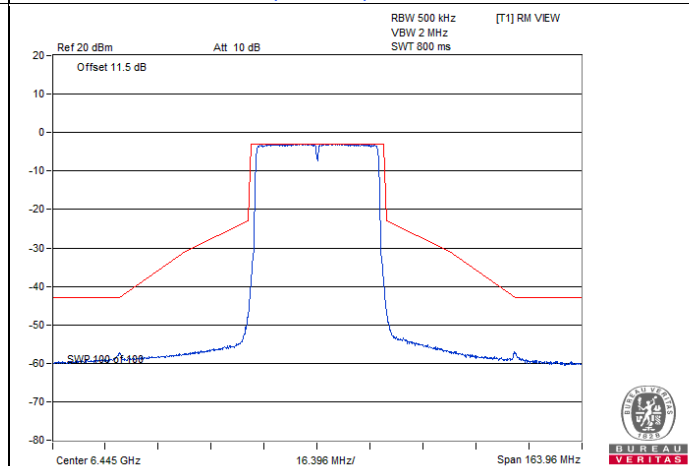
802.11be (EHT40) / Chain 1 : CH 35



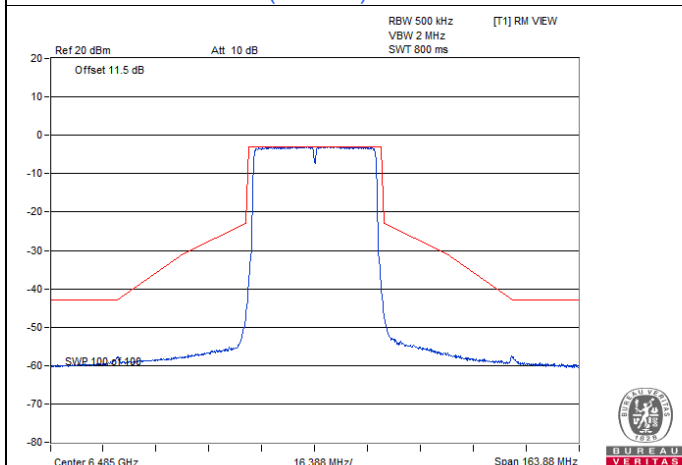
802.11be (EHT40) / Chain 1 : CH 59



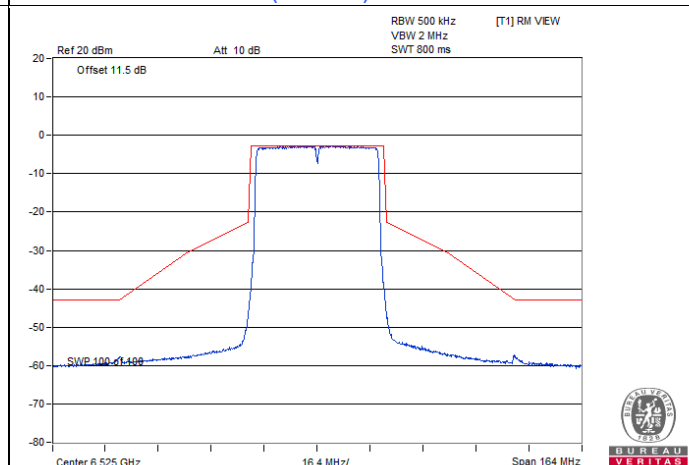
802.11be (EHT40) / Chain 1 : CH 91



802.11be (EHT40) / Chain 1 : CH 99

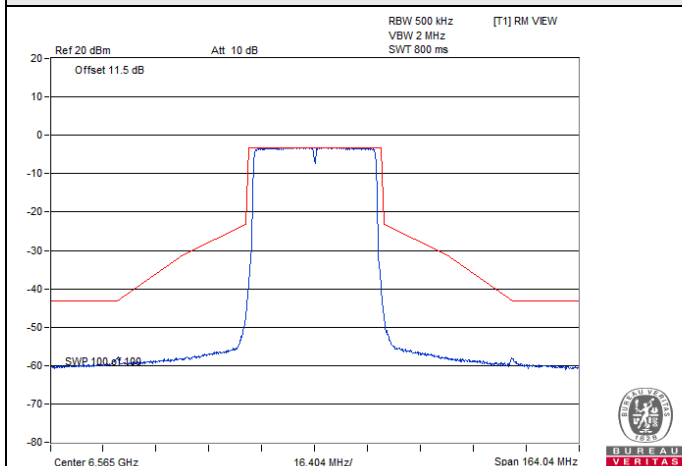


802.11be (EHT40) / Chain 1 : CH 107

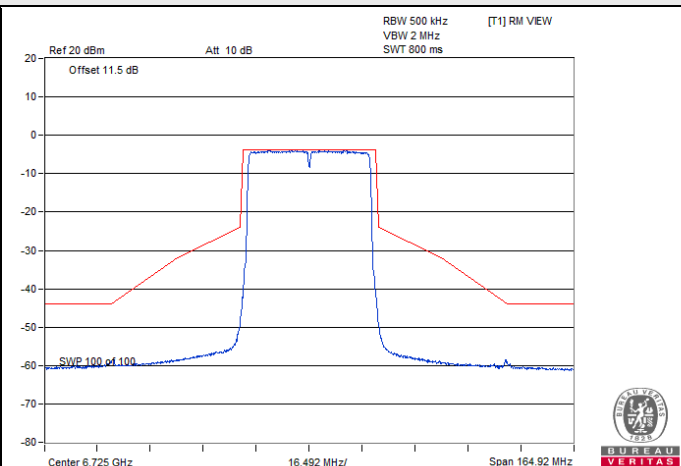


802.11be (EHT40) / Chain 1 : CH 115

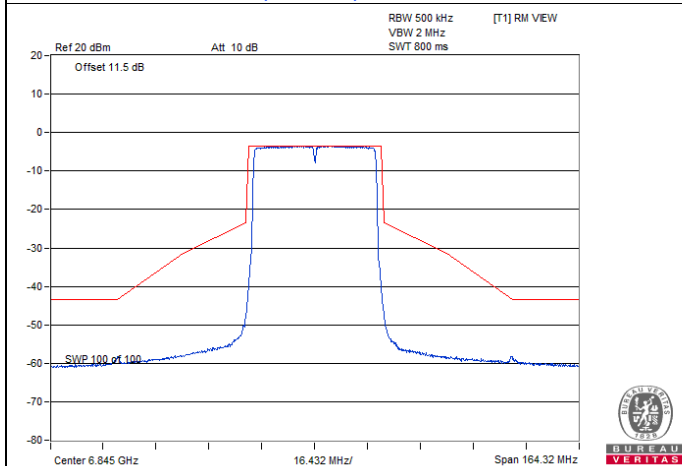
Spectrum Plot



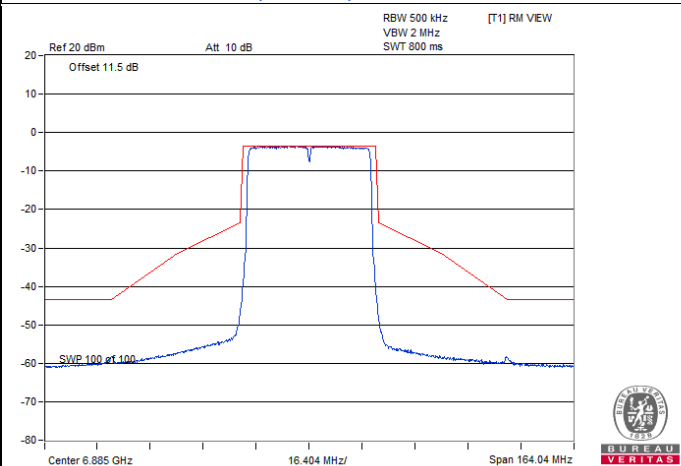
802.11be (EHT40) / Chain 1 : CH 123



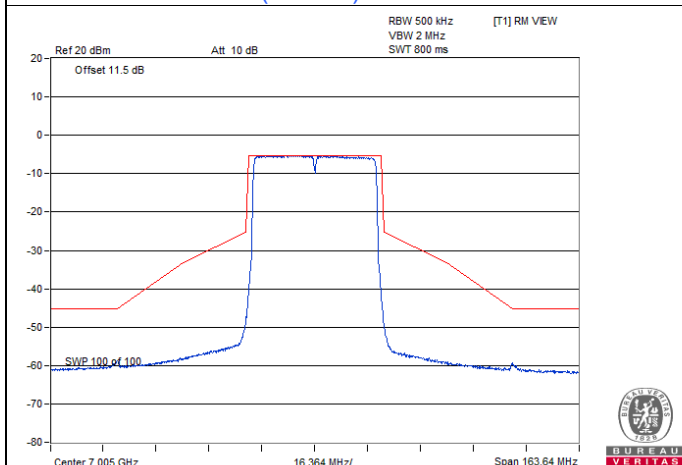
802.11be (EHT40) / Chain 1 : CH 155



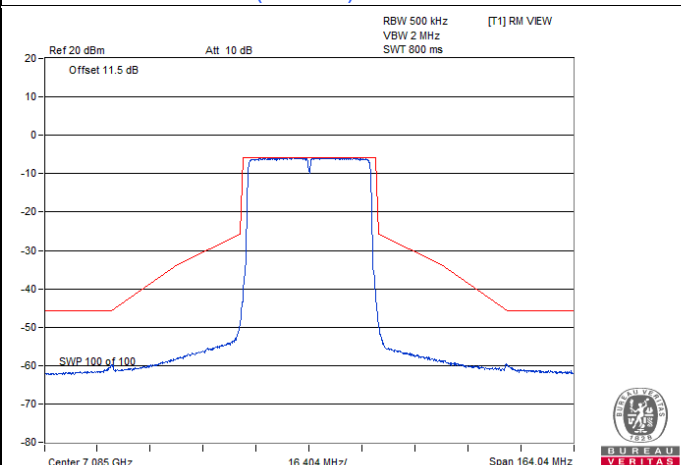
802.11be (EHT40) / Chain 1 : CH 179



802.11be (EHT40) / Chain 1 : CH 187

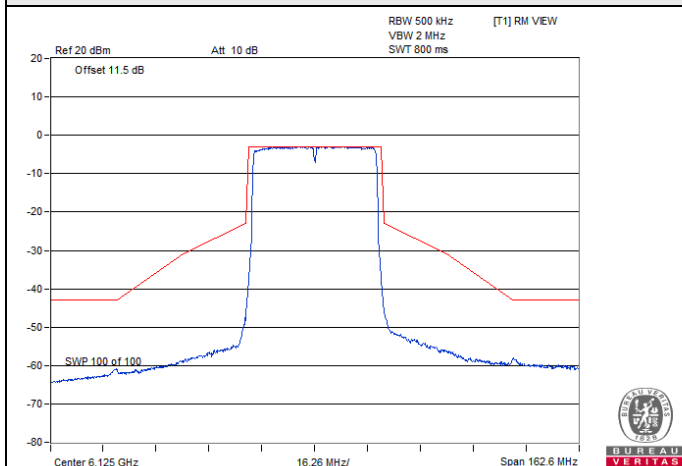


802.11be (EHT40) / Chain 1 : CH 211

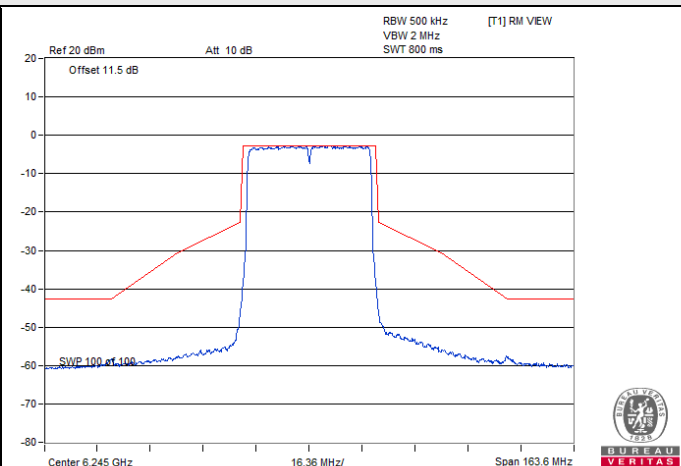


802.11be (EHT40) / Chain 1 : CH 227

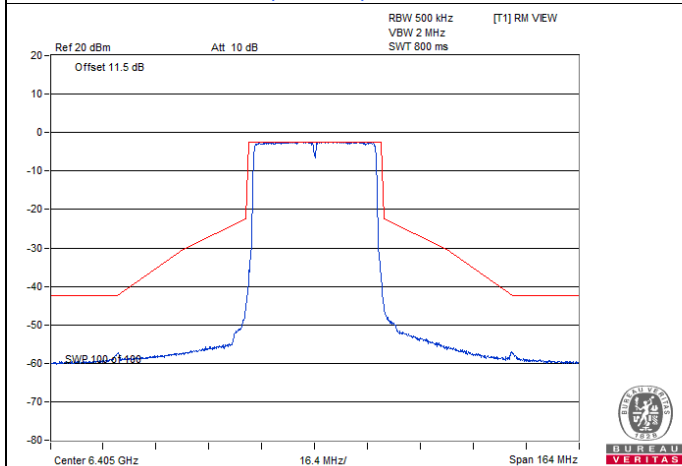
Spectrum Plot



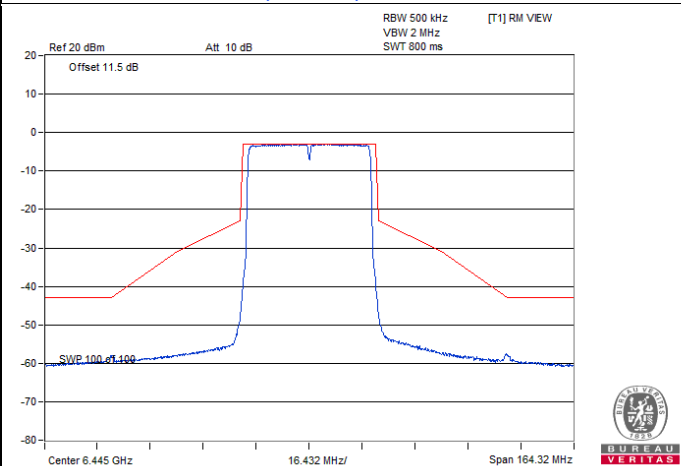
802.11be (EHT40) / Chain 2 : CH 35



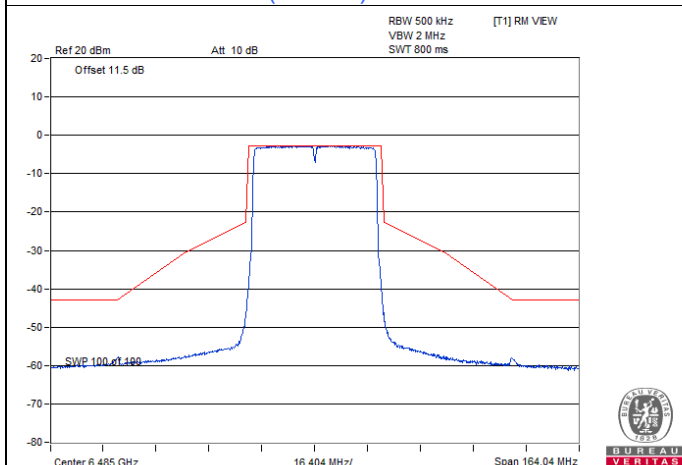
802.11be (EHT40) / Chain 2 : CH 59



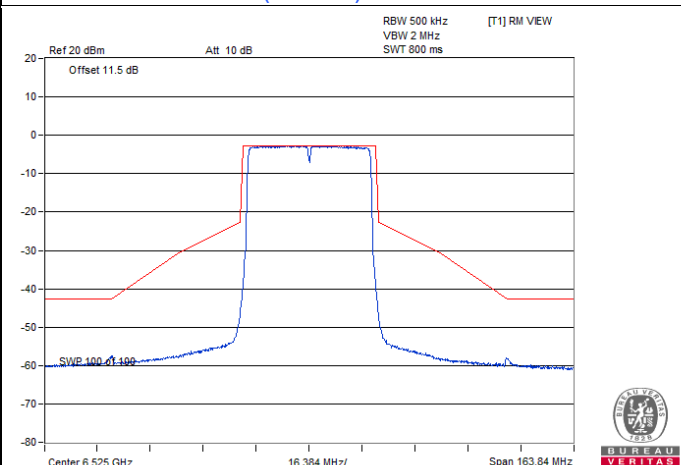
802.11be (EHT40) / Chain 2 : CH 91



802.11be (EHT40) / Chain 2 : CH 99

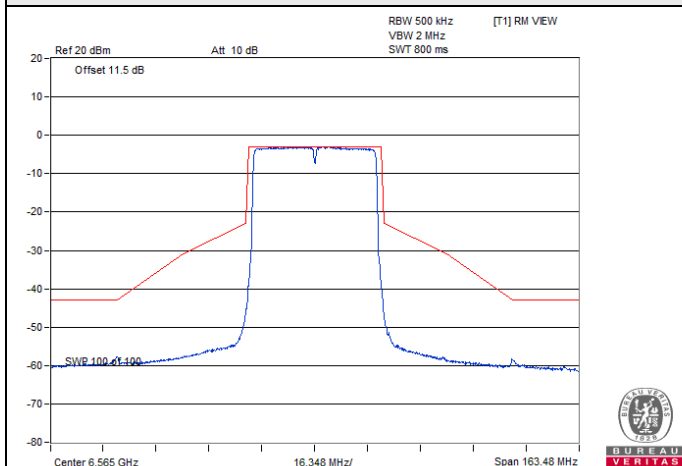


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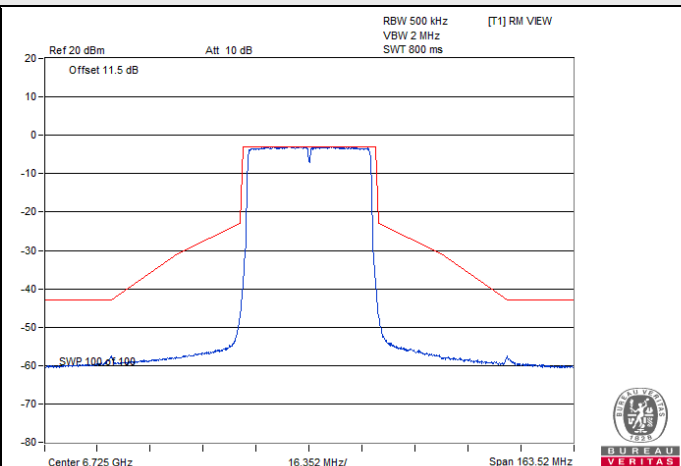


802.11be (EHT40) / Chain 2 : CH 115

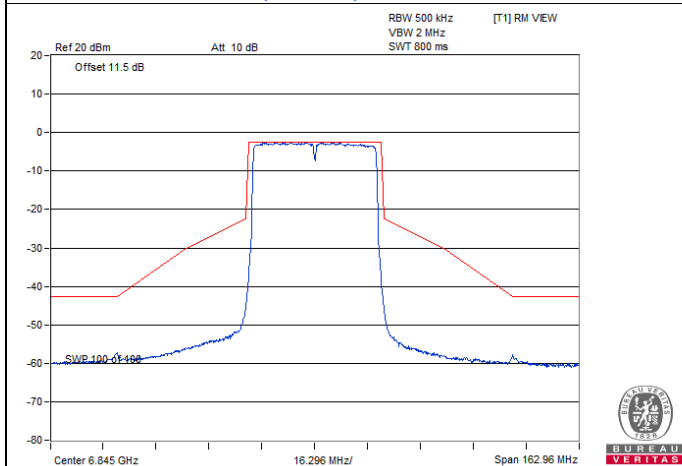
Spectrum Plot



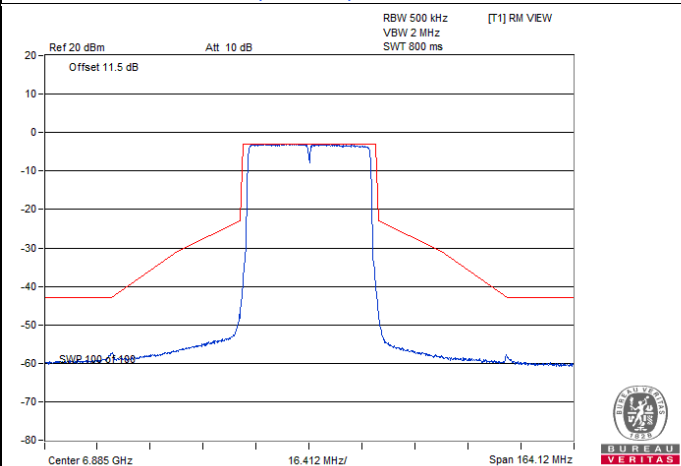
802.11be (EHT40) / Chain 2 : CH 123



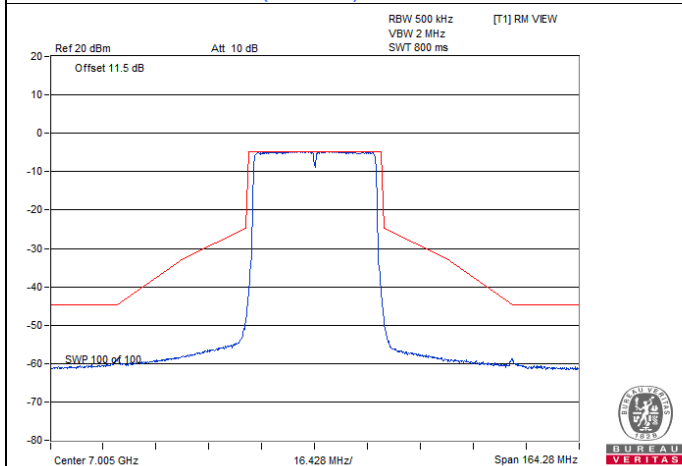
802.11be (EHT40) / Chain 2 : CH 155



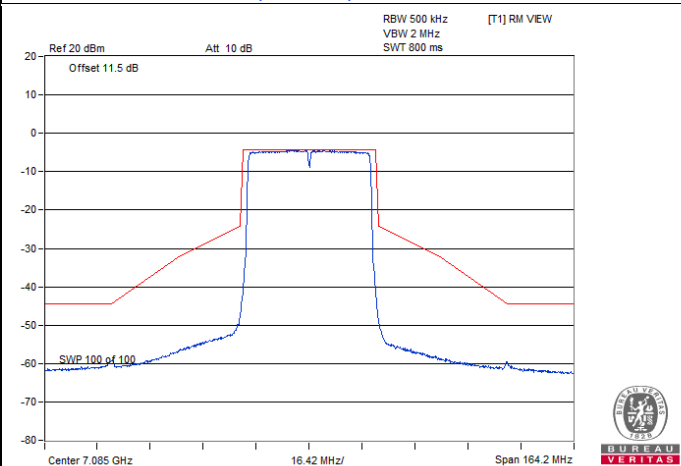
802.11be (EHT40) / Chain 2 : CH 179



802.11be (EHT40) / Chain 2 : CH 187

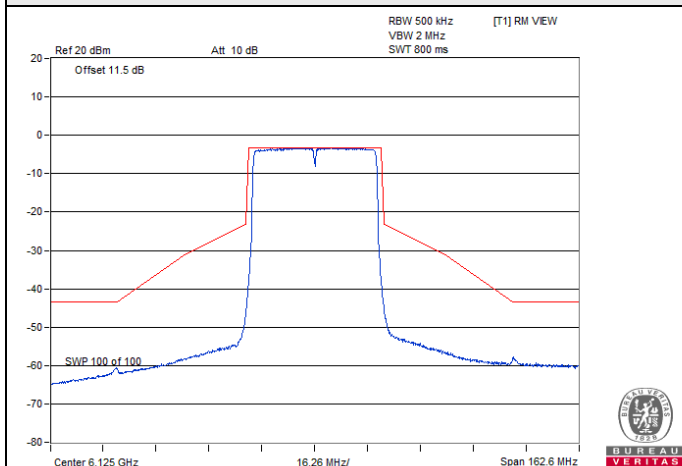


802.11be (EHT40) / Chain 2 : CH 211

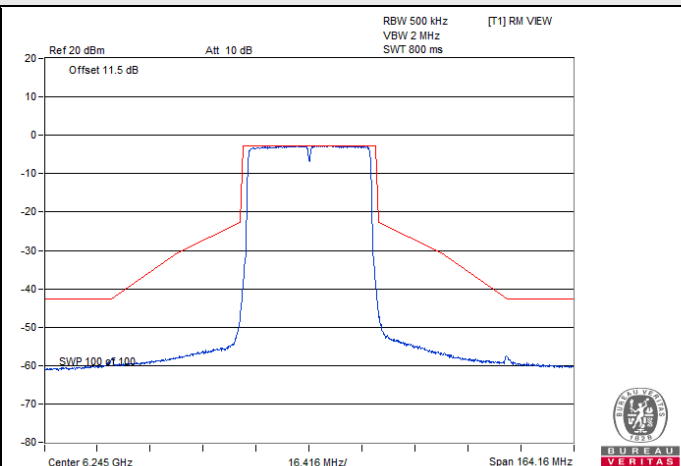


802.11be (EHT40) / Chain 2 : CH 227

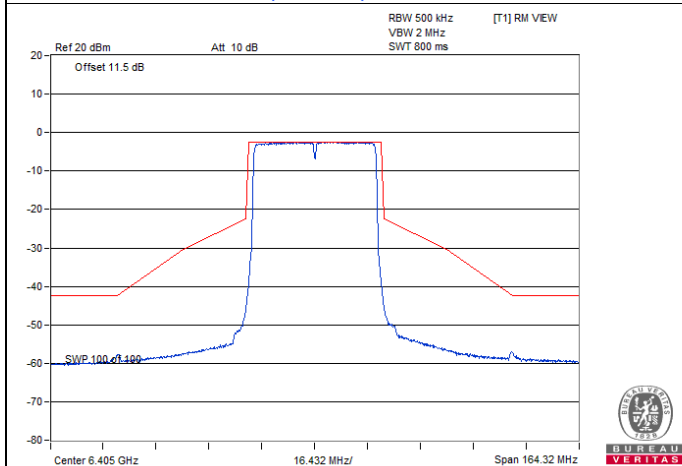
Spectrum Plot



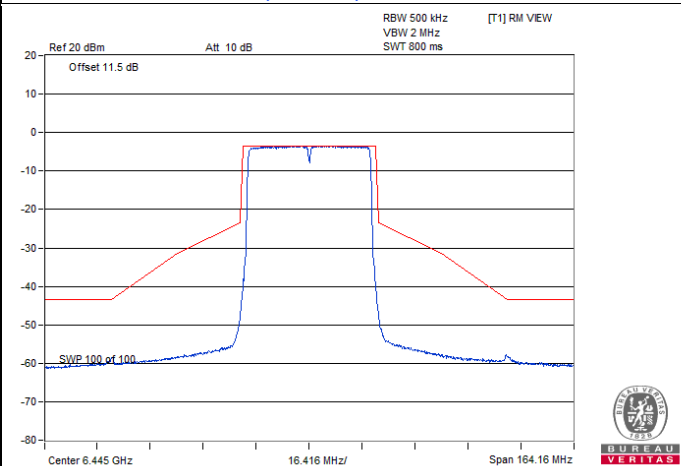
802.11be (EHT40) / Chain 3 : CH 35



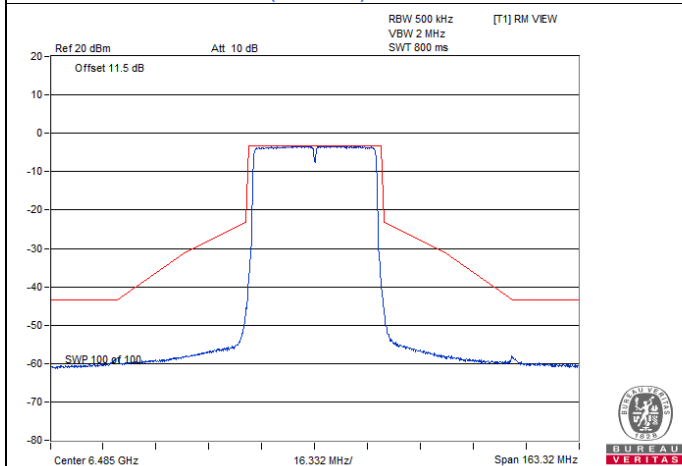
802.11be (EHT40) / Chain 3 : CH 59



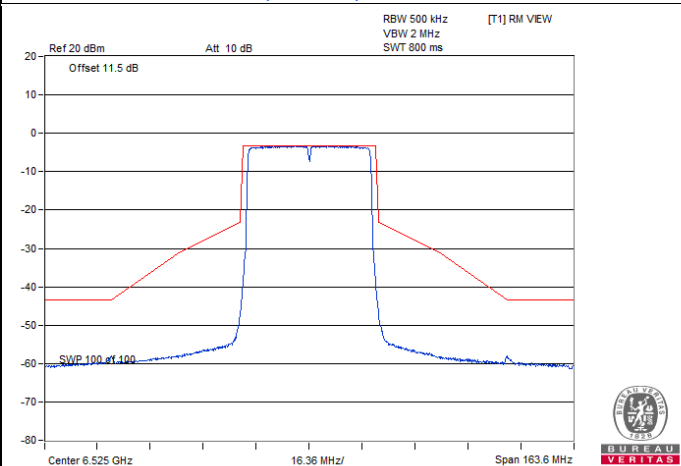
802.11be (EHT40) / Chain 3 : CH 91



802.11be (EHT40) / Chain 3 : CH 99

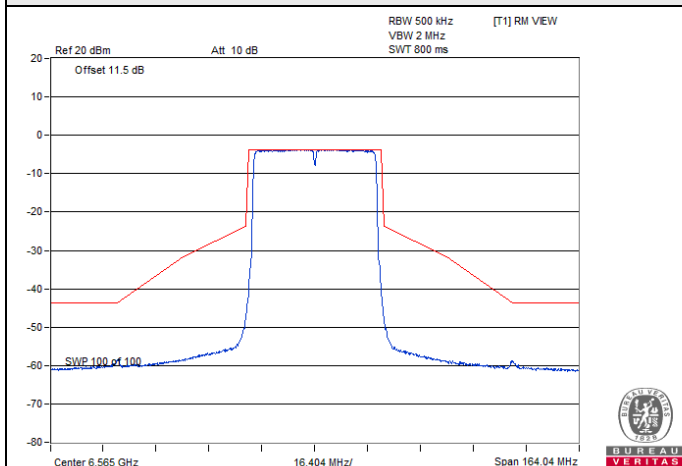


802.11be (EHT40) / Chain 3 : CH 107

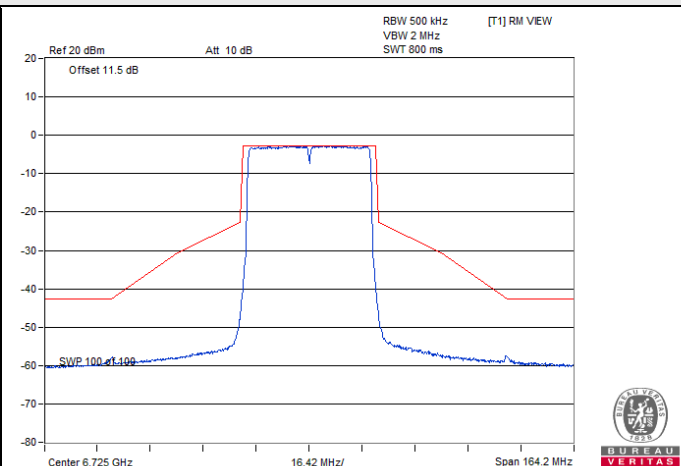


802.11be (EHT40) / Chain 3 : CH 115

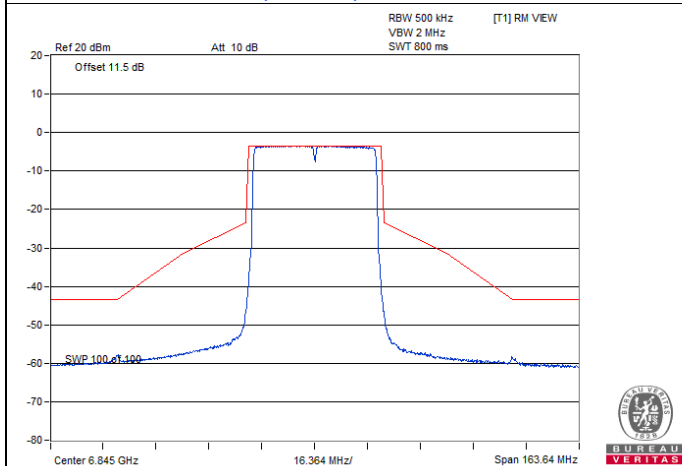
Spectrum Plot



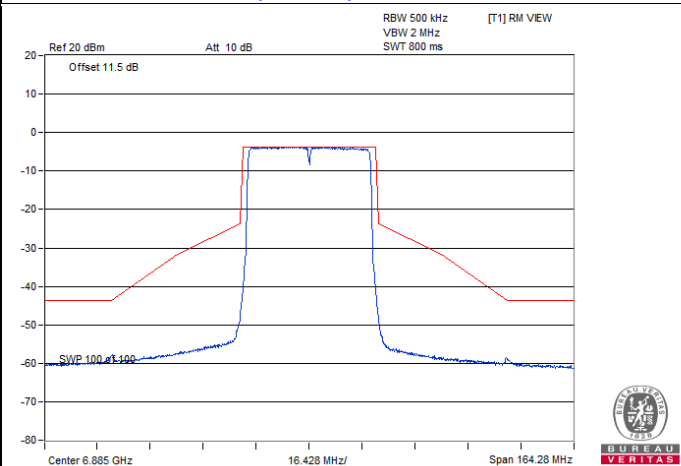
802.11be (EHT40) / Chain 3 : CH 123



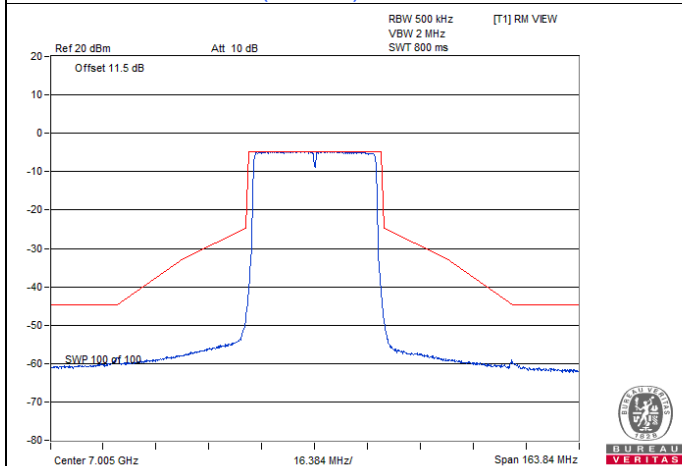
802.11be (EHT40) / Chain 3 : CH 155



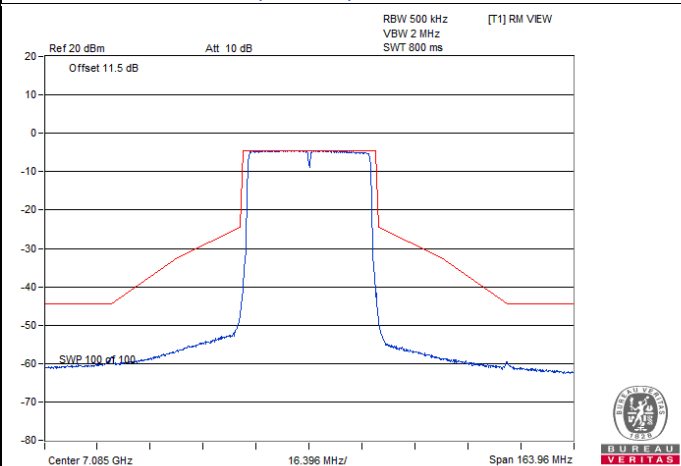
802.11be (EHT40) / Chain 3 : CH 179



802.11be (EHT40) / Chain 3 : CH 187



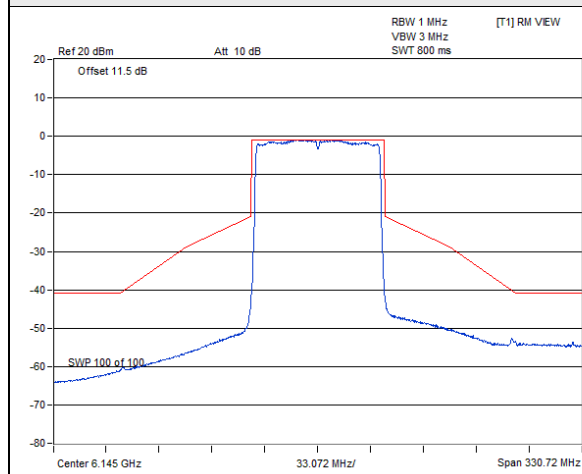
802.11be (EHT40) / Chain 3 : CH 211



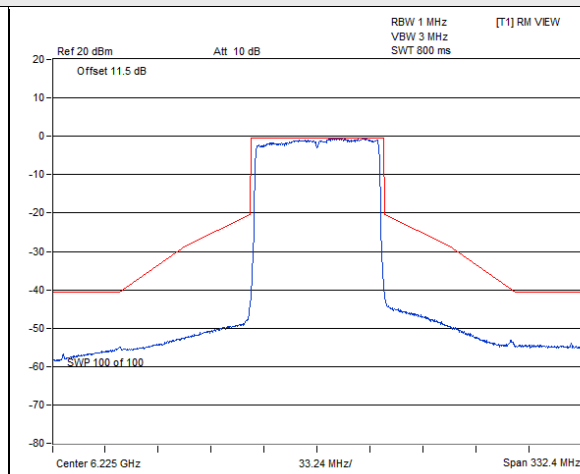
802.11be (EHT40) / Chain 3 : CH 227

802.11be (EHT80) Beamforming

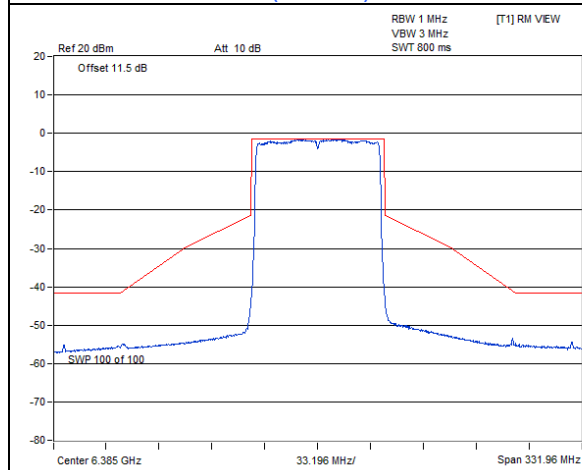
Spectrum Plot



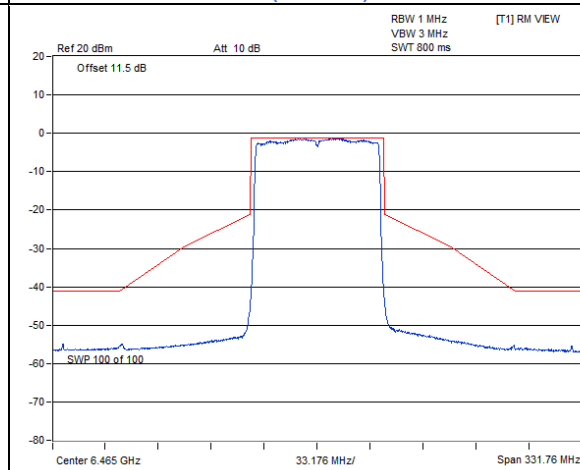
802.11be (EHT80) / Chain 0 : CH 39



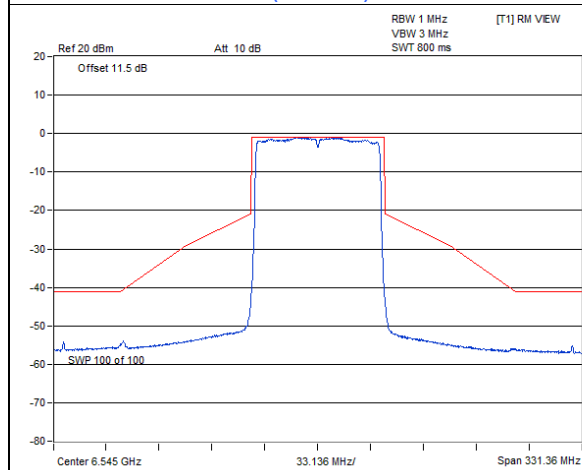
802.11be (EHT80) / Chain 0 : CH 55



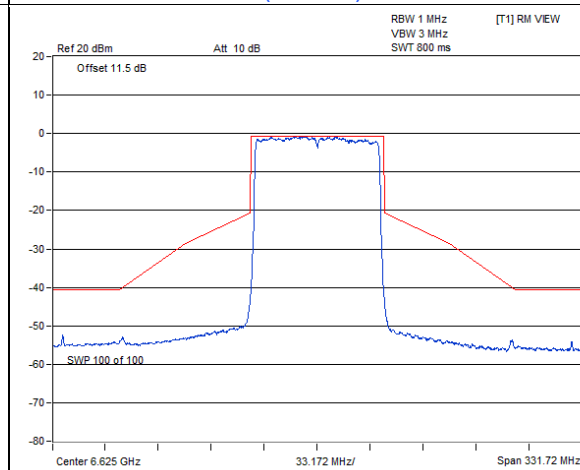
802.11be (EHT80) / Chain 0 : CH 87



802.11be (EHT80) / Chain 0 : CH 103

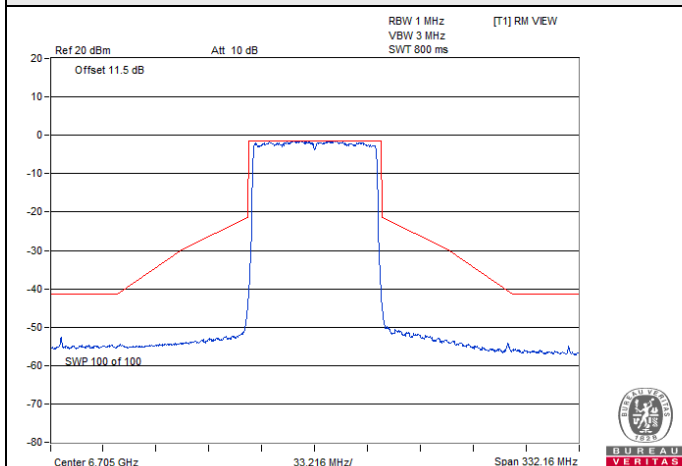


802.11be (EHT80) / Chain 0 : CH 119

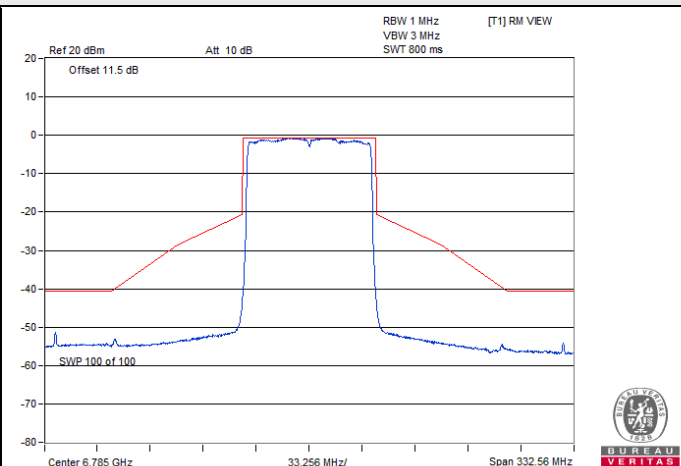


802.11be (EHT80) / Chain 0 : CH 135

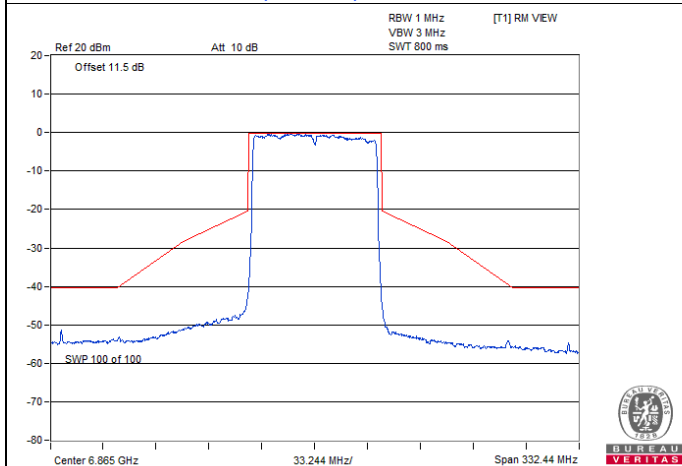
Spectrum Plot



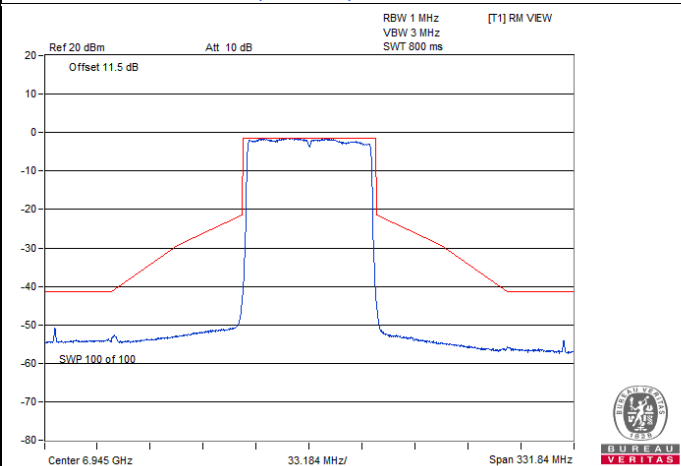
802.11be (EHT80) / Chain 0 : CH 151



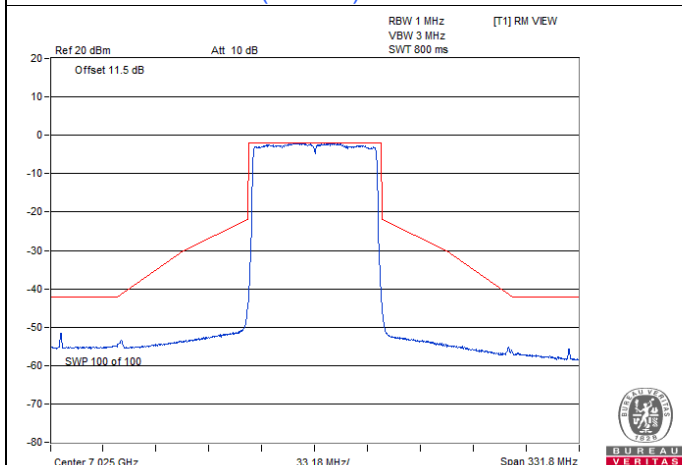
802.11be (EHT80) / Chain 0 : CH 167



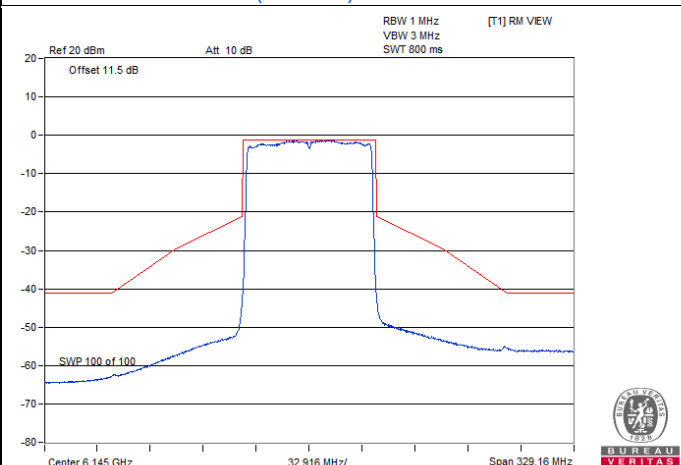
802.11be (EHT80) / Chain 0 : CH 183



802.11be (EHT80) / Chain 0 : CH 199

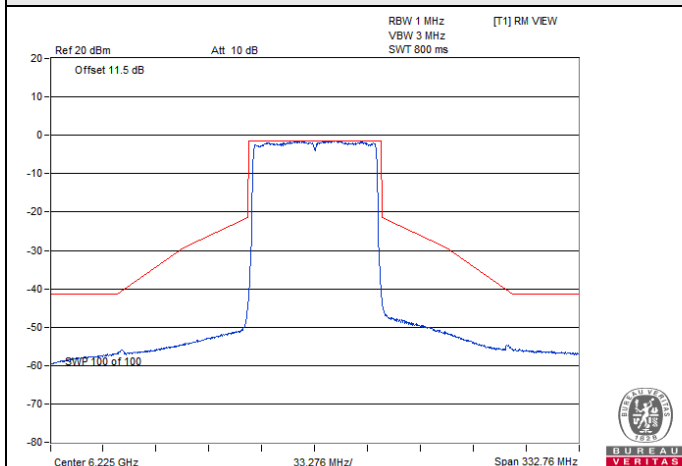


802.11be (EHT80) / Chain 0 : CH 215

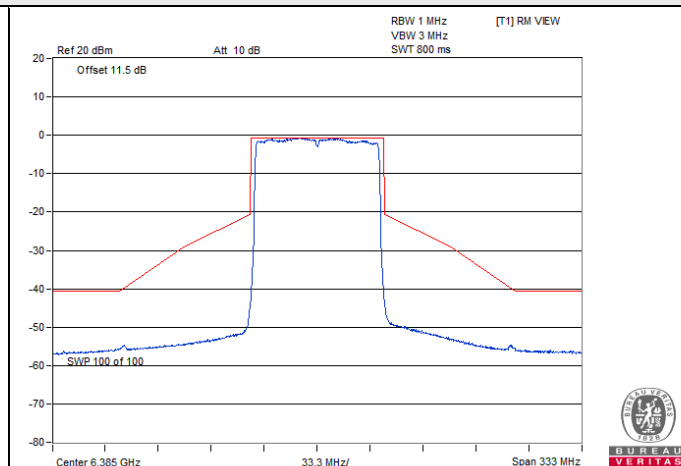


802.11be (EHT80) / Chain 1 : CH 39

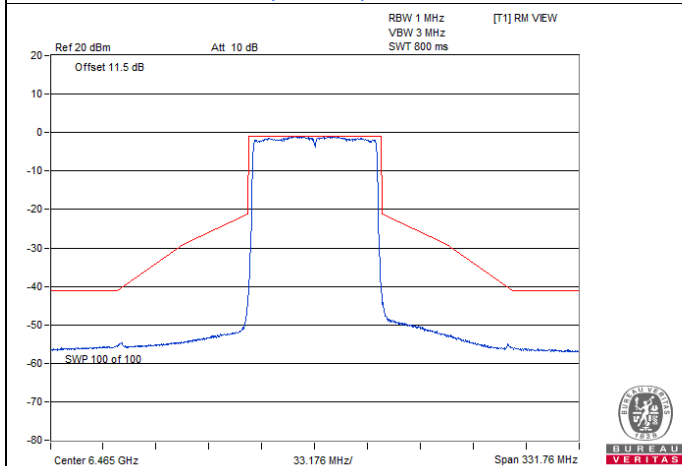
Spectrum Plot



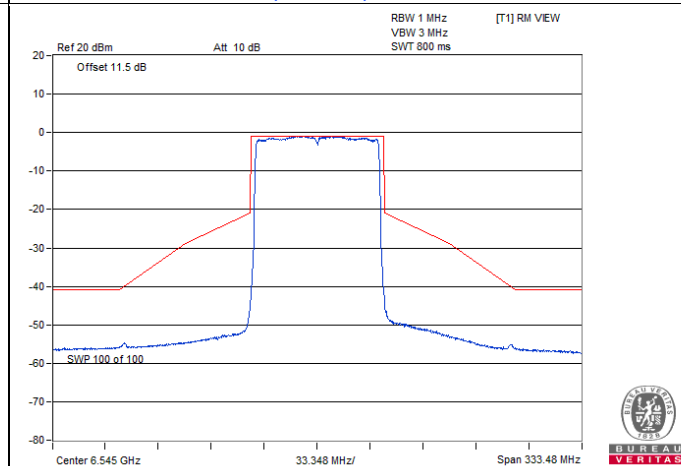
802.11be (EHT80) / Chain 1 : CH 55



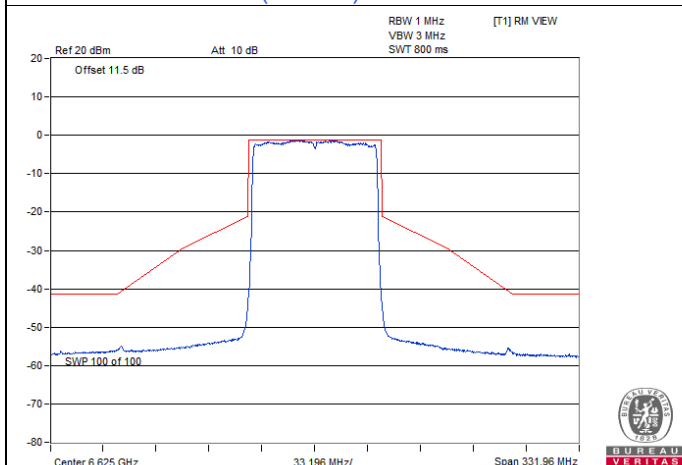
802.11be (EHT80) / Chain 1 : CH 87



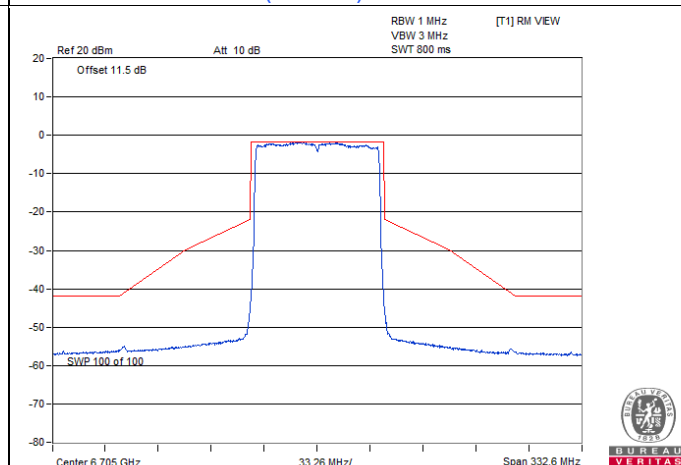
802.11be (EHT80) / Chain 1 : CH 103



802.11be (EHT80) / Chain 1 : CH 119

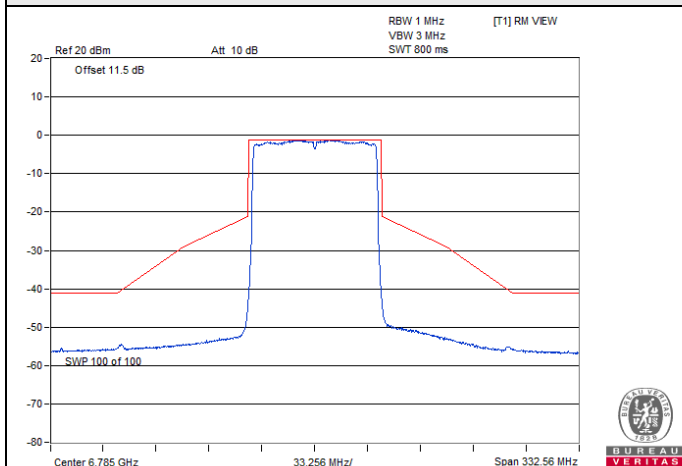


802.11be (EHT80) / Chain 1 : CH 135

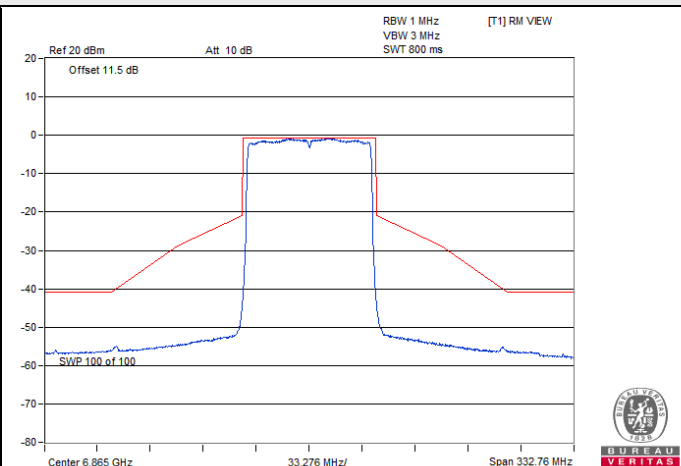


802.11be (EHT80) / Chain 1 : CH 151

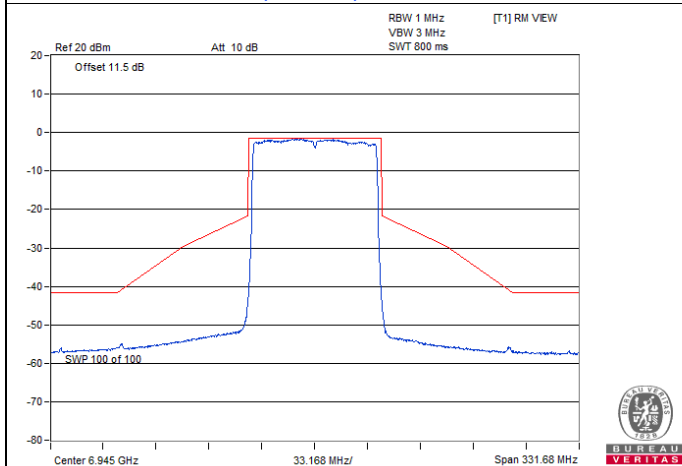
Spectrum Plot



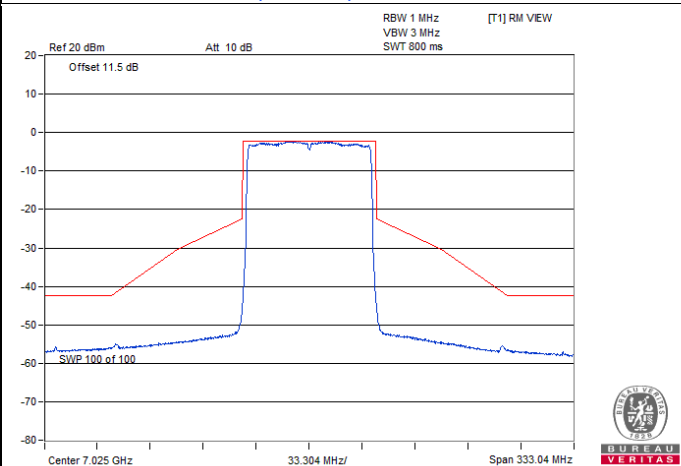
802.11be (EHT80) / Chain 1 : CH 167



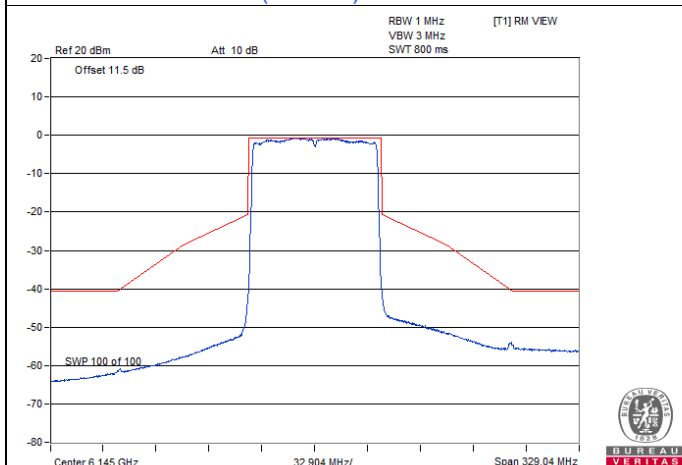
802.11be (EHT80) / Chain 1 : CH 183



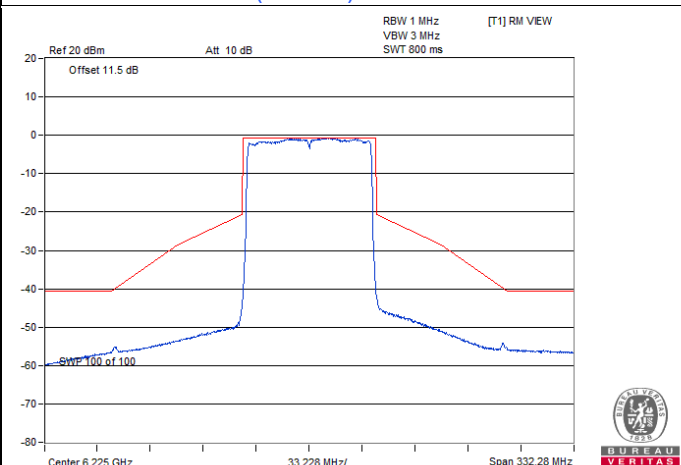
802.11be (EHT80) / Chain 1 : CH 199



802.11be (EHT80) / Chain 1 : CH 215

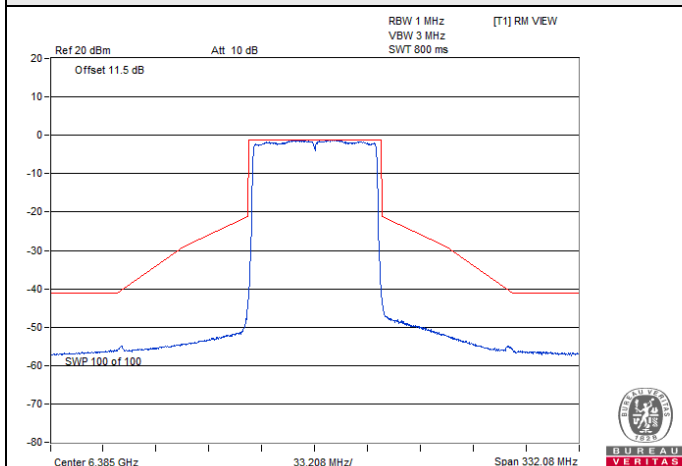


802.11be (EHT80) / Chain 2 : CH 39

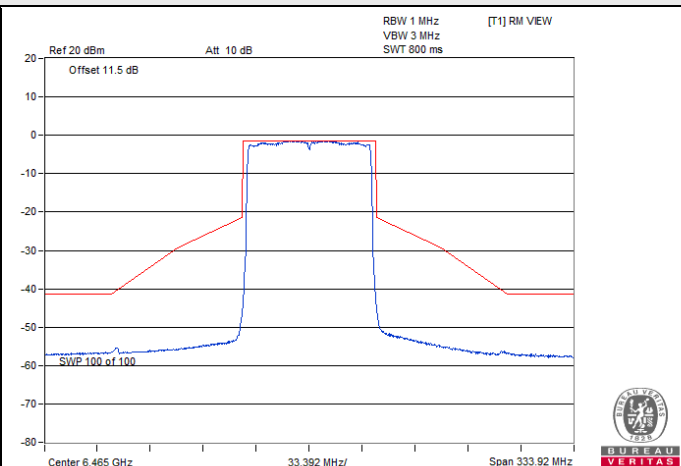


802.11be (EHT80) / Chain 2 : CH 55

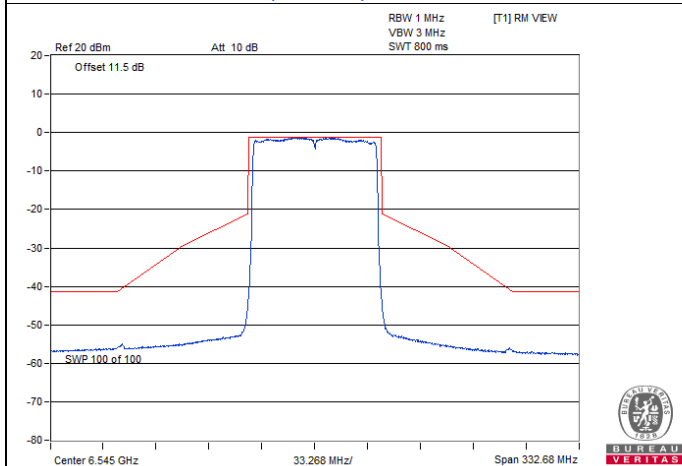
Spectrum Plot



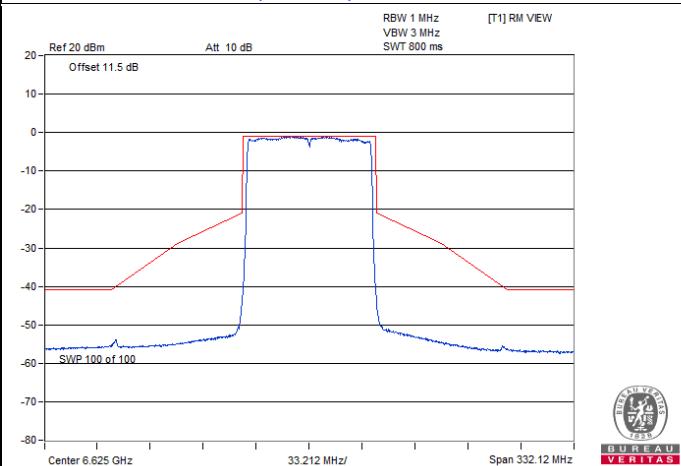
802.11be (EHT80) / Chain 2 : CH 87



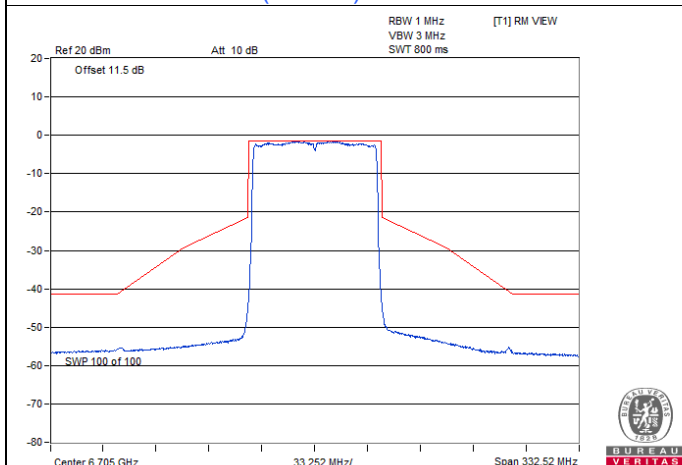
802.11be (EHT80) / Chain 2 : CH 103



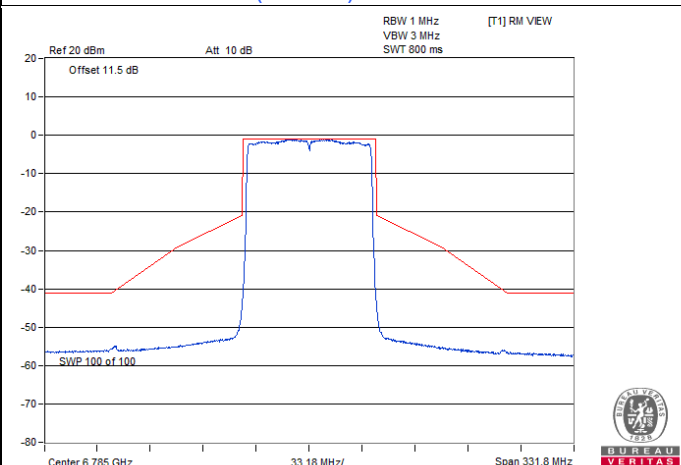
802.11be (EHT80) / Chain 2 : CH 119



802.11be (EHT80) / Chain 2 : CH 135

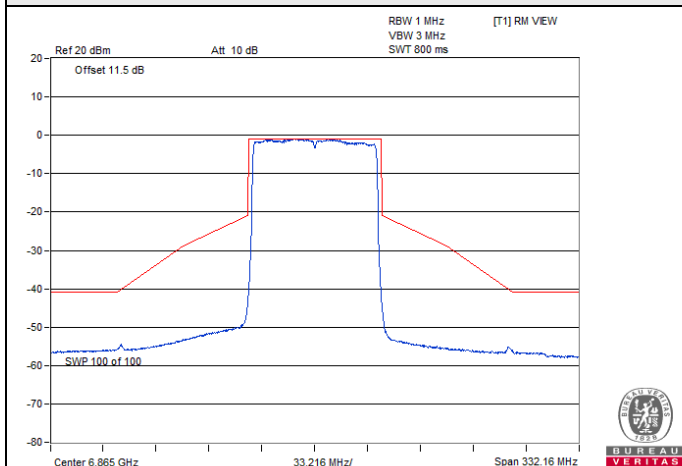


802.11be (EHT80) / Chain 2 : CH 151

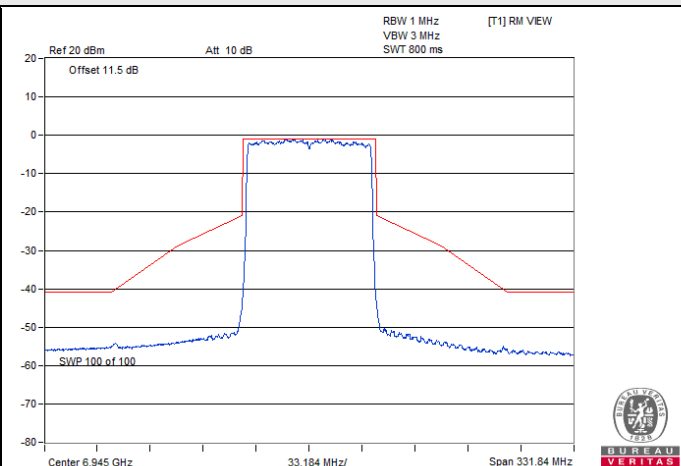


802.11be (EHT80) / Chain 2 : CH 167

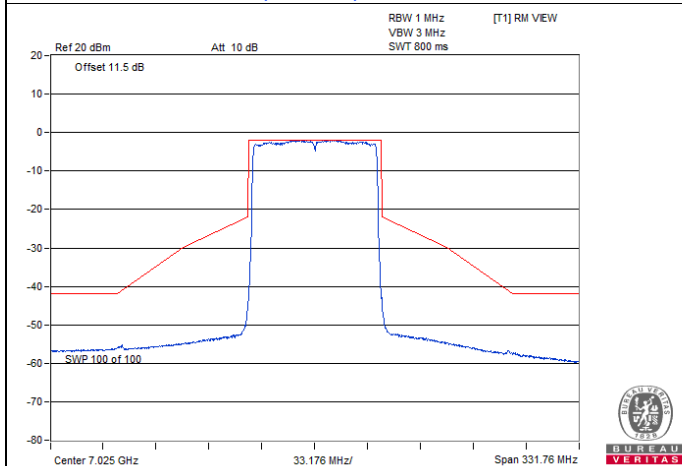
Spectrum Plot



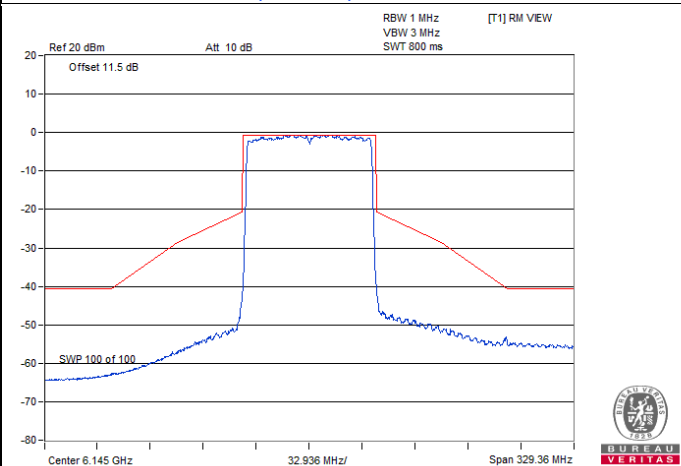
802.11be (EHT80) / Chain 2 : CH 183



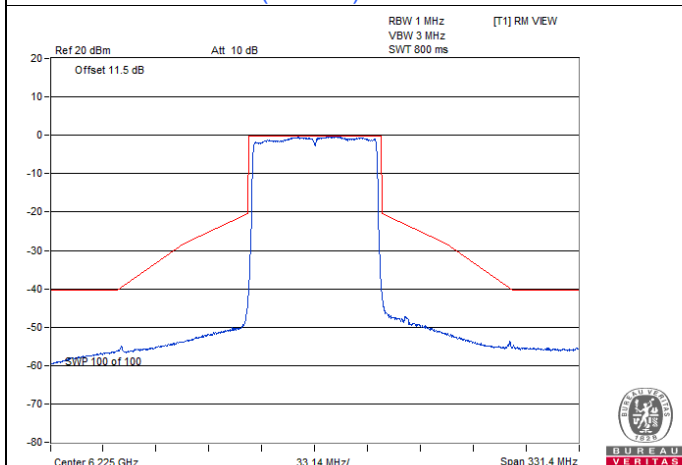
802.11be (EHT80) / Chain 2 : CH 199



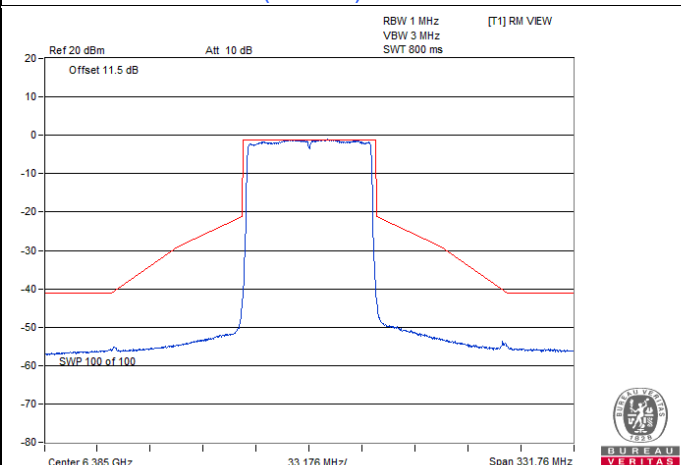
802.11be (EHT80) / Chain 2 : CH 215



802.11be (EHT80) / Chain 3 : CH 39

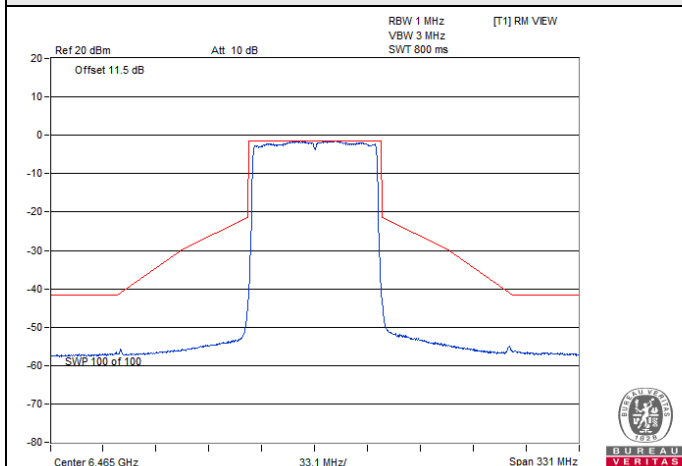


802.11be (EHT80) / Chain 3 : CH 55

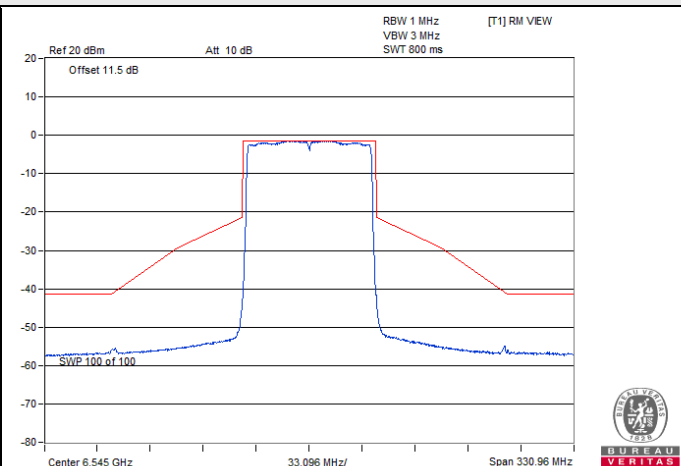


802.11be (EHT80) / Chain 3 : CH 87

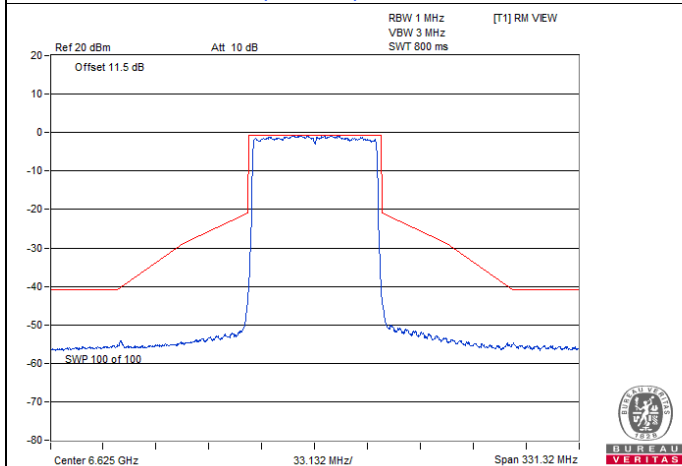
Spectrum Plot



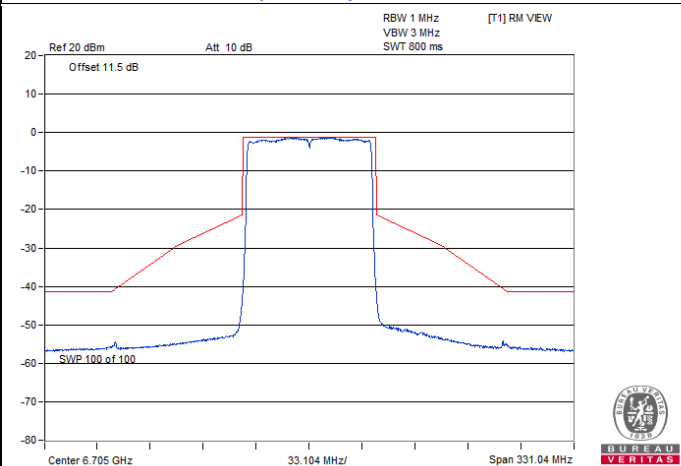
802.11be (EHT80) / Chain 3 : CH 103



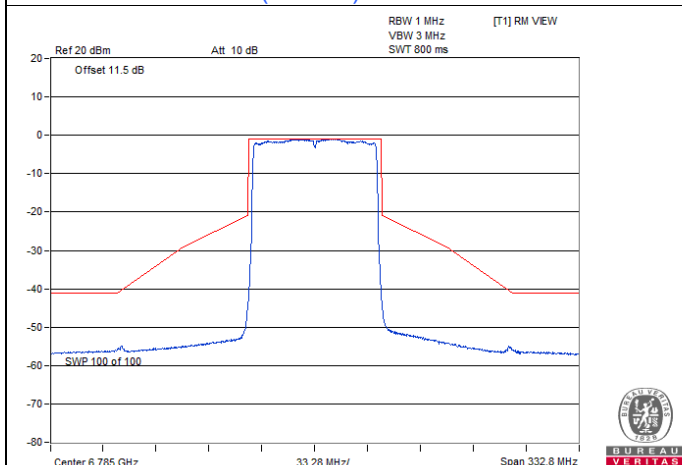
802.11be (EHT80) / Chain 3 : CH 119



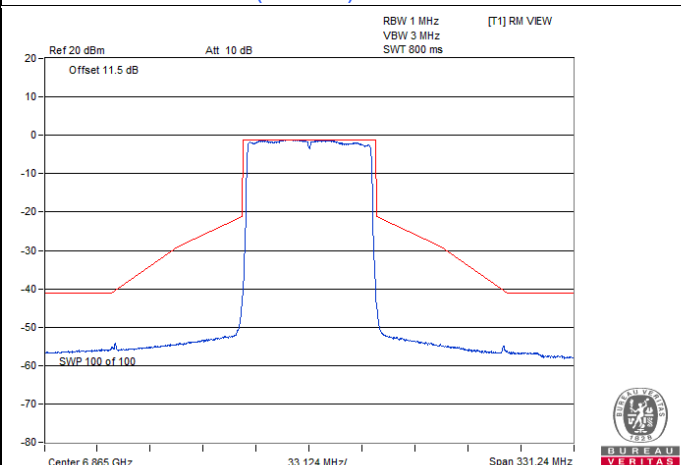
802.11be (EHT80) / Chain 3 : CH 135



802.11be (EHT80) / Chain 3 : CH 151

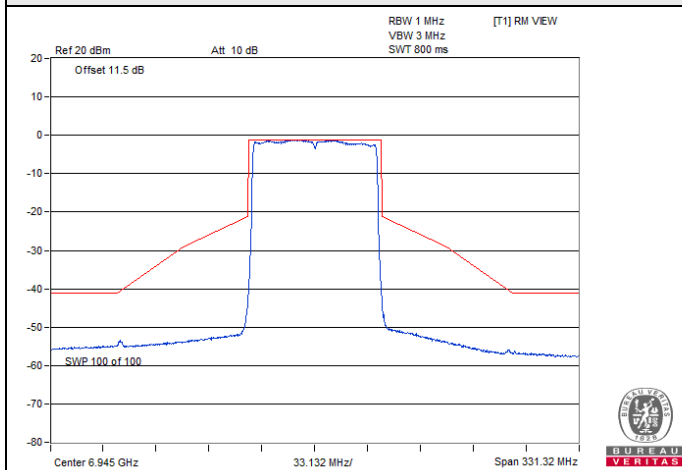


802.11be (EHT80) / Chain 3 : CH 167

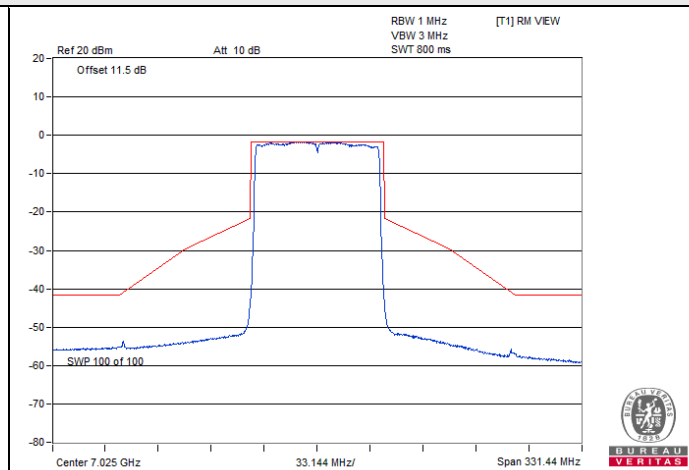


802.11be (EHT80) / Chain 3 : CH 183

Spectrum Plot



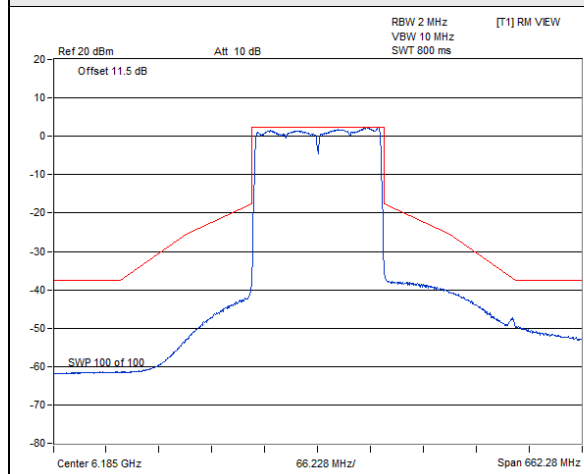
802.11be (EHT80) / Chain 3 : CH 199



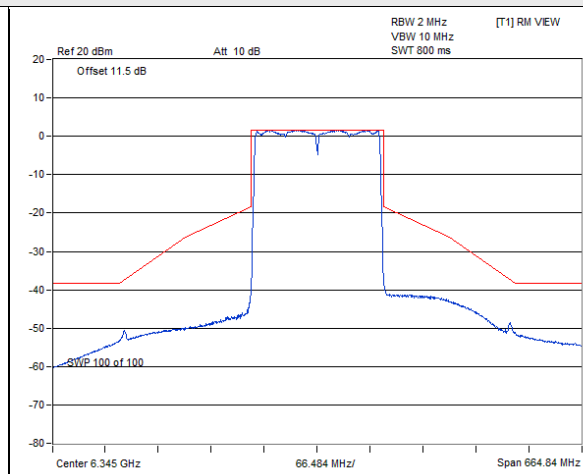
802.11be (EHT80) / Chain 3 : CH 215

802.11be (EHT160) Beamforming

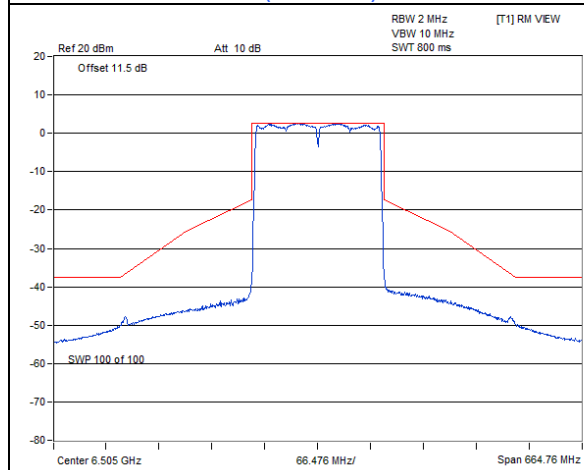
Spectrum Plot



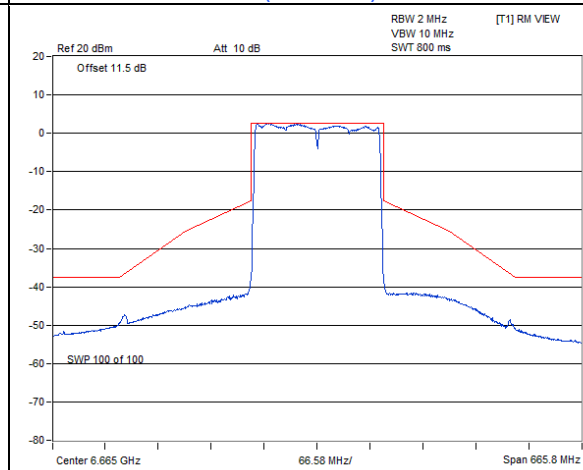
802.11be (EHT160) / Chain 0 : CH 47



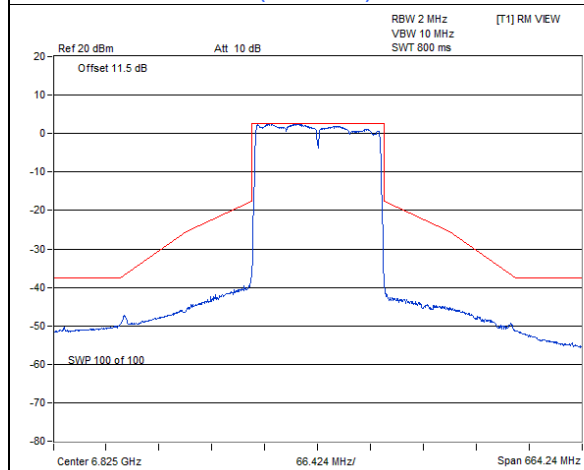
802.11be (EHT160) / Chain 0 : CH 79



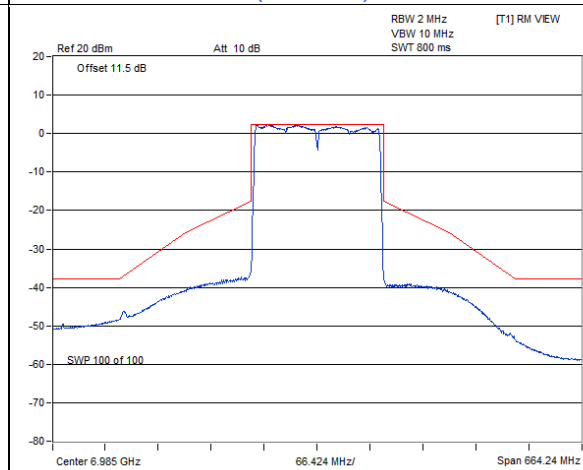
802.11be (EHT160) / Chain 0 : CH 111



802.11be (EHT160) / Chain 0 : CH 143

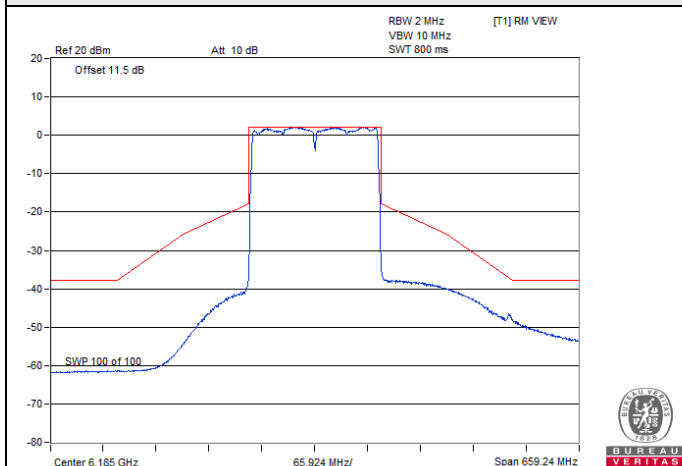


802.11be (EHT160) / Chain 0 : CH 175

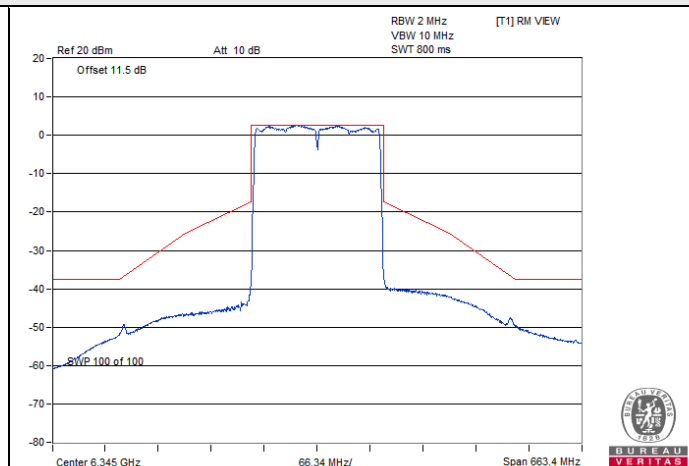


802.11be (EHT160) / Chain 0 : CH 207

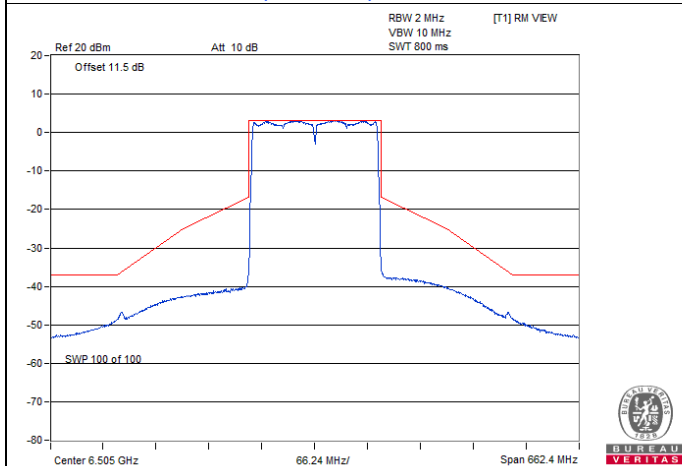
Spectrum Plot



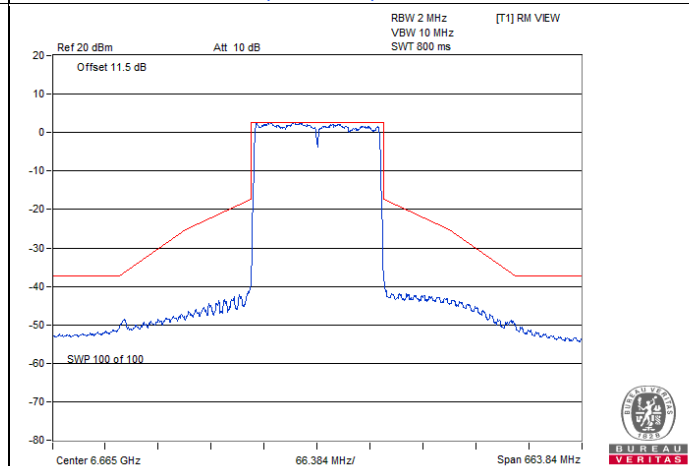
802.11be (EHT160) / Chain 1 : CH 47



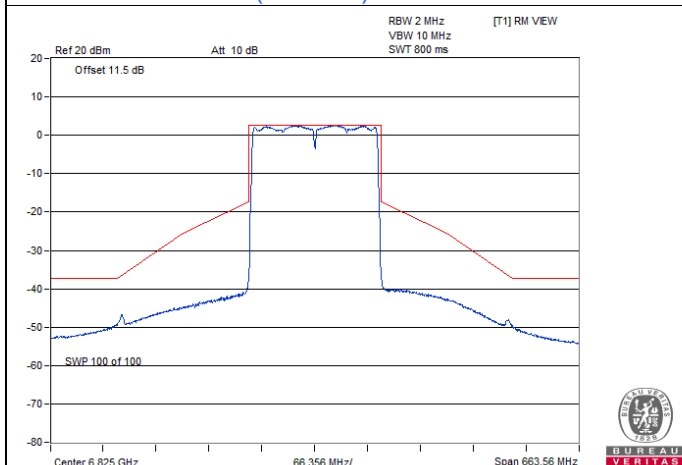
802.11be (EHT160) / Chain 1 : CH 79



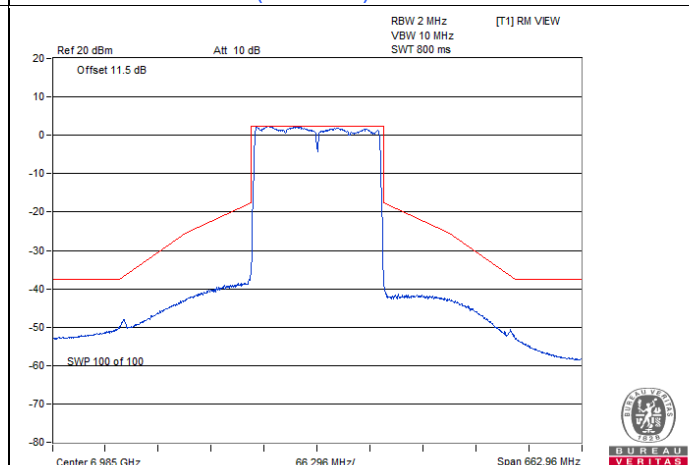
802.11be (EHT160) / Chain 1 : CH 111



802.11be (EHT160) / Chain 1 : CH 143

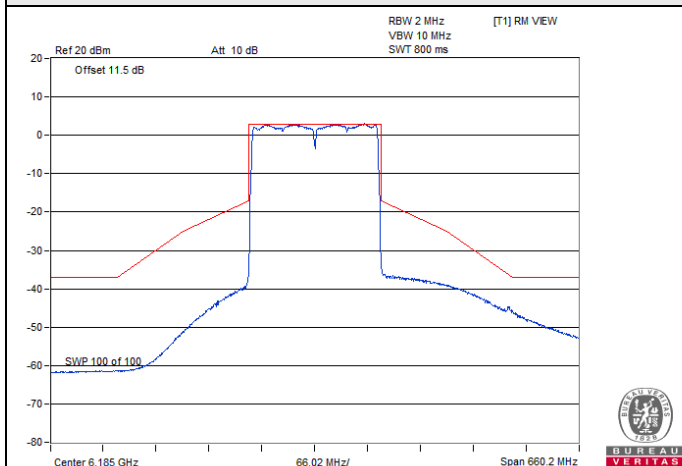


802.11be (EHT160) / Chain 1 : CH 175

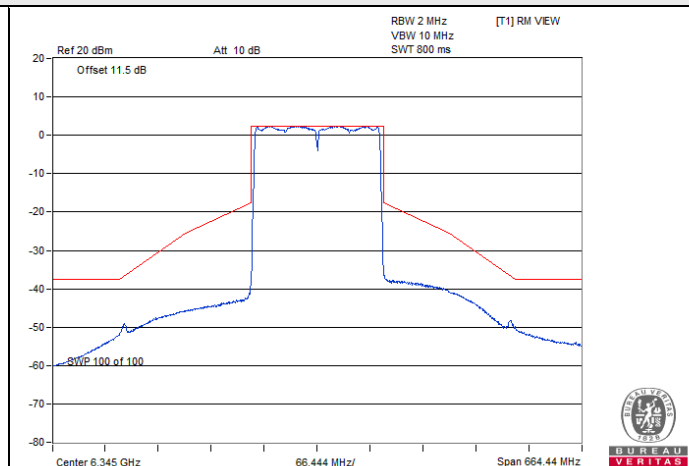


802.11be (EHT160) / Chain 1 : CH 207

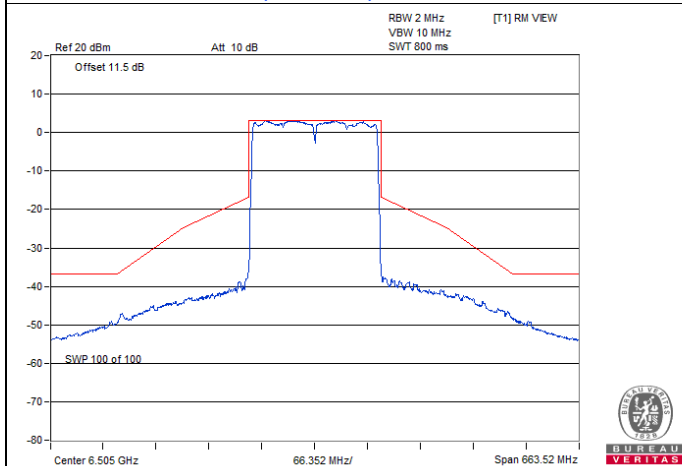
Spectrum Plot



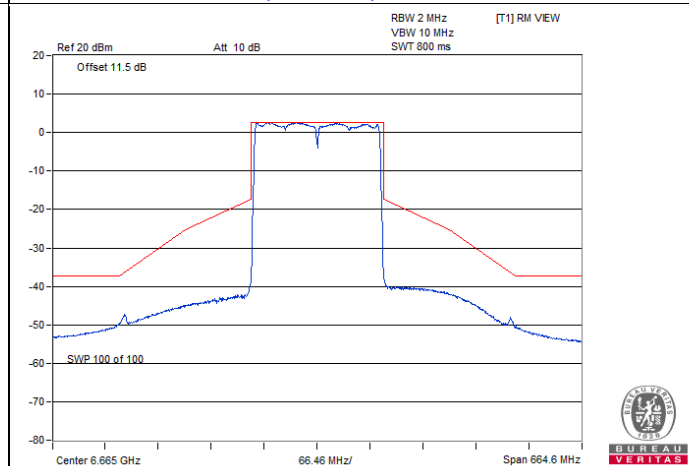
802.11be (EHT160) / Chain 2 : CH 47



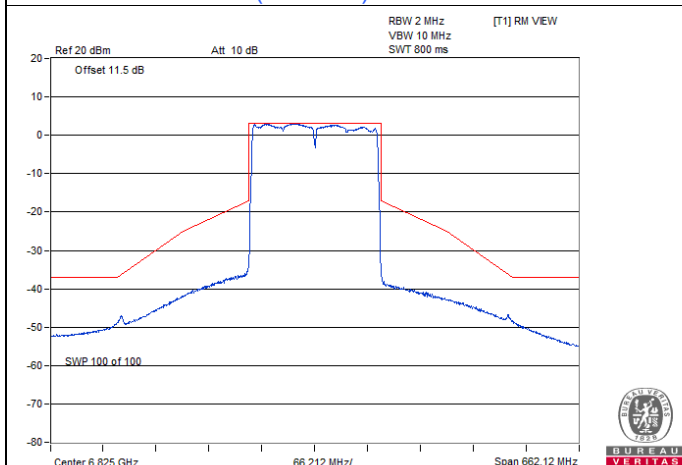
802.11be (EHT160) / Chain 2 : CH 79



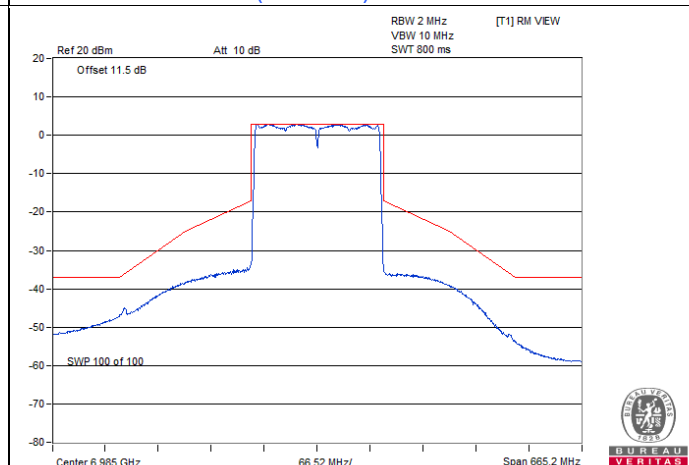
802.11be (EHT160) / Chain 2 : CH 111



802.11be (EHT160) / Chain 2 : CH 143

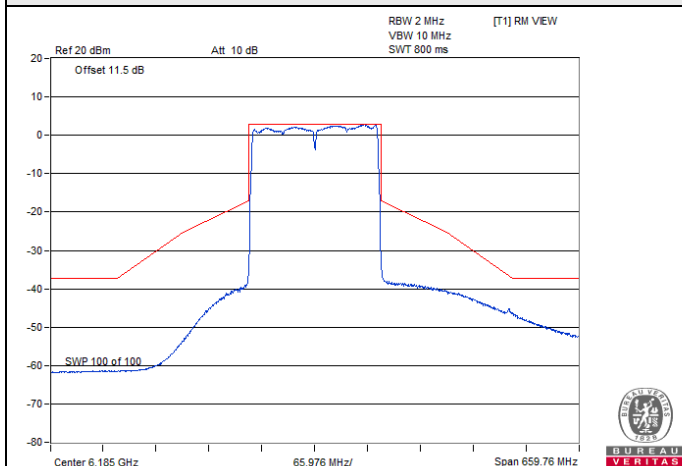


802.11be (EHT160) / Chain 2 : CH 175

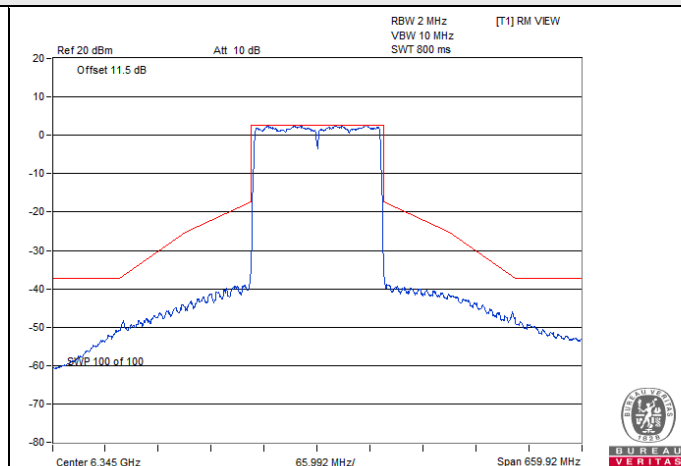


802.11be (EHT160) / Chain 2 : CH 207

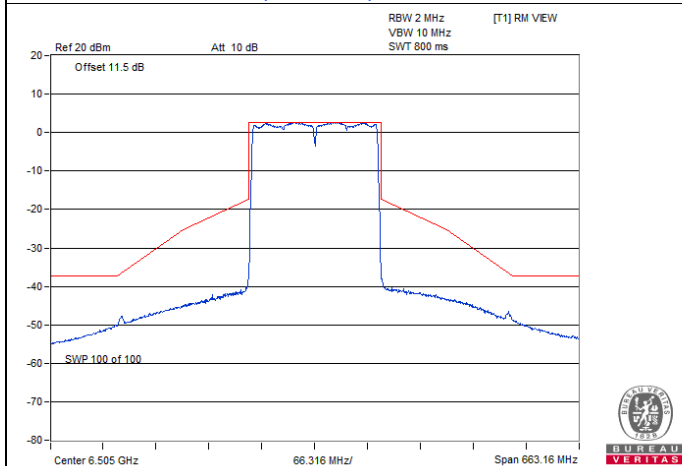
Spectrum Plot



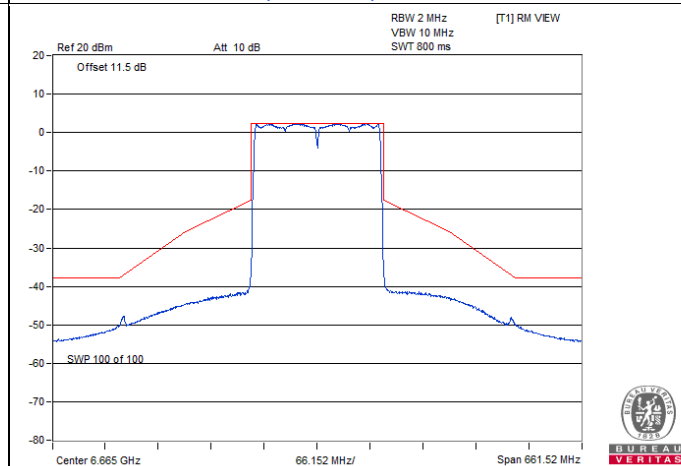
802.11be (EHT160) / Chain 3 : CH 47



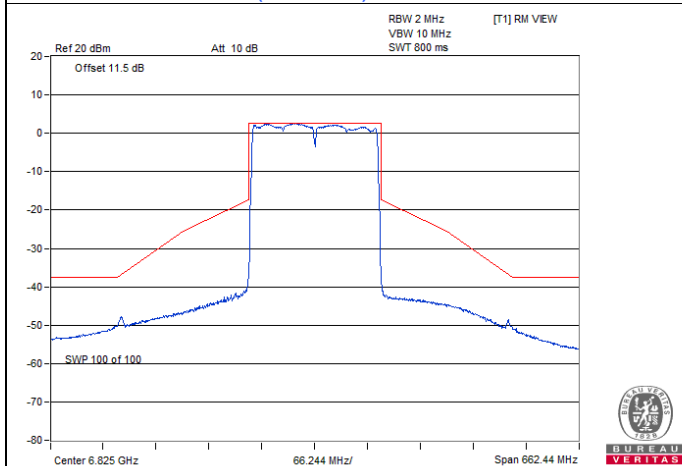
802.11be (EHT160) / Chain 3 : CH 79



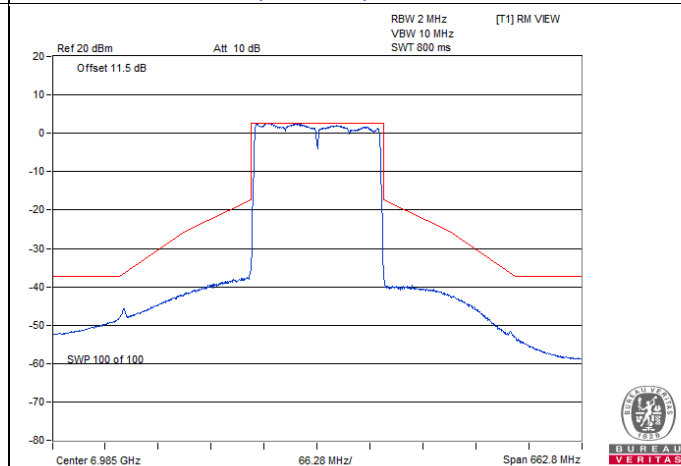
802.11be (EHT160) / Chain 3 : CH 111



802.11be (EHT160) / Chain 3 : CH 143



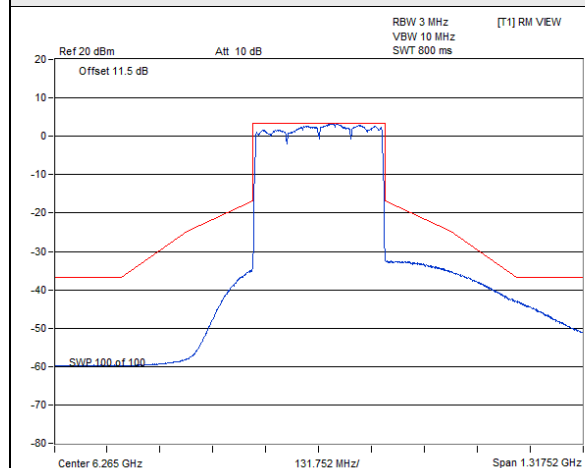
802.11be (EHT160) / Chain 3 : CH 175



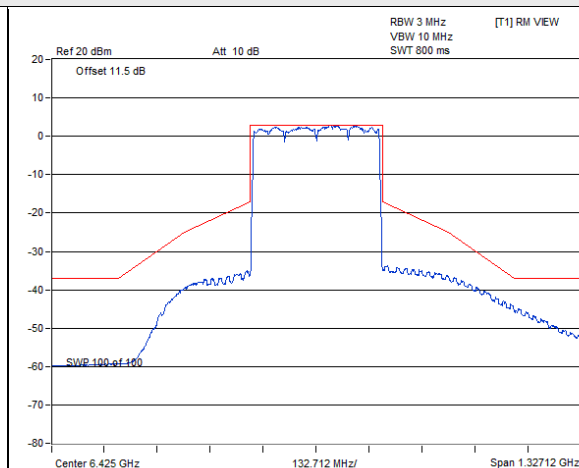
802.11be (EHT160) / Chain 3 : CH 207

802.11be (EHT320) Beamforming

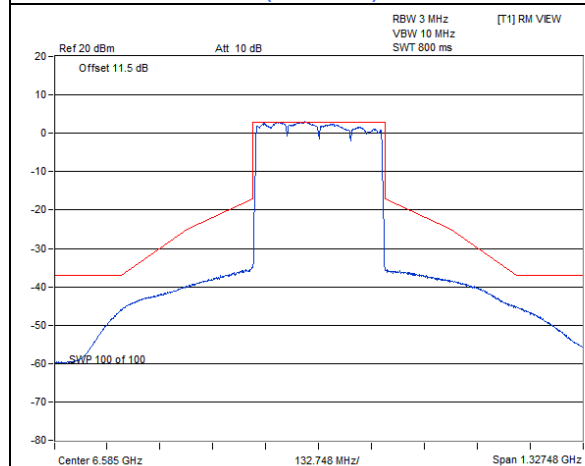
Spectrum Plot



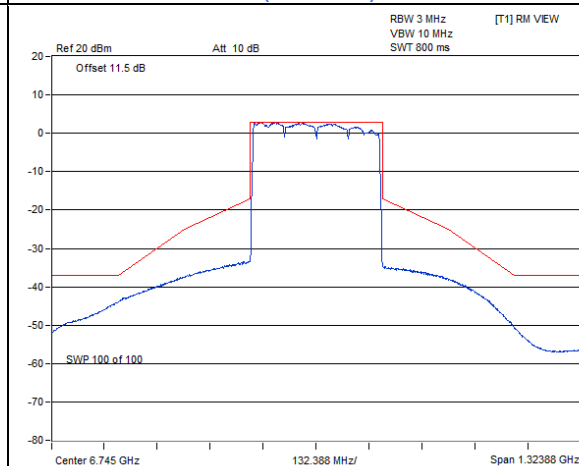
802.11be (EHT320) / Chain 0 : CH 63



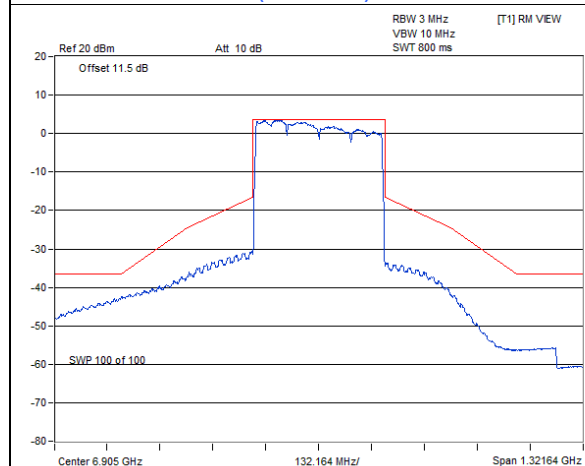
802.11be (EHT320) / Chain 0 : CH 95



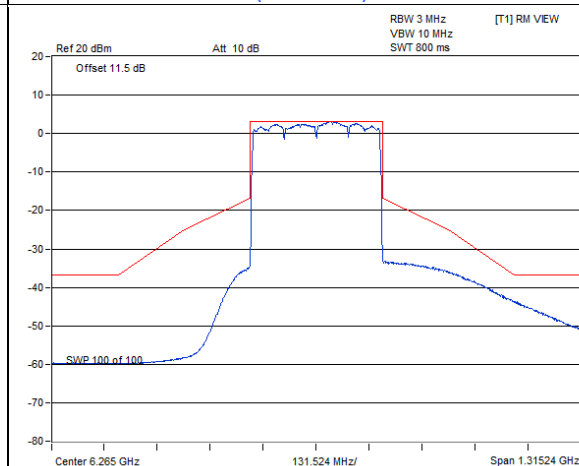
802.11be (EHT320) / Chain 0 : CH 127



802.11be (EHT320) / Chain 0 : CH 159

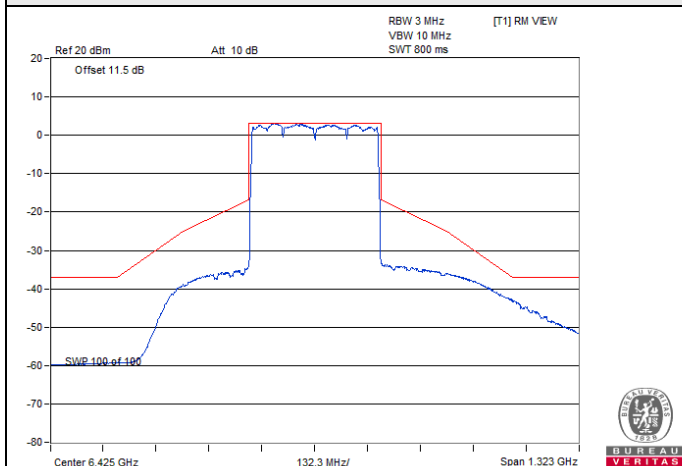


802.11be (EHT320) / Chain 0 : CH 191

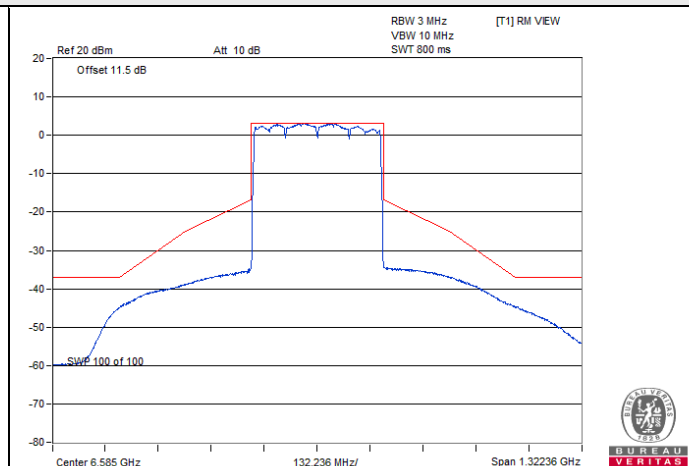


802.11be (EHT320) / Chain 1 : CH 63

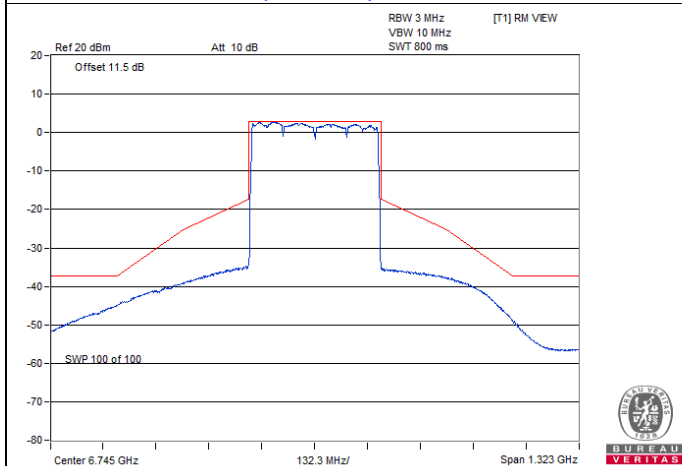
Spectrum Plot



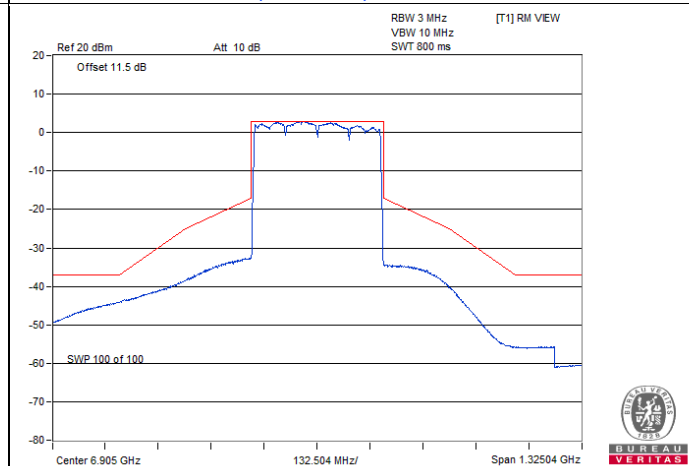
802.11be (EHT320) / Chain 1 : CH 95



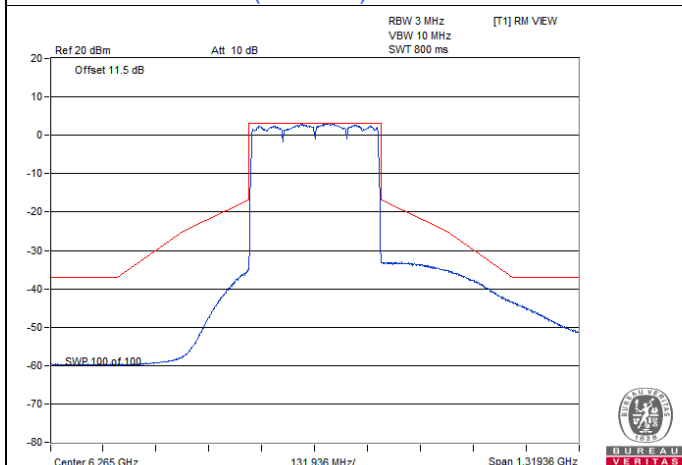
802.11be (EHT320) / Chain 1 : CH 127



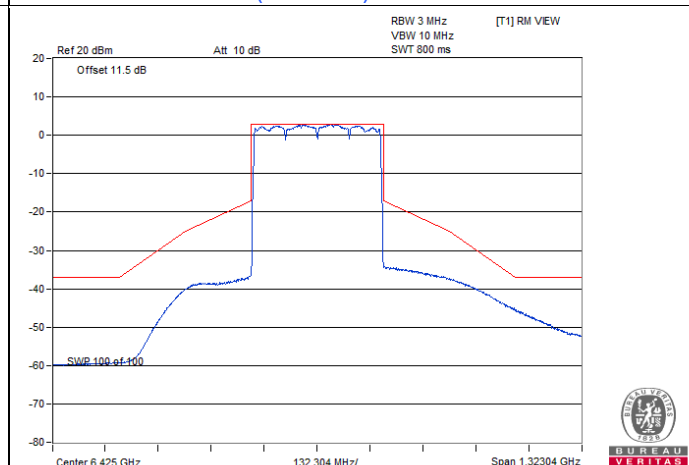
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802.11be (EHT320) / Chain 1 : CH 191

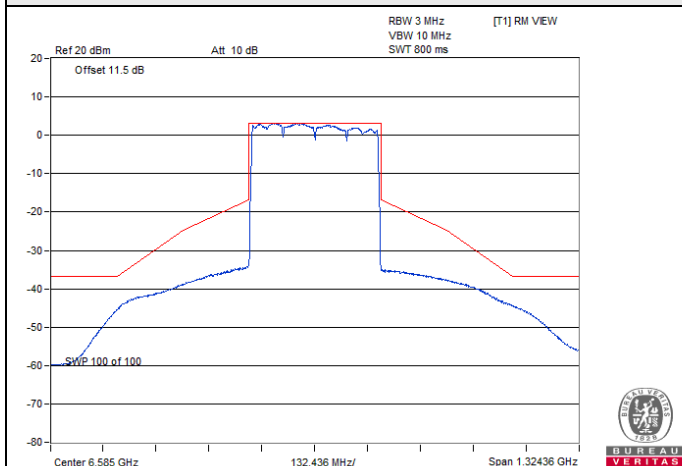


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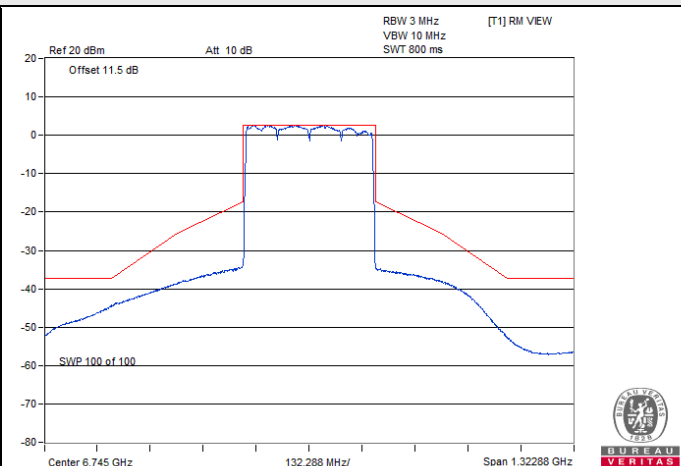


802.11be (EHT320) / Chain 2 : CH 95

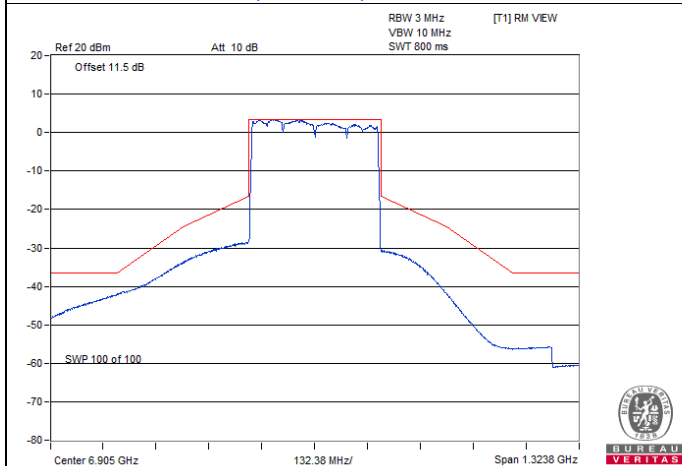
Spectrum Plot



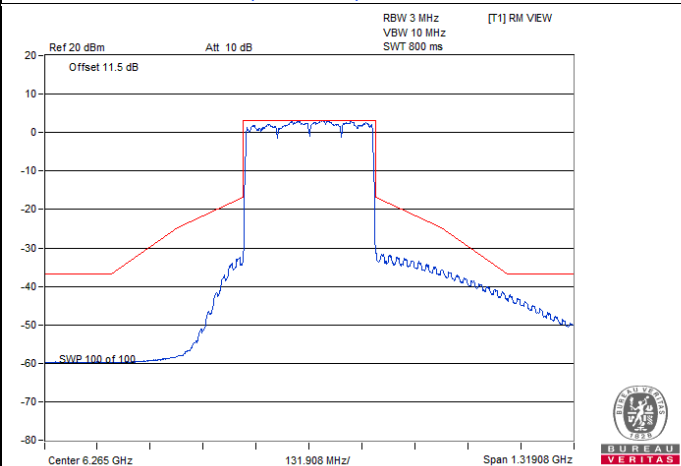
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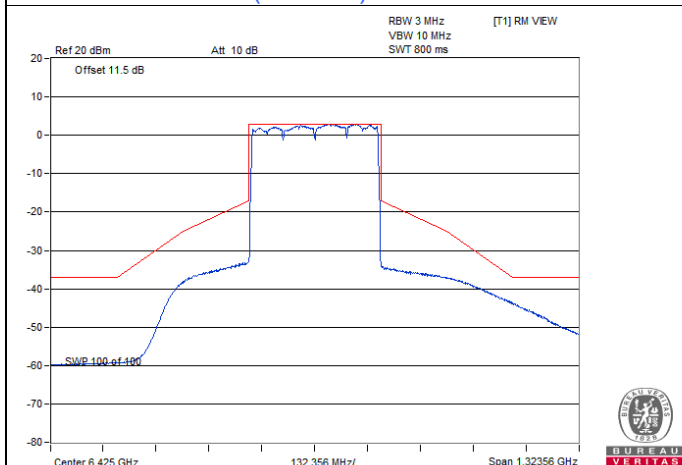
802.11be (EHT320) / Chain 2 : CH 159



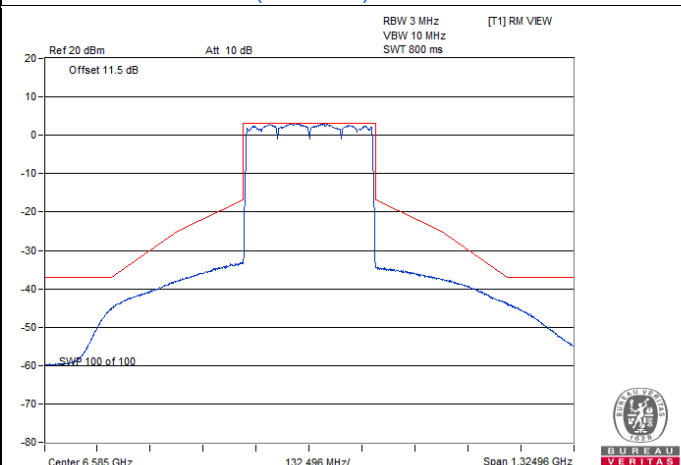
802.11be (EHT320) / Chain 2 : CH 191



802.11be (EHT320) / Chain 3 : CH 63

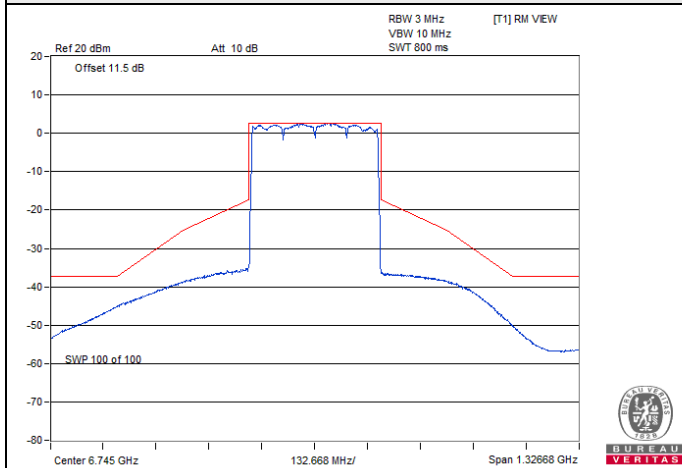


802.11be (EHT320) / Chain 3 : CH 95

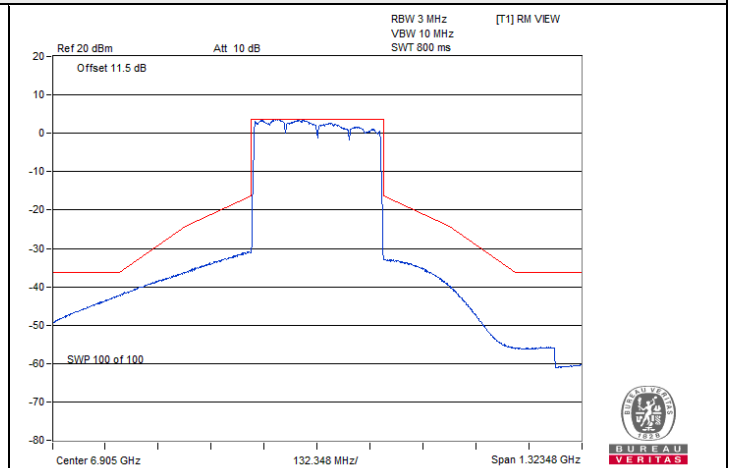


802.11be (EHT320) / Chain 3 : CH 127

Spectrum Plot



802.11be (EHT320) / Chain 3 : CH 159



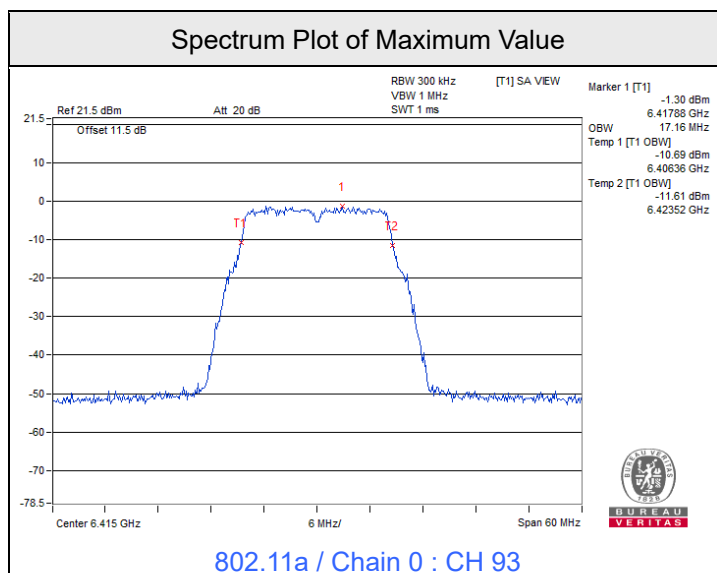
802.11be (EHT320) / Chain 3 : CH 191

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyoung Wang, Wayne Lin
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
33	6115	17.10	17.10	16.98	16.98
61	6255	17.10	17.04	17.04	16.92
93	6415	17.16	17.16	17.04	16.92
97	6435	17.16	17.04	16.92	16.92
105	6475	17.16	17.16	16.92	16.92
113	6515	17.04	16.92	16.92	16.92
117	6535	17.16	17.04	16.92	16.92
149	6695	17.16	17.16	17.04	16.92
181	6855	17.16	17.16	16.92	16.92
185	6875	17.16	17.04	16.92	17.04
209	6995	17.04	17.16	16.92	16.92
229	7095	17.16	17.04	16.92	16.92
233	7115	17.16	17.16	16.92	16.92



Beamforming (4T1S)

802.11be (EHT20) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
33	6115	19.20	19.26	19.20	19.14
61	6255	19.20	19.08	19.20	19.08
93	6415	19.08	19.20	19.08	19.32
97	6435	19.20	19.08	19.21	19.20
105	6475	19.08	19.20	19.08	19.20
113	6515	19.20	19.08	19.20	19.20
117	6535	19.20	19.08	19.20	19.20
149	6695	19.20	19.08	19.08	19.20
181	6855	19.20	19.08	19.08	19.08
185	6875	19.20	19.08	19.08	19.08
209	6995	19.20	19.08	19.08	19.08
229	7095	19.08	19.20	19.32	19.08
233	7115	19.20	19.08	19.14	19.08

802.11be (EHT40) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
35	6125	38.04	37.92	38.04	37.92
59	6245	38.16	38.16	38.16	38.16
91	6405	38.16	38.16	38.16	38.16
99	6445	38.16	38.16	37.92	37.92
107	6485	38.16	38.16	38.04	38.16
115	6525	38.16	38.16	37.92	38.16
123	6565	37.92	38.16	38.16	38.16
155	6725	38.16	38.16	38.16	38.16
179	6845	38.16	38.16	38.16	38.16
187	6885	37.92	37.92	38.16	38.16
211	7005	38.16	38.16	38.16	37.92
227	7085	38.16	38.16	38.16	38.16

802.11be (EHT80) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
39	6145	77.52	77.28	77.04	77.28
55	6225	77.28	77.28	77.28	77.28
87	6385	77.28	77.28	77.28	77.28
103	6465	77.28	77.28	77.28	77.28
119	6545	77.28	77.28	77.28	77.28
135	6625	77.28	77.28	77.28	77.28
151	6705	77.28	77.28	77.28	77.76
167	6785	77.28	77.28	77.28	77.28
183	6865	77.28	77.28	77.28	77.28
199	6945	77.28	77.28	77.28	77.28
215	7025	77.28	77.28	77.28	77.28

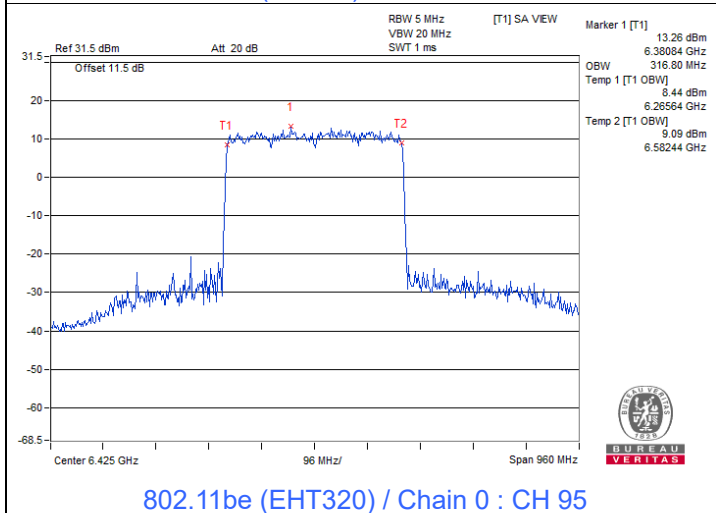
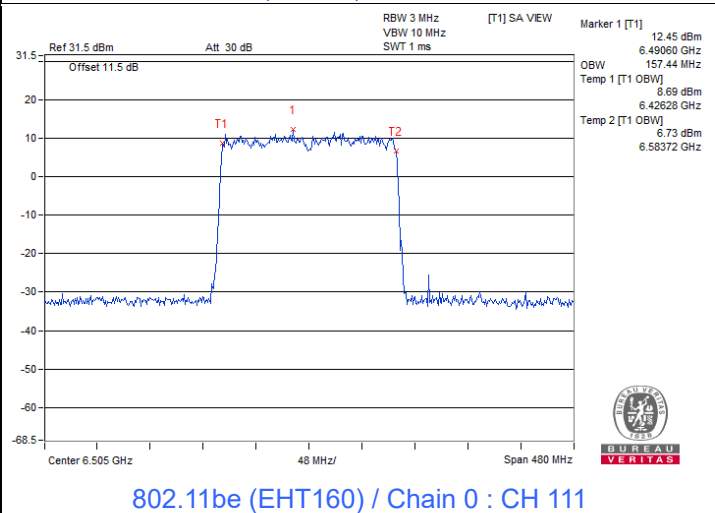
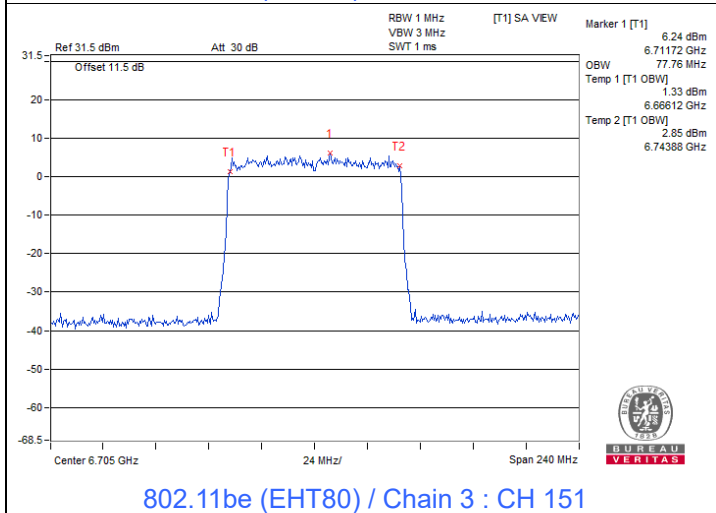
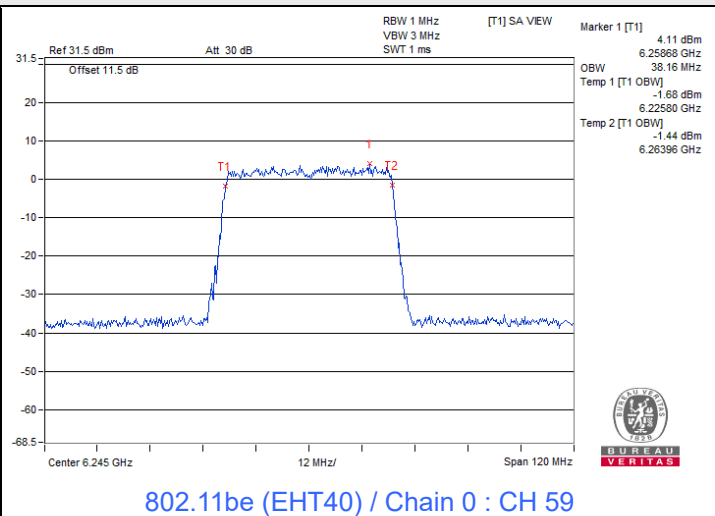
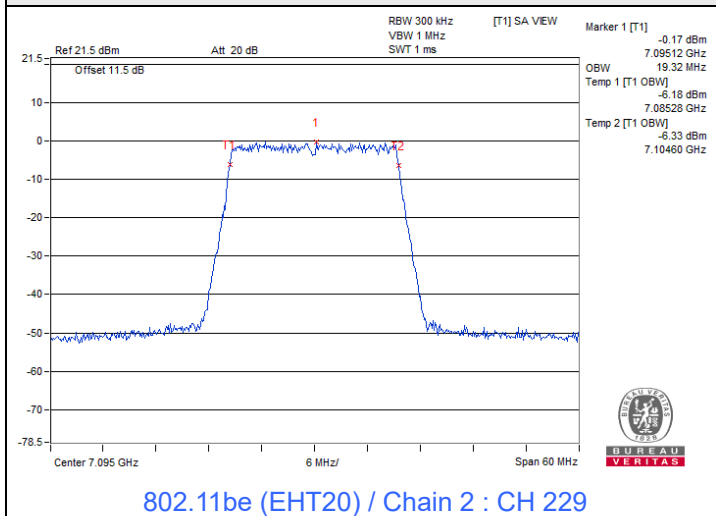
802.11be (EHT160) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
47	6185	156.96	156.48	156.96	156.96
79	6345	156.48	156.48	156.48	156.48
111	6505	157.44	156.48	156.48	156.48
143	6665	157.44	156.48	156.48	157.44
175	6825	156.48	157.44	156.48	157.44
207	6985	156.48	156.48	156.48	156.48

802.11be (EHT320)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
63	6265	314.88	314.88	315.84	315.84
95	6425	316.80	316.80	316.80	314.88
127	6585	316.80	316.80	316.80	316.80
159	6745	314.88	316.80	316.80	316.80
191	6905	316.80	316.80	316.80	316.80

Spectrum Plot of Maximum Value



Beamforming (4T4S)

802.11be (EHT20) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
33	6115	19.14	19.20	19.14	19.20
61	6255	19.08	19.32	19.08	19.08
93	6415	19.08	19.20	19.08	19.32
97	6435	19.20	19.08	19.08	19.20
105	6475	19.08	19.08	19.32	19.08
113	6515	19.08	19.20	19.08	19.08
117	6535	19.20	19.08	19.08	19.08
149	6695	19.08	19.08	19.20	19.20
181	6855	19.20	19.08	19.08	19.08
185	6875	19.20	19.08	19.08	19.08
209	6995	19.20	19.08	19.08	19.08
229	7095	19.20	19.20	19.08	19.20
233	7115	19.08	19.20	19.08	19.20

802.11be (EHT40) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
35	6125	38.04	38.04	38.04	37.92
59	6245	38.16	37.92	37.92	38.16
91	6405	38.16	38.16	38.16	37.92
99	6445	37.92	37.92	38.16	38.16
107	6485	38.16	37.92	38.16	38.04
115	6525	38.16	38.16	37.92	38.16
123	6565	38.16	38.16	38.16	38.16
155	6725	38.16	37.92	38.16	38.16
179	6845	38.16	37.92	37.92	38.16
187	6885	38.16	38.16	37.92	38.16
211	7005	38.16	38.16	37.92	38.16
227	7085	38.16	38.16	38.16	38.16

802.11be (EHT80) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
39	6145	77.28	77.28	77.28	77.52
55	6225	77.28	77.28	77.28	77.28
87	6385	77.28	77.28	77.76	77.76
103	6465	77.28	77.28	77.28	77.28
119	6545	77.28	77.76	77.28	77.28
135	6625	77.28	77.28	77.28	77.28
151	6705	77.28	77.28	77.28	77.28
167	6785	77.28	77.28	77.28	77.28
183	6865	77.28	77.28	77.28	77.28
199	6945	77.28	77.28	77.28	77.28
215	7025	77.28	77.28	77.28	77.76

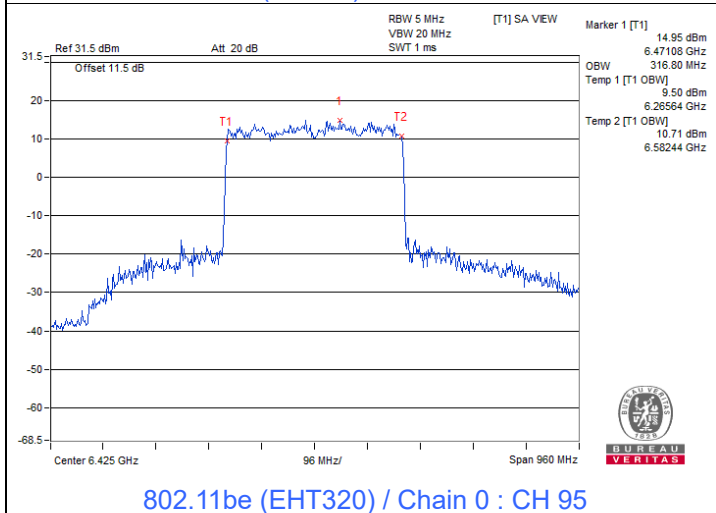
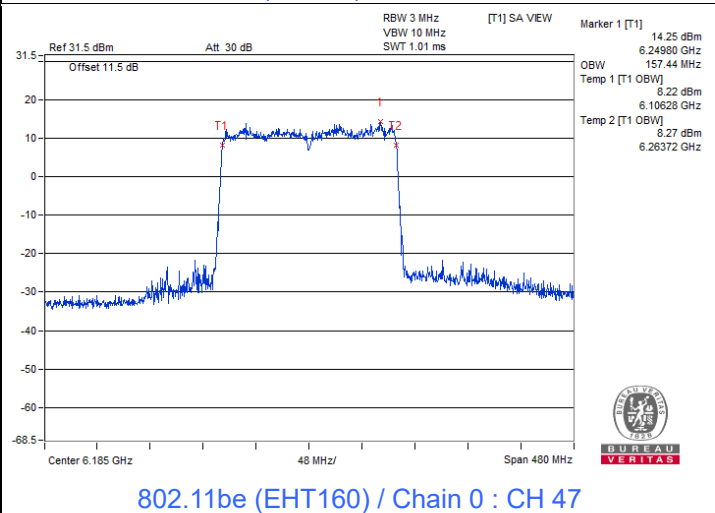
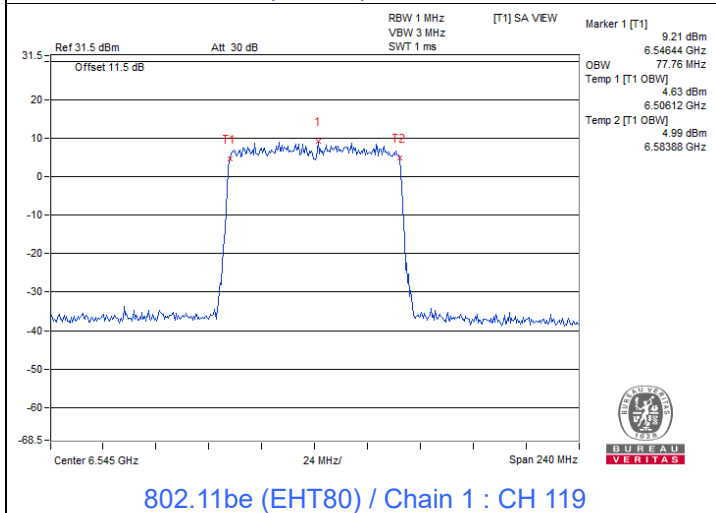
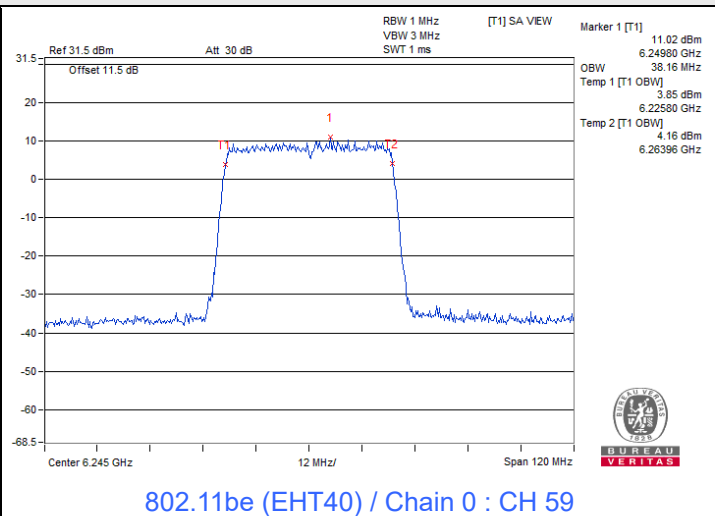
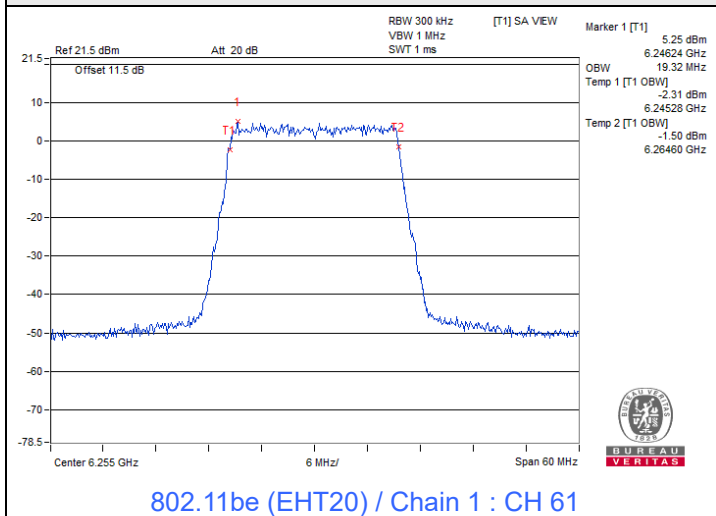
802.11be (EHT160) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
47	6185	157.44	156.96	156.48	156.48
79	6345	157.44	156.48	156.48	156.96
111	6505	156.48	156.48	156.48	157.44
143	6665	156.48	157.44	156.48	156.48
175	6825	157.44	157.44	156.48	156.48
207	6985	157.44	156.48	157.44	157.44

802.11be (EHT320) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
63	6265	315.84	314.88	314.88	314.88
95	6425	316.80	316.80	316.80	314.88
127	6585	316.80	316.80	316.80	316.80
159	6745	314.88	316.80	314.88	316.80
191	6905	314.88	316.80	316.80	314.88

Spectrum Plot of Maximum Value



7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang, Wayne Lin
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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	6115.0197	Pass	6115.0209	Pass	6115.0203	Pass	6115.0238	Pass
30	120	6114.969	Pass	6114.9714	Pass	6114.9675	Pass	6114.9668	Pass
20	120	6115.0185	Pass	6115.0196	Pass	6115.0196	Pass	6115.0194	Pass
10	120	6115.0096	Pass	6115.0087	Pass	6115.0096	Pass	6115.0132	Pass
0	120	6114.9809	Pass	6114.9828	Pass	6114.9832	Pass	6114.9835	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	6115.0207	Pass	6115.0164	Pass	6115.0155	Pass	6115.0197	Pass
	120	6115.0185	Pass	6115.0196	Pass	6115.0196	Pass	6115.0194	Pass
	102	6115.0173	Pass	6115.0197	Pass	6115.0169	Pass	6115.0175	Pass

7.7 Contention-based Protocol

Environmental Conditions:	25°C, 60% RH	Tested By:	Stan Shih
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Companion Device Information			
Product	Brand	Model No.	Software/Firmware Version
NIGHTHAWK BE18000 WiFi 7 Router	NETGEAR	RS600	V1.0.0.27

For U-NII-5

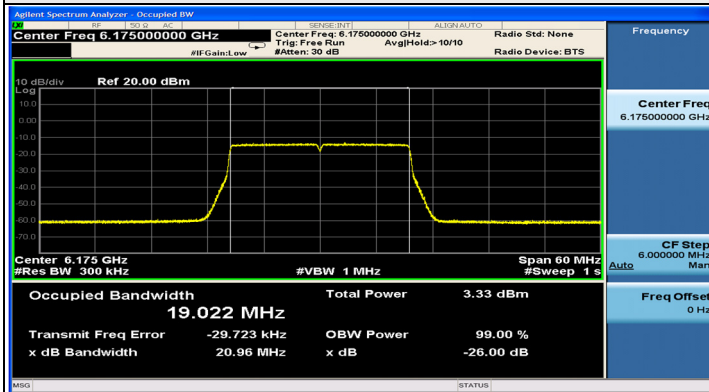
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	45	6175	6175	-65	2.13	0	-67.13	-62	OFF
					-68	2.13	0	-70.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON
	320	63	6265	6110	-65	2.13	0	-67.13	-62	OFF
					-68	2.13	0	-70.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON
				6265	-62	2.13	0	-64.13	-62	OFF
					-65	2.13	0	-67.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON
				6420	-65	2.13	0	-67.13	-62	OFF
					-68	2.13	0	-70.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON

Notes:

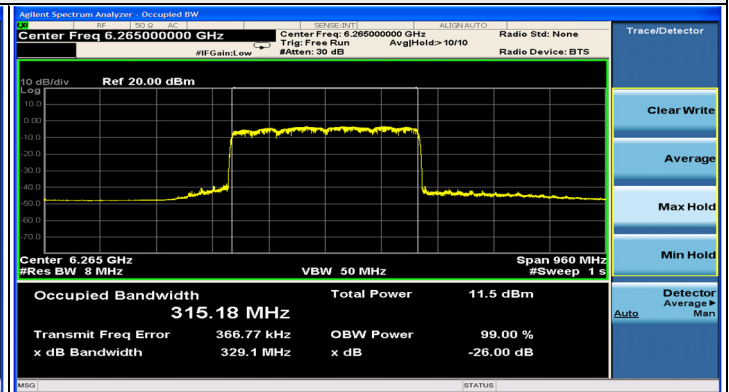
1. After investigation (consider antenna gain and path loss) , the one representative port (Ant. 7) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

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
802.11be	20	6175	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	320	6110	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6265	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6420	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

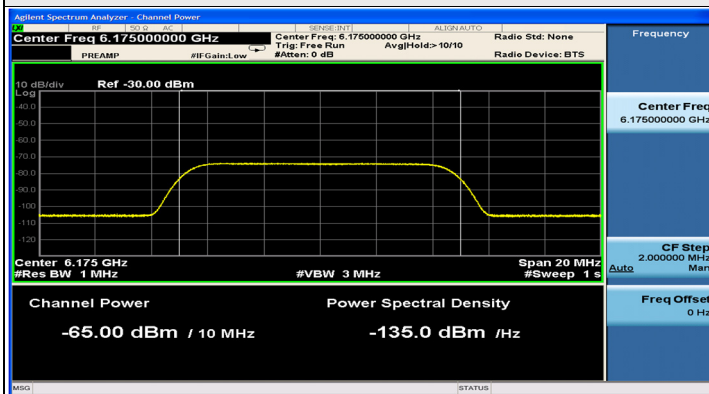


802.11be (EHT20) / CH45

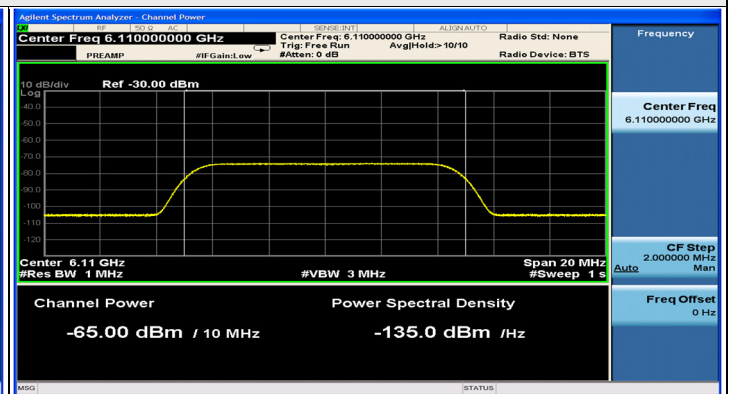


802.11be (EHT320) / CH63

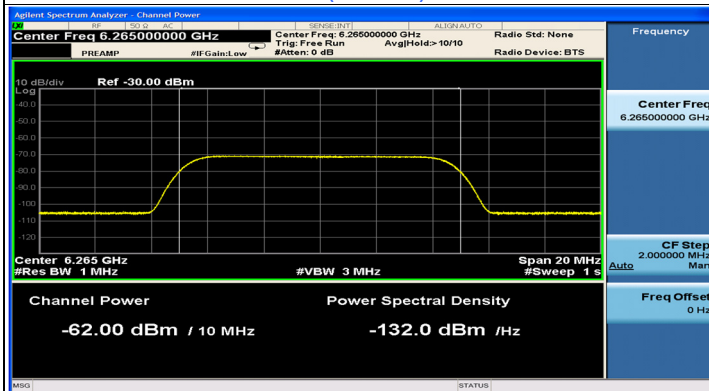
Plots of Injected signal (AWGN) level



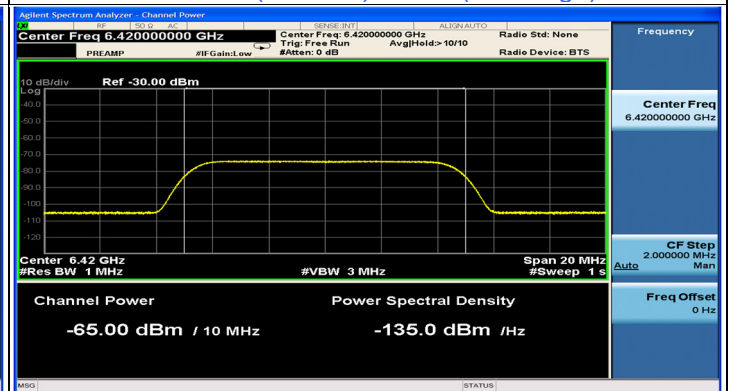
802.11be (EHT20) / CH45



802.11be (EHT320) / CH63(Low Edge)

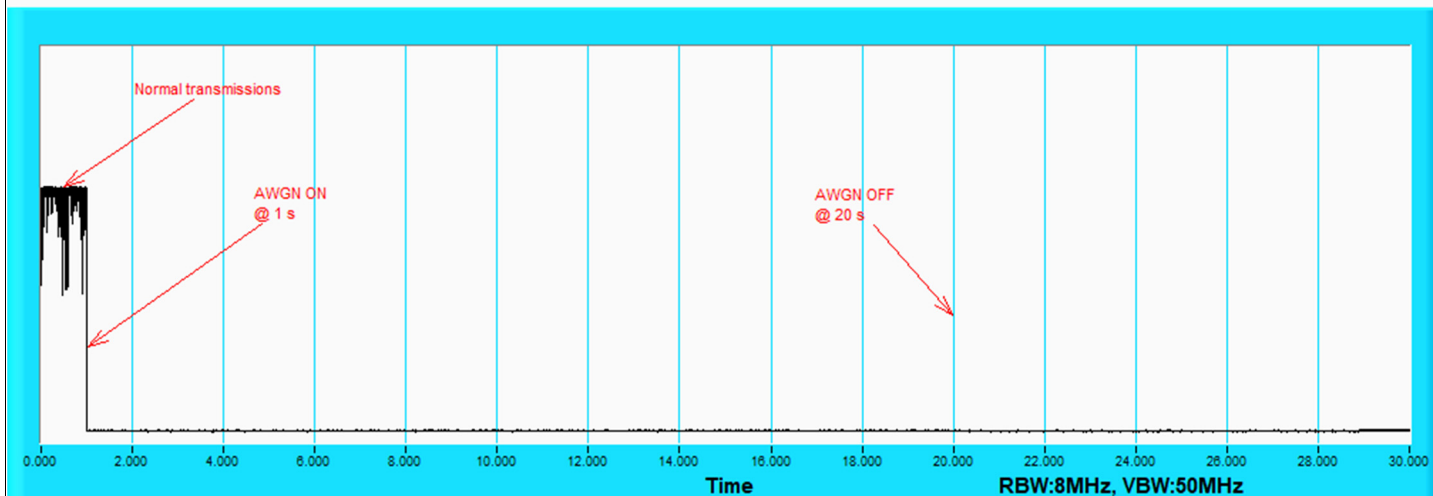


802.11be (EHT320) / CH63(Middle)

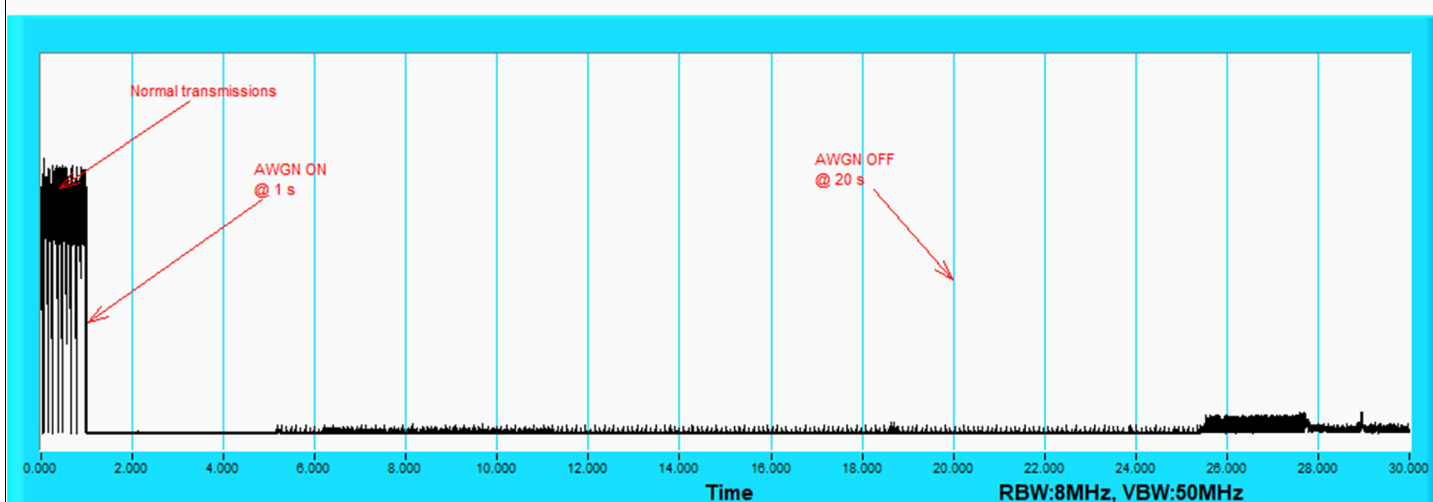


802.11be (EHT320) / CH63(High Edge)

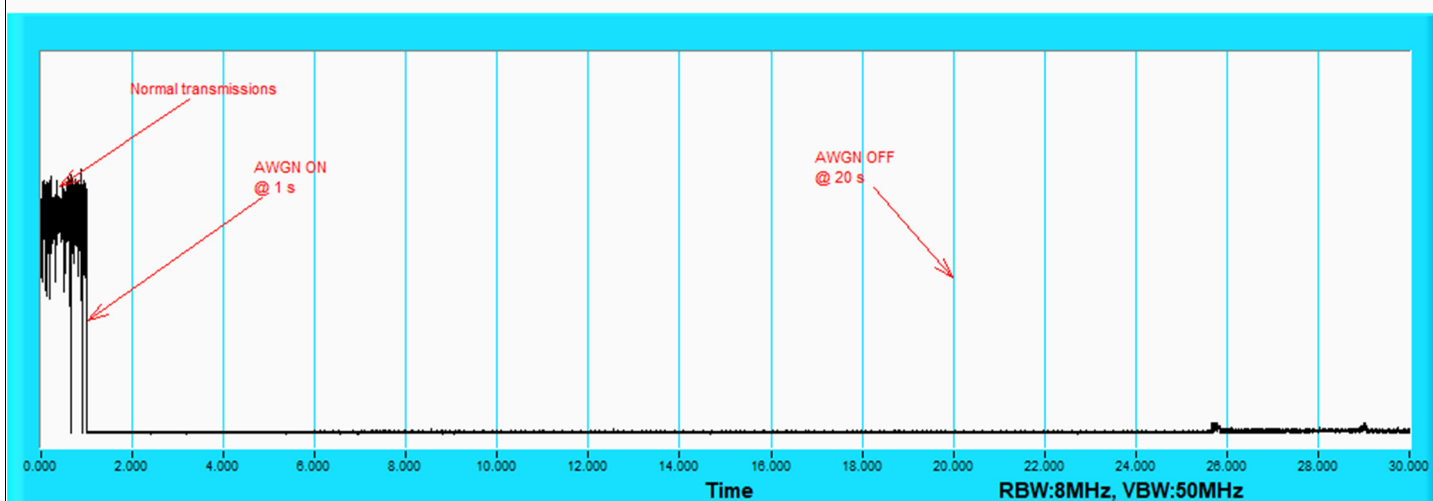
Plots of EUT ceased transmission in the time domain



802.11be (EHT20) / CH45

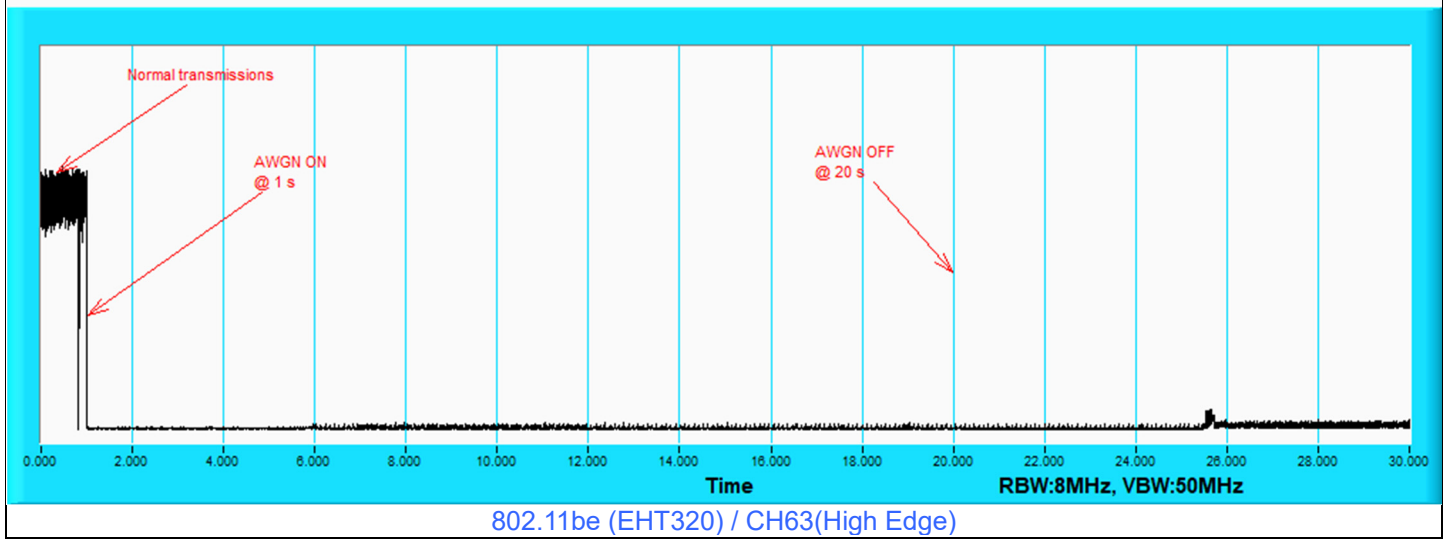


802.11be (EHT320) / CH63(Low Edge)



802.11be (EHT320) / CH63(Middle)

Plots of EUT ceased transmission in the time domain



For U-NII-6

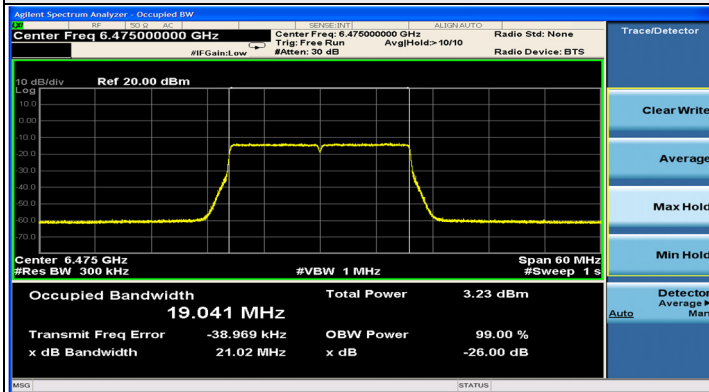
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	105	6475	6475	-65	2.13	0	-67.13	-62	OFF
					-69	2.13	0	-71.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON
	320	95	6425	6270	-63	2.13	0	-65.13	-62	OFF
					-64	2.13	0	-66.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON
				6425	-62	2.13	0	-64.13	-62	OFF
					-65	2.13	0	-67.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON
				6580	-62	2.13	0	-64.13	-62	OFF
					-64	2.13	0	-66.13	-62	Minimal
					-79.87	2.13	0	-82	-62	ON

Notes:

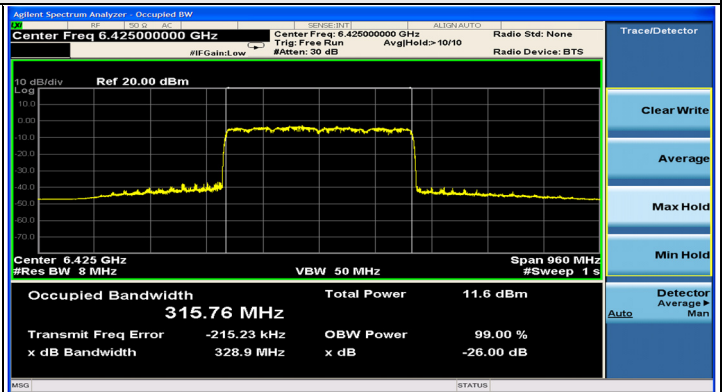
1. After investigation (consider antenna gain and path loss) , the one representative port (Ant. 7) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

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
802.11be	20	6475	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	320	6270	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6425	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6580	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

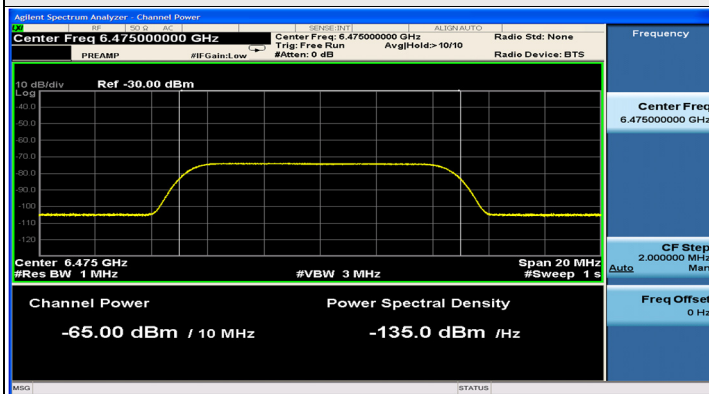


802.11be (EHT20) / CH105

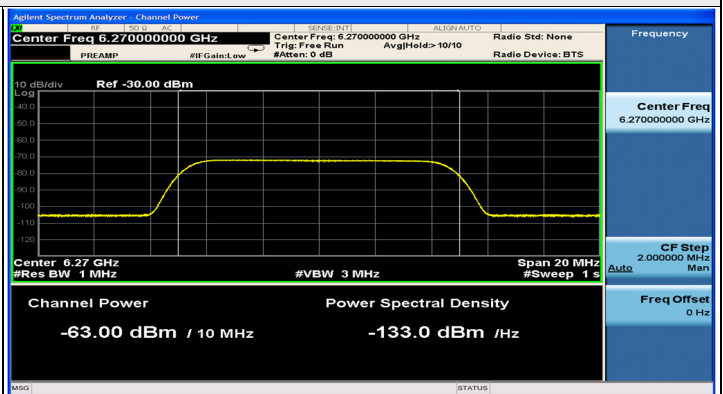


802.11be (EHT320) / CH95

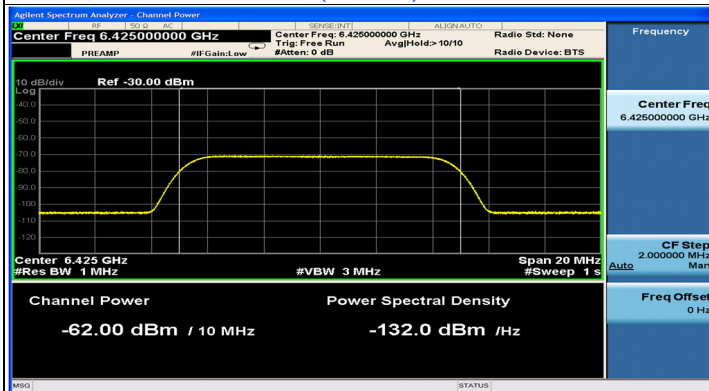
Plots of Injected signal (AWGN) level



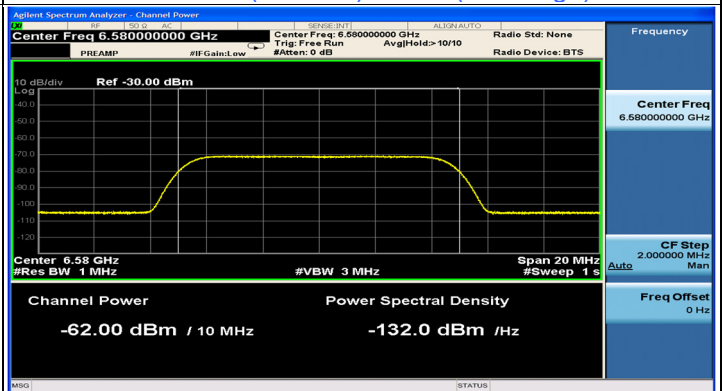
802.11be (EHT20) / CH105



802.11be (EHT320) / CH95(Low Edge)



802.11be (EHT320) / CH95(Middle)



802.11be (EHT320) / CH95(High Edge)