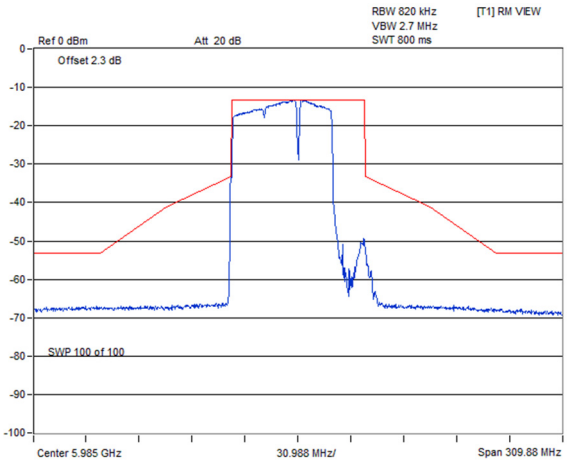
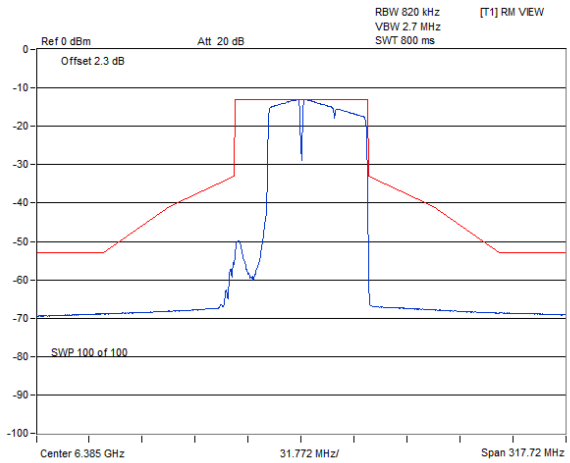
802.11be (EHT80) 484+242-tone MRU 2S2T

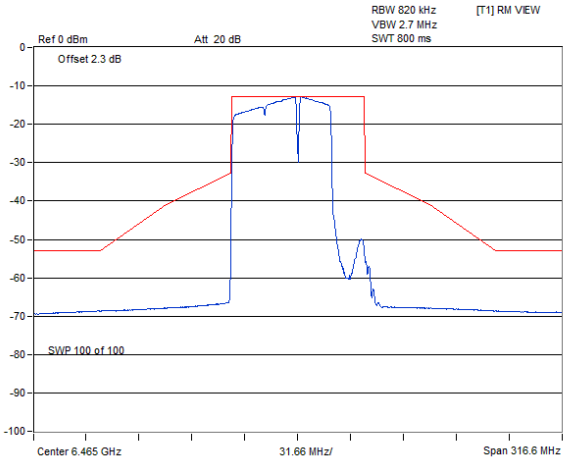
Spectrum Plot



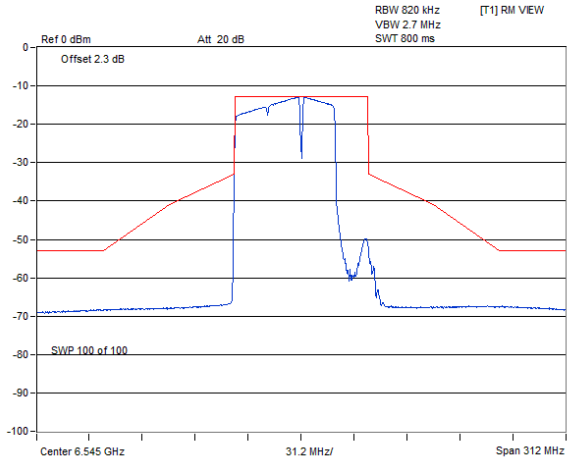
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 7



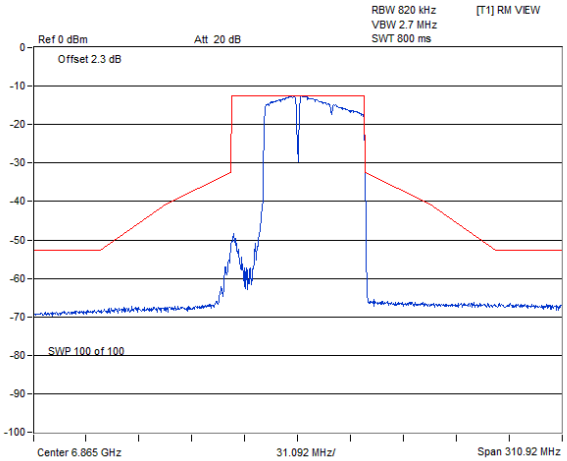
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 87



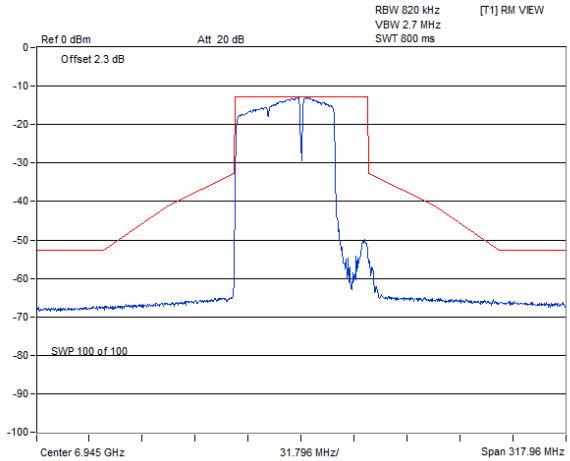
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 103



802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 119

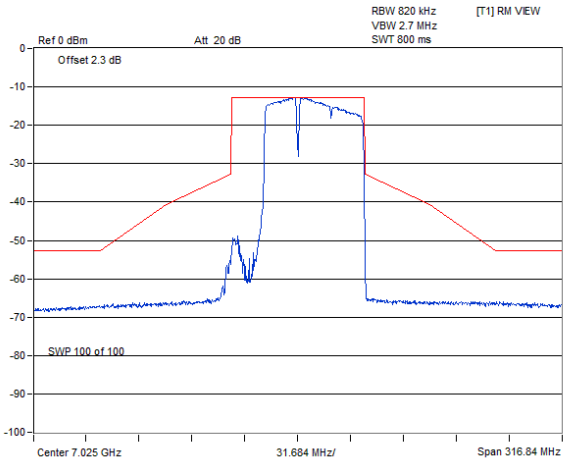


802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 183

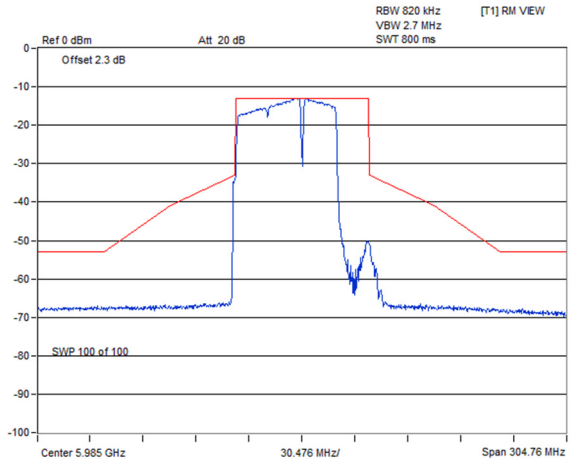


802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 199

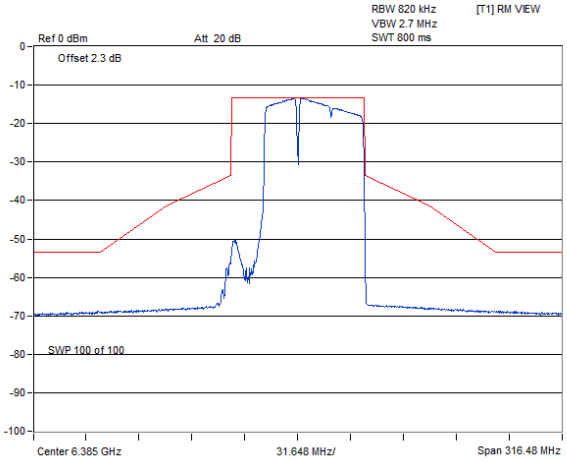
Spectrum Plot



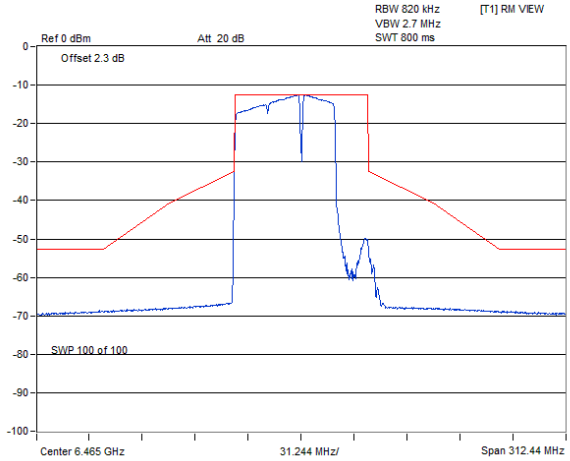
802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 215



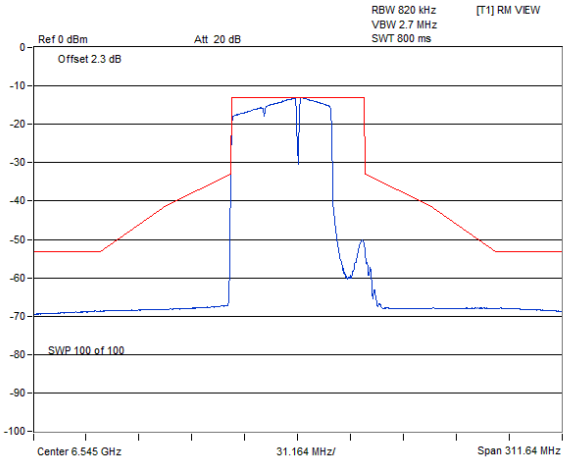
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 7



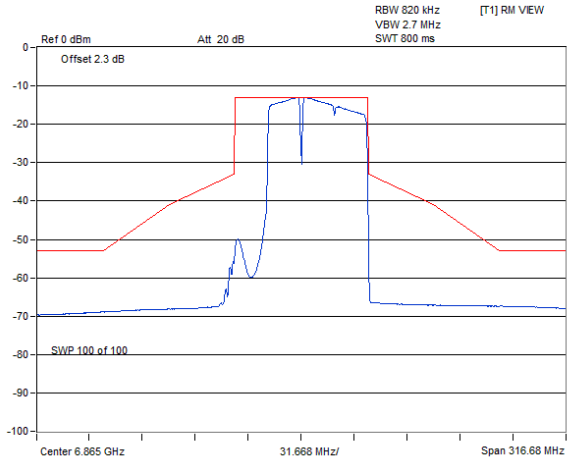
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 87



802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 103

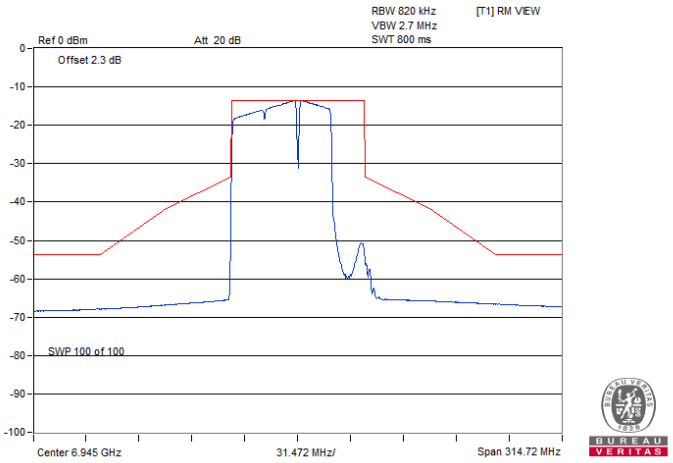


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 119

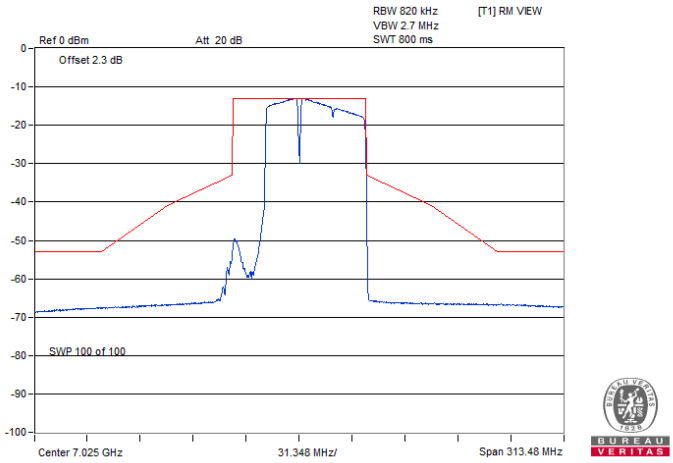


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 183

Spectrum Plot



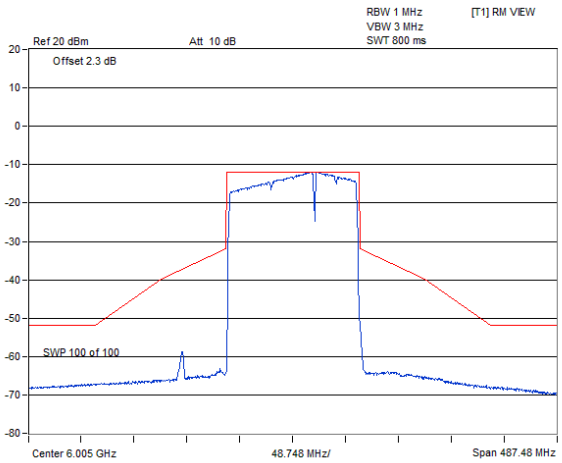
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 199



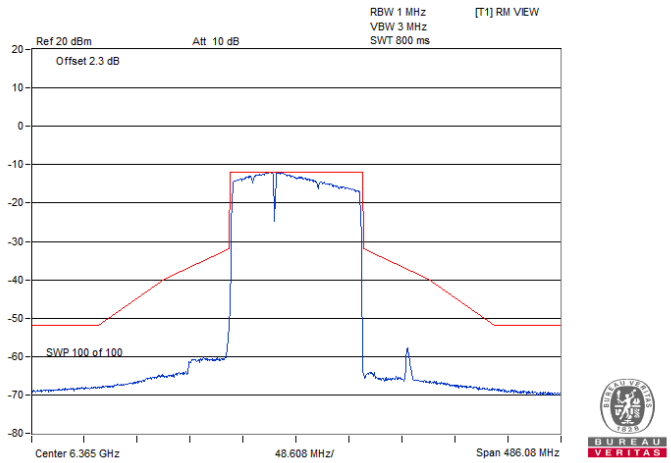
802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 215

802.11be (EHT160) 996+484-tone MRU 2S2T

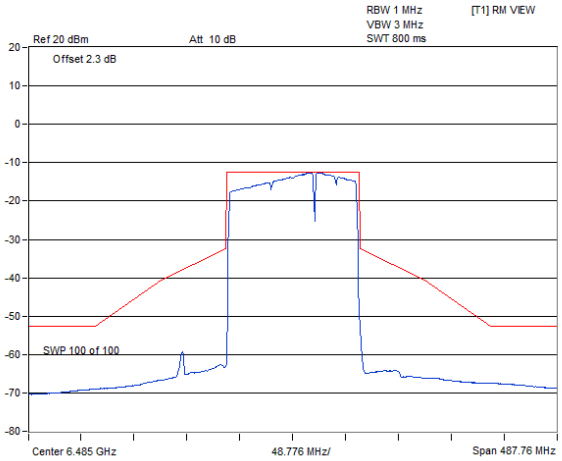
Spectrum Plot



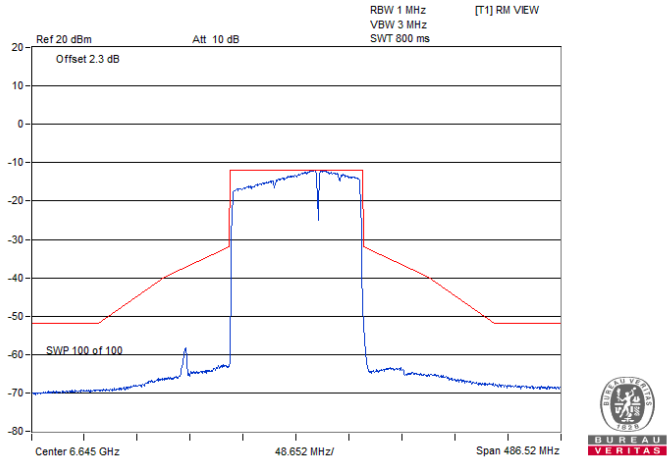
802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 15



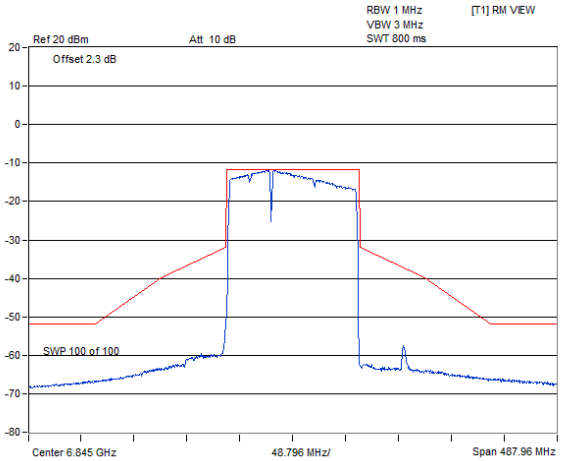
802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 79



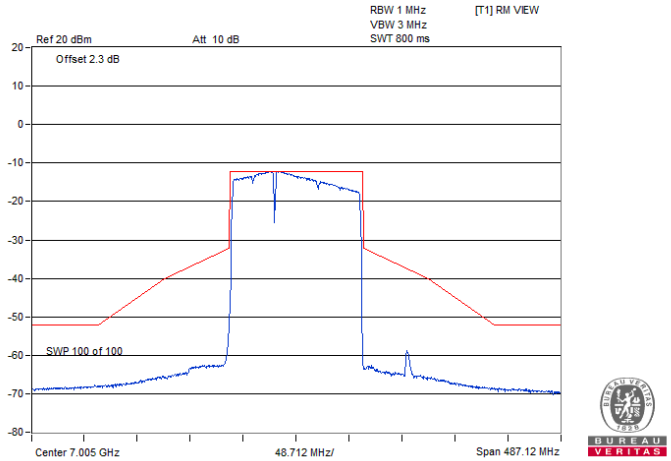
802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 111



802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 143

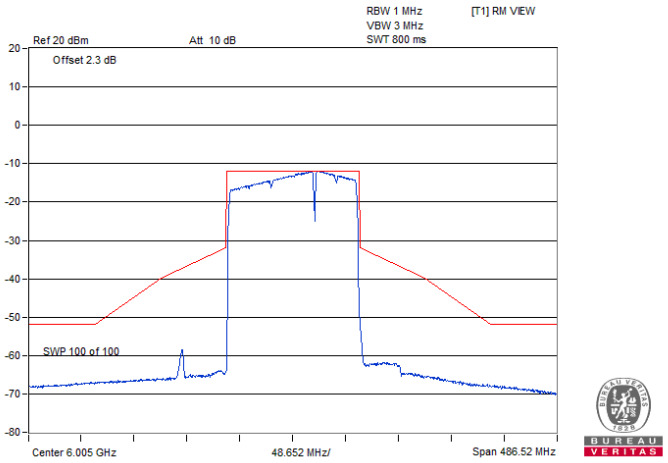


802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 175

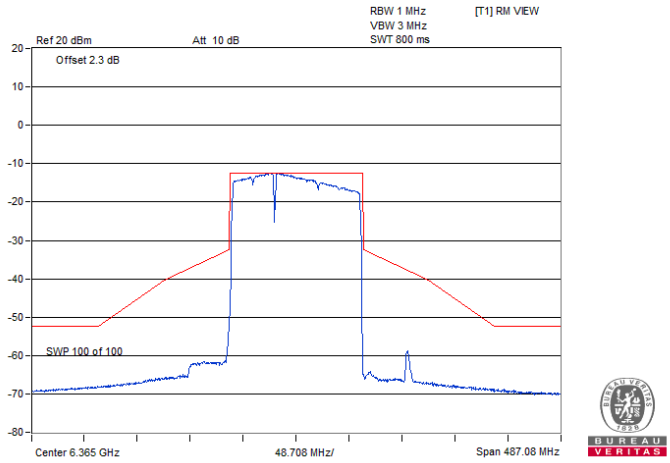


802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 207

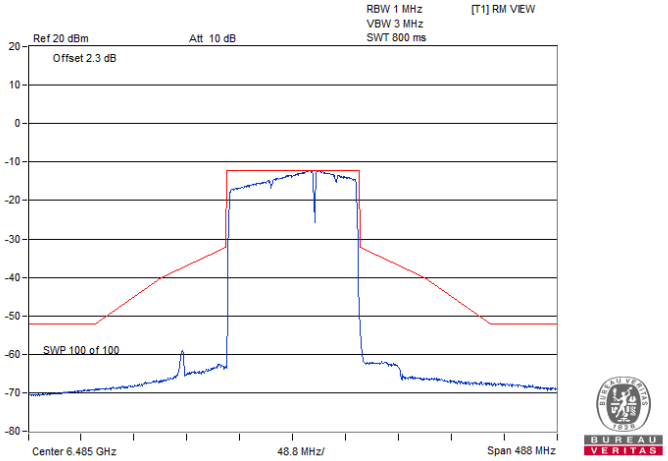
Spectrum Plot



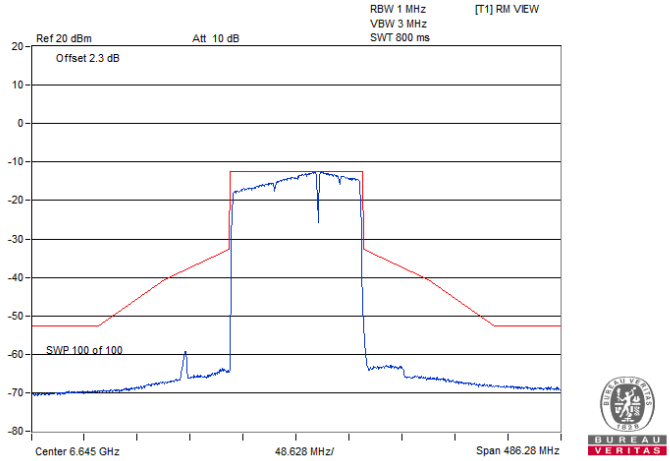
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 15



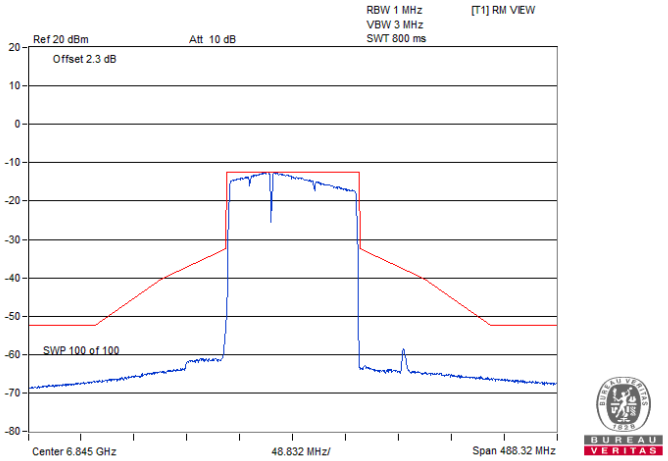
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 79



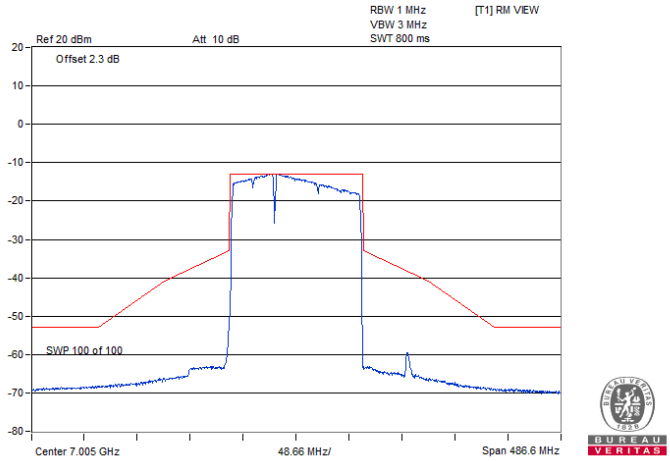
802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 111



802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 143

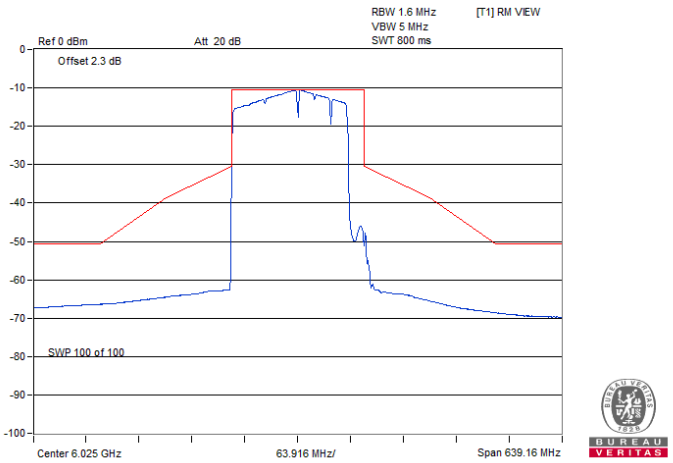
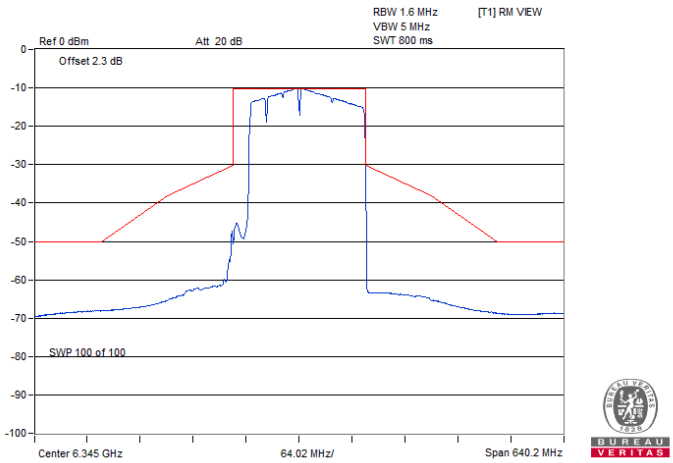
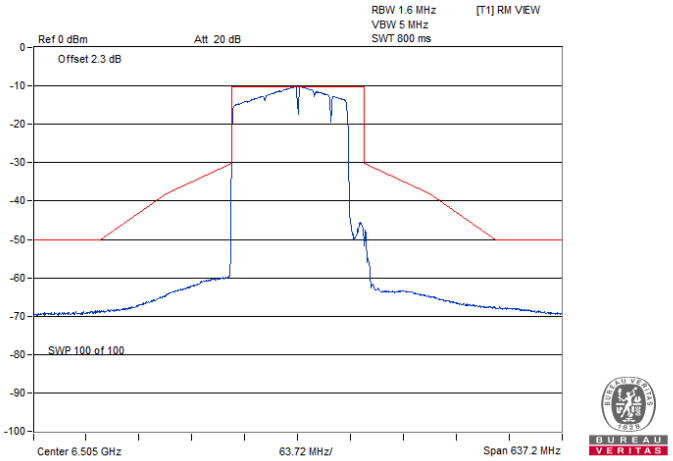
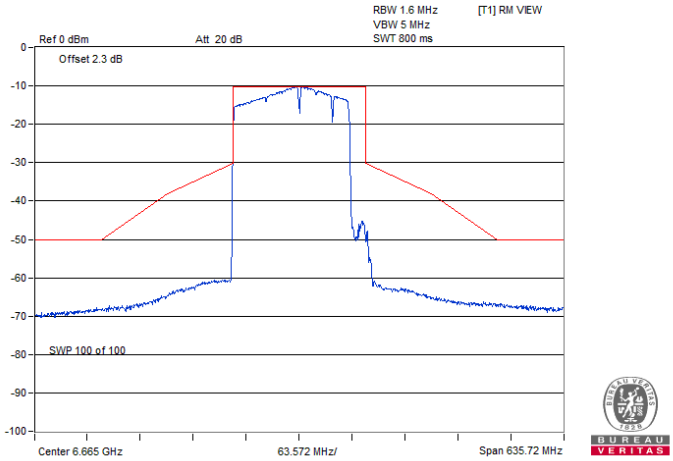
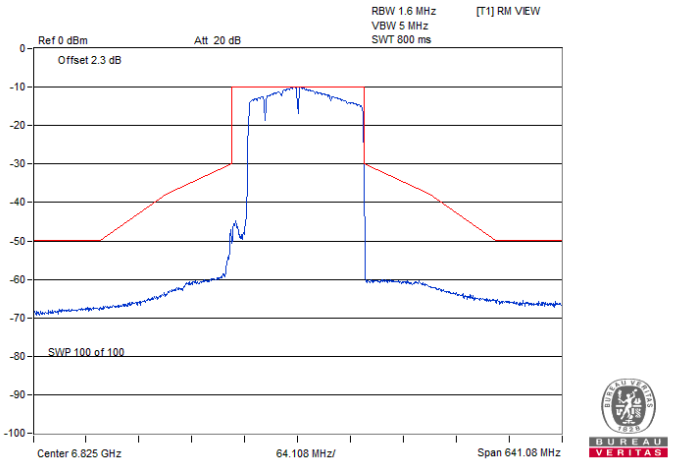
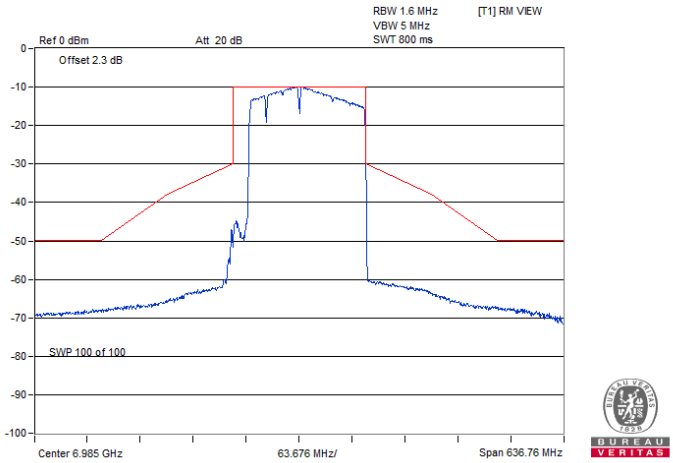


802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 175

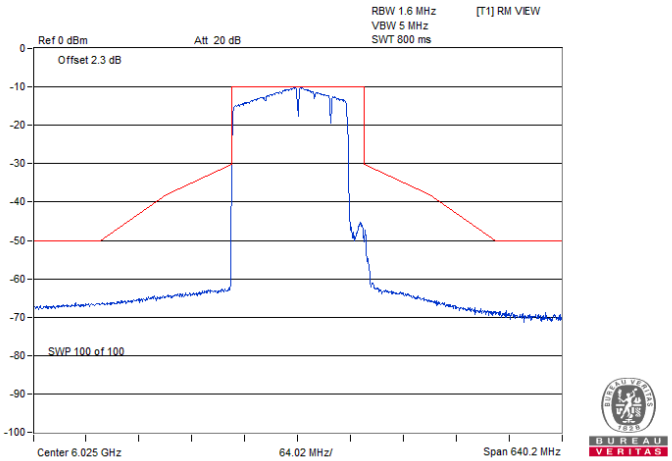


802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 207

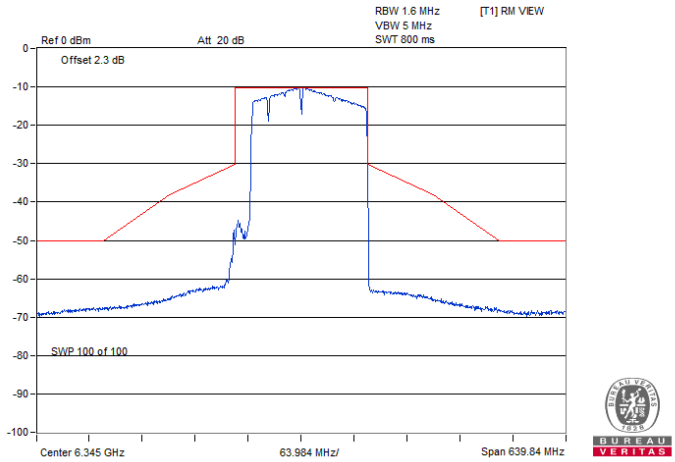
802.11be (EHT160) 996+484+242-tone MRU 2S2T

Spectrum Plot	
	
802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 15	802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 79
	
802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 111	802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 143
	
802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 175	802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 207

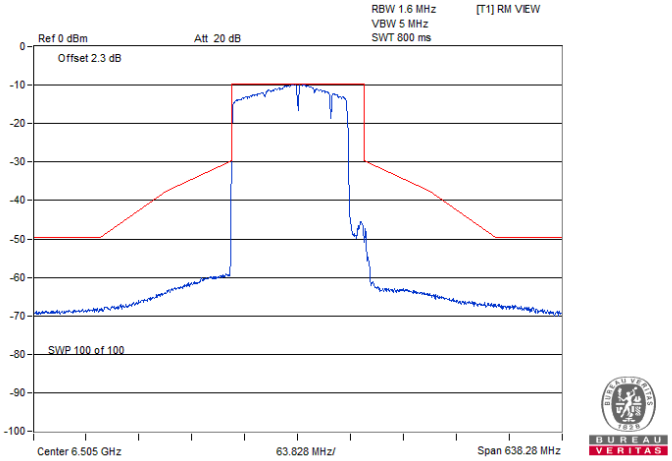
Spectrum Plot



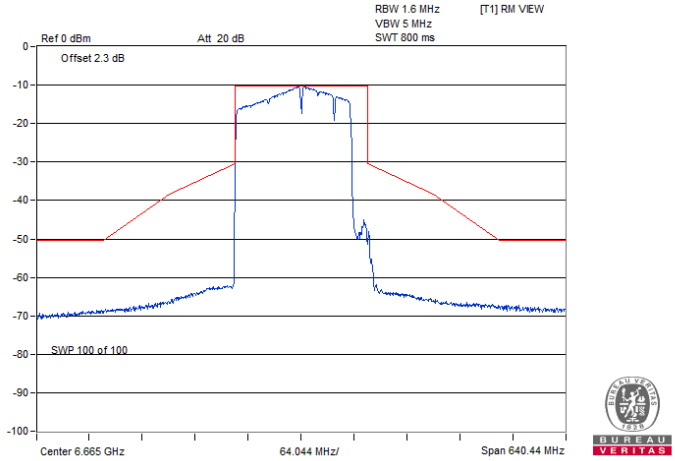
802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 15



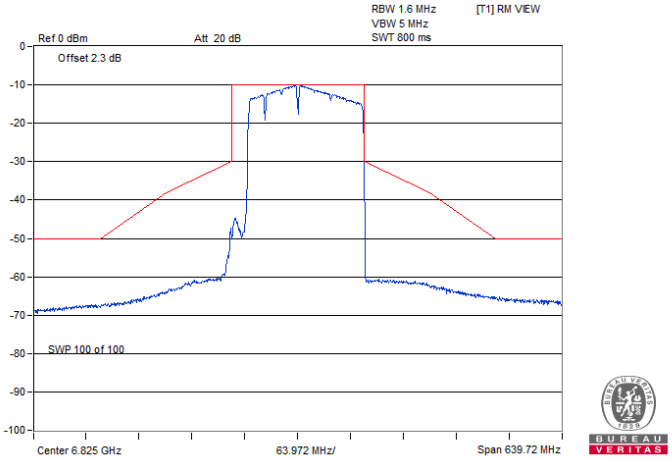
802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 79



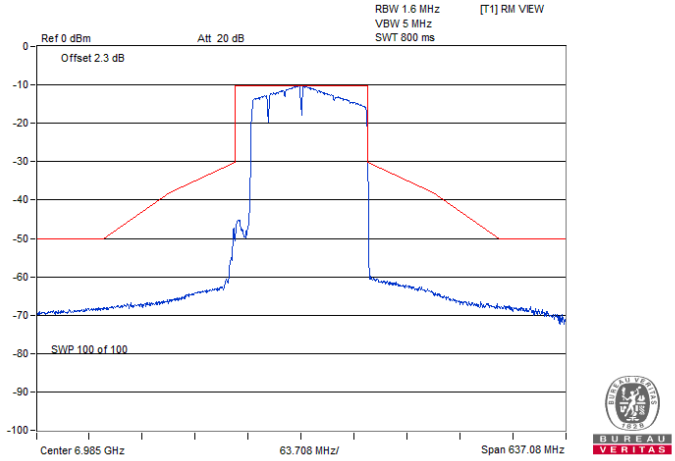
802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 111



802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 143



802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 175

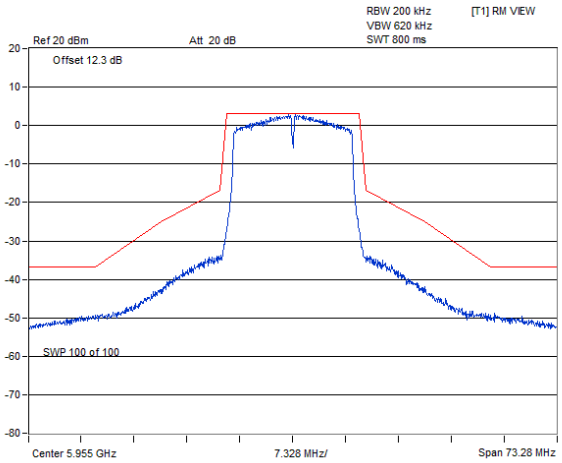
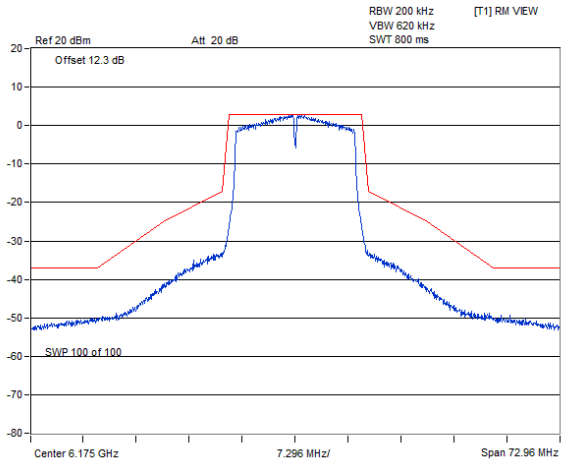
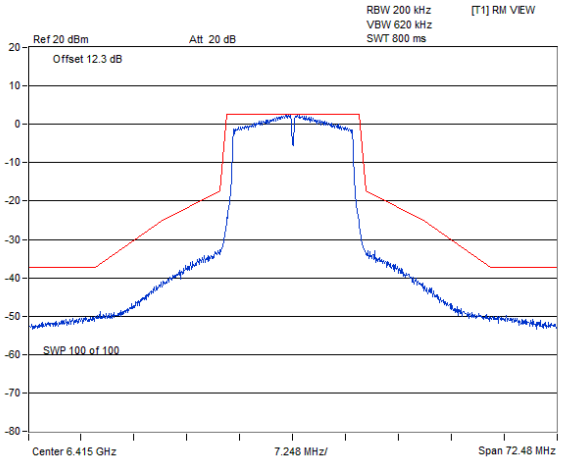
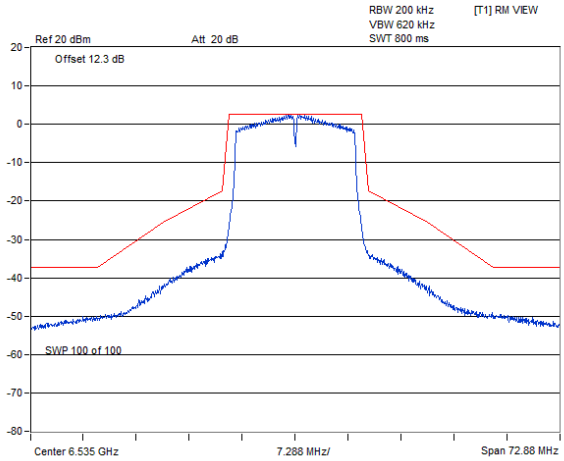
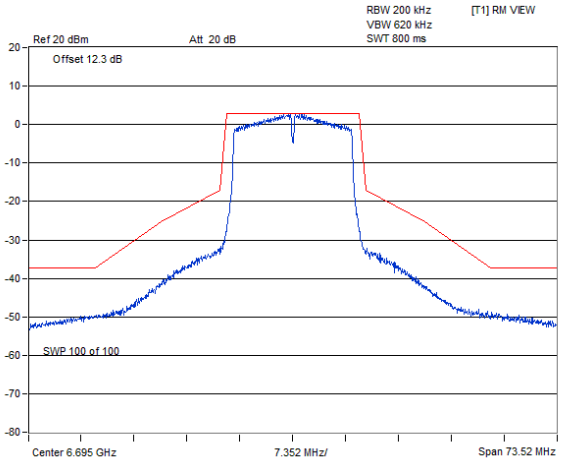
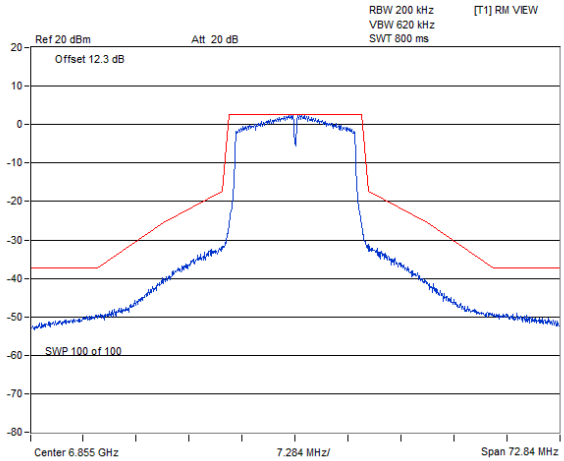


802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 207

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

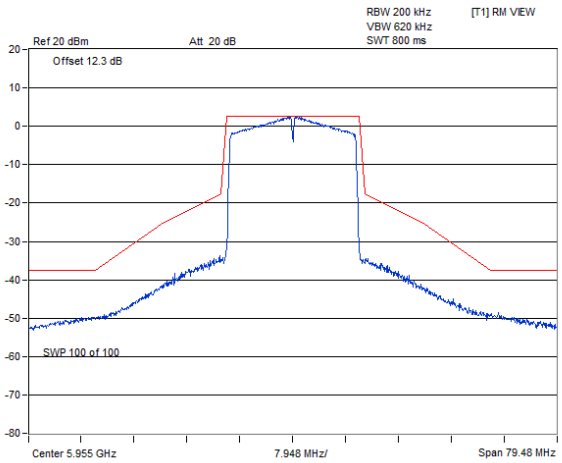
under control of a Standard Power AP

802.11a 1TX

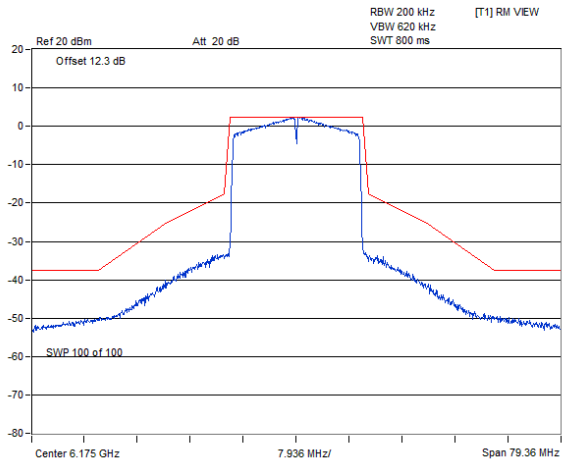
Spectrum Plot	
 802.11a : CH 1	 802.11a : CH 45
 802.11a : CH 93	 802.11a : CH 117
 802.11a : CH 149	 802.11a : CH 181

802.11be (EHT20) 1S1T

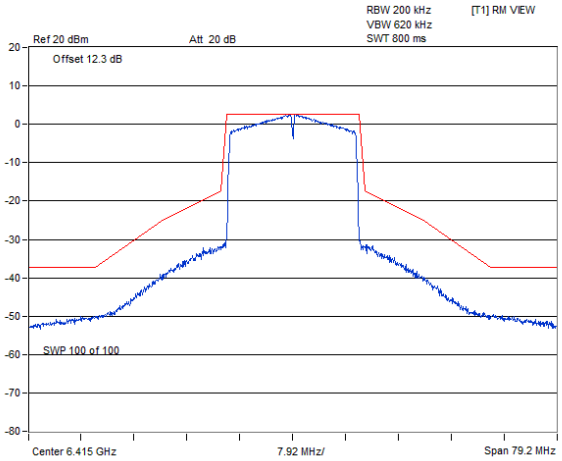
Spectrum Plot



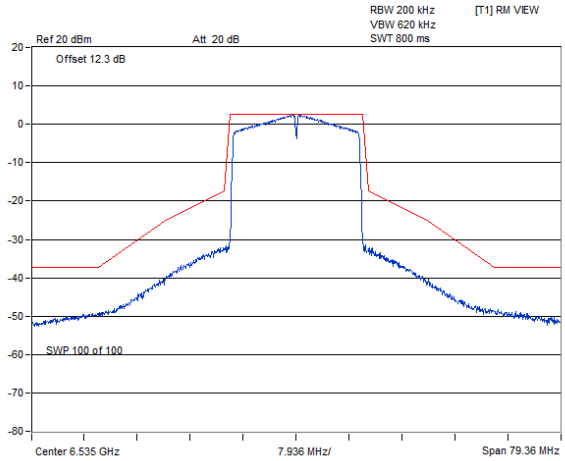
802.11be (EHT20) : CH 1



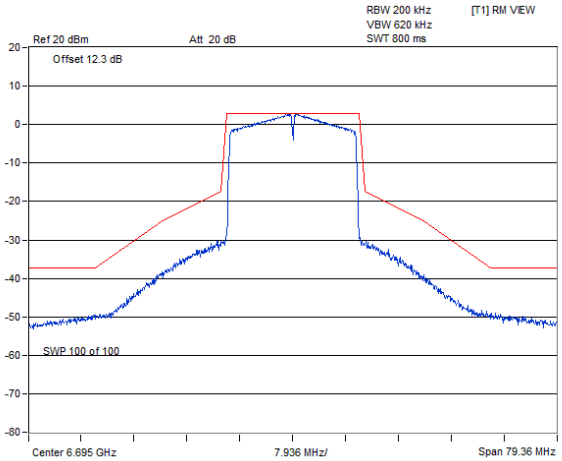
802.11be (EHT20) : CH 45



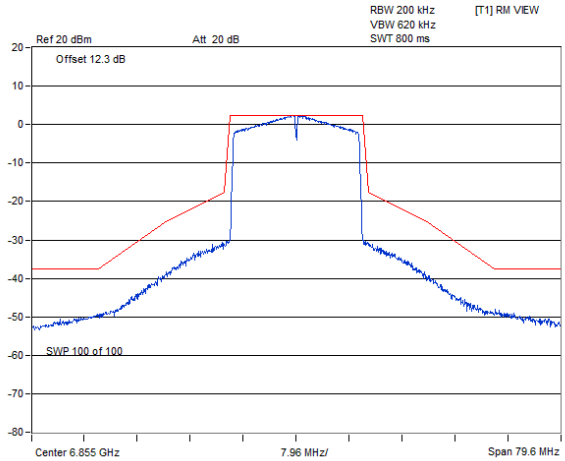
802.11be (EHT20) : CH 93



802.11be (EHT20) : CH 117



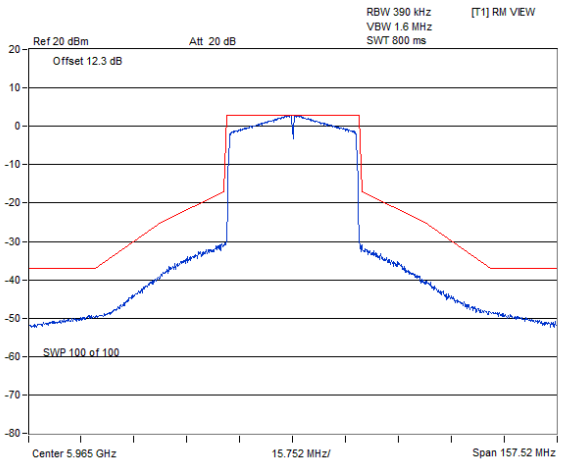
802.11be (EHT20) : CH 149



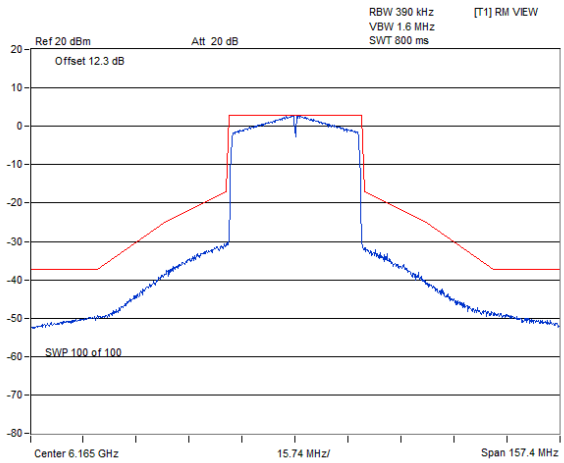
802.11be (EHT20) : CH 181

802.11be (EHT40) 1S1T

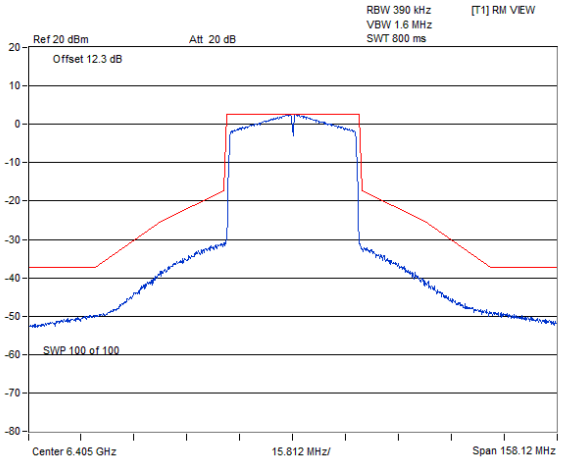
Spectrum Plot



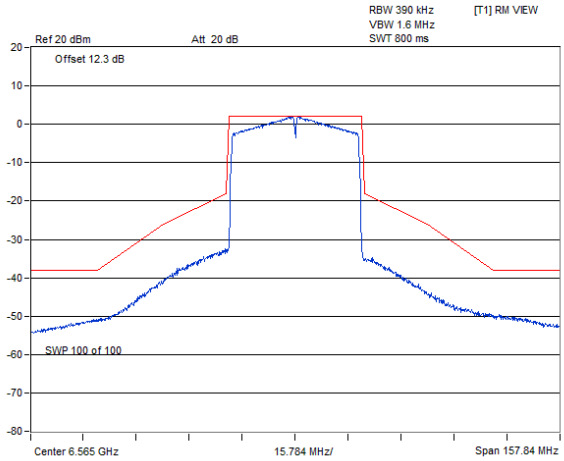
802.11be (EHT40) : CH 3



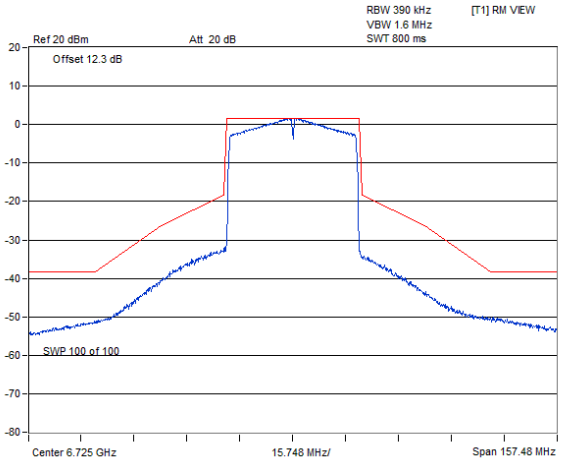
802.11be (EHT40) : CH 43



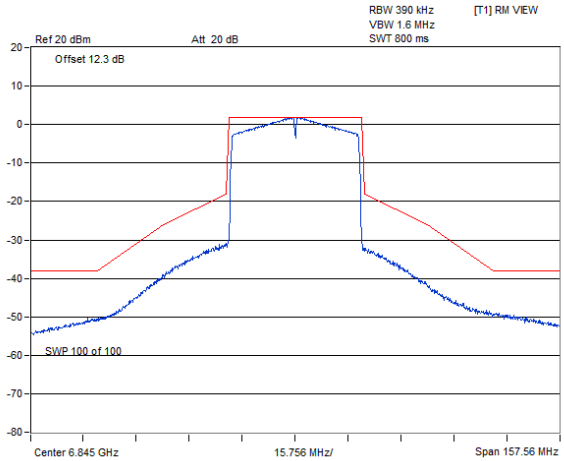
802.11be (EHT40) : CH 91



802.11be (EHT40) : CH 123



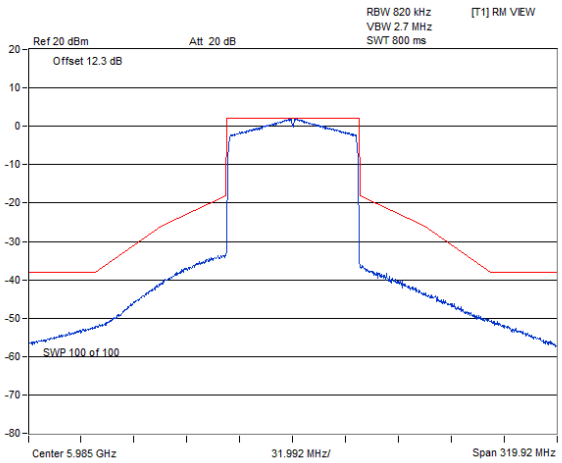
802.11be (EHT40) : CH 155



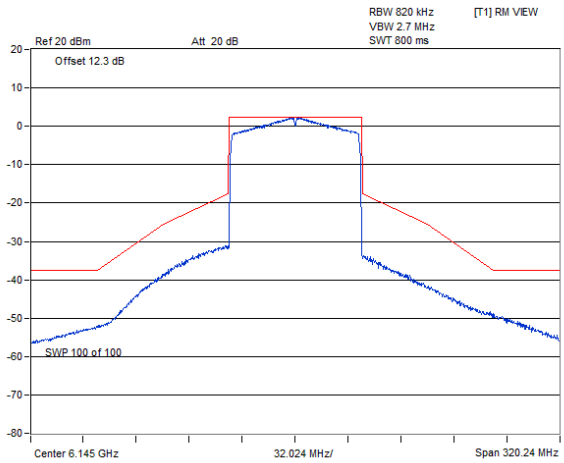
802.11be (EHT40) : CH 179

802.11be (EHT80) 1S1T

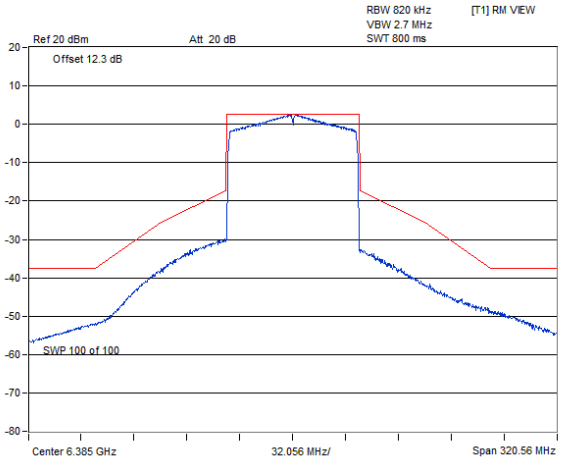
Spectrum Plot



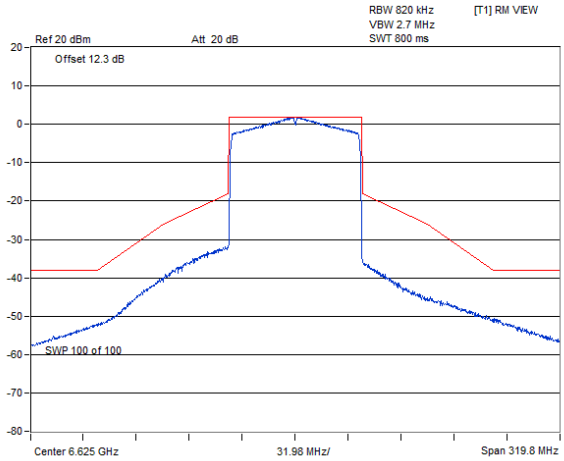
802.11be (EHT80) : CH 7



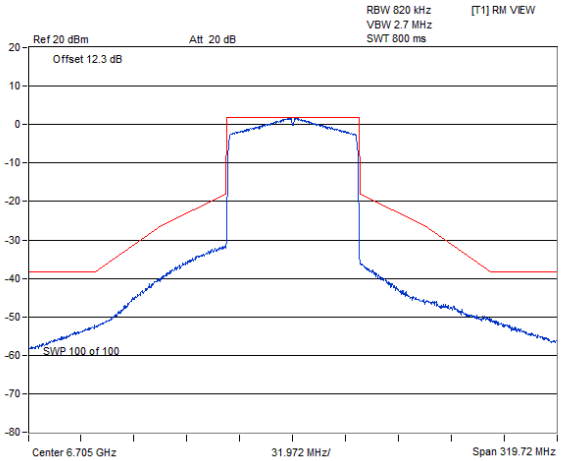
802.11be (EHT80) : CH 39



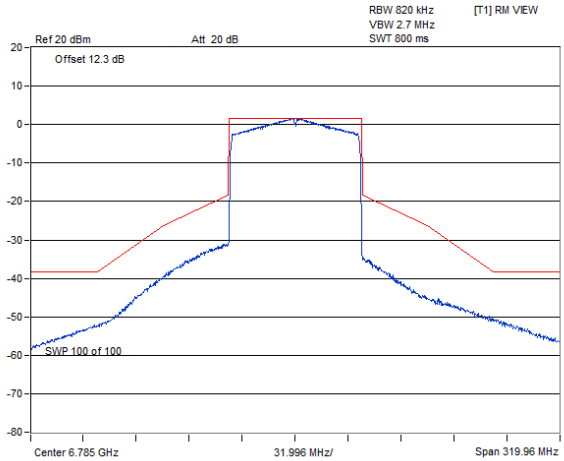
802.11be (EHT80) : CH 87



802.11be (EHT80) : CH 135



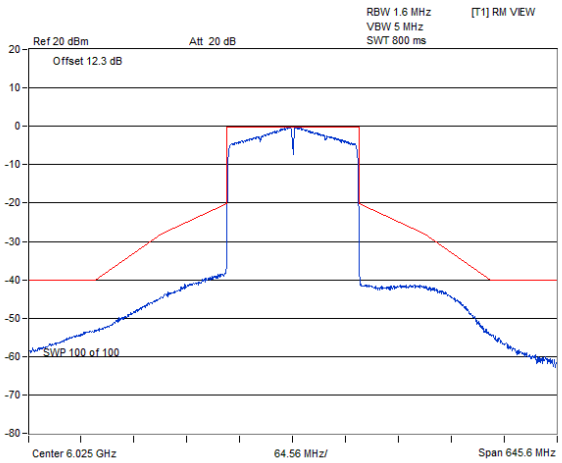
802.11be (EHT80) : CH 151



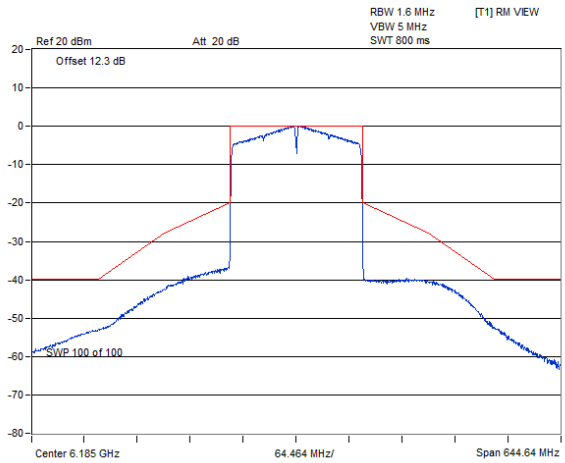
802.11be (EHT80) : CH 167

802.11be (EHT160) 1S1T

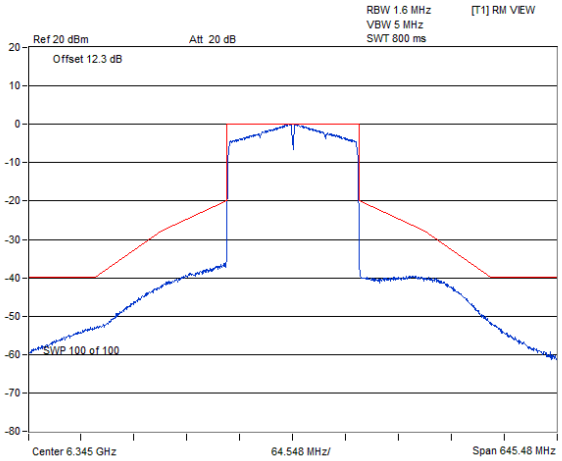
Spectrum Plot



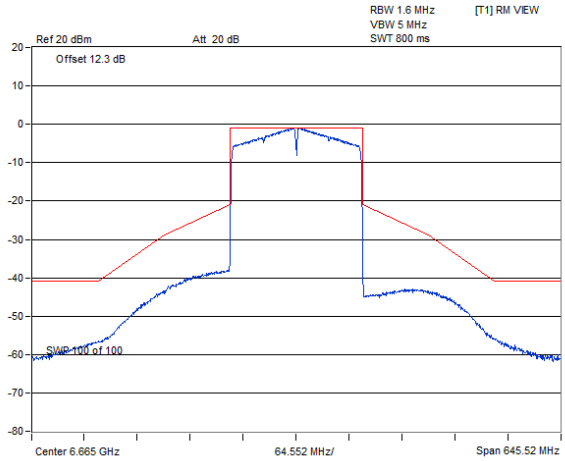
802.11be (EHT160) : CH 15



802.11be (EHT160) : CH 47



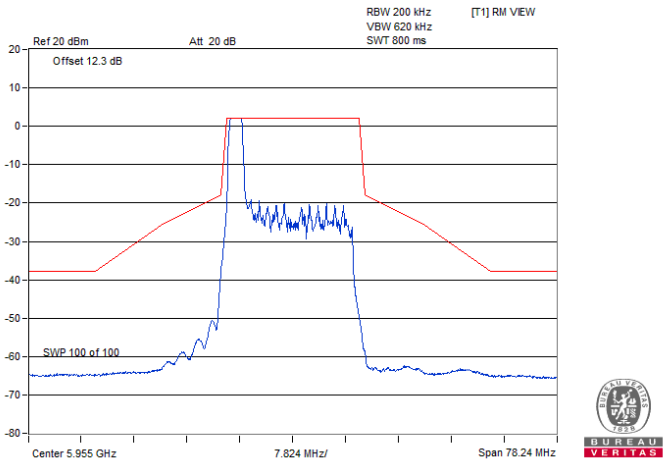
802.11be (EHT160) : CH 79



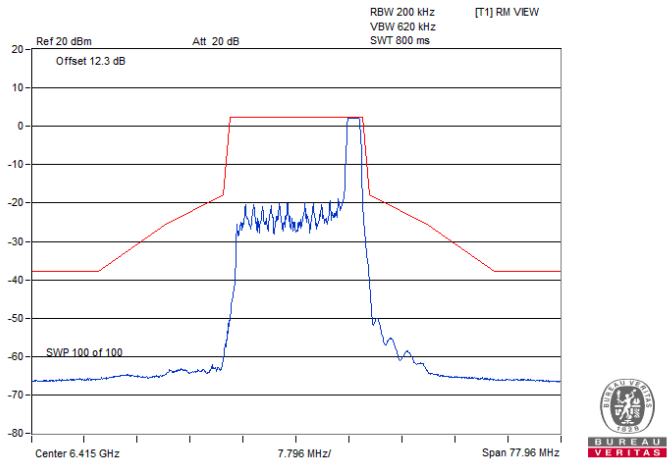
802.11be (EHT160) : CH 143

802.11be (EHT20) 26-tone RU 1S1T

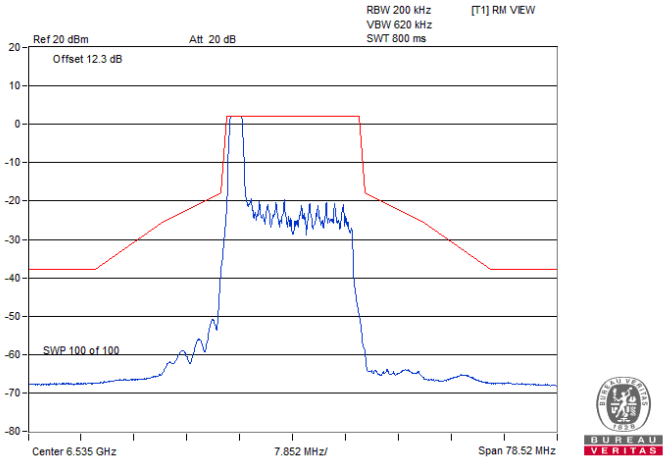
Spectrum Plot



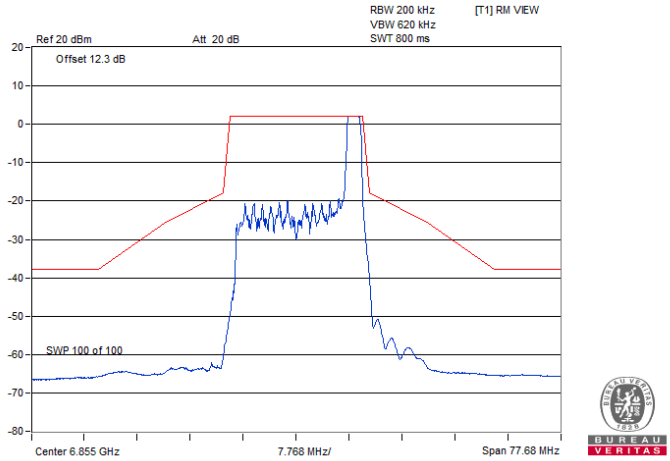
802.11be (EHT20) 26-tone RU : CH 1



802.11be (EHT20) 26-tone RU : CH 93



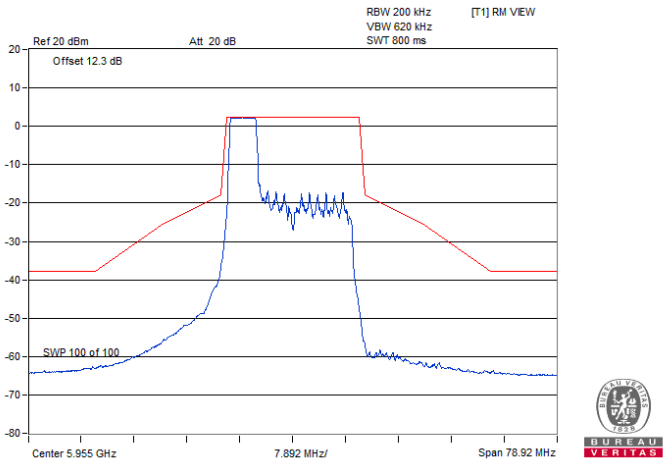
802.11be (EHT20) 26-tone RU : CH 117



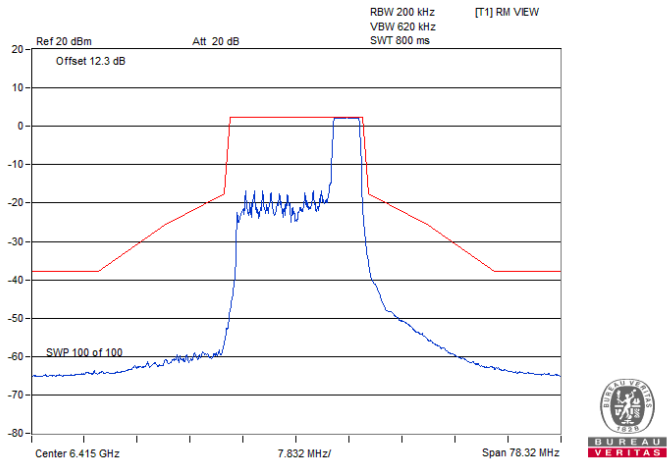
802.11be (EHT20) 26-tone RU : CH 181

802.11be (EHT20) 52-tone RU 1S1T

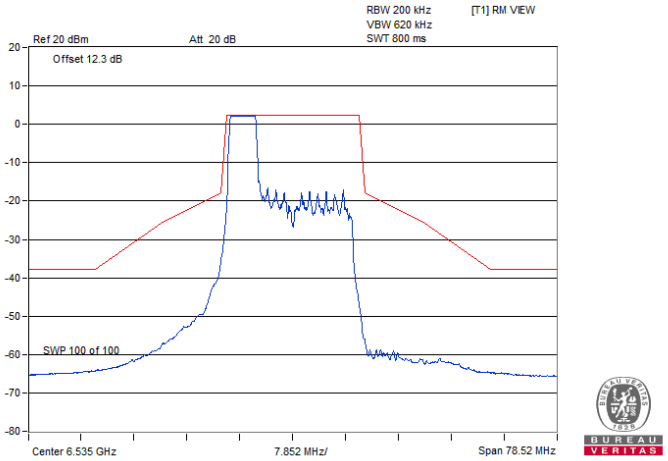
Spectrum Plot



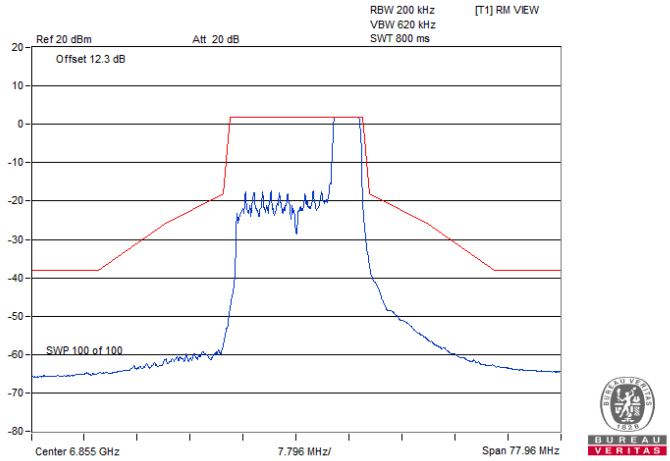
802.11be (EHT20) 52-tone RU : CH 1



802.11be (EHT20) 52-tone RU : CH 93

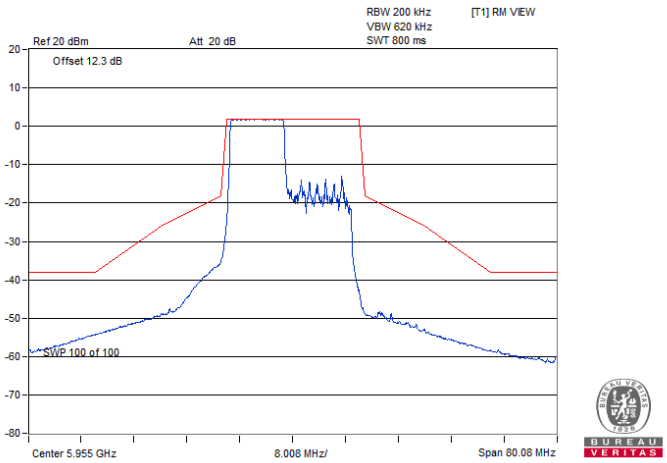
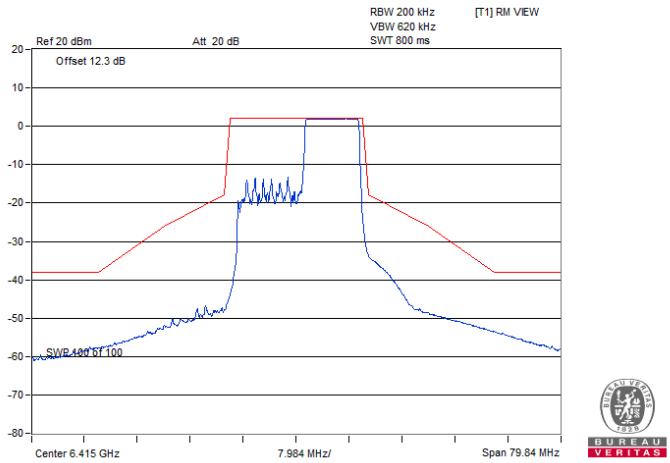
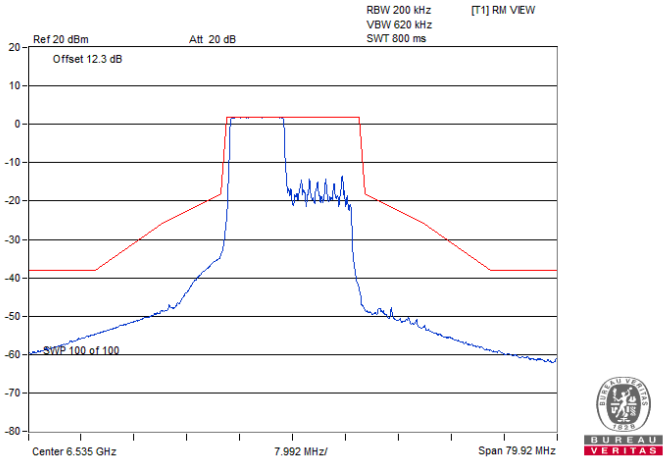
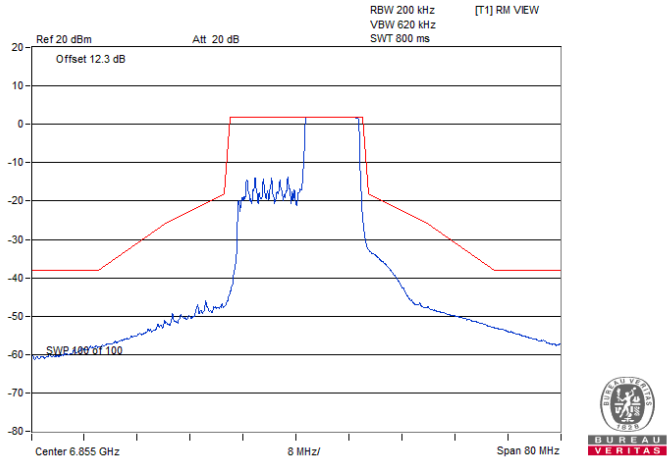


802.11be (EHT20) 52-tone RU : CH 117

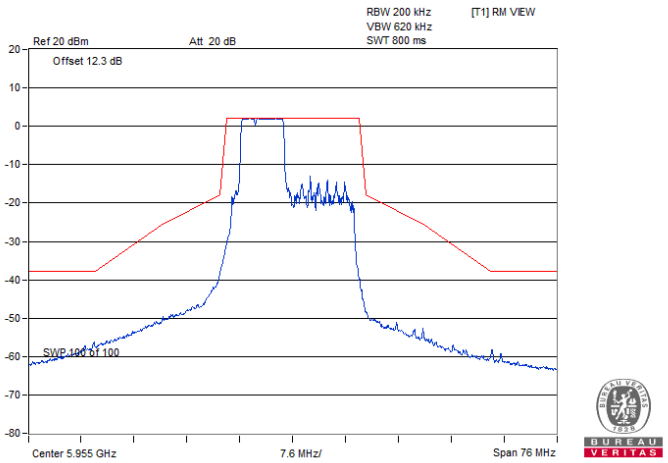
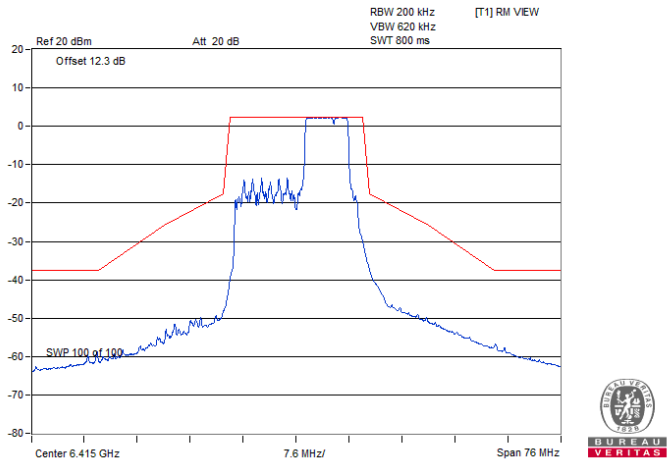
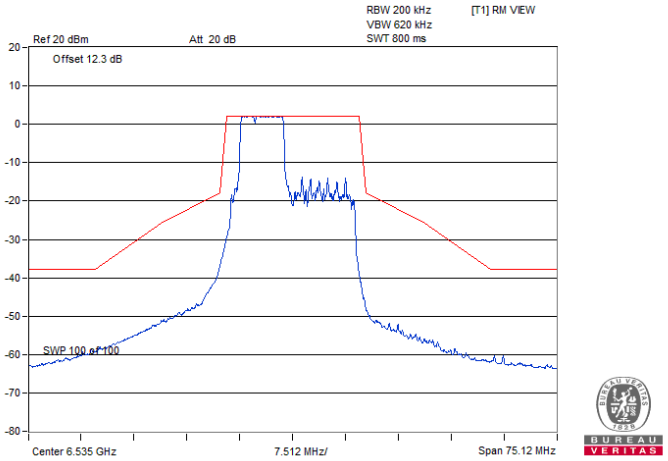
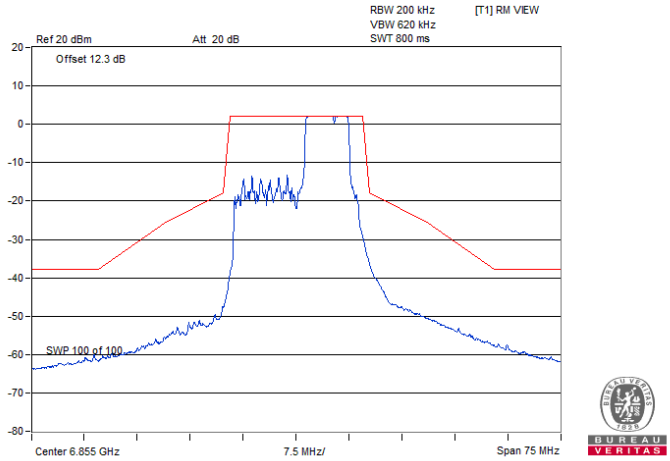


802.11be (EHT20) 52-tone RU : CH 181

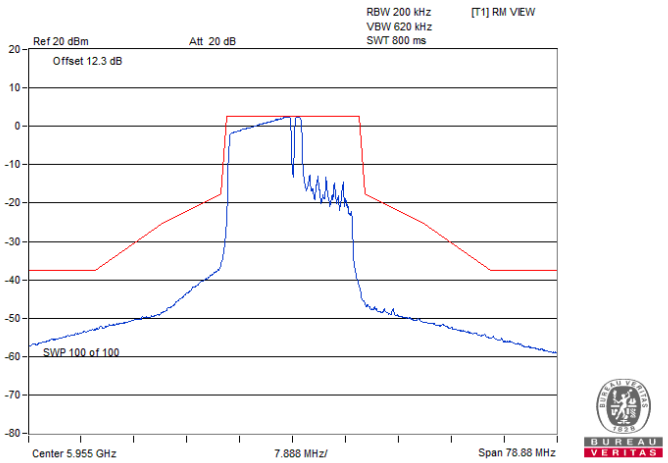
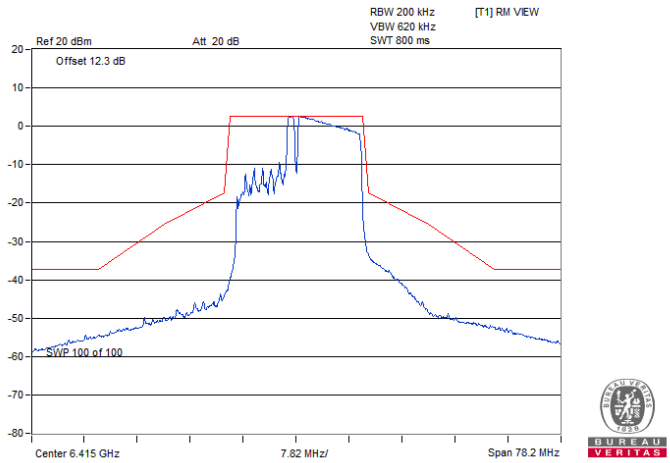
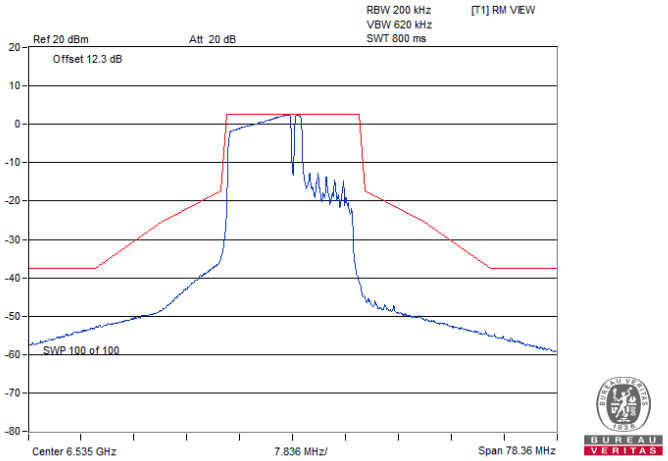
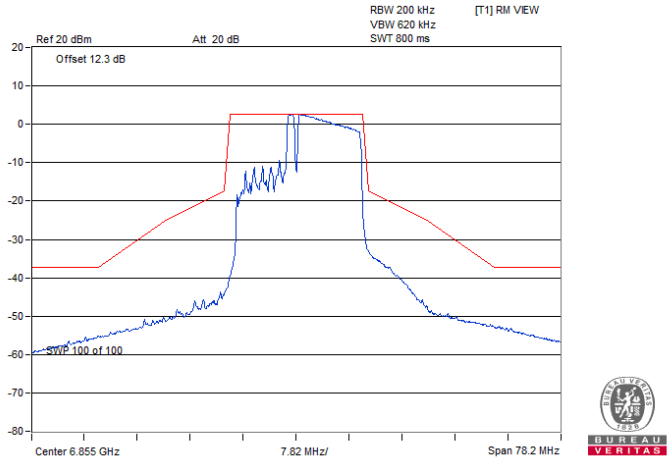
802.11be (EHT20) 106-tone RU 1S1T

Spectrum Plot	
 802.11be (EHT20) 106-tone RU : CH 1	 802.11be (EHT20) 106-tone RU : CH 93
 802.11be (EHT20) 106-tone RU : CH 117	 802.11be (EHT20) 106-tone RU : CH 181

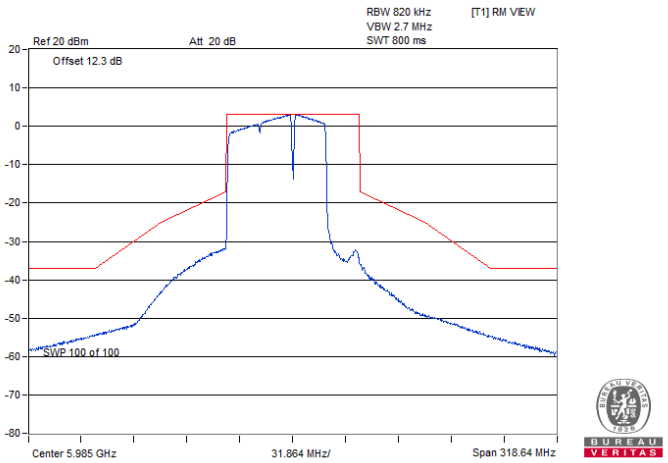
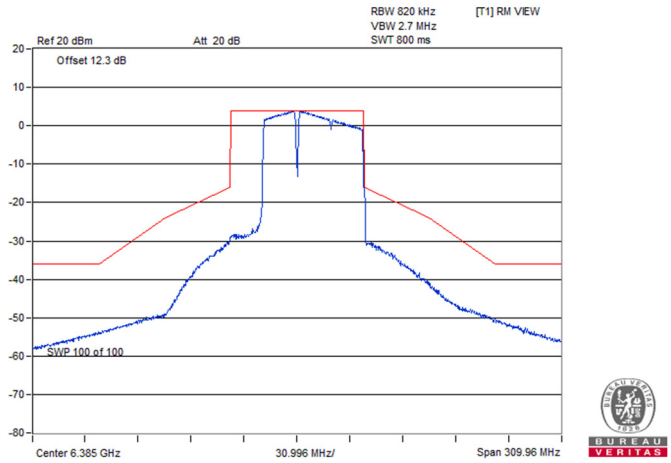
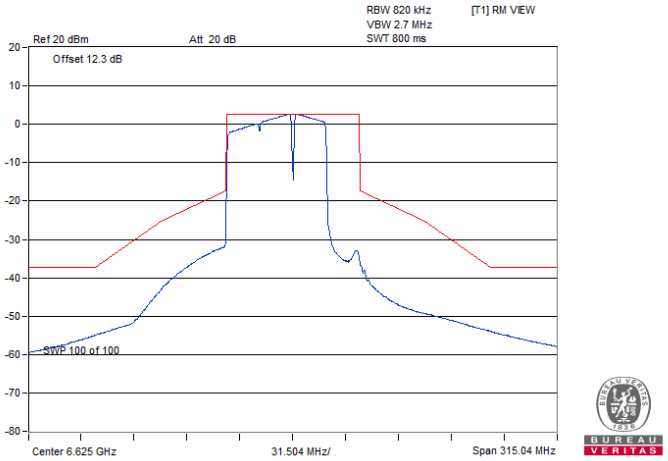
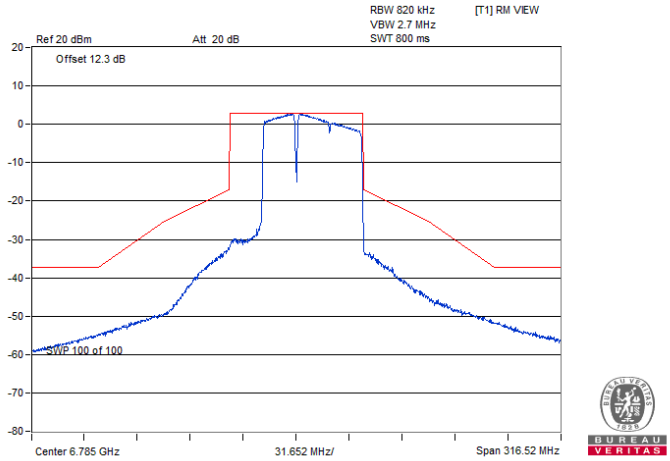
802.11be (EHT20) 52+26-tone MRU 1S1T

Spectrum Plot	
 802.11be (EHT20) 52+26-tone MRU : CH 1	 802.11be (EHT20) 52+26-tone MRU : CH 93
 802.11be (EHT20) 52+26-tone MRU : CH 117	 802.11be (EHT20) 52+26-tone MRU : CH 181

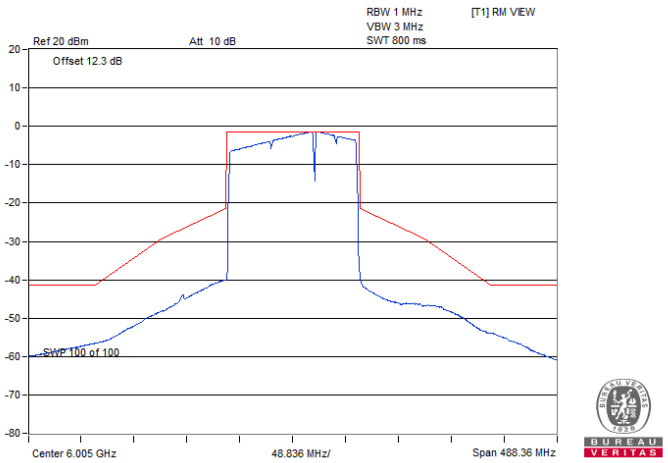
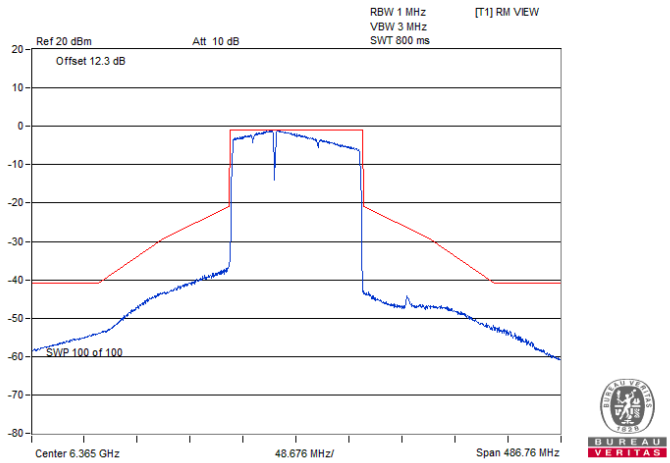
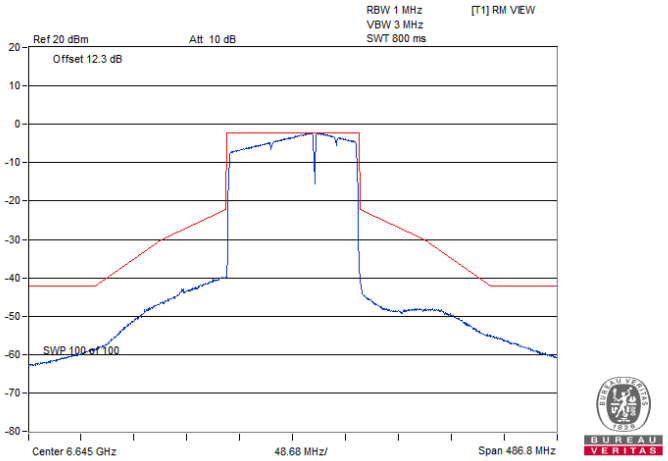
802.11be (EHT20) 106+26-tone MRU 1S1T

Spectrum Plot	
 802.11be (EHT20) 106+26-tone MRU : CH 1	 802.11be (EHT20) 106+26-tone MRU : CH 93
 802.11be (EHT20) 106+26-tone MRU : CH 117	 802.11be (EHT20) 106+26-tone MRU : CH 181

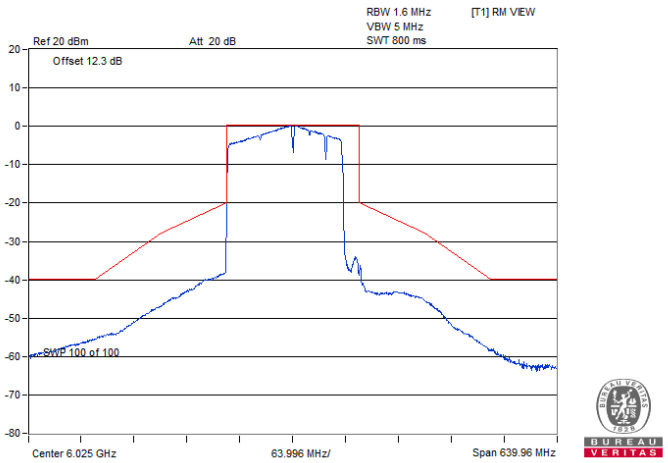
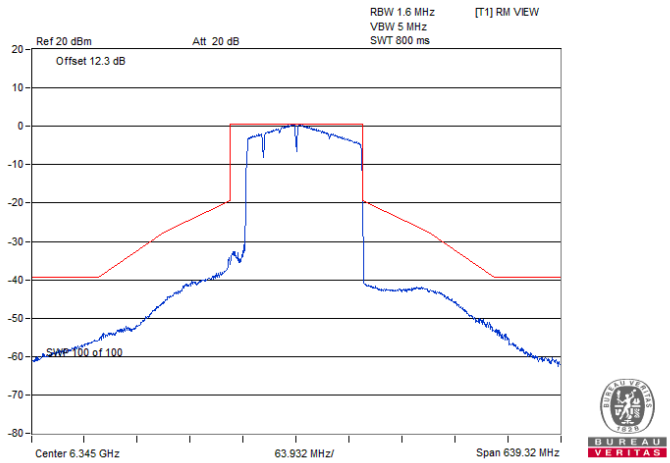
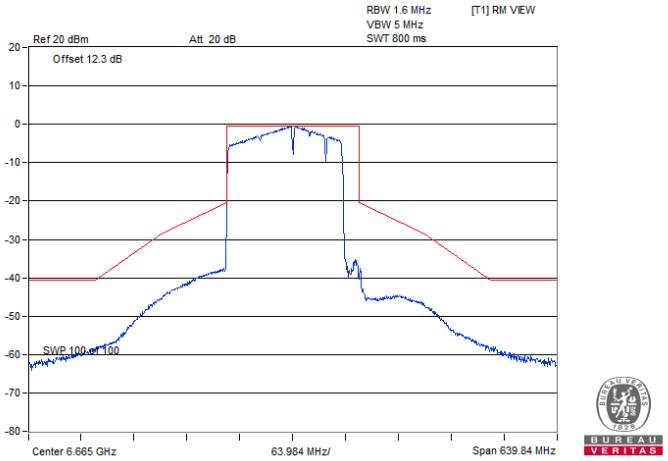
802.11be (EHT80) 484+242-tone MRU 1S1T

Spectrum Plot	
 802.11be (EHT80) 484+242-tone MRU : CH 7	 802.11be (EHT80) 484+242-tone MRU : CH 87
 802.11be (EHT80) 484+242-tone MRU : CH 135	 802.11be (EHT80) 484+242-tone MRU : CH 167

802.11be (EHT160) 996+484-tone MRU 1S1T

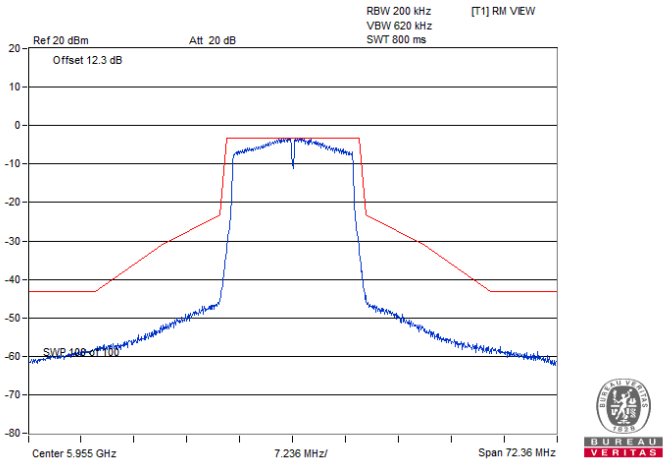
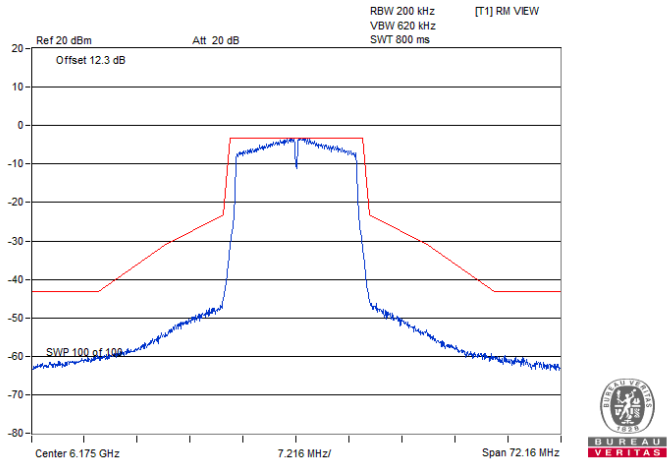
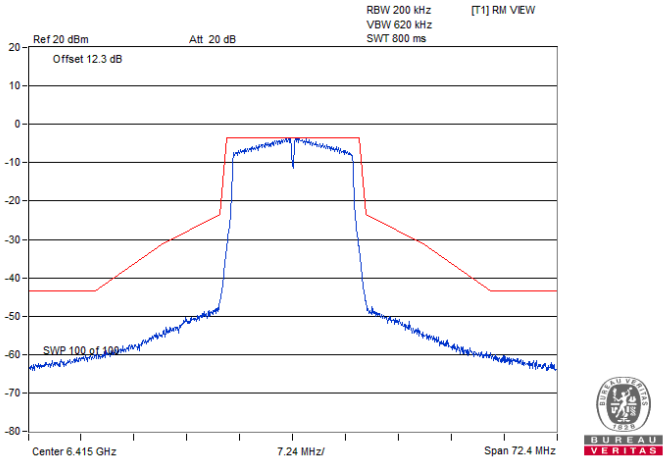
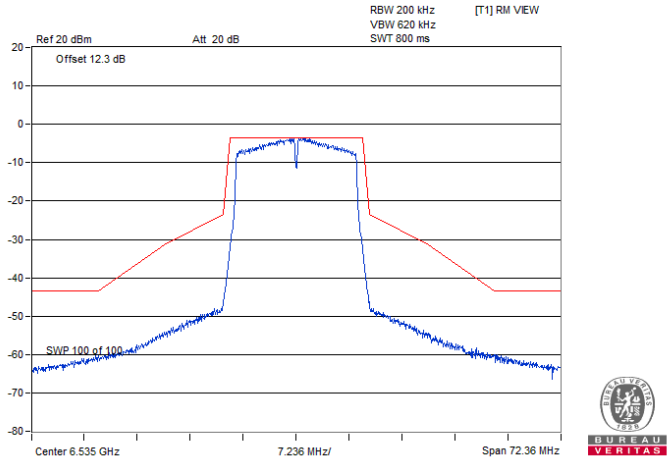
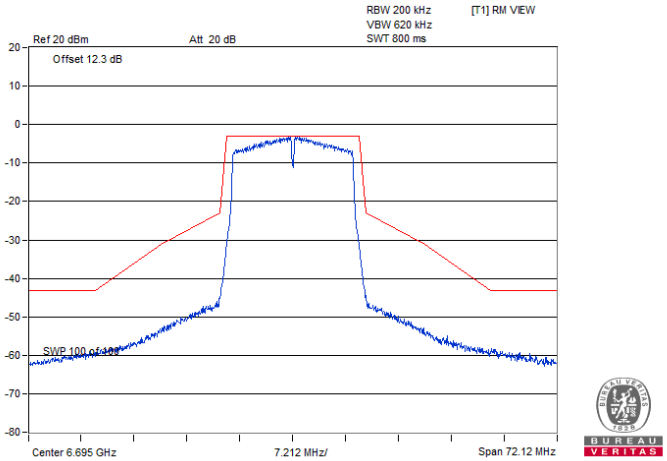
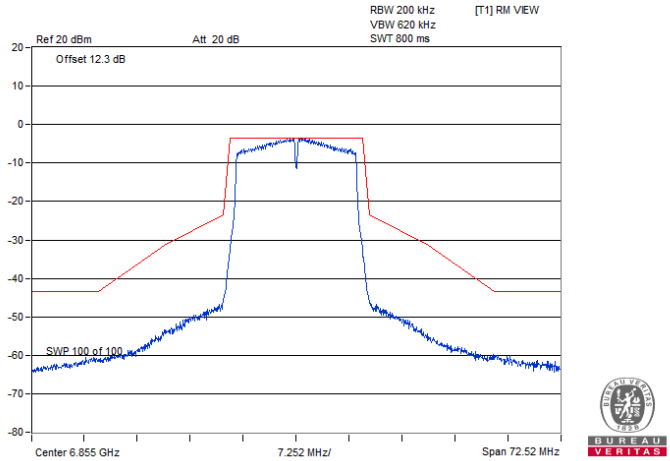
Spectrum Plot	
 802.11be (EHT160) 996+484-tone MRU : CH 15	 802.11be (EHT160) 996+484-tone MRU : CH 79
 802.11be (EHT160) 996+484-tone MRU : CH 143	

802.11be (EHT160) 996+484+242-tone MRU 1S1T

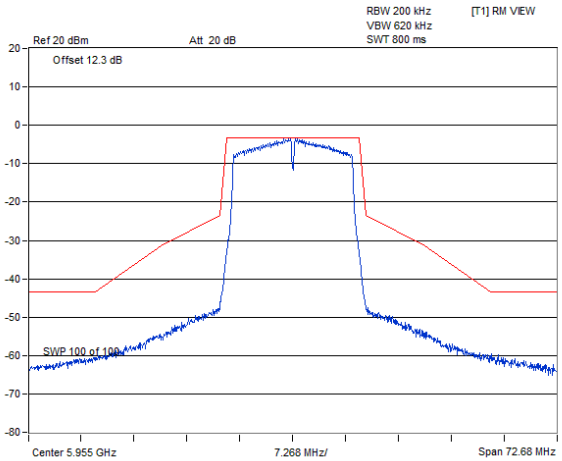
Spectrum Plot	
 802.11be (EHT160) 996+484+242-tone MRU : CH 15	 802.11be (EHT160) 996+484+242-tone MRU : CH 79
 802.11be (EHT160) 996+484+242-tone MRU : CH 143	

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

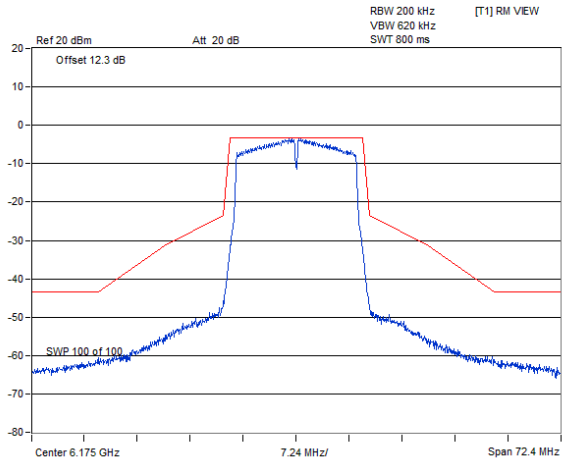
802.11a 2TX

Spectrum Plot	
 802.11a 2TX / Chain 0 : CH 1	 802.11a 2TX / Chain 0 : CH 45
 802.11a 2TX / Chain 0 : CH 93	 802.11a 2TX / Chain 0 : CH 117
 802.11a 2TX / Chain 0 : CH 149	 802.11a 2TX / Chain 0 : CH 181

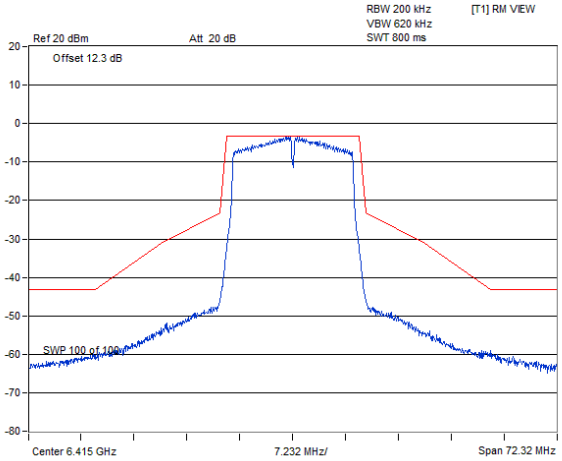
Spectrum Plot



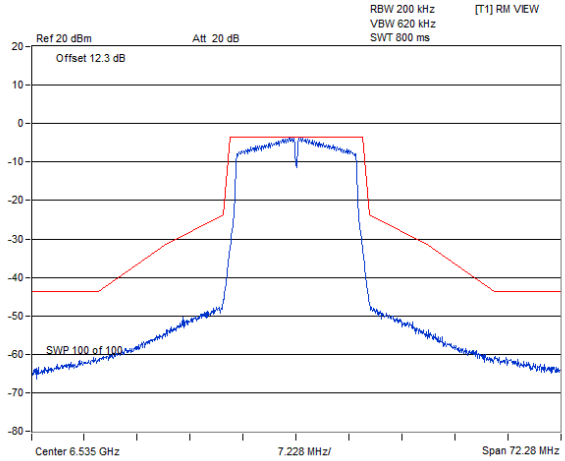
802.11a 2TX / Chain 1 : CH 1



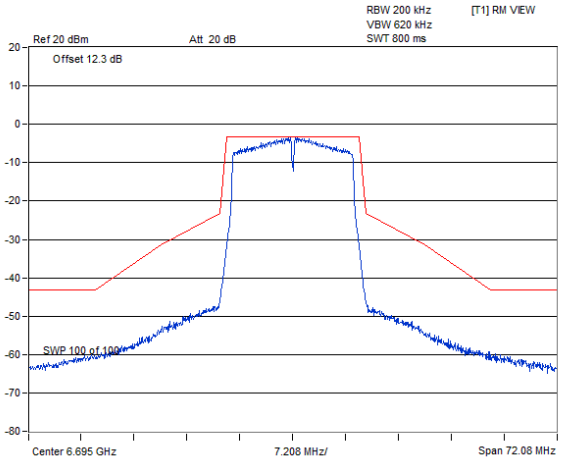
802.11a 2TX / Chain 1 : CH 45



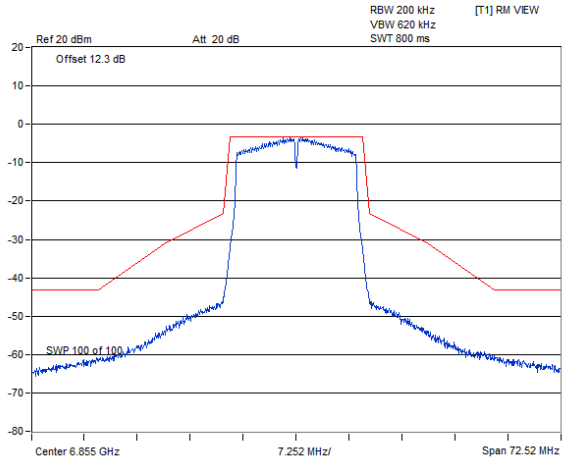
802.11a 2TX / Chain 1 : CH 93



802.11a 2TX / Chain 1 : CH 117



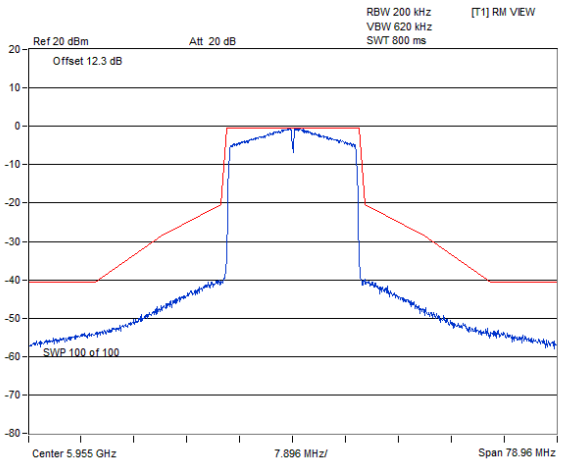
802.11a 2TX / Chain 1 : CH 149



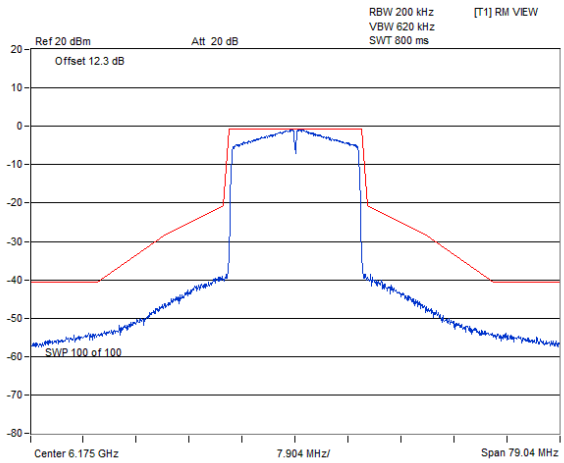
802.11a 2TX / Chain 1 : CH 181

802.11be (EHT20) 2S2T

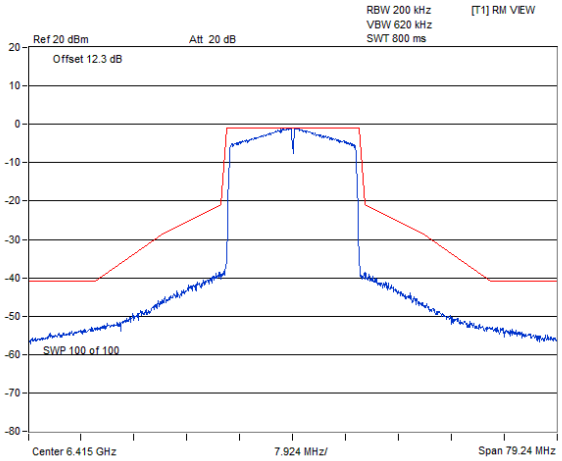
Spectrum Plot



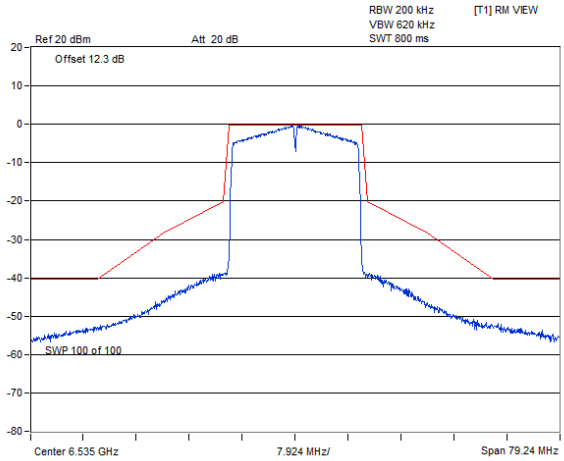
802.11be (EHT20) / Chain 0 : CH 1



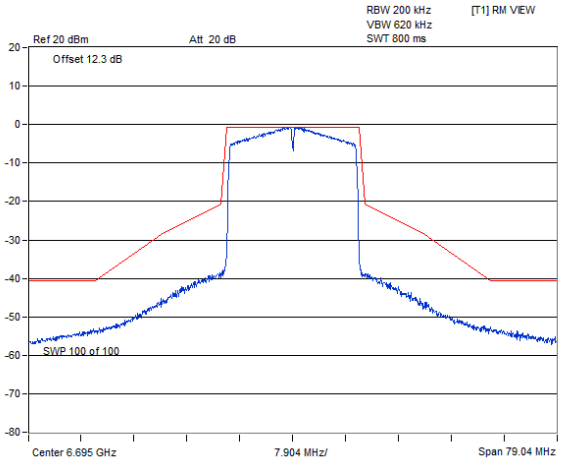
802.11be (EHT20) / Chain 0 : CH 45



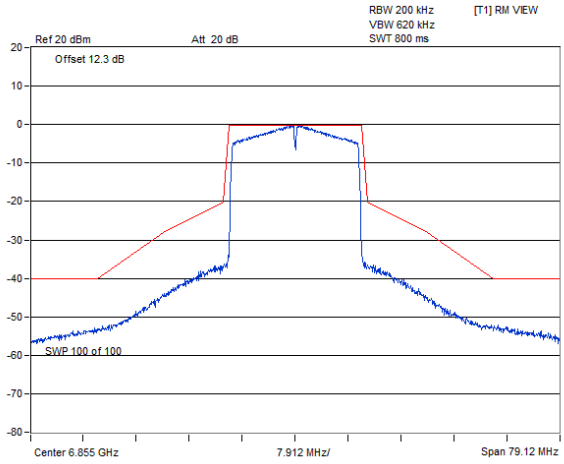
802.11be (EHT20) / Chain 0 : CH 93



802.11be (EHT20) / Chain 0 : CH 117

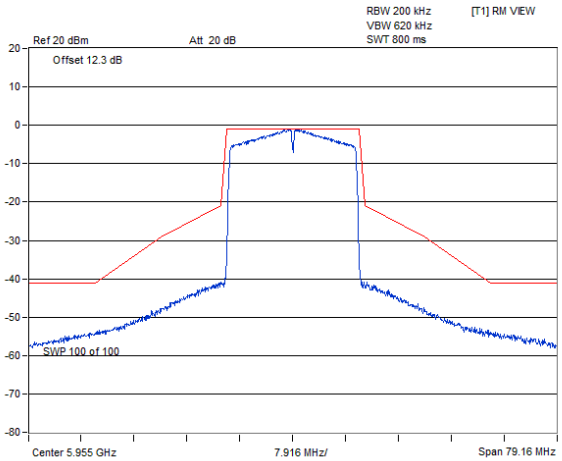


802.11be (EHT20) / Chain 0 : CH 149

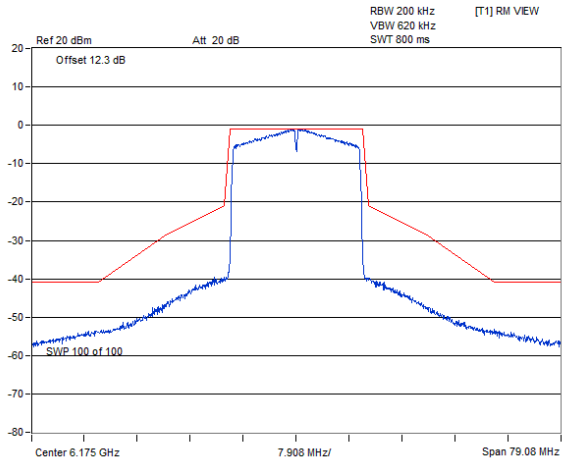


802.11be (EHT20) / Chain 0 : CH 181

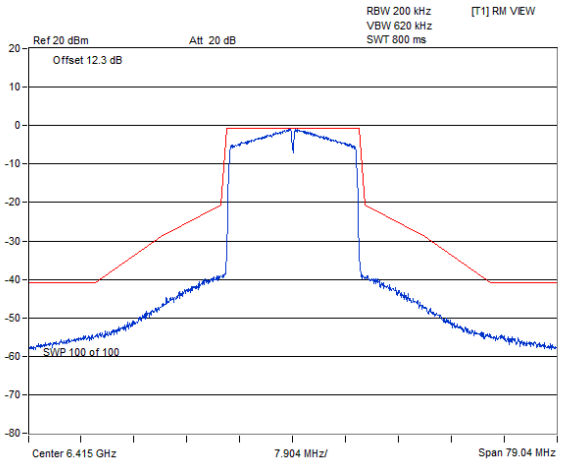
Spectrum Plot



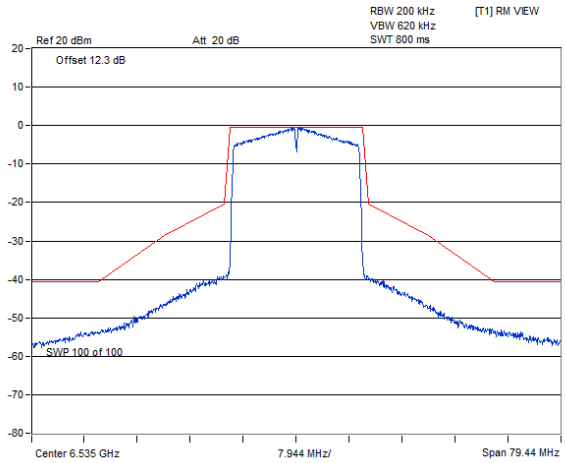
802.11be (EHT20) / Chain 1 : CH 1



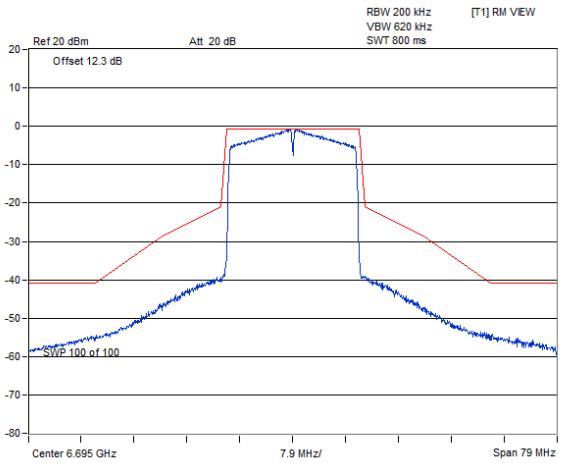
802.11be (EHT20) / Chain 1 : CH 45



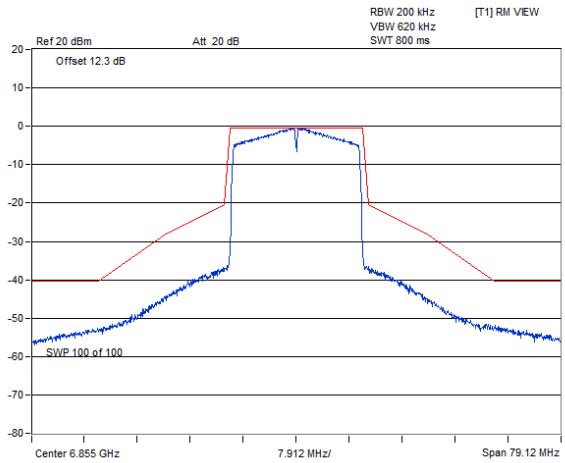
802.11be (EHT20) / Chain 1 : CH 93



802.11be (EHT20) / Chain 1 : CH 117



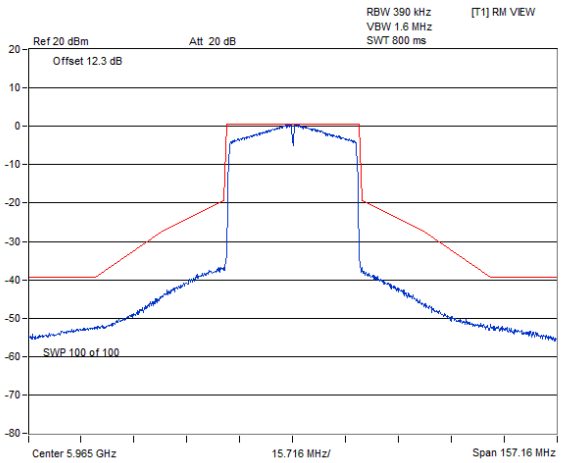
802.11be (EHT20) / Chain 1 : CH 149



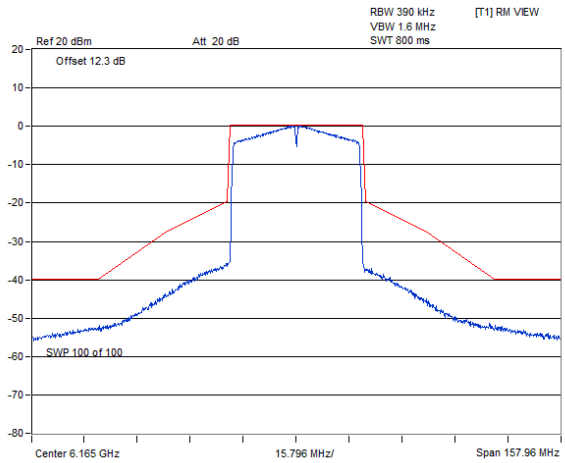
802.11be (EHT20) / Chain 1 : CH 181

802.11be (EHT40) 2S2T

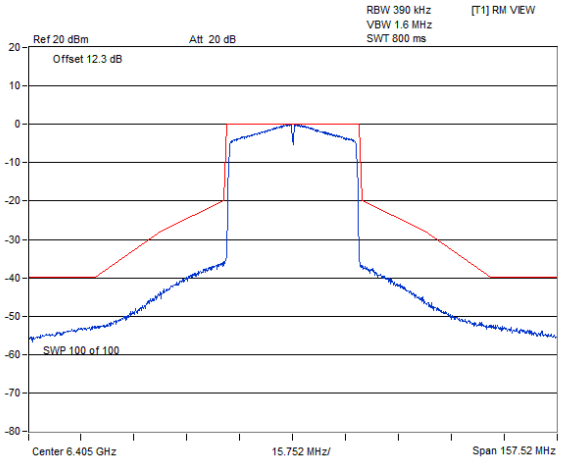
Spectrum Plot



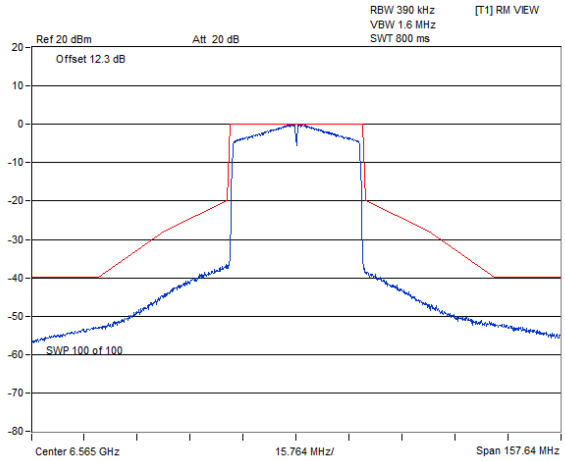
802.11be (EHT40) / Chain 0 : CH 3



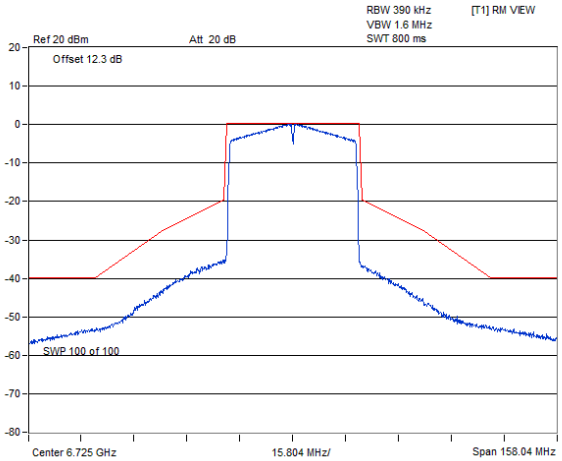
802.11be (EHT40) / Chain 0 : CH 43



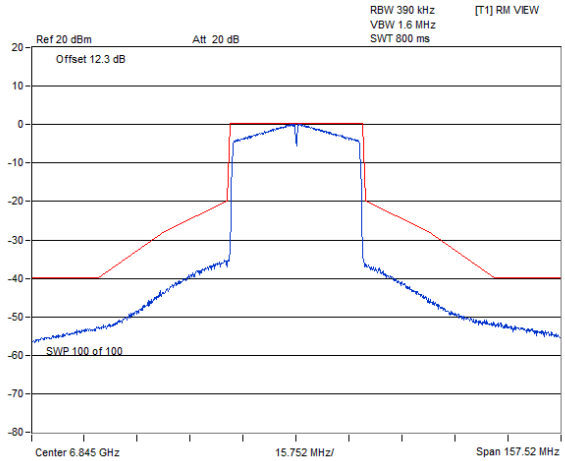
802.11be (EHT40) / Chain 0 : CH 91



802.11be (EHT40) / Chain 0 : CH 123

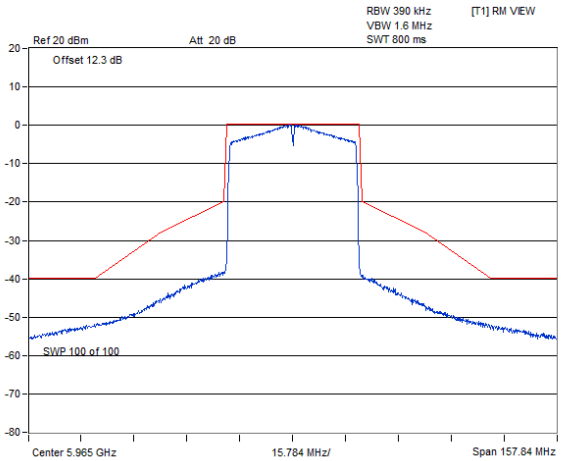


802.11be (EHT40) / Chain 0 : CH 155

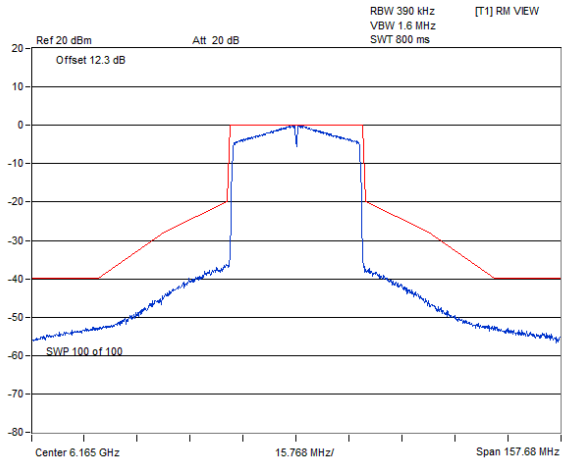


802.11be (EHT40) / Chain 0 : CH 179

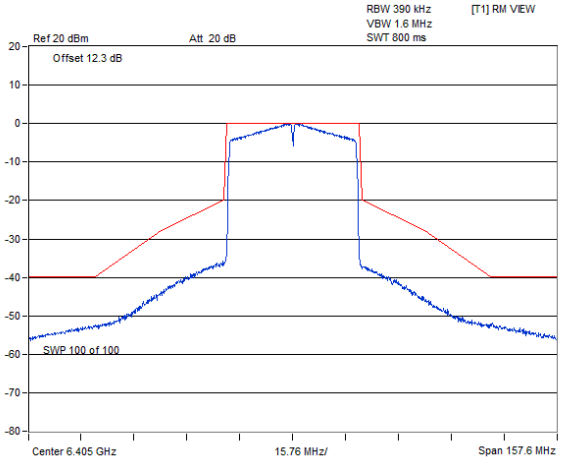
Spectrum Plot



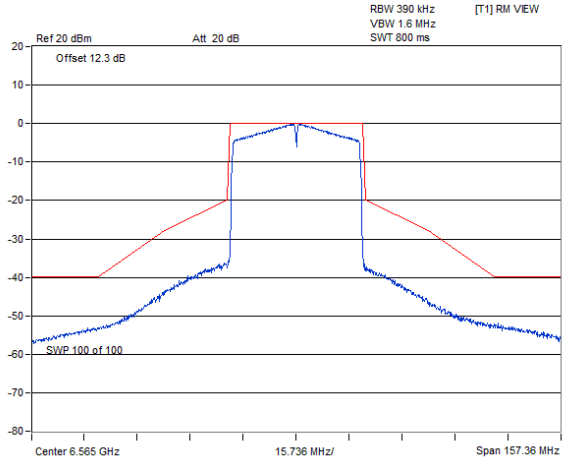
802.11be (EHT40) / Chain 1 : CH 3



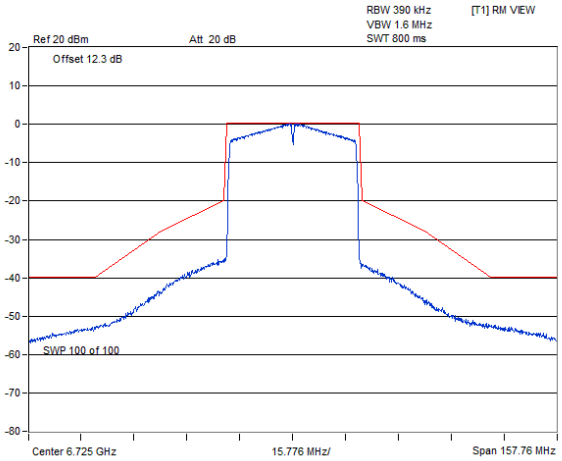
802.11be (EHT40) / Chain 1 : CH 43



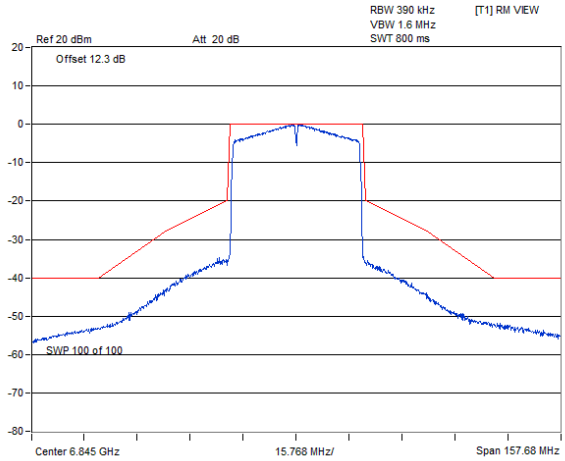
802.11be (EHT40) / Chain 1 : CH 91



802.11be (EHT40) / Chain 1 : CH 123



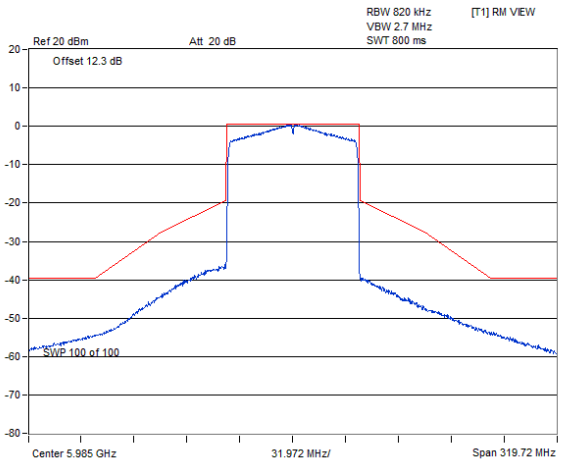
802.11be (EHT40) / Chain 1 : CH 155



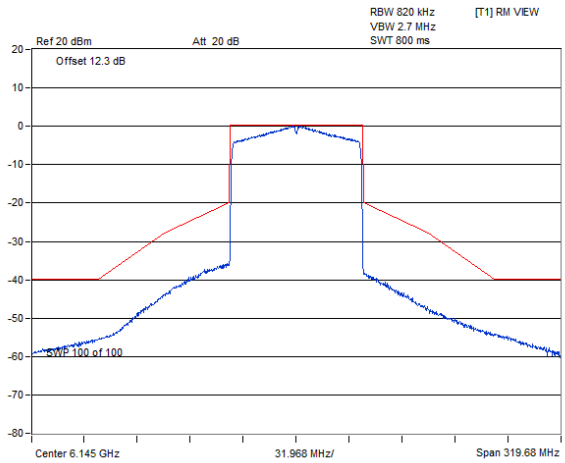
802.11be (EHT40) / Chain 1 : CH 179

802.11be (EHT80) 2S2T

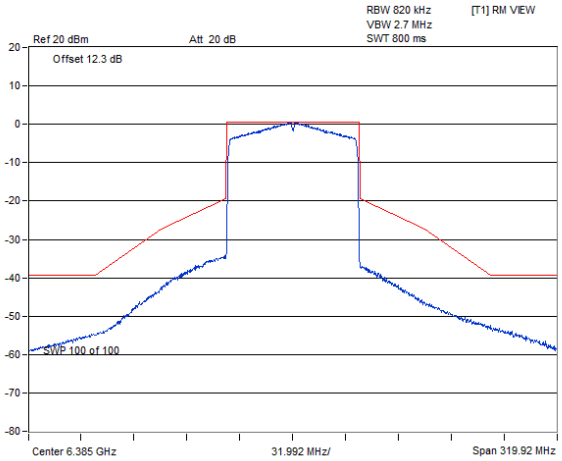
Spectrum Plot



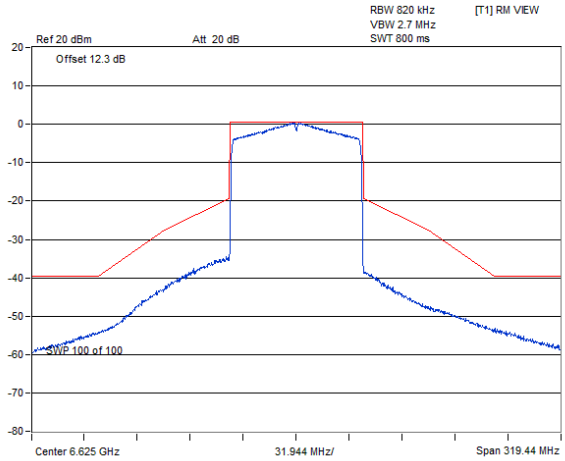
802.11be (EHT80) / Chain 0 : CH 7



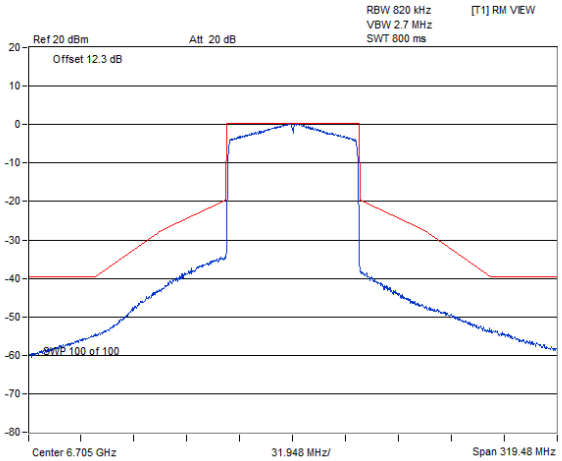
802.11be (EHT80) / Chain 0 : CH 39



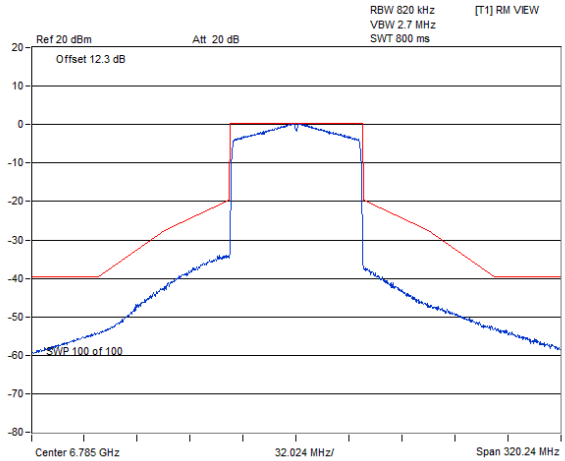
802.11be (EHT80) / Chain 0 : CH 87



802.11be (EHT80) / Chain 0 : CH 135

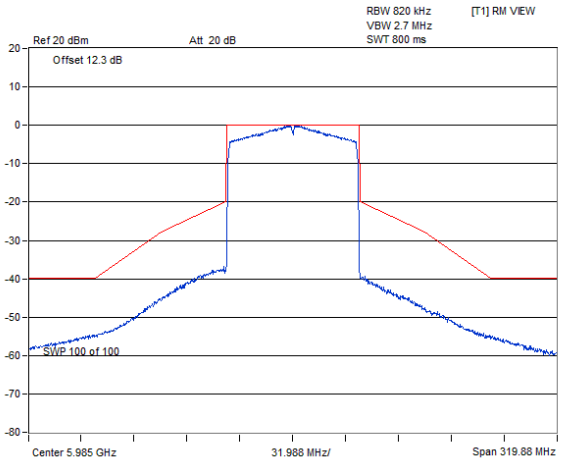


802.11be (EHT80) / Chain 0 : CH 151

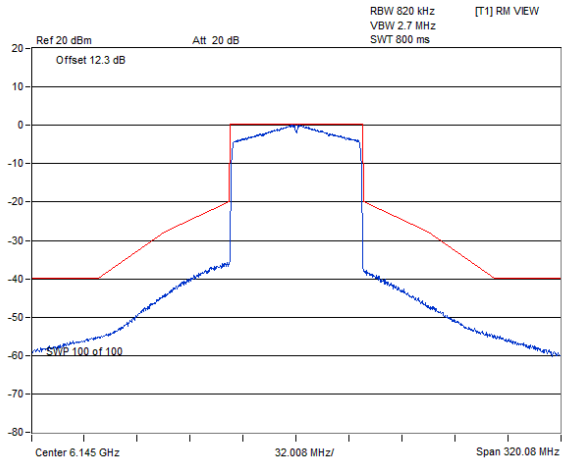


802.11be (EHT80) / Chain 0 : CH 167

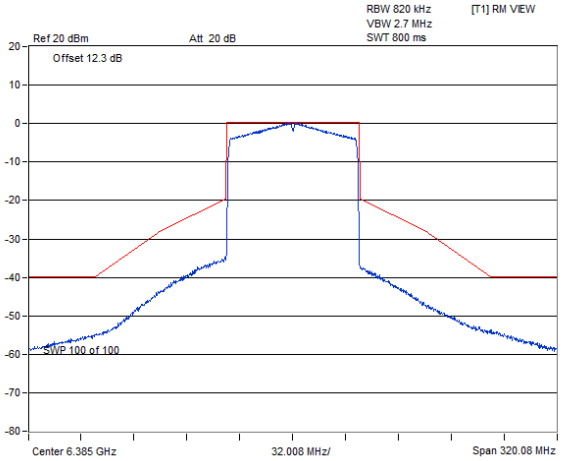
Spectrum Plot



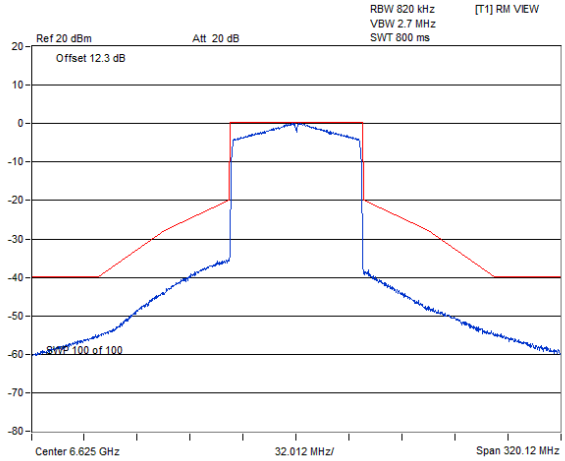
802.11be (EHT80) / Chain 1 : CH 7



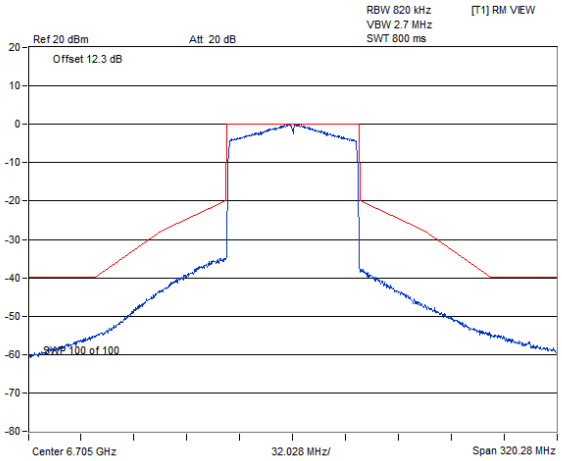
802.11be (EHT80) / Chain 1 : CH 39



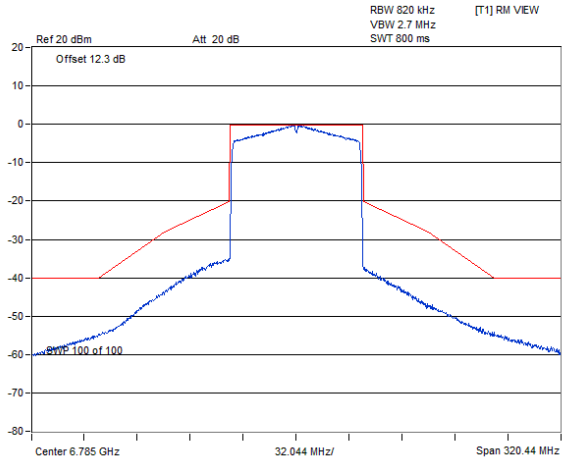
802.11be (EHT80) / Chain 1 : CH 87



802.11be (EHT80) / Chain 1 : CH 135



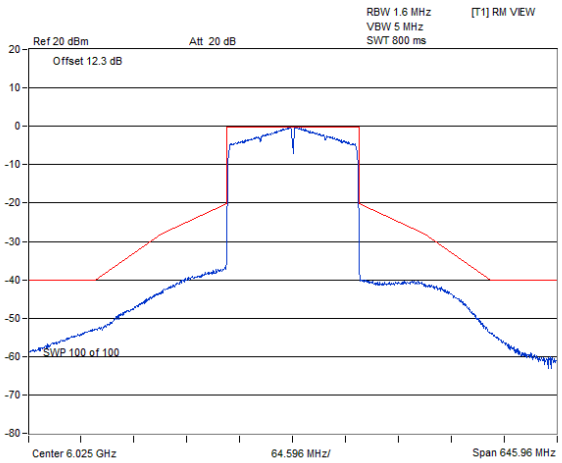
802.11be (EHT80) / Chain 1 : CH 151



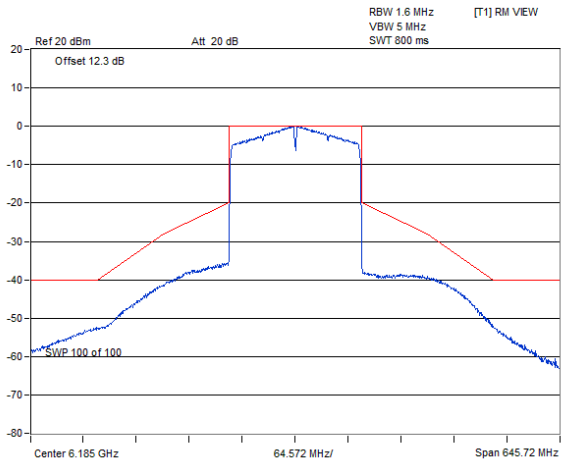
802.11be (EHT80) / Chain 1 : CH 167

802.11be (EHT160) 2S2T

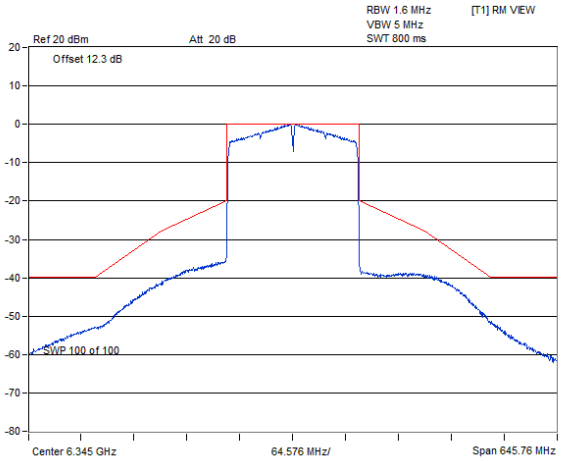
Spectrum Plot



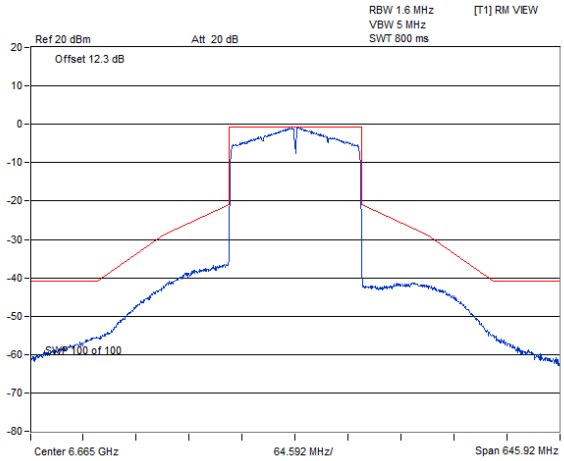
802.11be (EHT160) / Chain 0 : CH 15



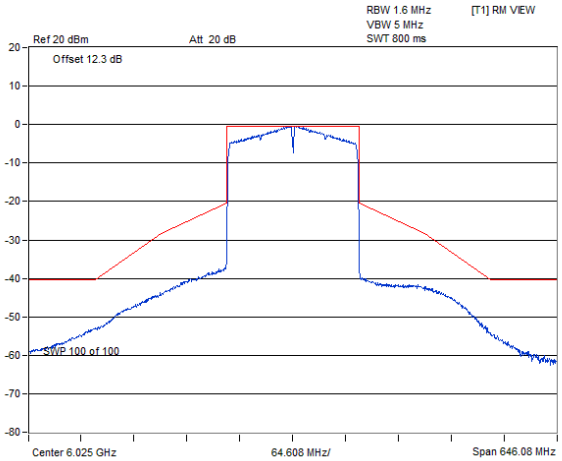
802.11be (EHT160) / Chain 0 : CH 47



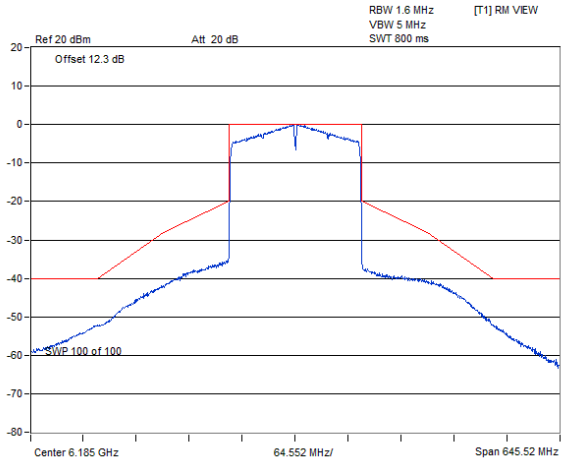
802.11be (EHT160) / Chain 0 : CH 79



802.11be (EHT160) / Chain 0 : CH 143

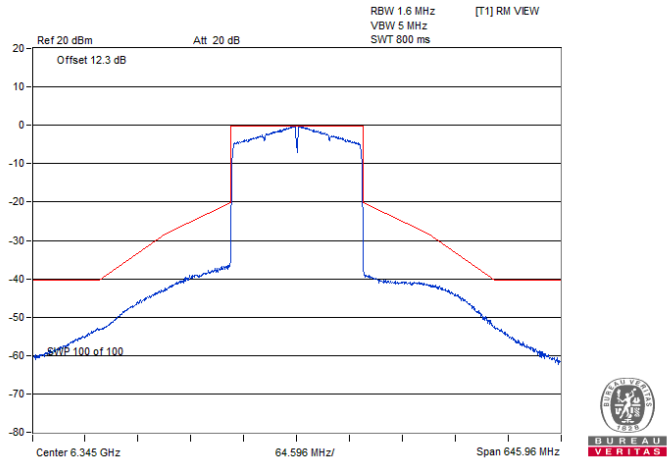


802.11be (EHT160) / Chain 1 : CH 15

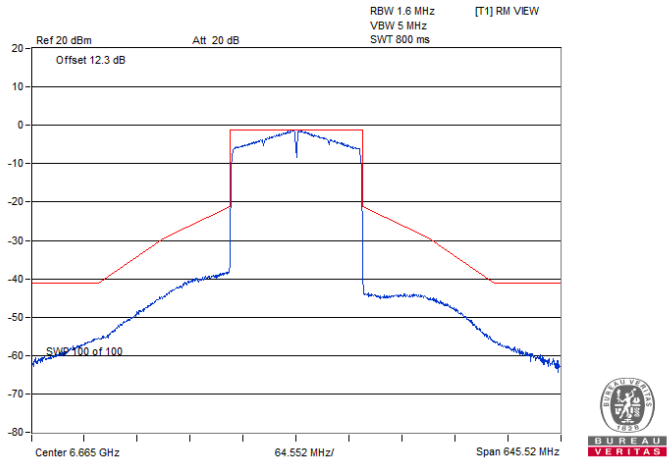


802.11be (EHT160) / Chain 1 : CH 47

Spectrum Plot



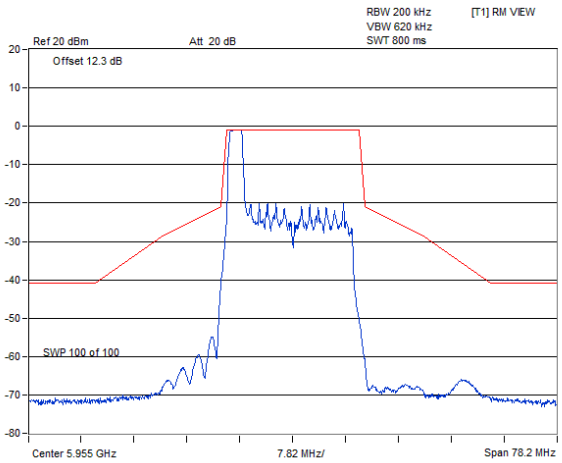
802.11be (EHT160) / Chain 1 : CH 79



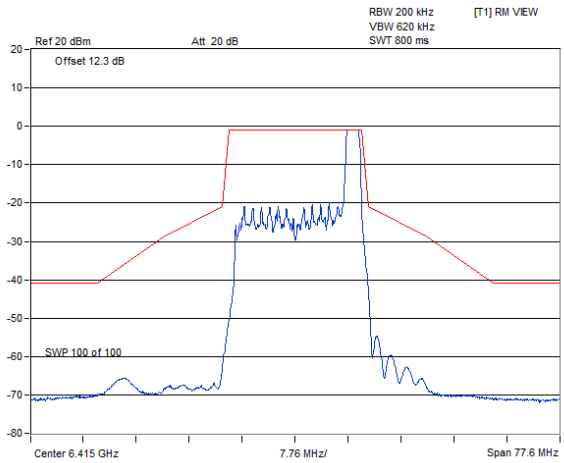
802.11be (EHT160) / Chain 1 : CH 143

802.11be (EHT20) 26-tone RU 2S2T

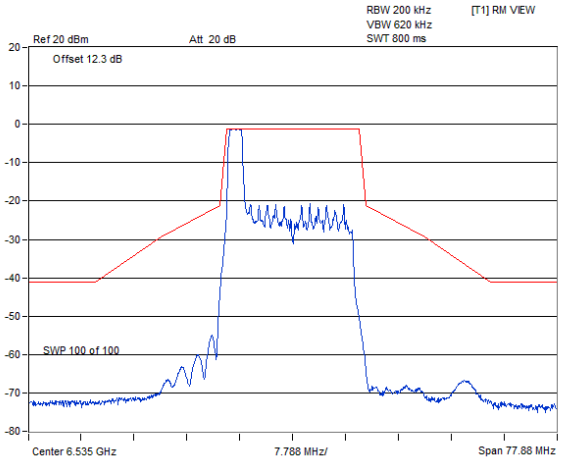
Spectrum Plot



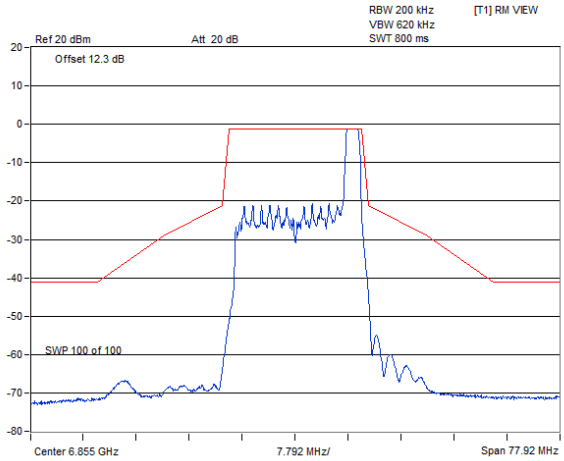
802.11be (EHT20) 26-tone RU / Chain 0 : CH 1



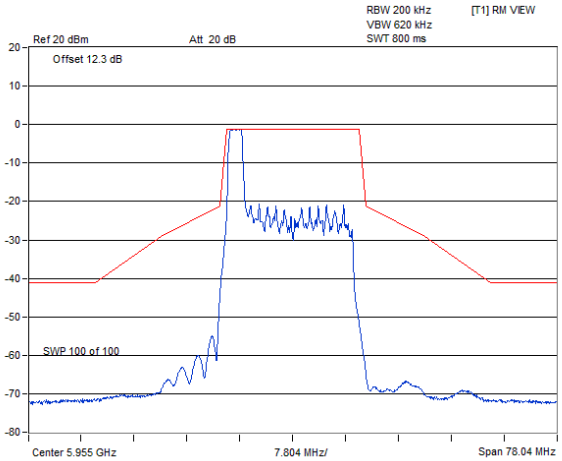
802.11be (EHT20) 26-tone RU / Chain 0 : CH 93



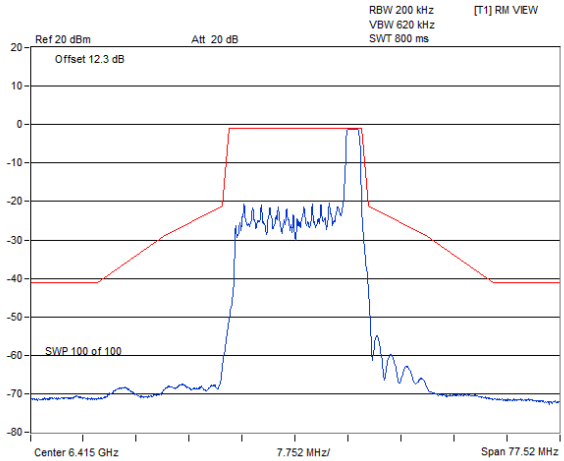
802.11be (EHT20) 26-tone RU / Chain 0 : CH 117



802.11be (EHT20) 26-tone RU / Chain 0 : CH 181

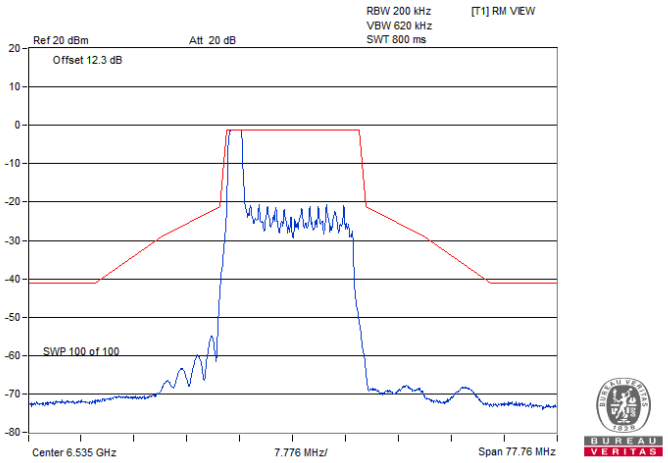


802.11be (EHT20) 26-tone RU / Chain 1 : CH 1

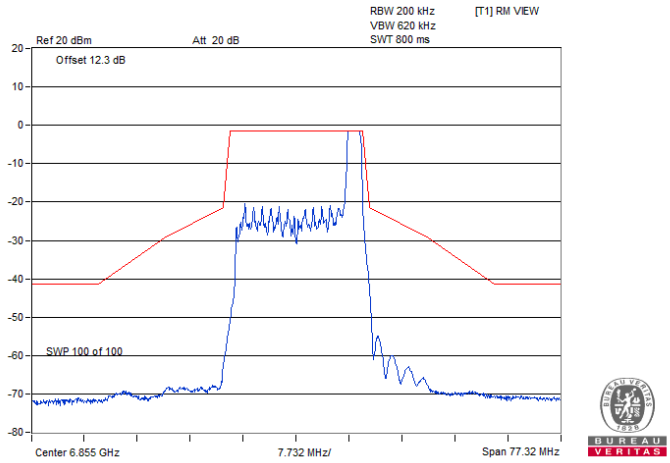


802.11be (EHT20) 26-tone RU / Chain 1 : CH 93

Spectrum Plot



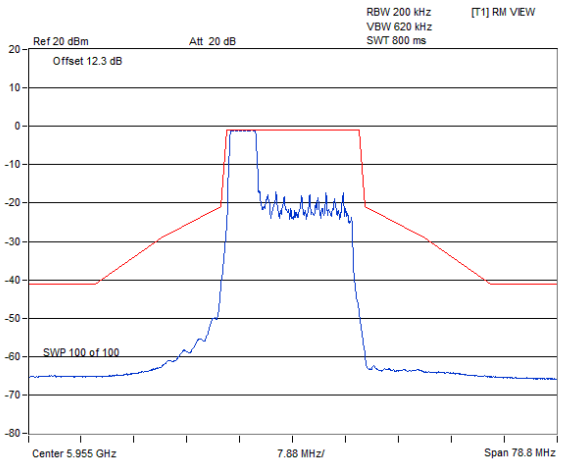
802.11be (EHT20) 26-tone RU / Chain 1 : CH 117



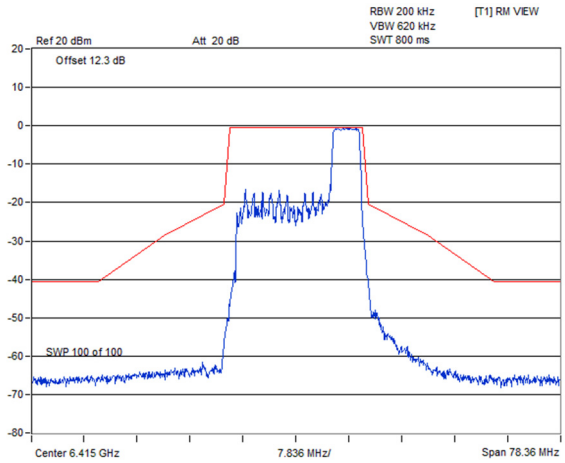
802.11be (EHT20) 26-tone RU / Chain 1 : CH 181

802.11be (EHT20) 52-tone RU 2S2T

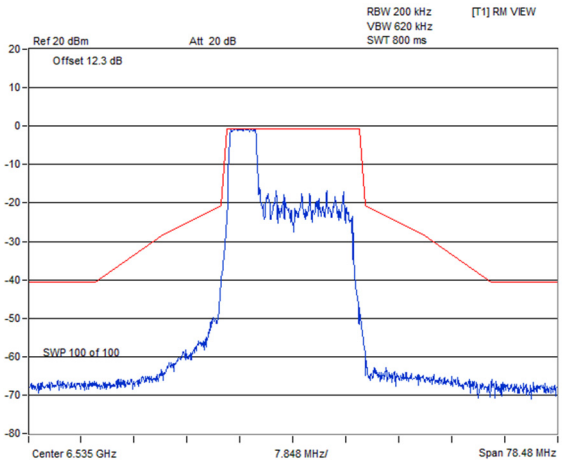
Spectrum Plot



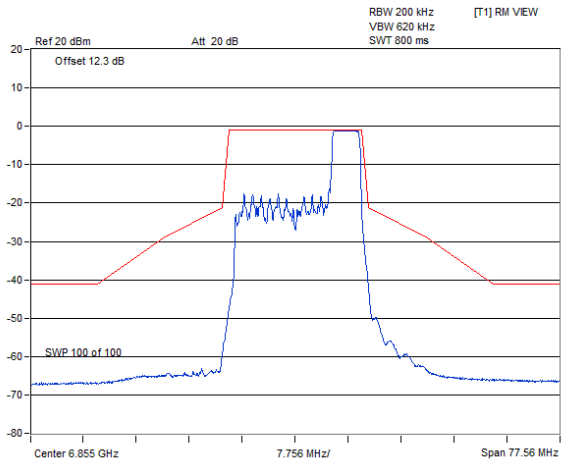
802.11be (EHT20) 52-tone RU / Chain 0 : CH 1



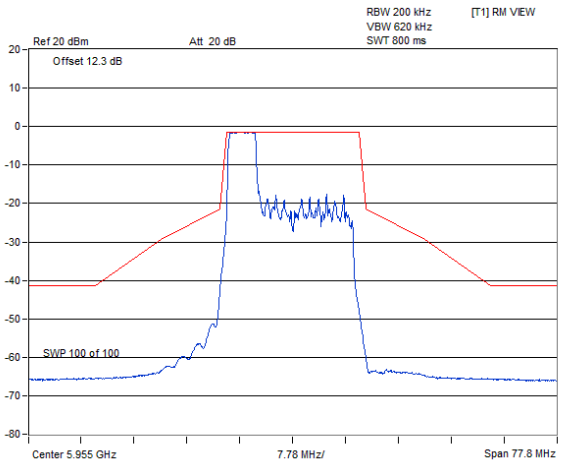
802.11be (EHT20) 52-tone RU / Chain 0 : CH 93



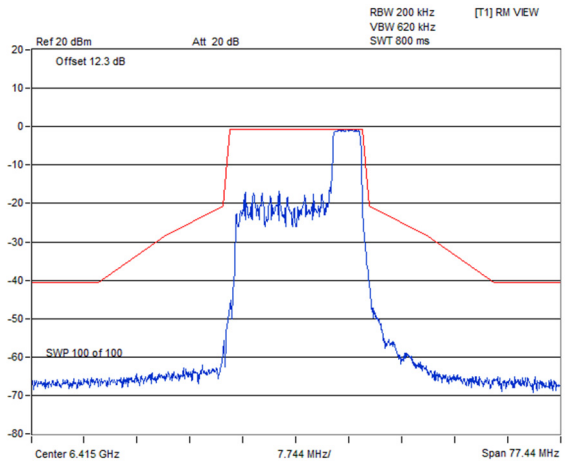
802.11be (EHT20) 52-tone RU / Chain 0 : CH 117



802.11be (EHT20) 52-tone RU / Chain 0 : CH 181

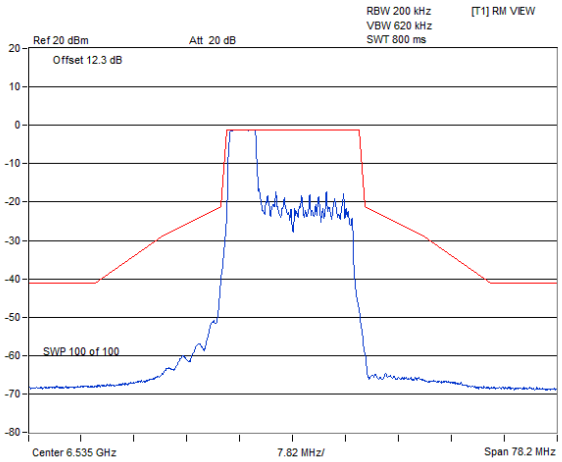


802.11be (EHT20) 52-tone RU / Chain 1 : CH 1

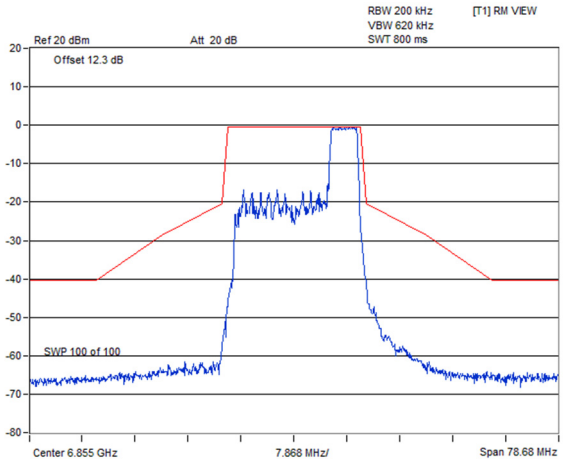


802.11be (EHT20) 52-tone RU / Chain 1 : CH 93

Spectrum Plot

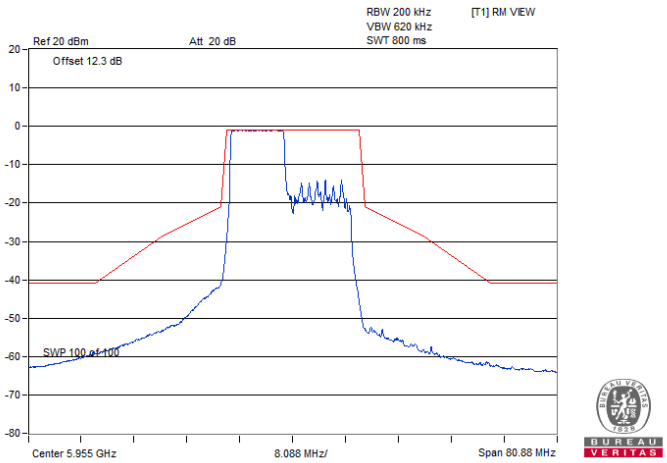
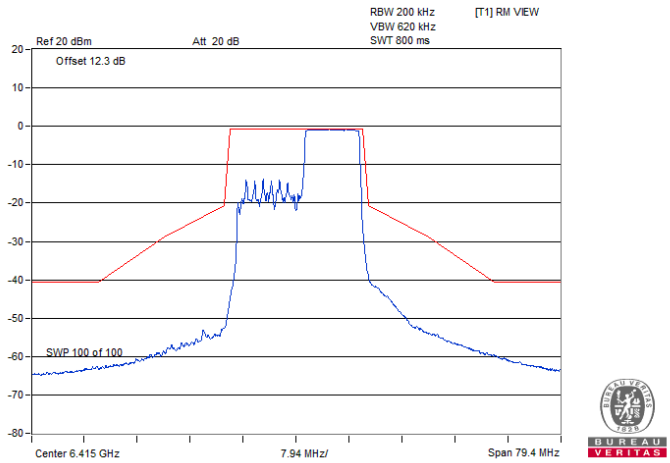
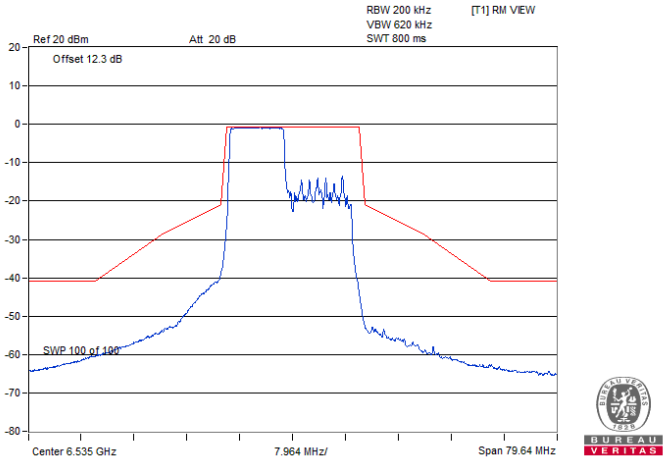
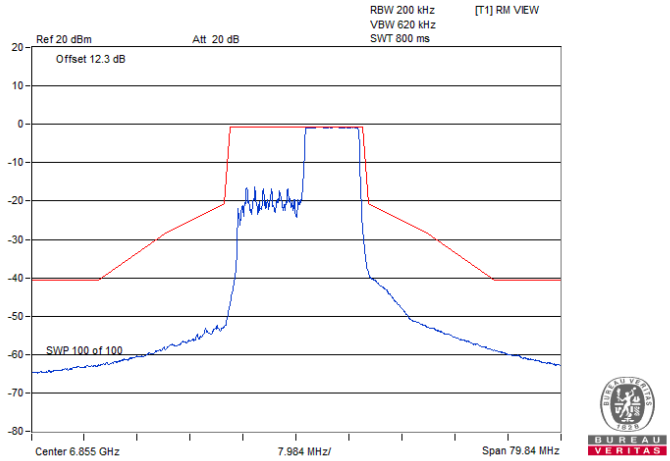
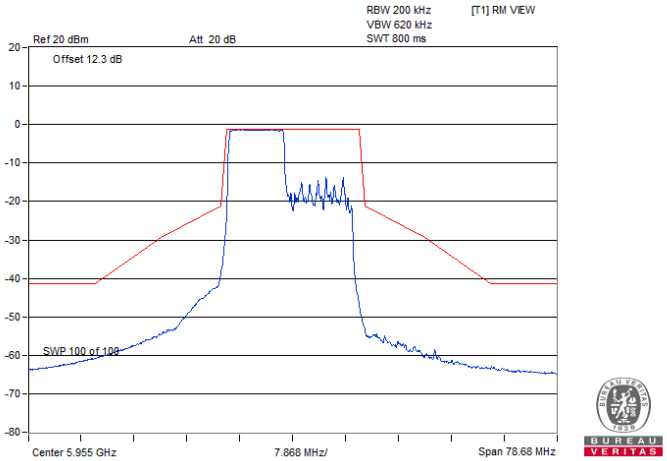
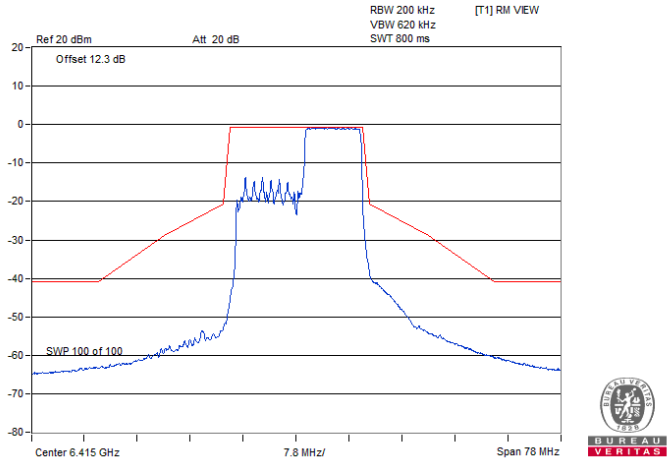


802.11be (EHT20) 52-tone RU / Chain 1 : CH 117

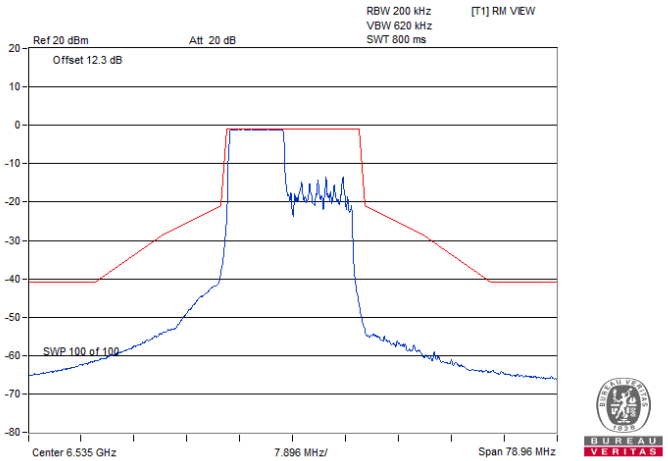


802.11be (EHT20) 52-tone RU / Chain 1 : CH 181

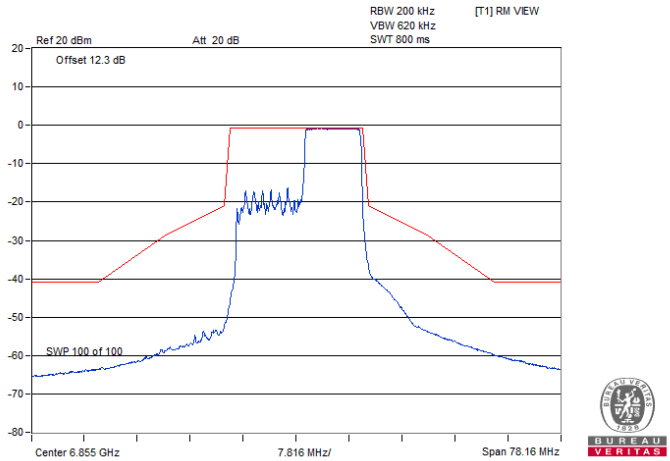
802.11be (EHT20) 106-tone RU 2S2T

Spectrum Plot	
 802.11be (EHT20) 106-tone RU / Chain 0 : CH 1	 802.11be (EHT20) 106-tone RU / Chain 0 : CH 93
 802.11be (EHT20) 106-tone RU / Chain 0 : CH 117	 802.11be (EHT20) 106-tone RU / Chain 0 : CH 181
 802.11be (EHT20) 106-tone RU / Chain 1 : CH 1	 802.11be (EHT20) 106-tone RU / Chain 1 : CH 93

Spectrum Plot



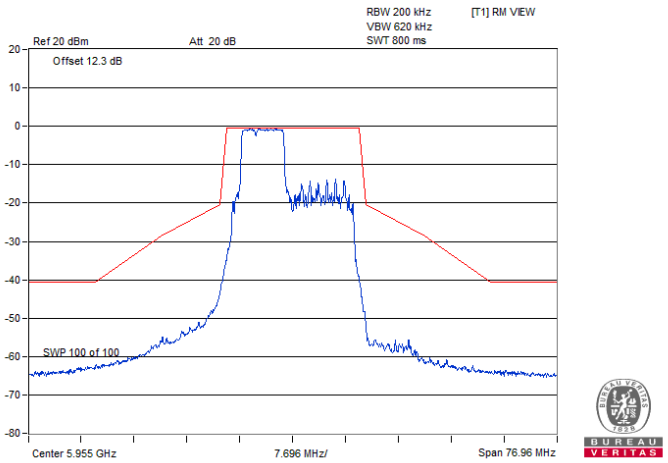
802.11be (EHT20) 106-tone RU / Chain 1 : CH 117



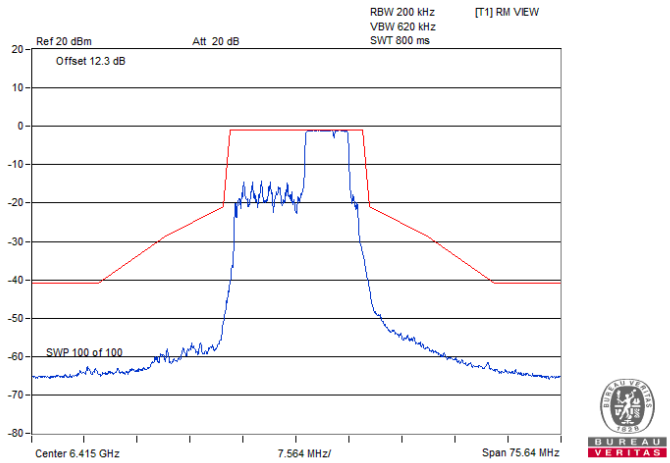
802.11be (EHT20) 106-tone RU / Chain 1 : CH 181

802.11be (EHT20) 52+26-tone MRU 2S2T

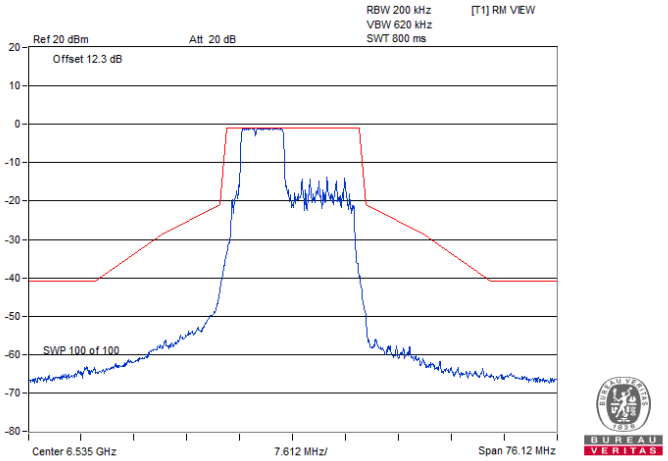
Spectrum Plot



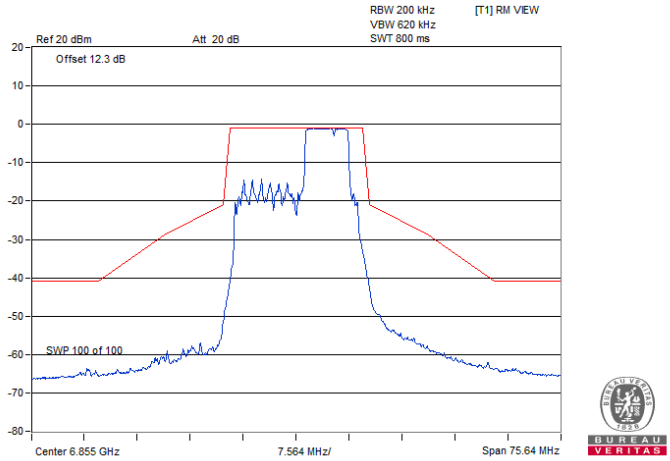
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 1



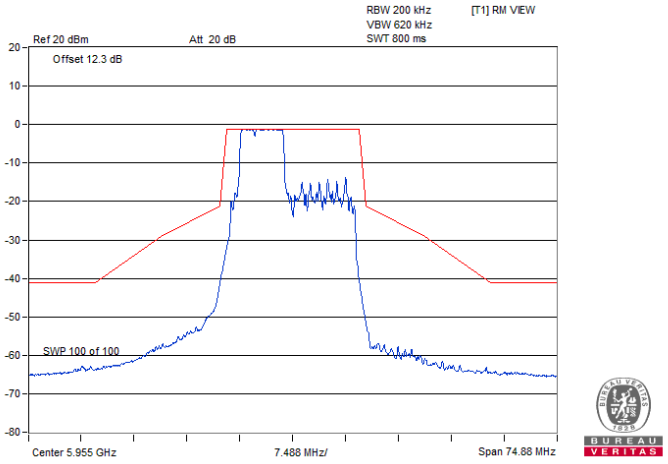
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 93



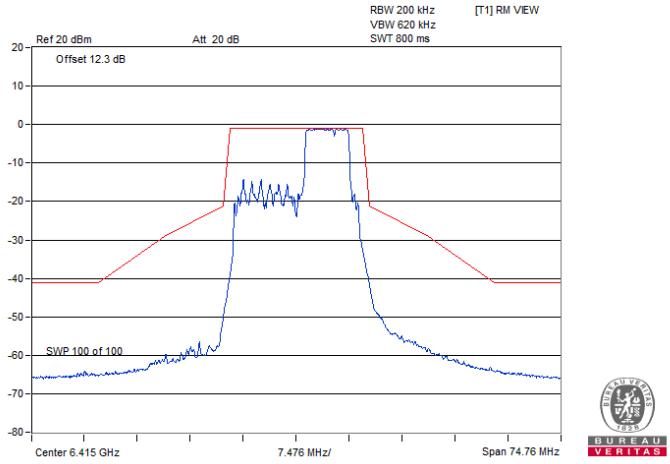
802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 117



802.11be (EHT20) 52+26-tone MRU / Chain 0 : CH 181

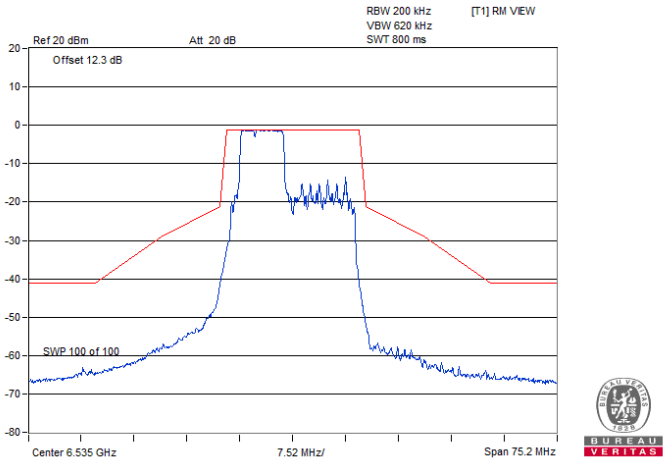


802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 1

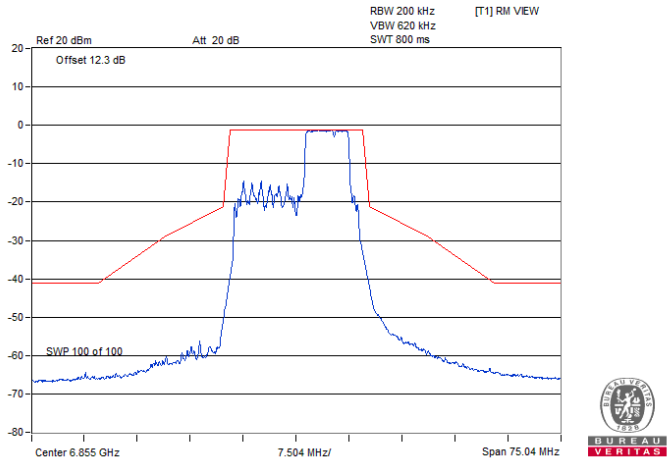


802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 93

Spectrum Plot



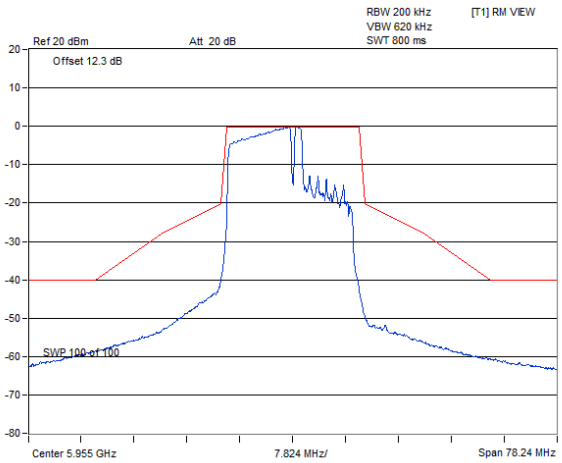
802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 117



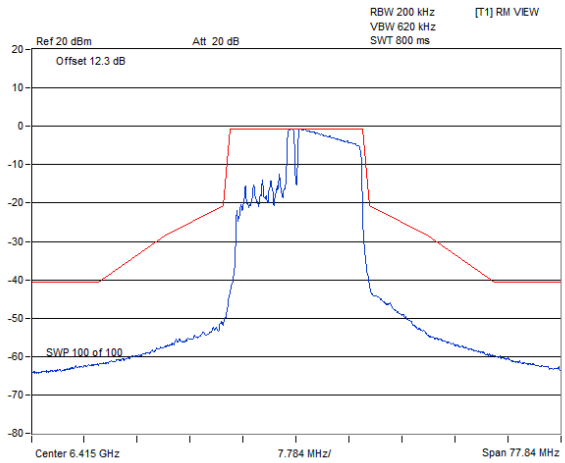
802.11be (EHT20) 52+26-tone MRU / Chain 1 : CH 181

802.11be (EHT20) 106+26-tone MRU 2S2T

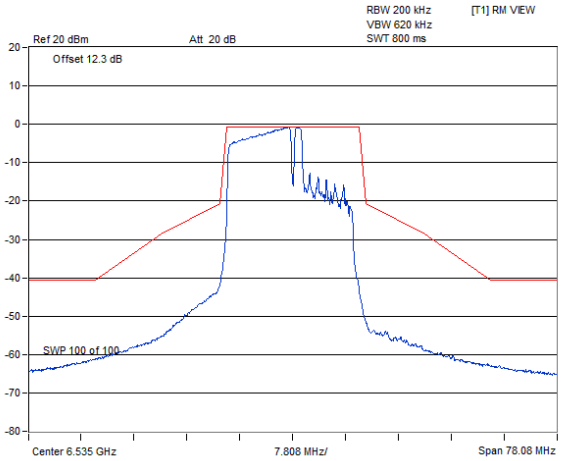
Spectrum Plot



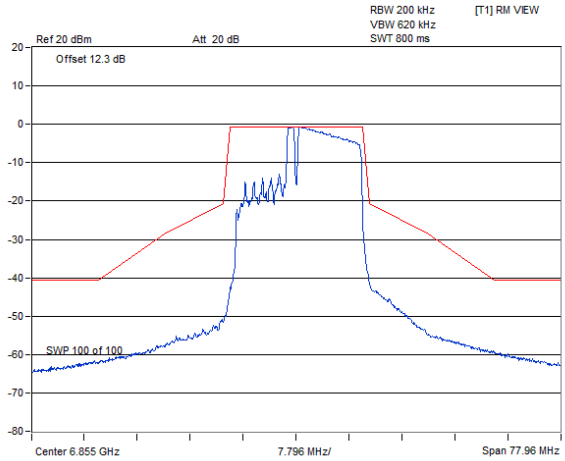
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 1



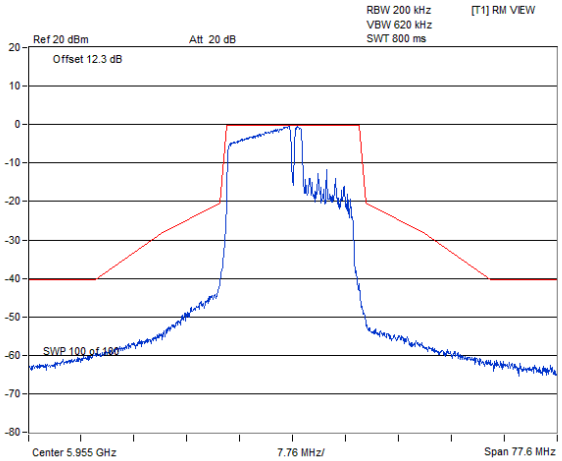
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 93



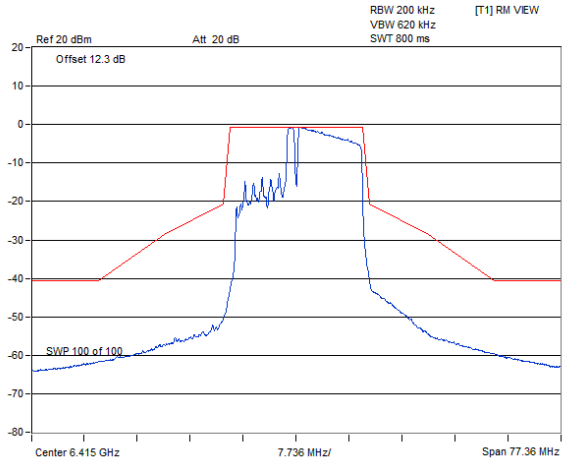
802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 117



802.11be (EHT20) 106+26-tone MRU / Chain 0 : CH 181

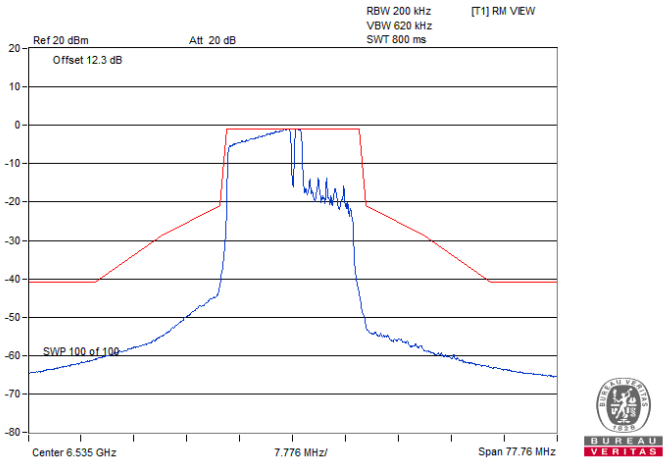


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 1

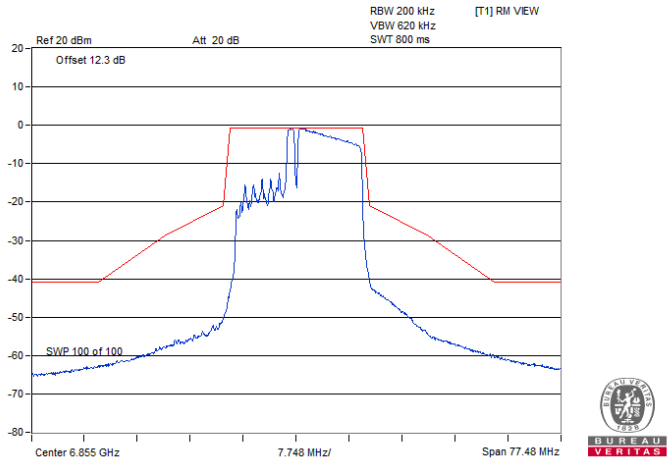


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 93

Spectrum Plot

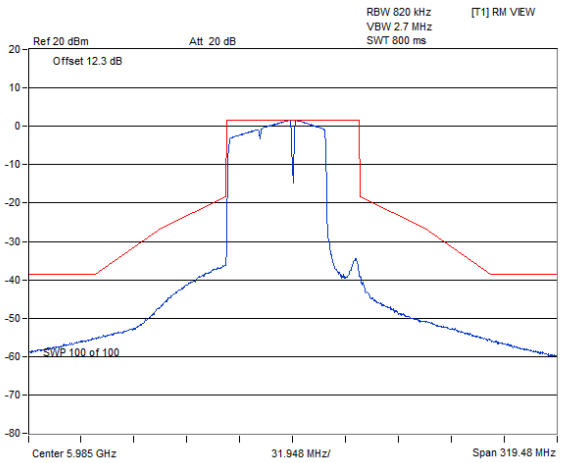
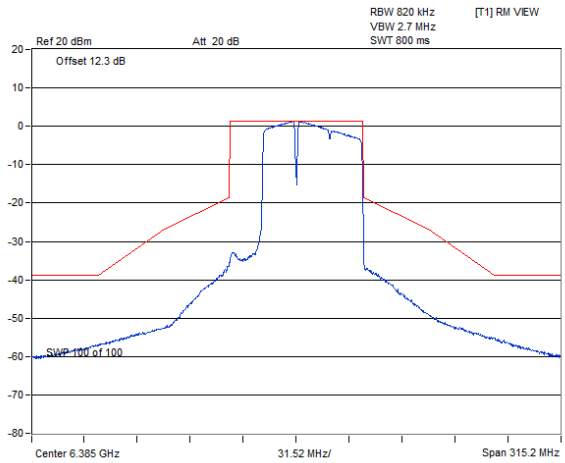
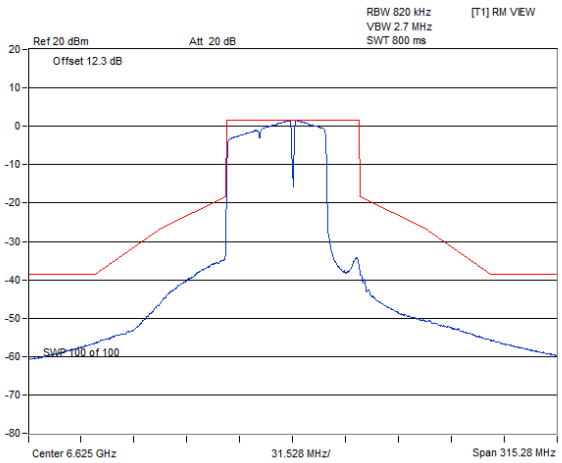
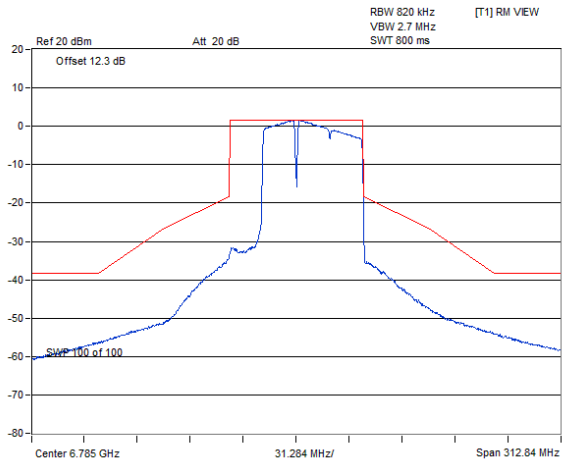
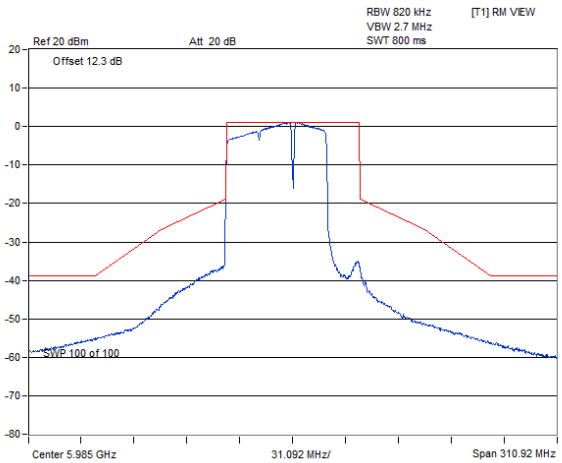
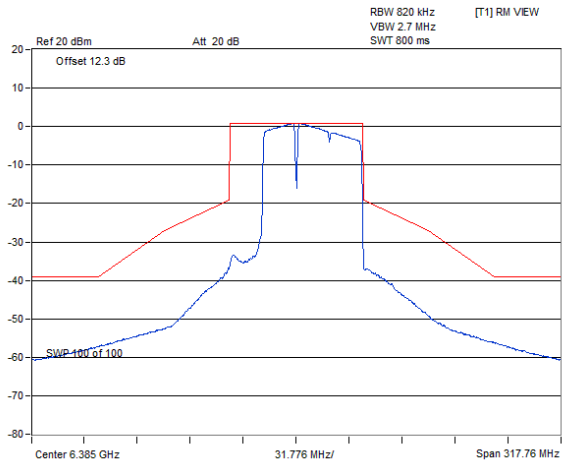


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 117

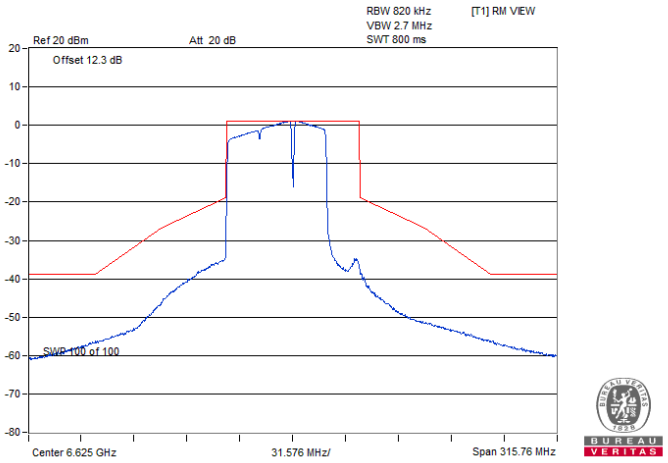


802.11be (EHT20) 106+26-tone MRU / Chain 1 : CH 181

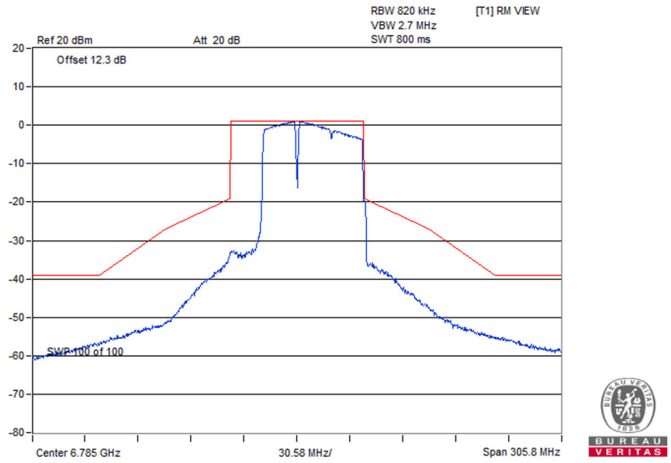
802.11be (EHT80) 484+242-tone MRU 2S2T

Spectrum Plot	
 802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 7	 802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 87
 802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 135	 802.11be (EHT80) 484+242-tone MRU / Chain 0 : CH 167
 802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 7	 802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 87

Spectrum Plot

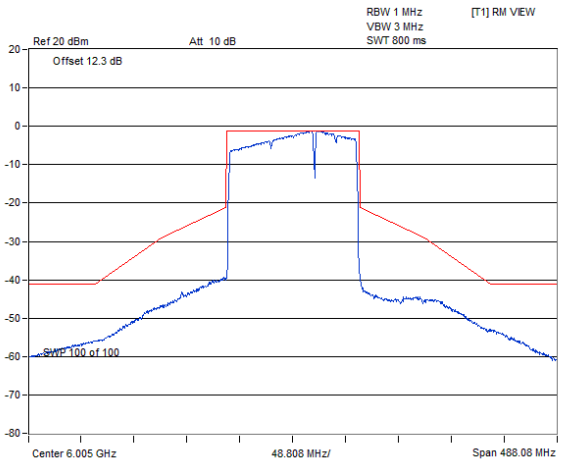
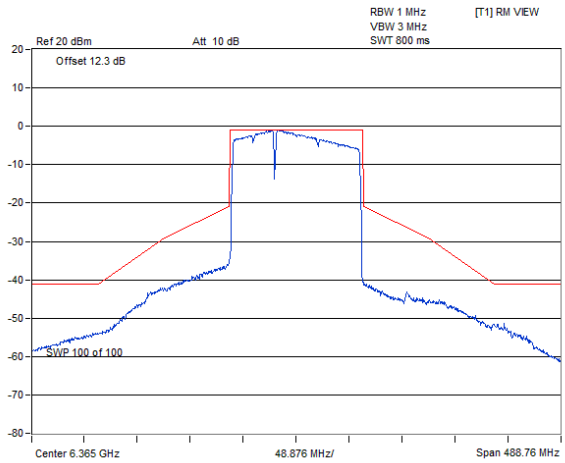
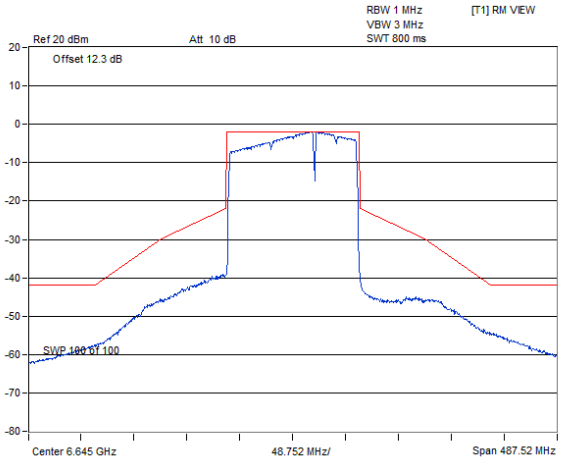
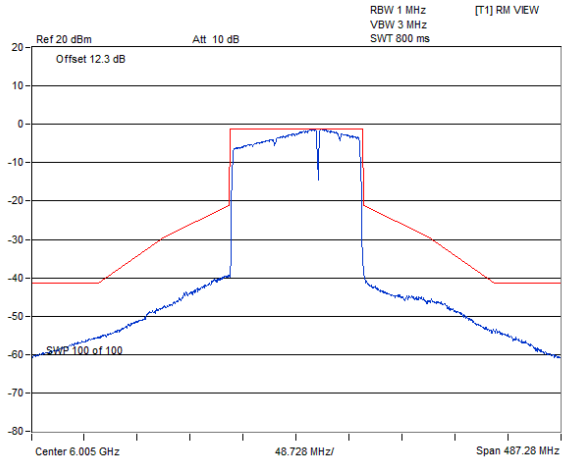
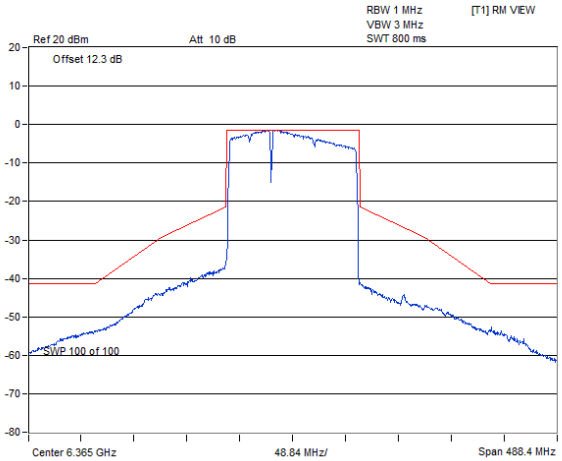
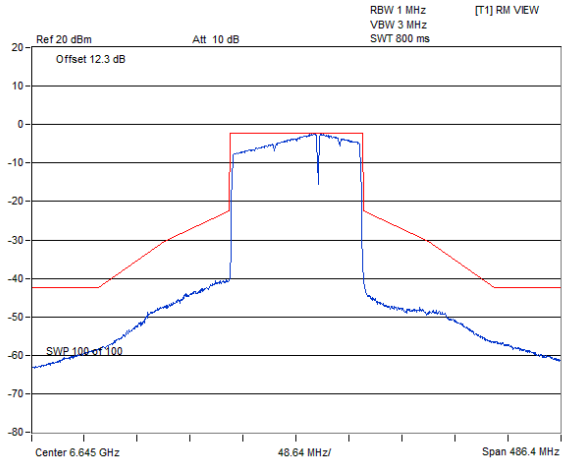


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 135

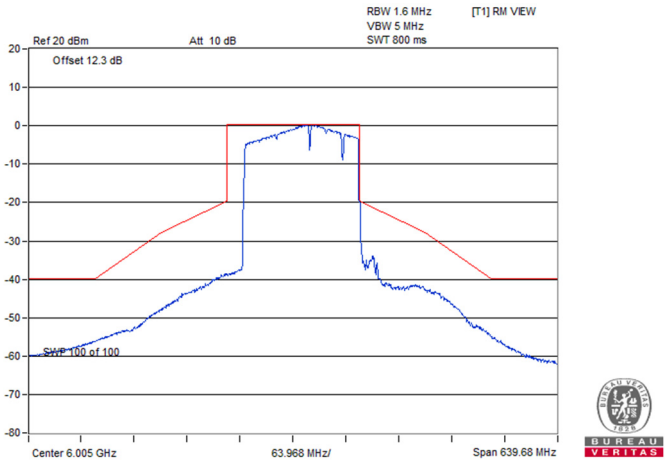
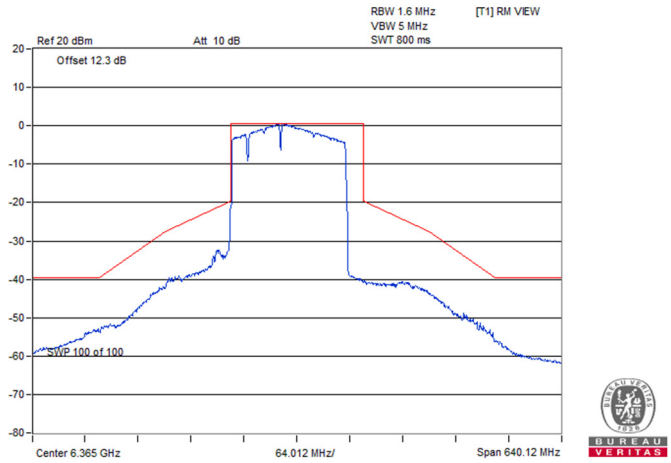
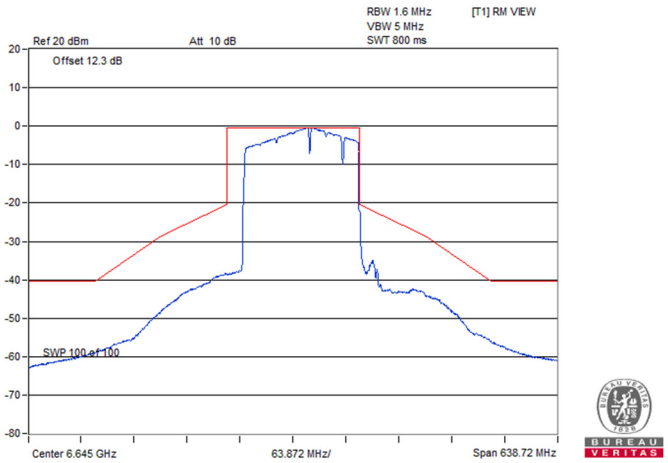
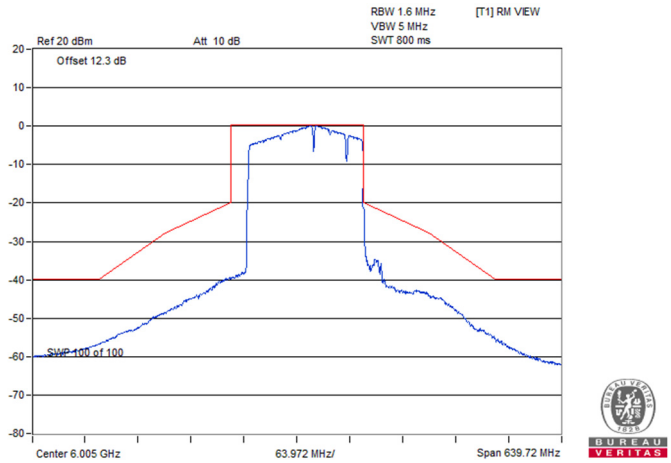
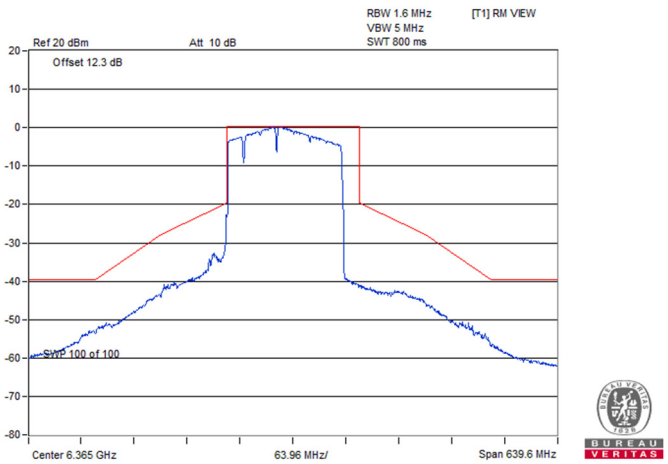
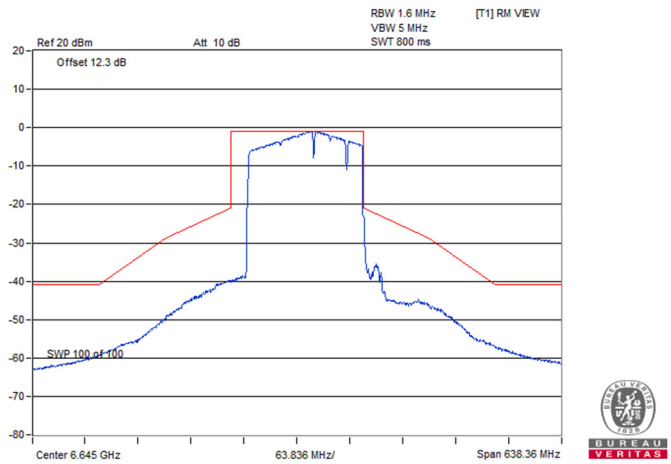


802.11be (EHT80) 484+242-tone MRU / Chain 1 : CH 167

802.11be (EHT160) 996+484-tone MRU 2S2T

Spectrum Plot	
 802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 15	 802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 79
 802.11be (EHT160) 996+484-tone MRU / Chain 0 : CH 143	 802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 15
 802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 79	 802.11be (EHT160) 996+484-tone MRU / Chain 1 : CH 143

802.11be (EHT160) 996+484+242-tone MRU 2S2T

Spectrum Plot	
 802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 15	 802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 79
 802.11be (EHT160) 996+484+242-tone MRU / Chain 0 : CH 143	 802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 15
 802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 79	 802.11be (EHT160) 996+484+242-tone MRU / Chain 1 : CH 143

7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

under control of a low-power indoor AP

802.11a 1TX

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	16.26
45	6175	16.26
93	6415	16.32
97	6435	16.32
105	6475	16.32
113	6515	16.32
117	6535	16.32
149	6695	16.26
181	6855	16.32
185	6875	16.32
209	6995	16.26
233	7115	16.14

802.11be (EHT20) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.78
45	6175	18.72
93	6415	18.78
97	6435	18.66
105	6475	18.72
113	6515	18.72
117	6535	18.72
149	6695	18.78
181	6855	18.84
185	6875	18.84
209	6995	18.84
233	7115	18.78

802.11be (EHT40) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
3	5965	37.56
43	6165	37.44
91	6405	37.56
99	6445	37.68
107	6485	37.68
115	6525	37.56
123	6565	37.56
155	6725	37.68
179	6845	37.68
187	6885	37.44
211	7005	37.44
227	7085	37.56

802.11be (EHT80) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	76.8
39	6145	76.8
87	6385	76.8
103	6465	76.8
119	6545	76.8
151	6705	76.8
183	6865	76.8
199	6945	76.32
215	7025	76.8

802.11be (EHT160) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	155.04
47	6185	155.52
79	6345	156
111	6505	155.52
143	6665	155.52
175	6825	155.52
207	6985	155.52

802.11be (EHT20) 26-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.3
93	6415	18.12
97	6435	18.06
113	6515	18.24
117	6535	18.18
185	6875	18.18
209	6995	18.24
233	7115	18.18

802.11be (EHT20) 52-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.18
93	6415	18.18
97	6435	18.18
113	6515	18.06
117	6535	18.18
185	6875	18.06
209	6995	17.94
233	7115	18.12

802.11be (EHT20) 106-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.18
93	6415	18.06
97	6435	18.06
113	6515	18.12
117	6535	18.18
185	6875	18.12
209	6995	18.18
233	7115	18.24

802.11be (EHT20) 52+26-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	16.74
93	6415	16.8
97	6435	17.1
113	6515	17.16
117	6535	17.16
185	6875	17.1
209	6995	16.86
233	7115	17.04

802.11be (EHT20) 106+26-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	17.82
93	6415	17.76
97	6435	17.82
113	6515	17.82
117	6535	17.82
185	6875	17.82
209	6995	17.76
233	7115	17.76

802.11be (EHT80) 484+242-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	58.08
87	6385	58.32
103	6465	58.08
119	6545	58.32
183	6865	58.08
199	6945	58.32
215	7025	58.32

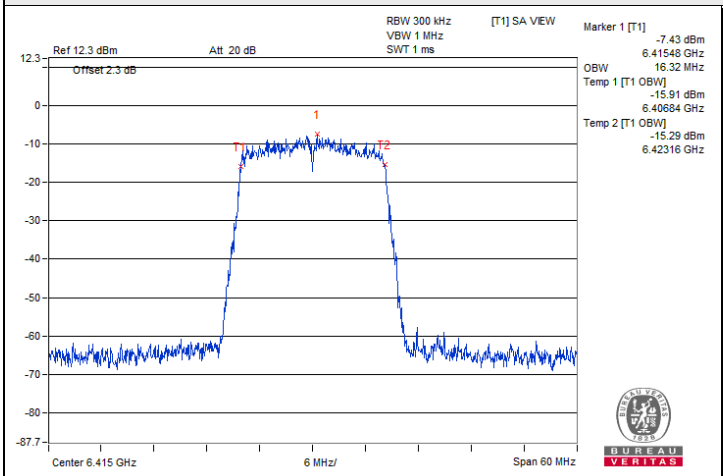
802.11be (EHT160) 996+484-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	116.64
79	6345	116.64
111	6505	116.64
143	6665	116.16
175	6825	117.12
207	6985	116.64

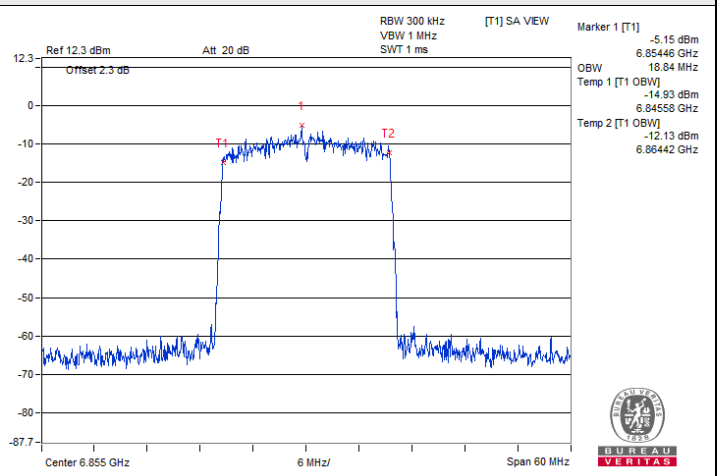
802.11be (EHT160) 996+484+242-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	137.28
79	6345	137.76
111	6505	136.8
143	6665	136.8
175	6825	136.8
207	6985	137.28

Spectrum Plot of Maximum Value

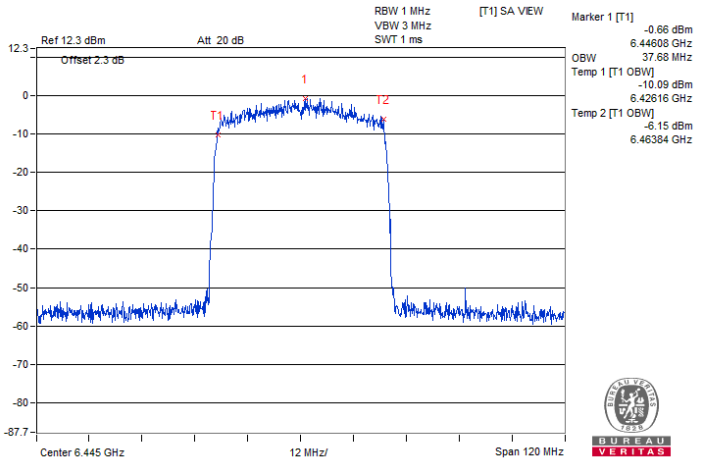


802.11a 1TX : CH 93

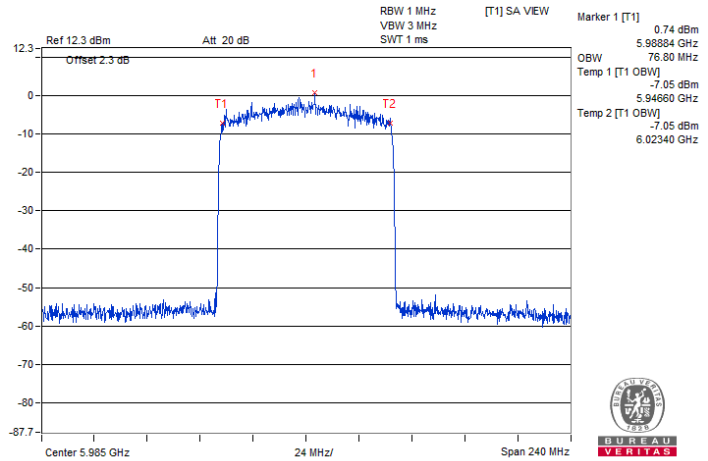


802.11be (EHT20) 1S1T : CH 181

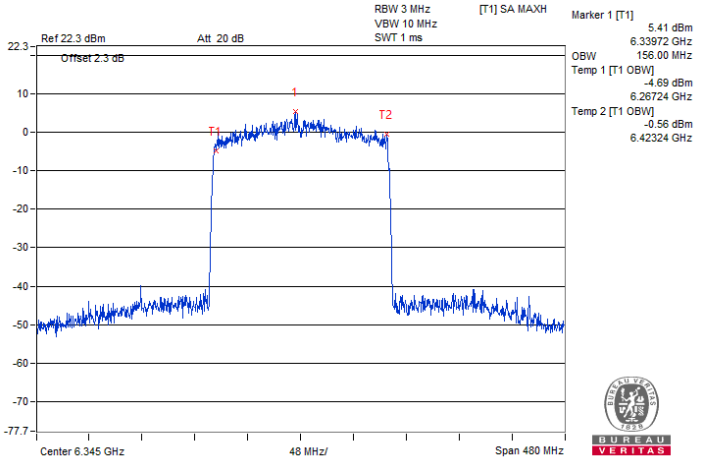
Spectrum Plot of Maximum Value



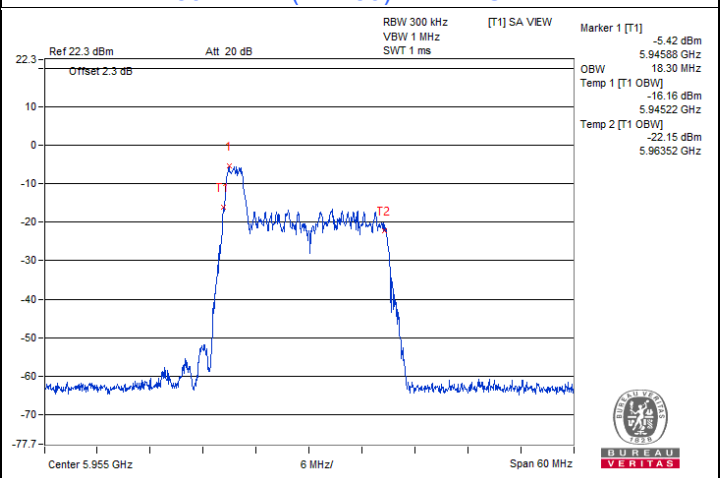
802.11be (EHT40) 1S1T : CH 99



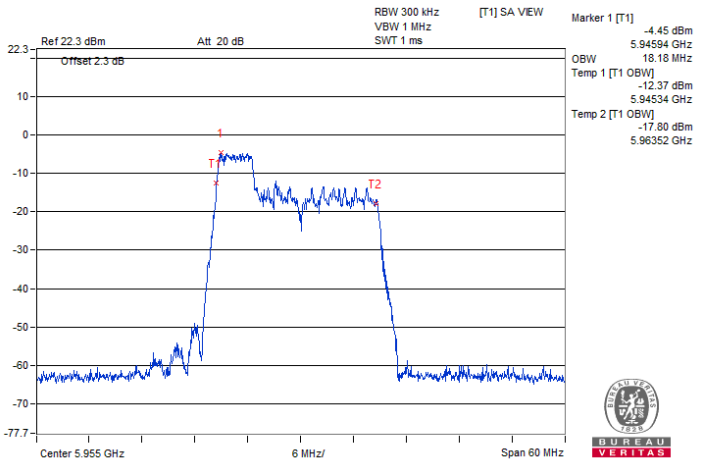
802.11be (EHT80) 1S1T : CH 7



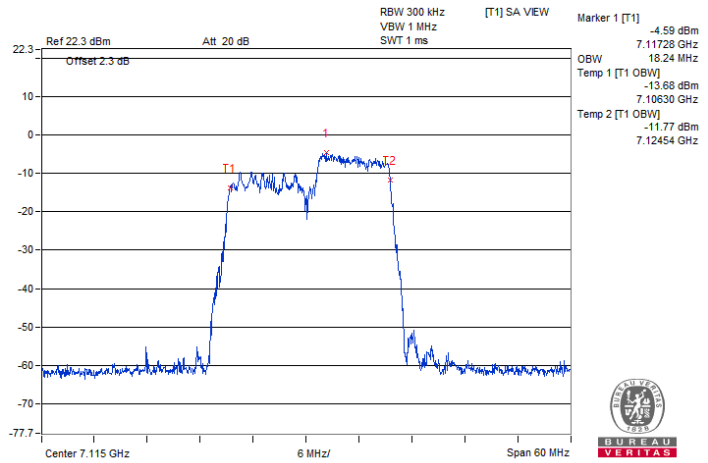
802.11be (EHT160) 1S1T : CH 79



802.11be (EHT20) 26-tone RU 1S1T : CH 1

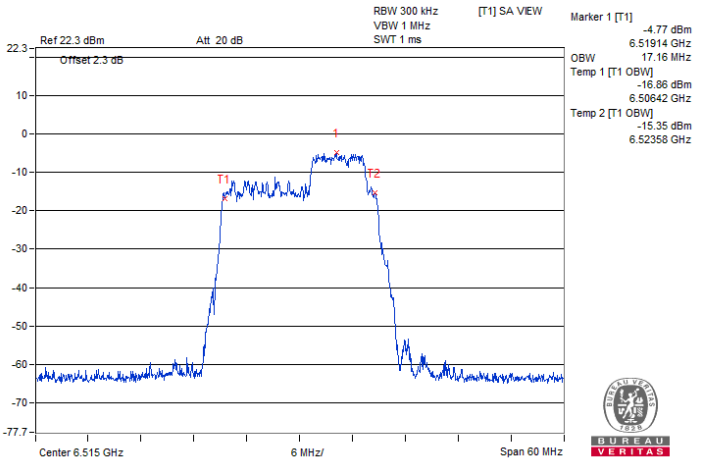


802.11be (EHT20) 52-tone RU 1S1T : CH 1

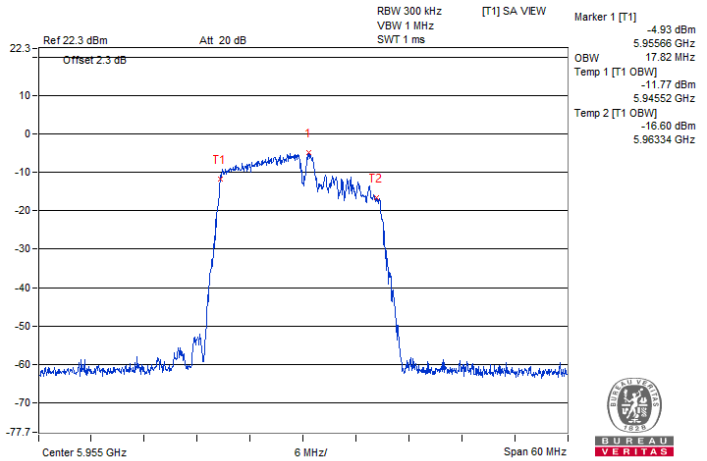


802.11be (EHT20) 106-tone RU 1S1T : CH 233

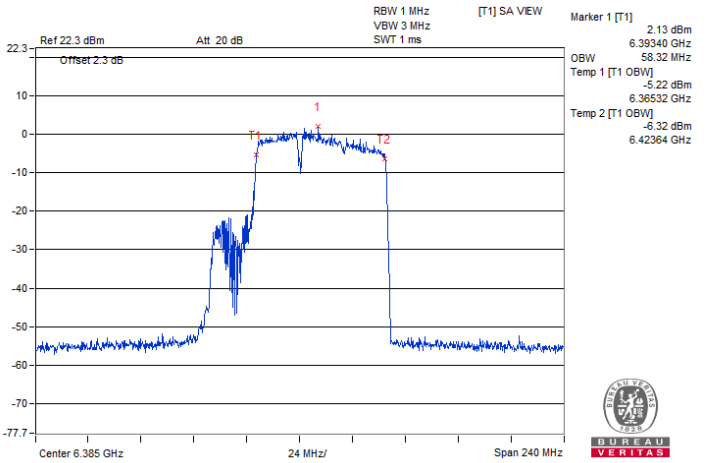
Spectrum Plot of Maximum Value



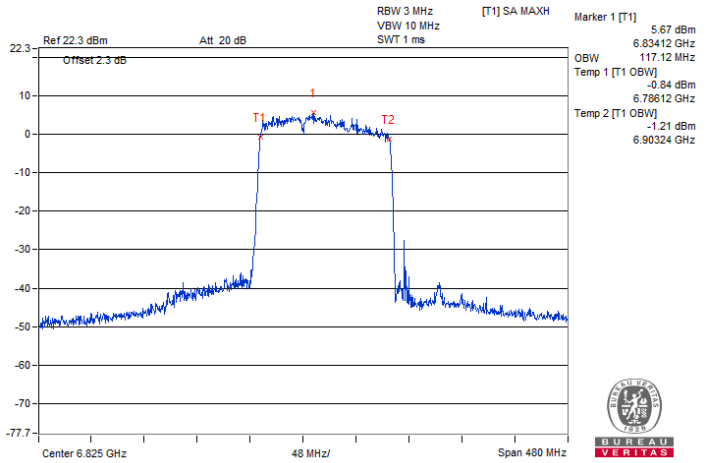
802.11be (EHT20) 52+26-tone MRU 1S1T : CH 113



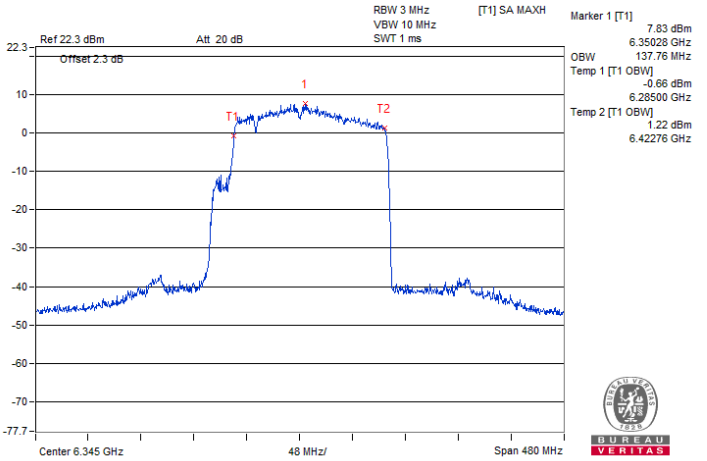
802.11be (EHT20) 106+26-tone MRU 1S1T : CH 1



802.11be (EHT80) 484+242-tone MRU 1S1T : CH 87



802.11be (EHT160) 996+484-tone MRU 1S1T : CH 175



802.11be (EHT160) 996+484+242-tone MRU 1S1T : CH 79

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

802.11a 2TX

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	16.26	16.32
45	6175	16.32	16.26
93	6415	16.32	16.32
97	6435	16.32	16.26
105	6475	16.32	16.32
113	6515	16.26	16.32
117	6535	16.26	16.26
149	6695	16.32	16.32
181	6855	16.38	16.26
185	6875	16.38	16.32
209	6995	16.20	16.26
233	7115	16.26	16.26

802.11be (EHT20) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.66	18.78
45	6175	18.78	18.72
93	6415	18.78	18.78
97	6435	18.78	18.78
105	6475	18.72	18.84
113	6515	18.78	18.78
117	6535	18.78	18.78
149	6695	18.78	18.78
181	6855	18.72	18.84
185	6875	18.78	18.72
209	6995	18.72	18.72
233	7115	18.72	18.72

802.11be (EHT40) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	37.56	37.44
43	6165	37.56	37.44
91	6405	37.56	37.44
99	6445	37.56	37.56
107	6485	37.68	37.44
115	6525	37.56	37.68
123	6565	37.56	37.56
155	6725	37.56	37.56
179	6845	37.68	37.68
187	6885	37.56	37.44
211	7005	37.44	37.56
227	7085	37.68	37.56

802.11be (EHT80) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	76.80	77.04
39	6145	76.80	76.56
87	6385	76.80	76.80
103	6465	76.80	76.56
119	6545	77.04	76.80
151	6705	76.80	77.04
183	6865	76.80	77.04
199	6945	76.80	76.80
215	7025	76.80	76.80

802.11be (EHT160) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	155.52	155.52
47	6185	155.04	155.52
79	6345	155.04	155.04
111	6505	155.52	155.52
143	6665	155.04	155.04
175	6825	155.52	155.52
207	6985	155.04	155.52

802.11be (EHT20) 26-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.24	18.18
93	6415	18.30	18.30
97	6435	18.30	18.18
113	6515	18.24	18.24
117	6535	18.12	18.18
185	6875	18.24	18.24
209	6995	18.18	18.18
233	7115	18.30	18.30

802.11be (EHT20) 52-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.12	18.12
93	6415	18.18	18.12
97	6435	18.06	18.06
113	6515	18.12	18.18
117	6535	18.18	18.12
185	6875	18.12	18.12
209	6995	18.12	18.18
233	7115	18.12	18.18

802.11be (EHT20) 106-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.18	18.12
93	6415	18.12	18.12
97	6435	18.18	18.06
113	6515	18.12	18.12
117	6535	18.18	18.12
185	6875	18.12	18.12
209	6995	18.18	18.12
233	7115	18.18	18.06

802.11be (EHT20) 52+26-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	17.16	17.10
93	6415	17.22	17.16
97	6435	17.16	17.04
113	6515	17.16	17.10
117	6535	17.22	17.04
185	6875	17.04	17.04
209	6995	17.16	17.10
233	7115	17.16	17.04

802.11be (EHT20) 106+26-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	17.82	17.70
93	6415	17.82	17.82
97	6435	17.88	17.58
113	6515	17.82	17.76
117	6535	17.88	17.82
185	6875	17.82	17.76
209	6995	17.76	17.76
233	7115	17.82	17.76

802.11be (EHT80) 484+242-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	58.32	58.08
87	6385	58.08	58.32
103	6465	58.32	58.08
119	6545	58.32	58.32
183	6865	58.08	58.08
199	6945	58.08	58.08
215	7025	58.08	58.32

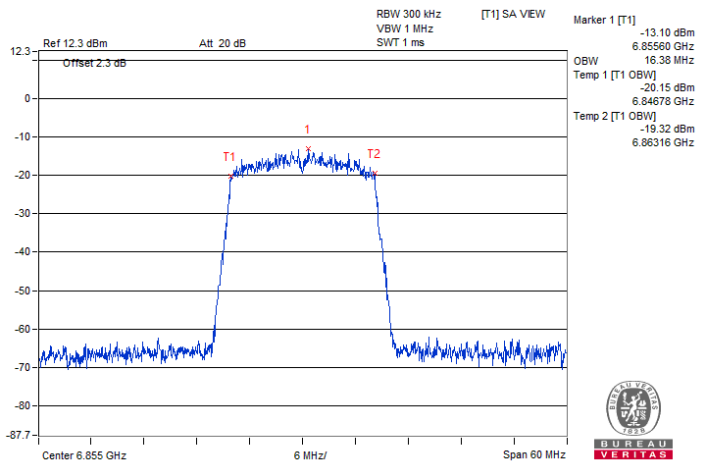
802.11be (EHT160) 996+484-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	117.12	117.12
79	6345	117.12	117.12
111	6505	117.12	117.12
143	6665	117.12	116.64
175	6825	116.16	117.12
207	6985	116.64	116.64

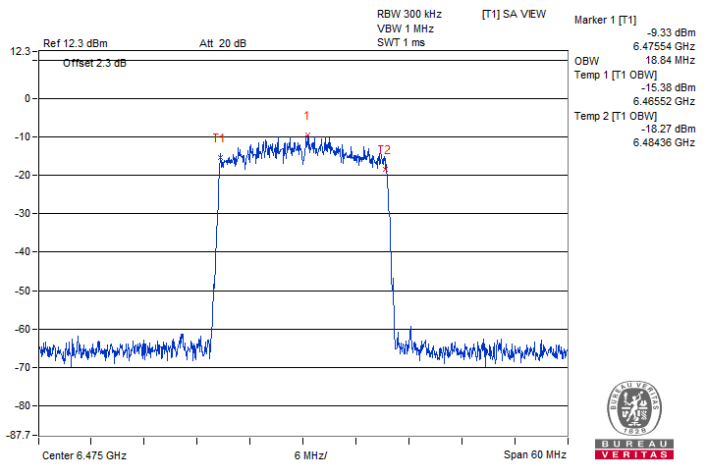
802.11be (EHT160) 996+484+242-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	137.28	137.28
79	6345	137.28	137.76
111	6505	137.28	136.80
143	6665	137.28	136.80
175	6825	137.28	137.28
207	6985	137.28	137.28

Spectrum Plot of Maximum Value

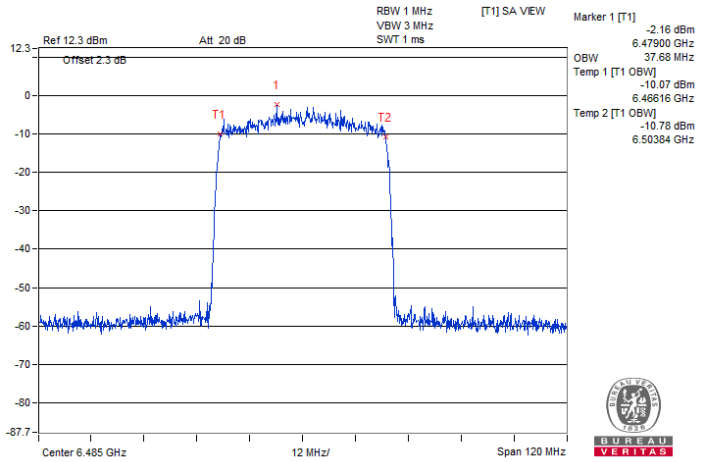


802.11a 2TX / Chain 0 : CH 181

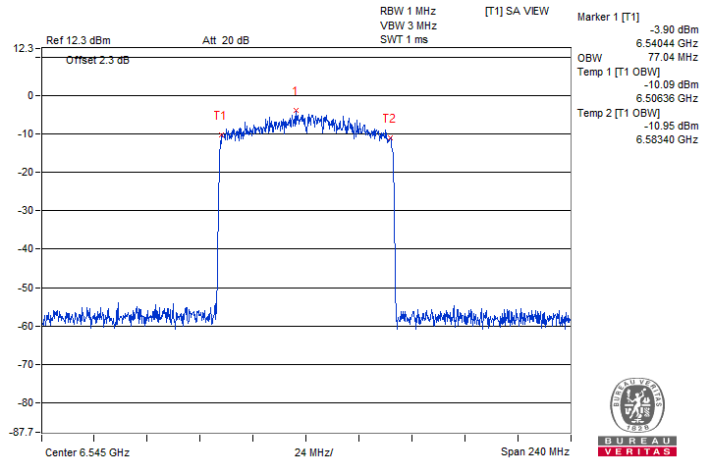


802.11be (EHT20) 2S2T / Chain 1 : CH 105

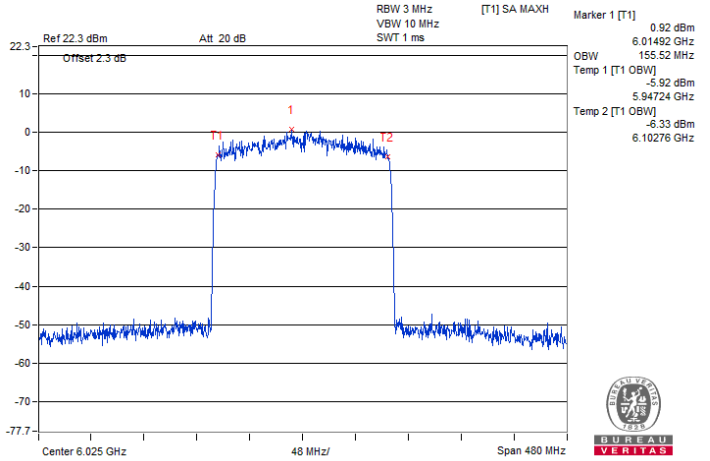
Spectrum Plot of Maximum Value



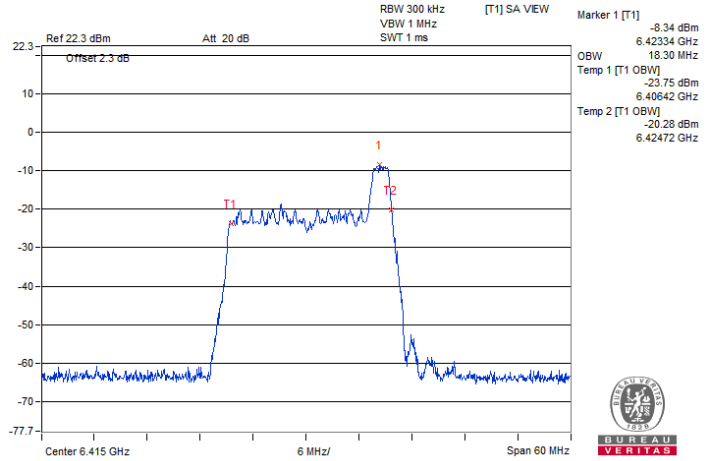
802.11be (EHT40) 2S2T / Chain 0 : CH 107



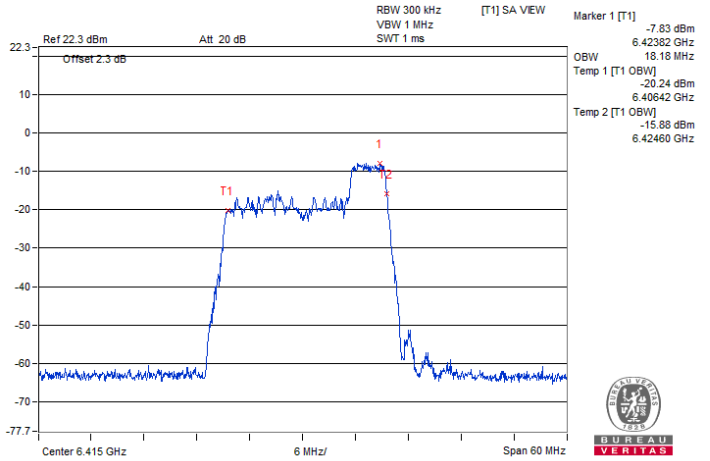
802.11be (EHT80) 2S2T / Chain 0 : CH 119



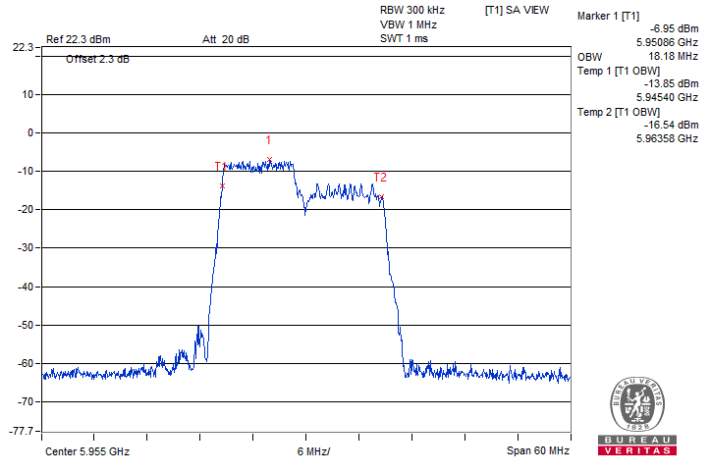
802.11be (EHT160) 2S2T / Chain 0 : CH 15



802.11be (EHT20) 26-tone RU 2S2T / Chain 0 : CH 93

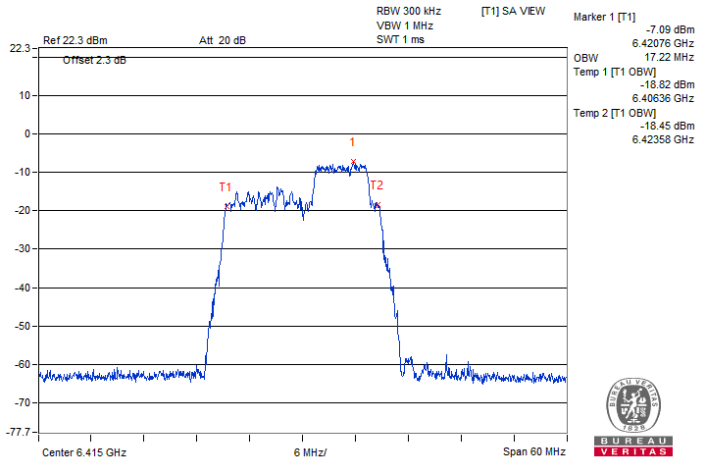


802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 93

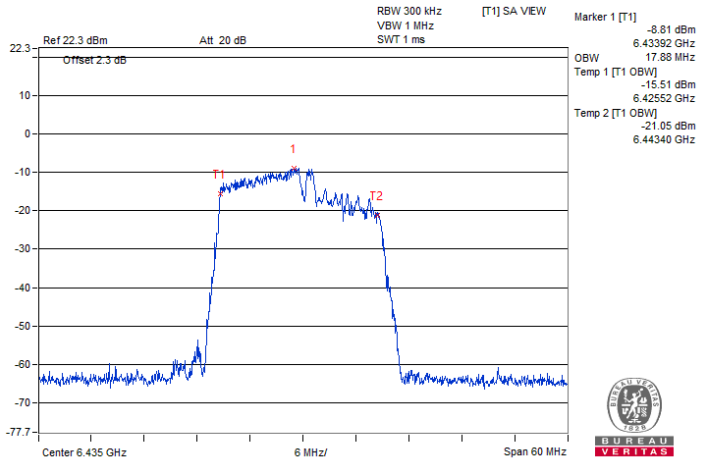


802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 1

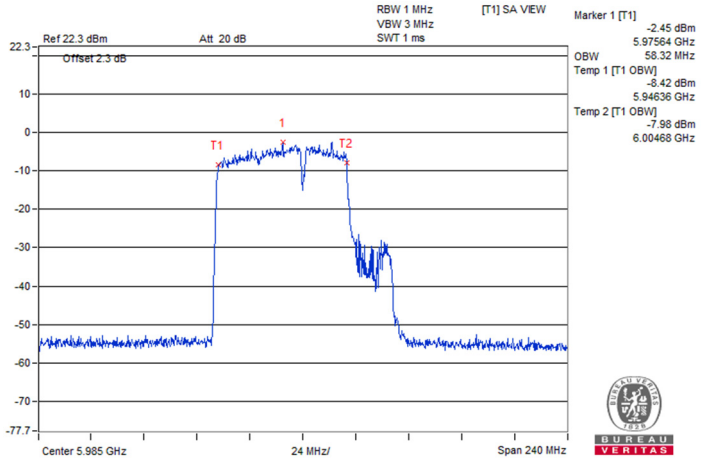
Spectrum Plot of Maximum Value



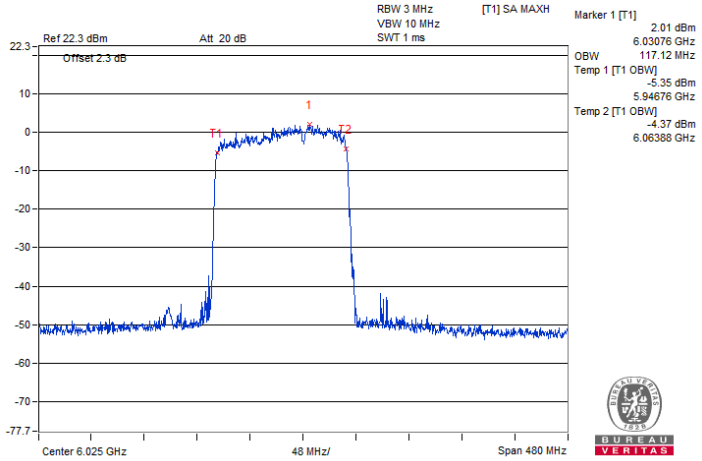
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 93



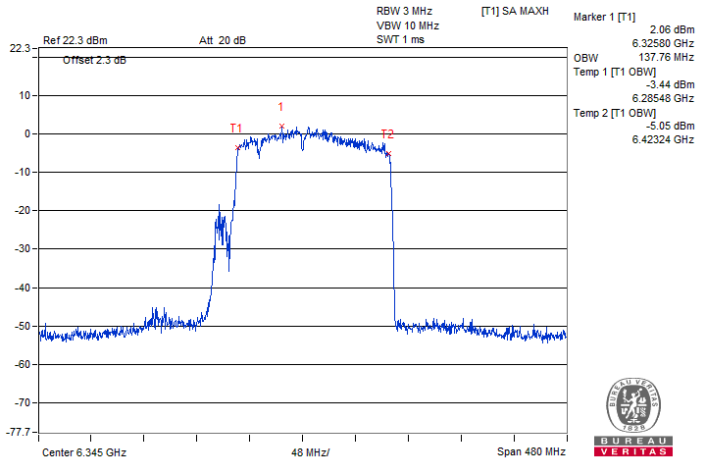
802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 97



802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0 : CH 7



802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0 : CH 15



802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain 1 : CH 79

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

under control of a Standard Power AP

802.11a 1TX

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	16.38
45	6175	16.32
93	6415	16.32
117	6535	16.32
149	6695	16.32
181	6855	16.32

802.11be (EHT20) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.78
45	6175	18.78
93	6415	18.78
117	6535	18.78
149	6695	18.84
181	6855	18.84

802.11be (EHT40) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
3	5965	37.8
43	6165	37.8
91	6405	37.68
123	6565	37.56
155	6725	37.68
179	6845	37.56

802.11be (EHT80) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	77.04
39	6145	76.8
87	6385	76.8
135	6625	76.8
151	6705	76.8
167	6785	76.56

802.11be (EHT160) 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	155.52
47	6185	156
79	6345	155.52
143	6665	155.52

802.11be (EHT20) 26-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.24
93	6415	18.24
117	6535	18.18
181	6855	18.24

802.11be (EHT20) 52-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.18
93	6415	18.18
117	6535	18.12
181	6855	18.06

802.11be (EHT20) 106-tone RU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	18.12
93	6415	18.12
117	6535	18.12
181	6855	18.12

802.11be (EHT20) 52+26-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	17.04
93	6415	17.22
117	6535	17.16
181	6855	17.16

802.11be (EHT20) 106+26-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
1	5955	17.76
93	6415	17.88
117	6535	17.82
181	6855	17.82

802.11be (EHT80) 484+242-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
7	5985	58.32
87	6385	58.32
135	6625	58.56
167	6785	58.08

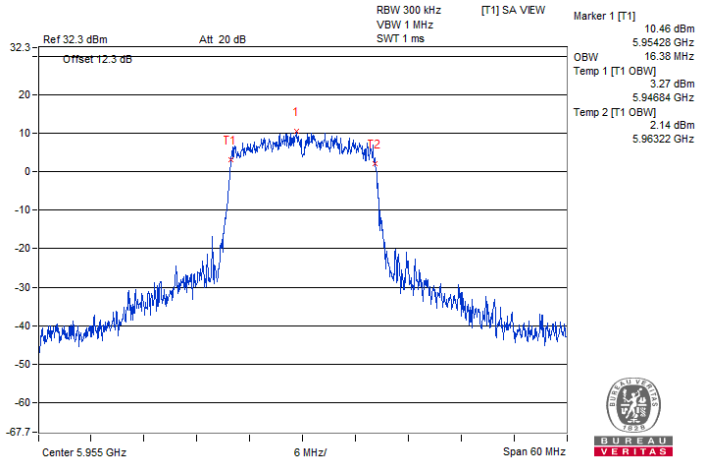
802.11be (EHT160) 996+484-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	116.64
79	6345	117.12
143	6665	117.12

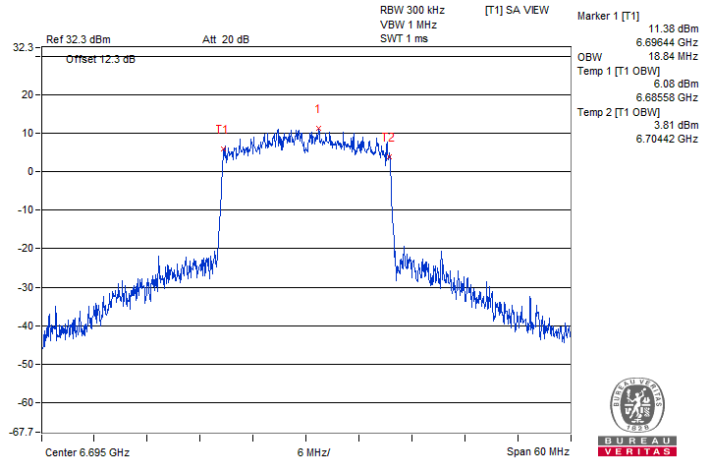
802.11be (EHT160) 996+484+242-tone MRU 1S1T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
15	6025	137.28
79	6345	136.8
143	6665	136.32

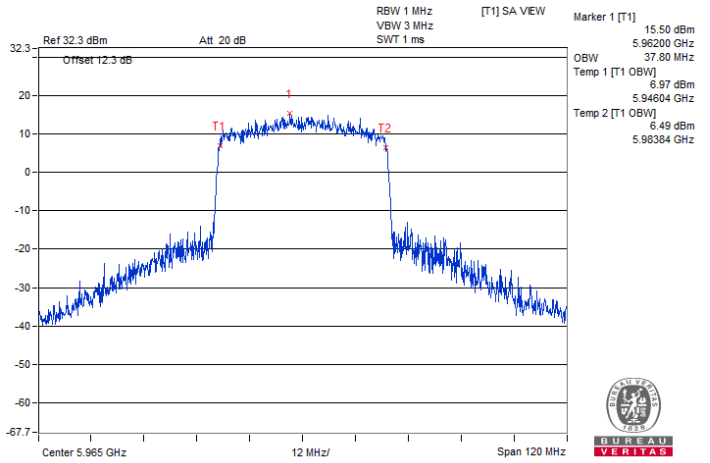
Spectrum Plot of Maximum Value



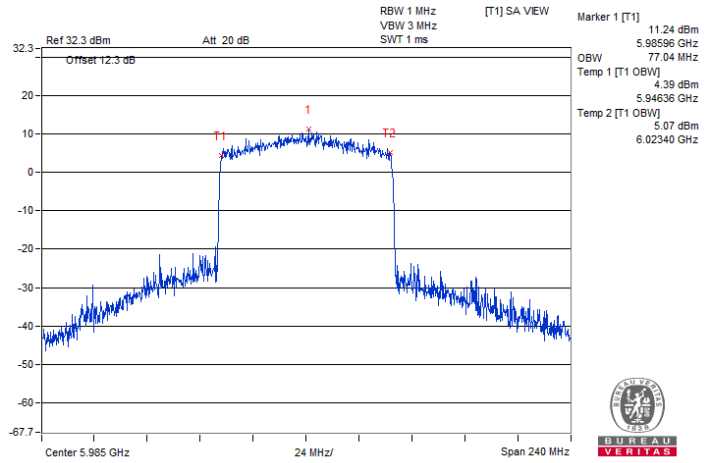
802.11a 1TX : CH 1



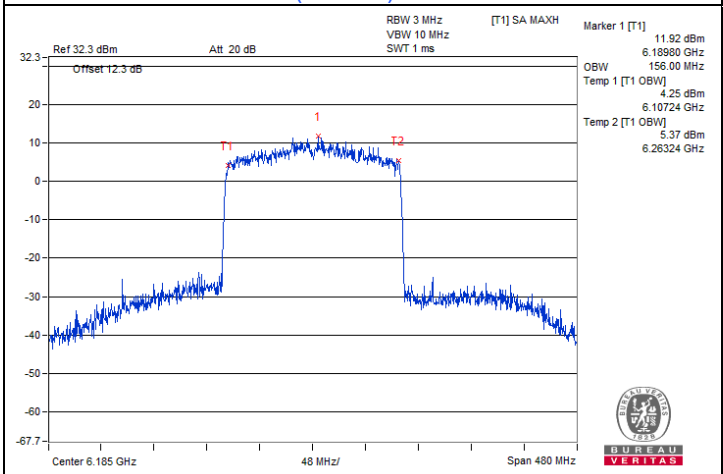
802.11be (EHT20) 1S1T : CH 149



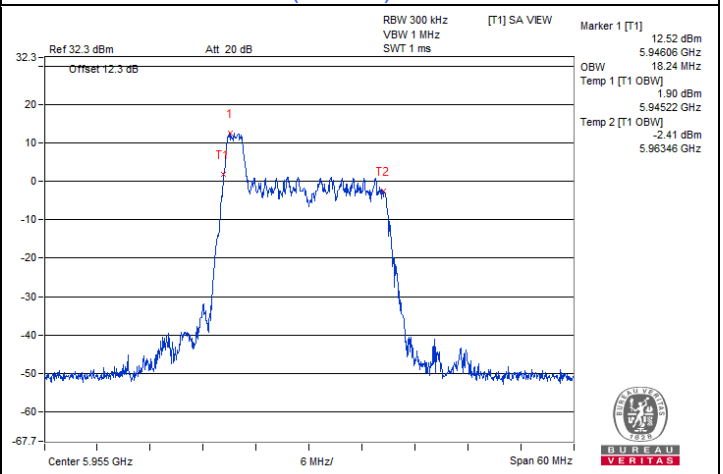
802.11be (EHT40) 1S1T : CH 3



802.11be (EHT80) 1S1T : CH 7

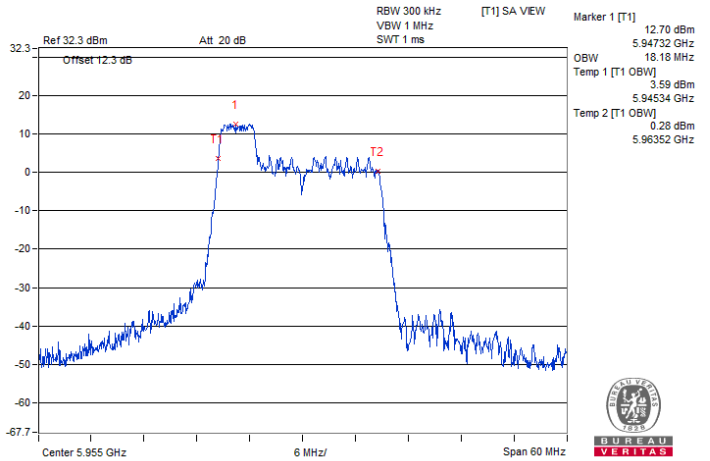


802.11be (EHT160) 1S1T : CH 47

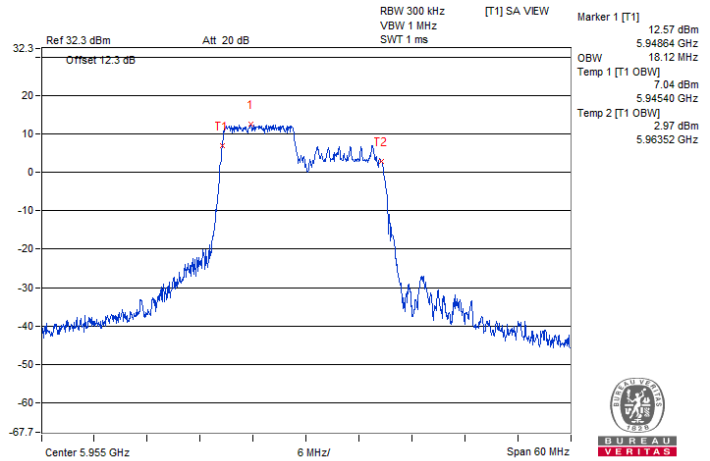


802.11be (EHT20) 26-tone RU 1S1T : CH 1

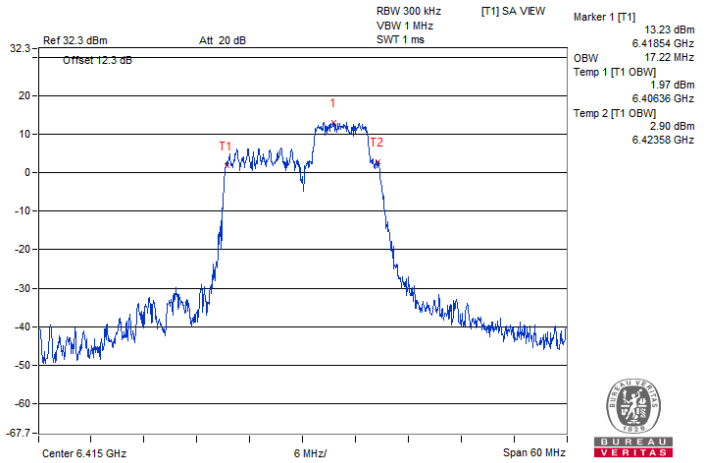
Spectrum Plot of Maximum Value



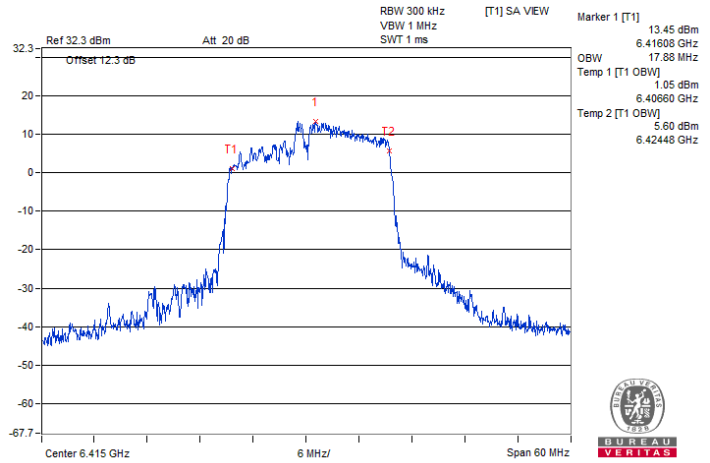
802.11be (EHT20) 52-tone RU 1S1T : CH 1



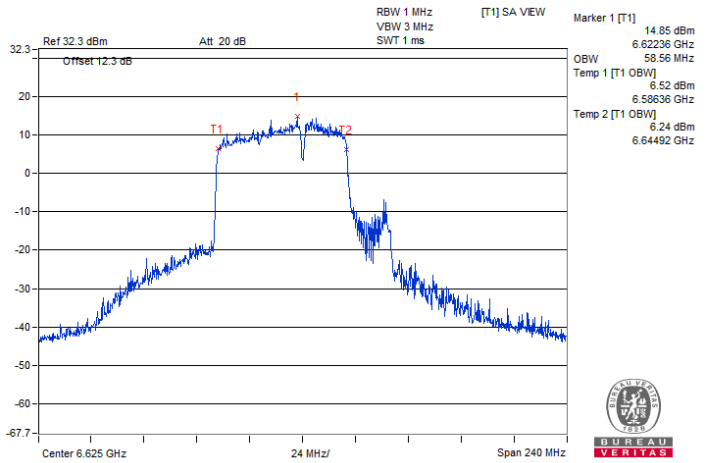
802.11be (EHT20) 106-tone RU 1S1T : CH 1



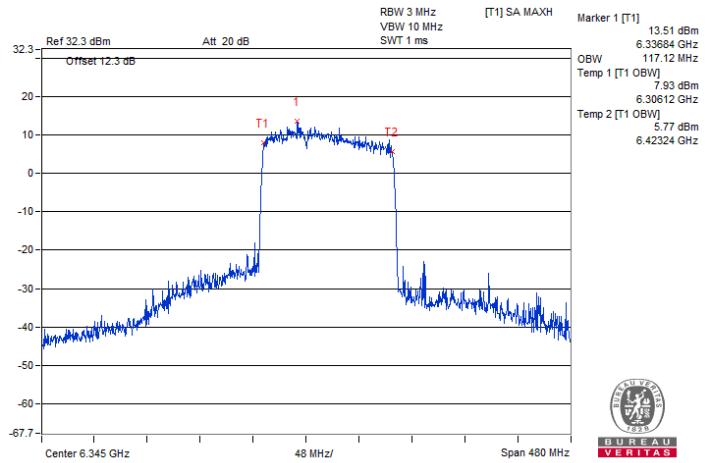
802.11be (EHT20) 52+26-tone MRU 1S1T : CH 93



802.11be (EHT20) 106+26-tone MRU 1S1T : CH 93

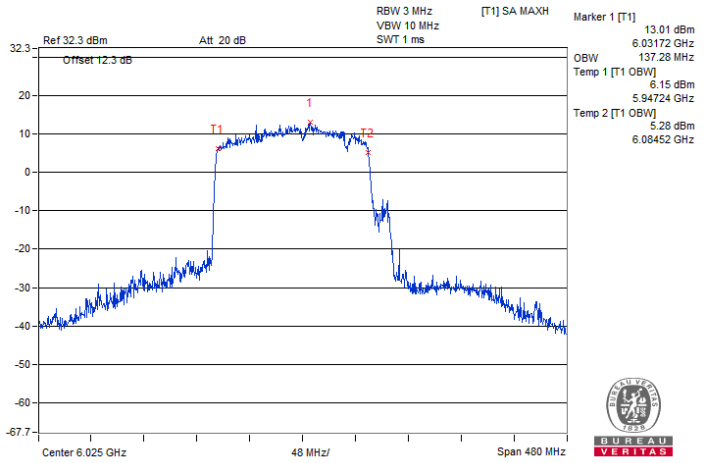


802.11be (EHT80) 484+242-tone MRU 1S1T : CH 135



802.11be (EHT160) 996+484-tone MRU 1S1T : CH 79

Spectrum Plot of Maximum Value



802.11be (EHT160) 996+484+242-tone MRU 1S1T : CH 15

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

802.11a 2TX

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	16.32	16.26
45	6175	16.26	16.32
93	6415	16.32	16.26
117	6535	16.26	16.38
149	6695	16.32	16.32
181	6855	16.32	16.26

802.11be (EHT20) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.72	18.78
45	6175	18.78	18.72
93	6415	18.84	18.78
117	6535	18.78	18.78
149	6695	18.78	18.84
181	6855	18.84	18.78

802.11be (EHT40) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	37.68	37.80
43	6165	37.68	37.44
91	6405	37.56	37.68
123	6565	37.56	37.68
155	6725	37.56	37.68
179	6845	37.56	37.68

802.11be (EHT80) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	77.28	76.80
39	6145	77.04	77.04
87	6385	76.80	76.80
135	6625	76.80	76.80
151	6705	76.80	76.80
167	6785	76.80	76.80

802.11be (EHT160) 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	155.52	156.00
47	6185	156.00	156.00
79	6345	155.52	156.00
143	6665	155.52	155.04

802.11be (EHT20) 26-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.24	18.18
93	6415	18.24	18.24
117	6535	18.18	18.24
181	6855	18.18	18.24

802.11be (EHT20) 52-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.18	18.06
93	6415	18.18	18.12
117	6535	18.12	18.06
181	6855	18.18	18.18

802.11be (EHT20) 106-tone RU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.24	18.12
93	6415	18.18	18.12
117	6535	18.24	18.06
181	6855	18.12	18.12

802.11be (EHT20) 52+26-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	17.16	17.10
93	6415	17.16	17.10
117	6535	17.22	16.98
181	6855	17.16	17.10

802.11be (EHT20) 106+26-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	17.88	17.76
93	6415	17.82	17.88
117	6535	17.94	17.76
181	6855	17.76	17.82

802.11be (EHT80) 484+242-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	58.32	58.32
87	6385	58.32	58.32
135	6625	58.32	58.32
167	6785	58.08	58.08

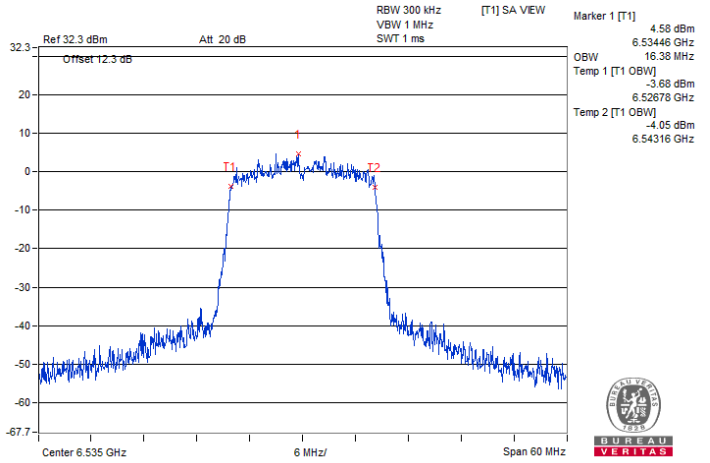
802.11be (EHT160) 996+484-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	116.64	116.64
79	6345	116.64	116.64
143	6665	117.12	117.12

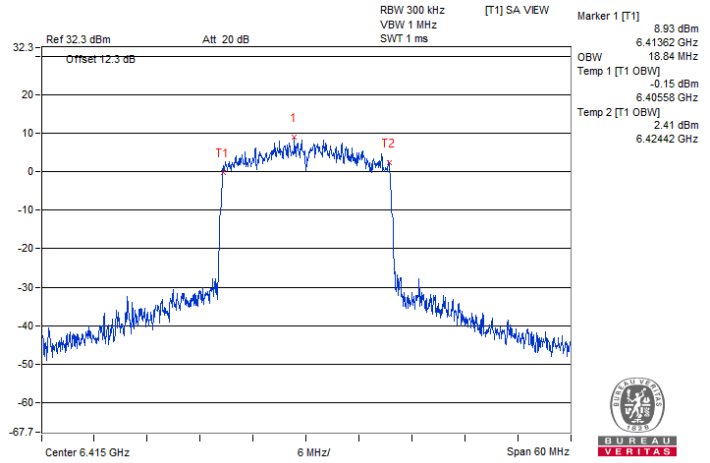
802.11be (EHT160) 996+484+242-tone MRU 2S2T

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	136.80	137.28
79	6345	136.80	137.28
143	6665	137.28	137.28

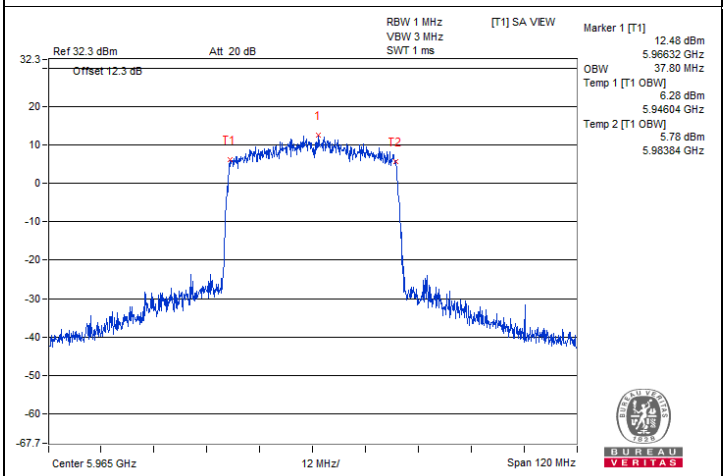
Spectrum Plot of Maximum Value



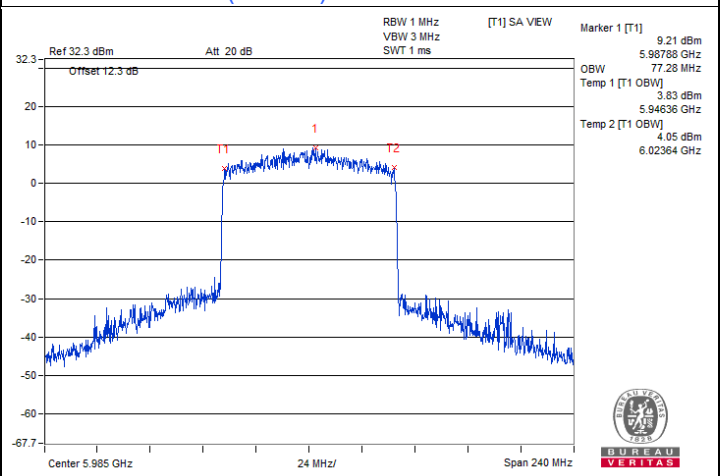
802.11a 2TX / Chain 1 : CH 117



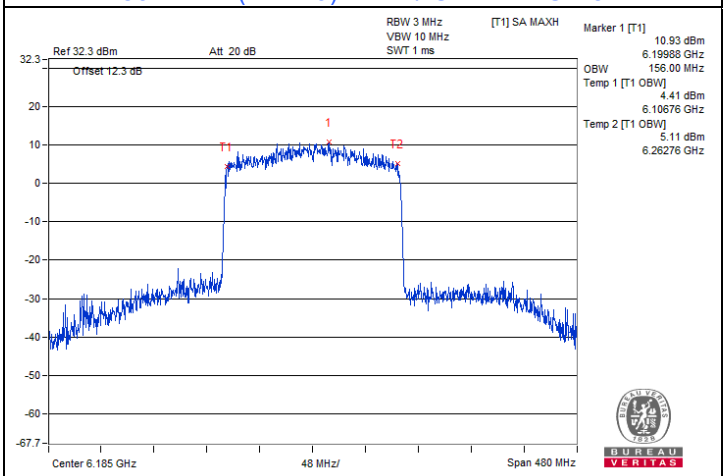
802.11be (EHT20) 2S2T / Chain 0 : CH 93



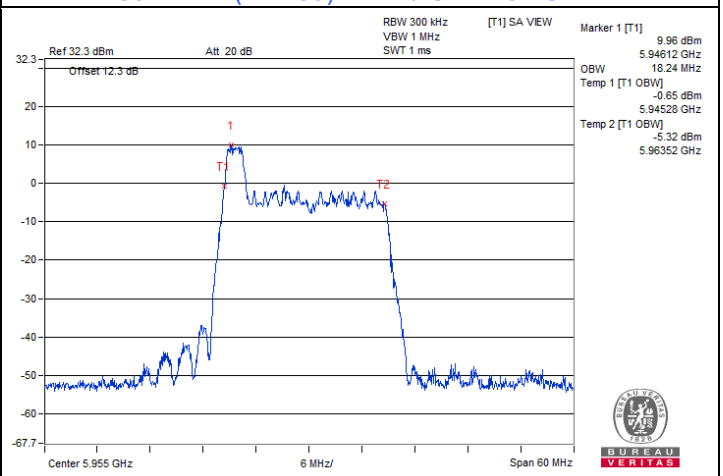
802.11be (EHT40) 2S2T / Chain 1 : CH 3



802.11be (EHT80) 2S2T / Chain 0 : CH 7

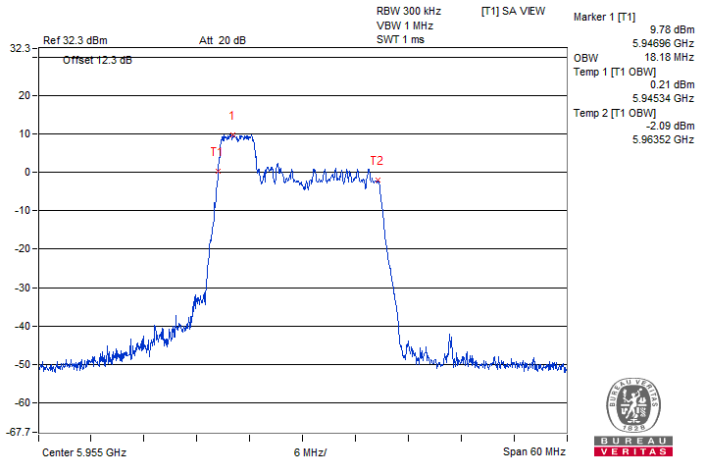


802.11be (EHT160) 2S2T / Chain 0 : CH 47

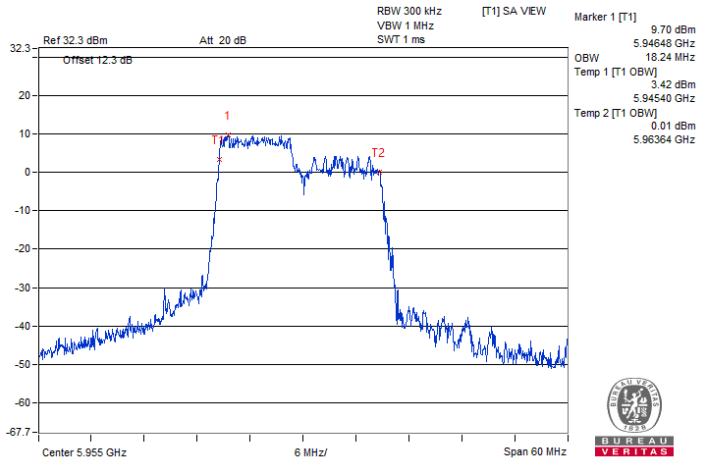


802.11be (EHT20) 26-tone RU 2S2T / Chain 0 : CH 1

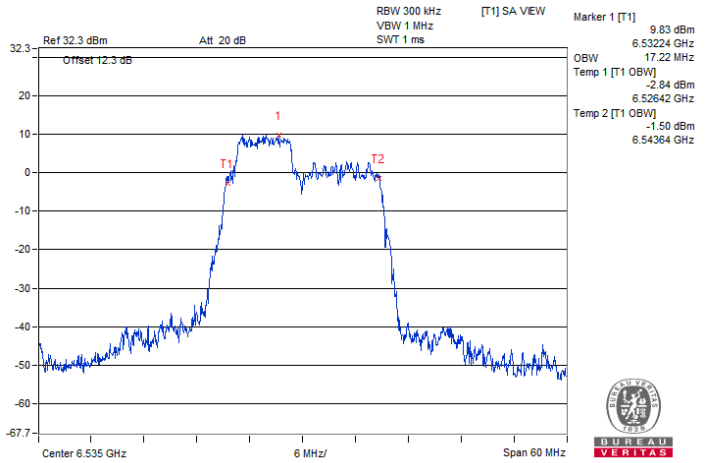
Spectrum Plot of Maximum Value



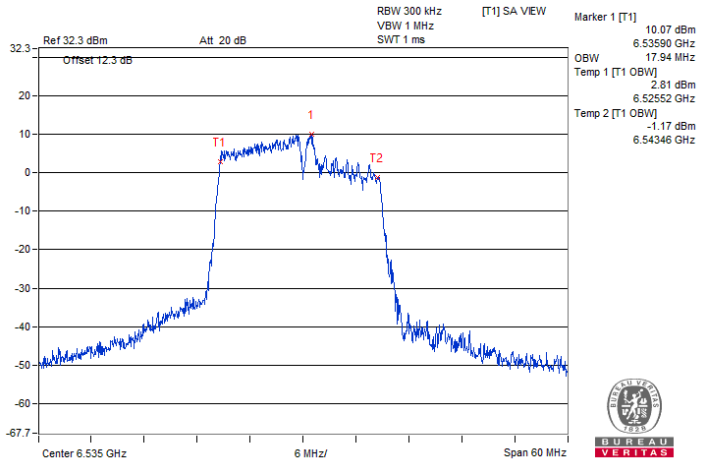
802.11be (EHT20) 52-tone RU 2S2T / Chain 0 : CH 1



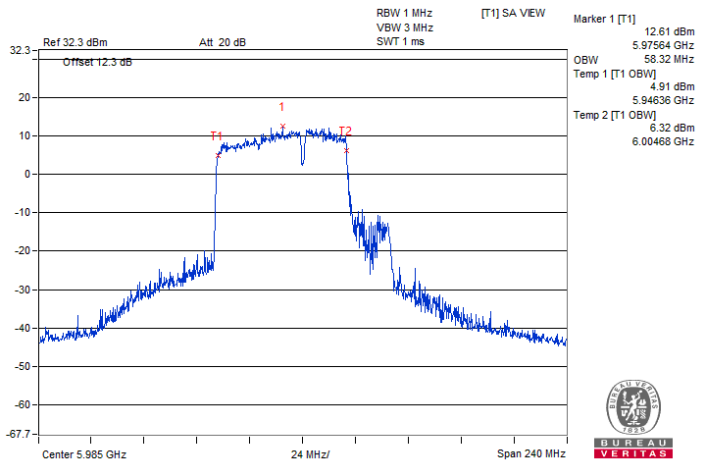
802.11be (EHT20) 106-tone RU 2S2T / Chain 0 : CH 1



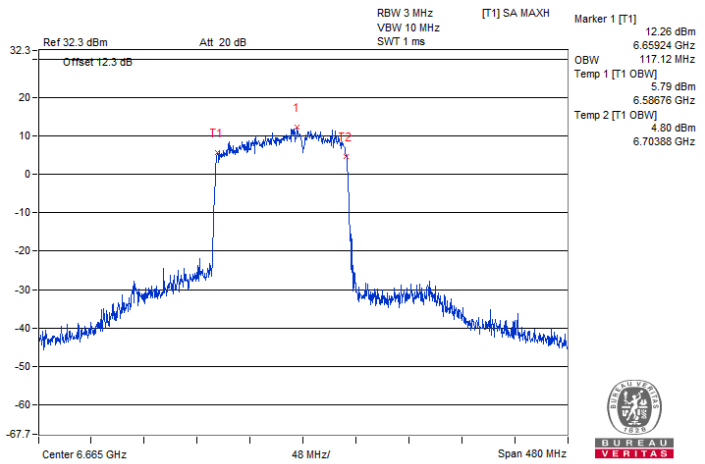
802.11be (EHT20) 52+26-tone MRU 2S2T / Chain 0 : CH 117



802.11be (EHT20) 106+26-tone MRU 2S2T / Chain 0 : CH 117

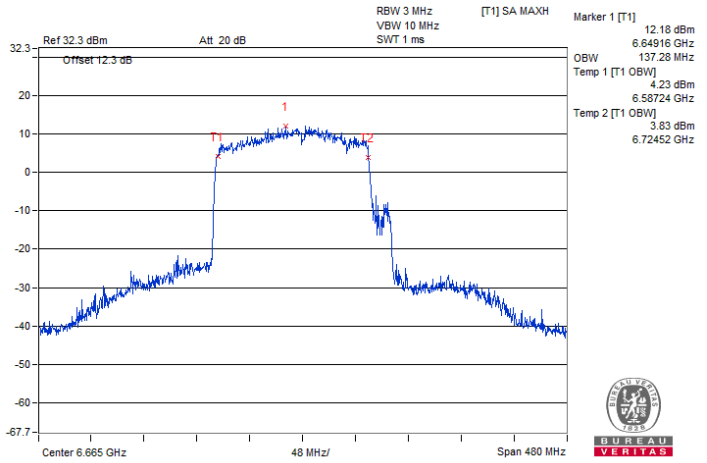


802.11be (EHT80) 484+242-tone MRU 2S2T / Chain 0 : CH 7



802.11be (EHT160) 996+484-tone MRU 2S2T / Chain 0 : CH 143

Spectrum Plot of Maximum Value



802.11be (EHT160) 996+484+242-tone MRU 2S2T / Chain 0 : CH 143

7.6 Contention-based Protocol

Environmental Conditions:	25°C, 60% RH	Tested By:	Cherry Chuo

Companion Device Information			
Product	**Brand**	**Model No.**	**Software/Firmware Version**
802.11be AP Router	MEDIATEK	MT7977	3.0.0.6.102_55168

Note: Device does not use channel puncturing and bandwidth reduction mechanisms.

For U-NII-5

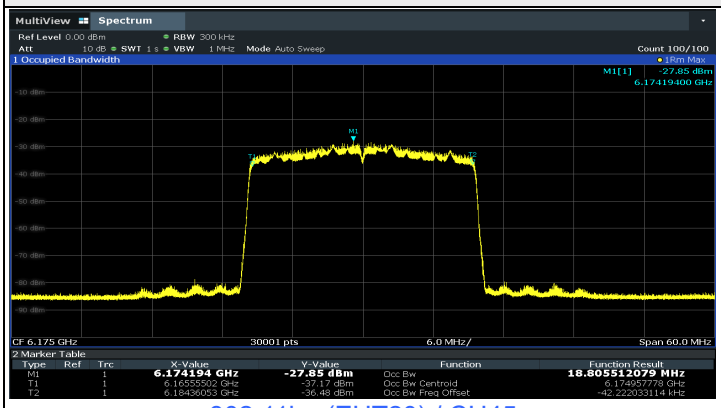
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	45	6175	6175	-83.04	-14.46	0	-68.58	-62	OFF
					-86	-14.46	0	-71.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
	160	47	6185	6110	-87.07	-14.46	0	-72.61	-62	OFF
					-93	-14.46	0	-78.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				6185	-80.01	-14.46	0	-65.55	-62	OFF
					-94	-14.46	0	-79.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				6260	-87.01	-14.46	0	-72.55	-62	OFF
					-93	-14.46	0	-78.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON

Notes:

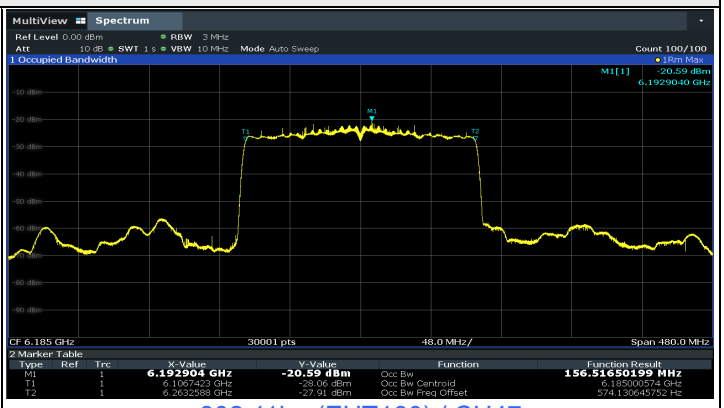
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

Contention Based Protocol Detection Probability														
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6175	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6110	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6185	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6260	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

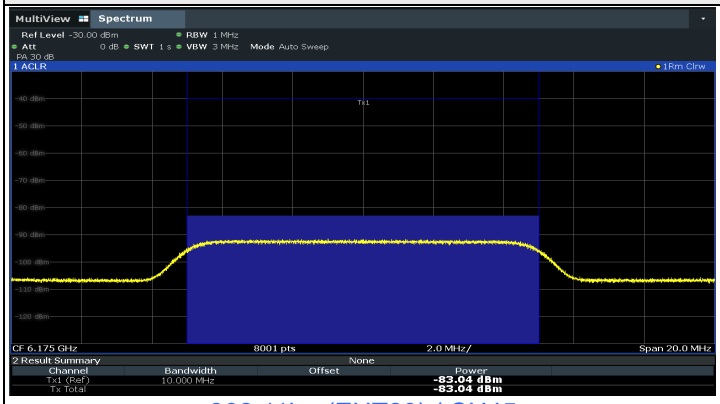


802.11be (EHT20) / CH45

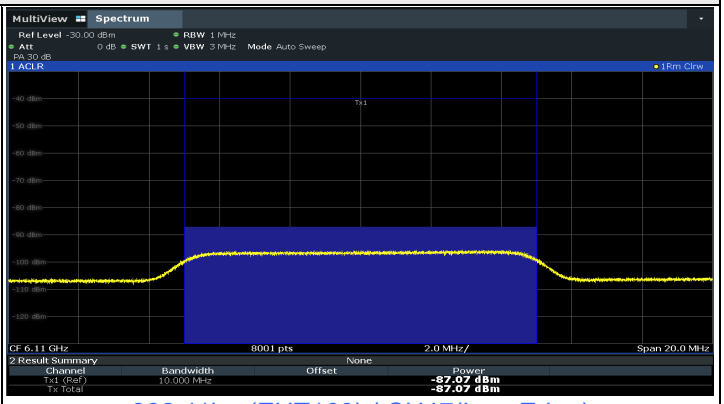


802.11be (EHT160) / CH47

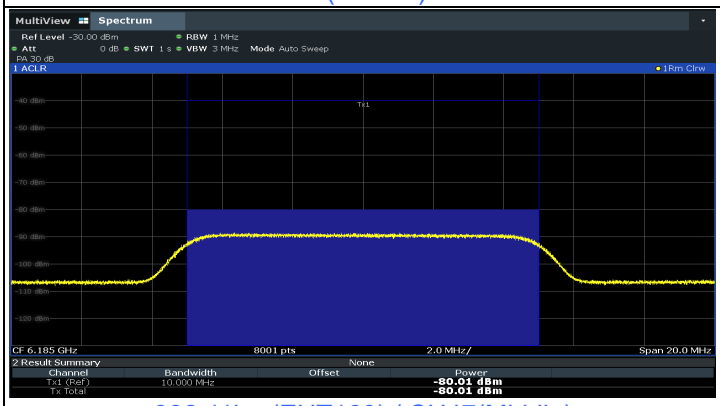
Plots of Injected signal (AWGN) level



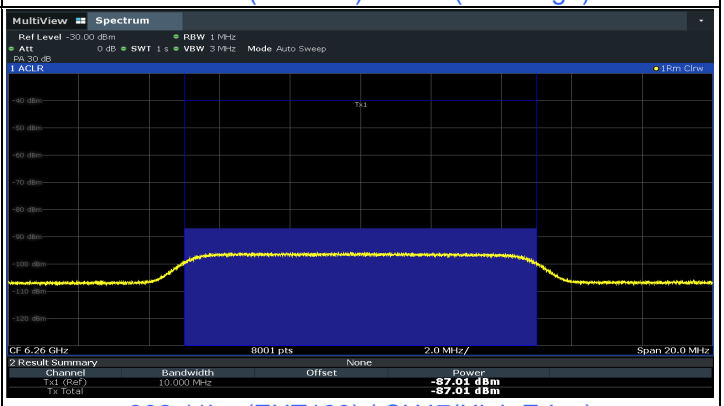
802.11be (EHT20) / CH45



802.11be (EHT160) / CH47(Low Edge)



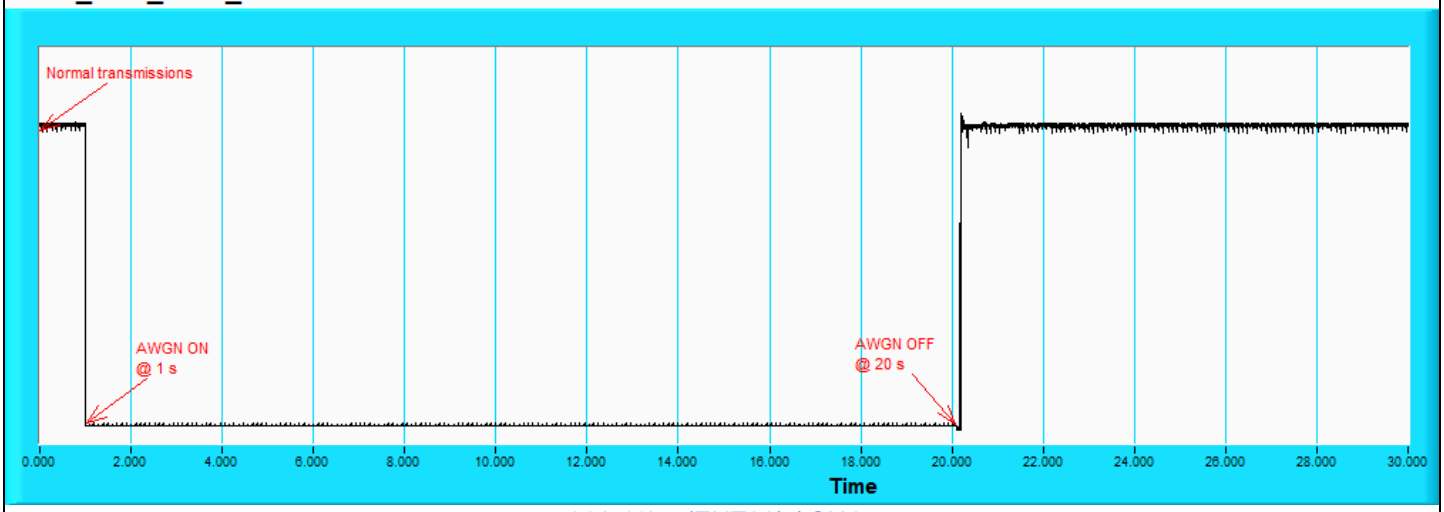
802.11be (EHT160) / CH47(Middle)



802.11be (EHT160) / CH47(High Edge)

Plots of EUT ceased transmission in the time domain

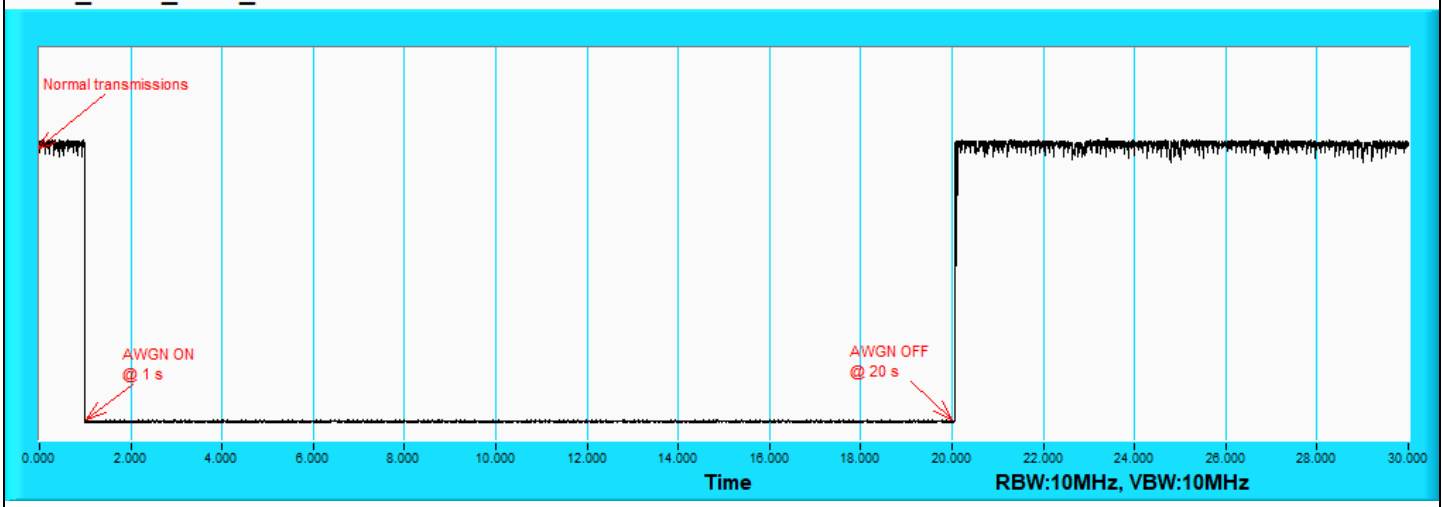
UNII5_20M_6175_Test Result



802.11be (EHT20) / CH45

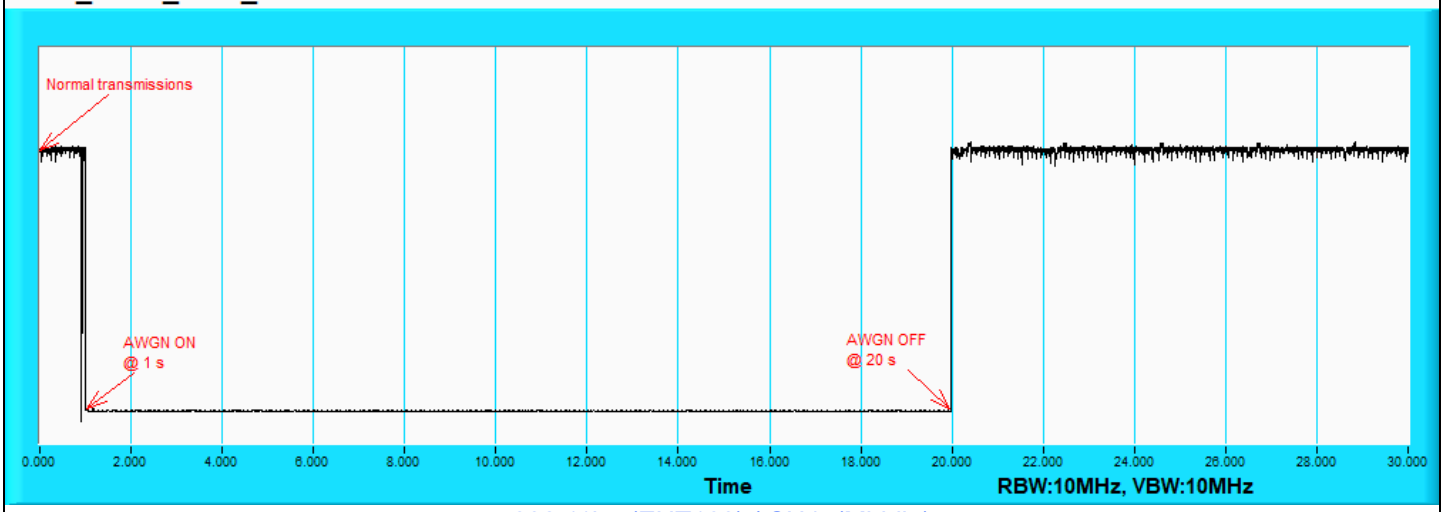
Plots of EUT ceased transmission in the time domain

UNII5_160M_6110_Test Result



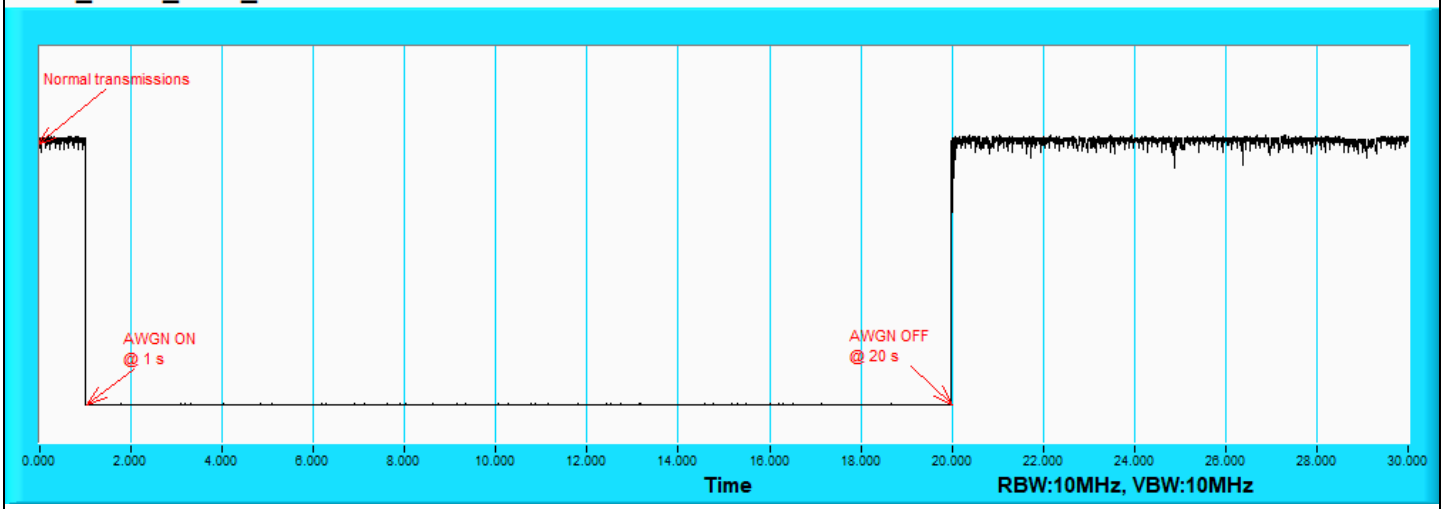
802.11be (EHT160) / CH47(Low Edge)

UNII5_160M_6185_Test Result



802.11be (EHT160) / CH47(Middle)

UNII5_160M_6260_Test Result



802.11be (EHT160) / CH47(High Edge)

For U-NII-6

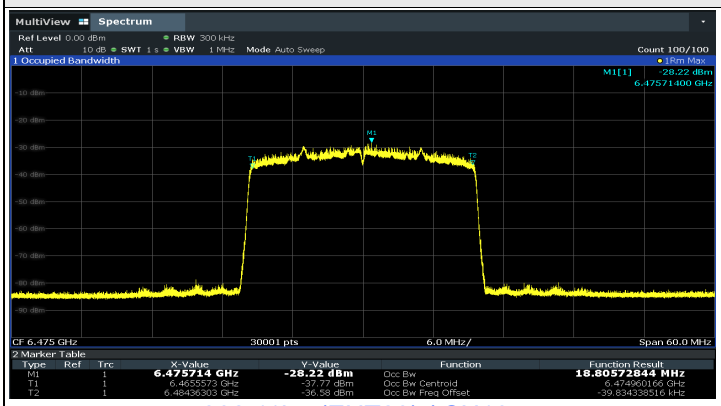
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	105	6475	6475	-83.05	-14.46	0	-68.59	-62	OFF
					-86	-14.46	0	-71.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
	160	111	6505	6430	-83.09	-14.46	0	-68.63	-62	OFF
					-88	-14.46	0	-73.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				6505	-81.06	-14.46	0	-66.6	-62	OFF
					-84	-14.46	0	-69.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				6580	-83.07	-14.46	0	-68.61	-62	OFF
					-88	-14.46	0	-73.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON

Notes:

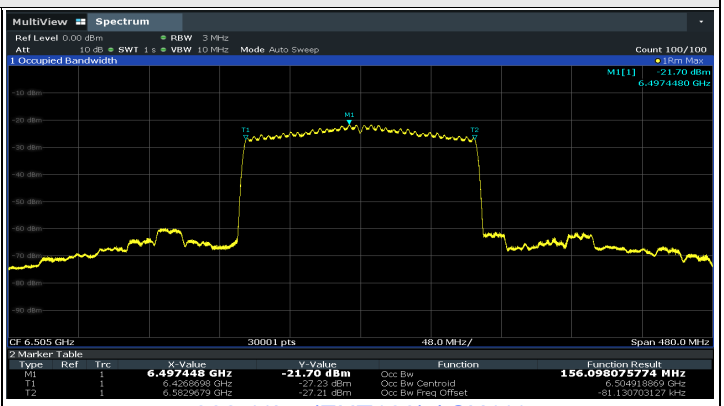
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6475	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6430	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6505	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass
		6580	v	v	v	v	v	v	x	v	v	v	90%	90%	Pass

Plots of EUT Tx waveform

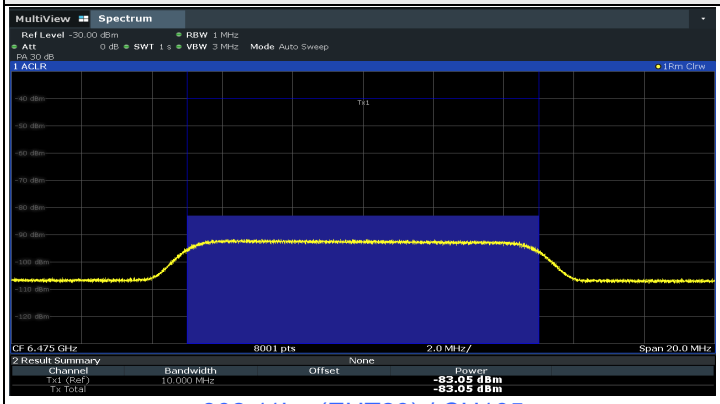


802.11be (EHT20) / CH105

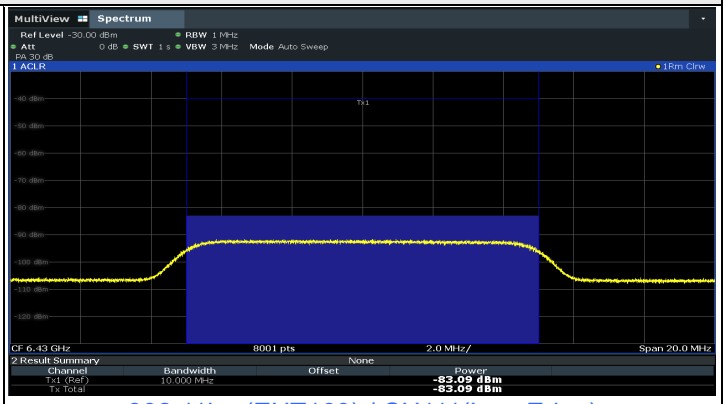


802.11be (EHT160) / CH111

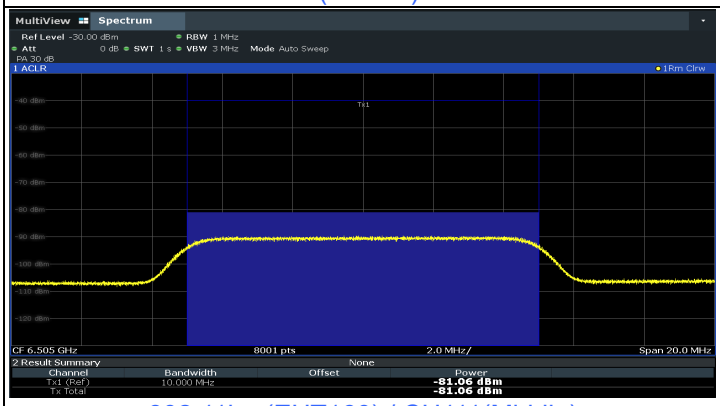
Plots of Injected signal (AWGN) level



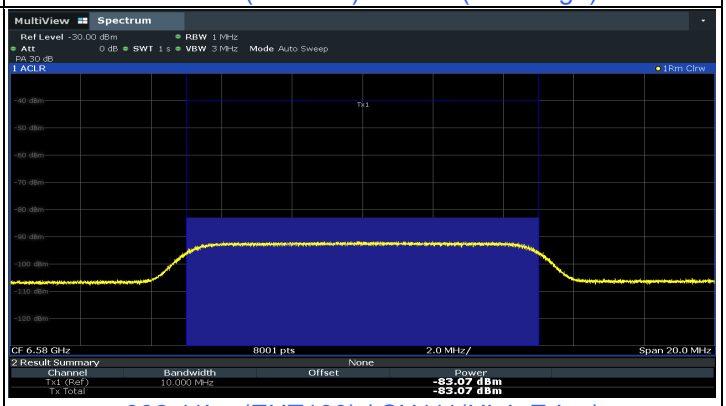
802.11be (EHT20) / CH105



802.11be (EHT160) / CH111(Low Edge)



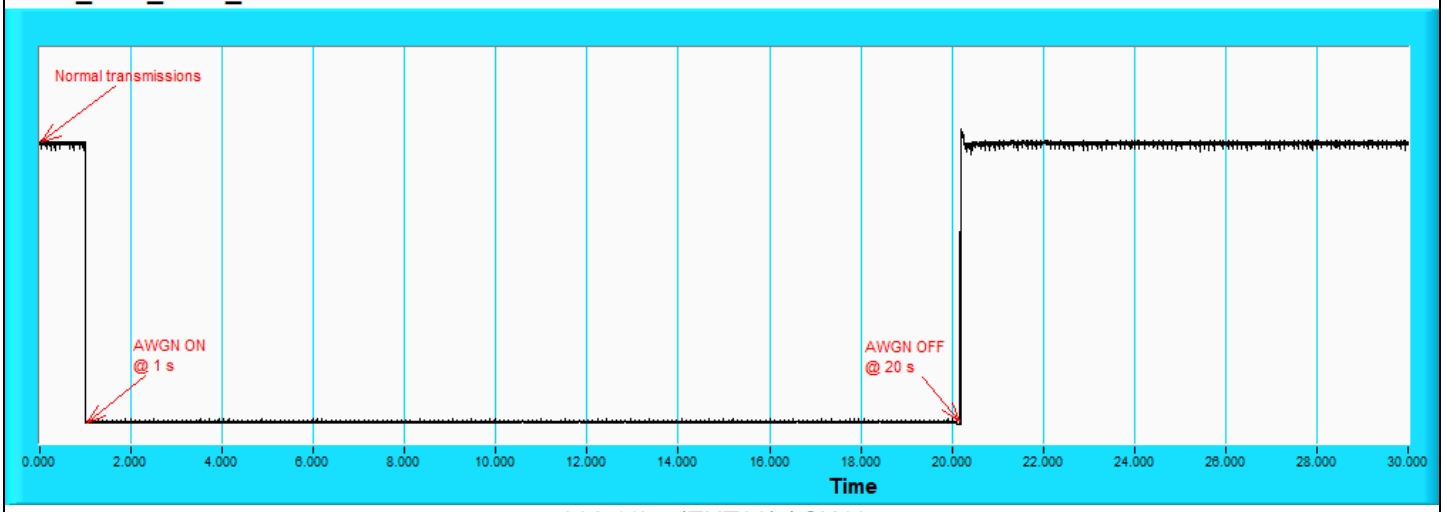
802.11be (EHT160) / CH111(Middle)



802.11be (EHT160) / CH111(High Edge)

Plots of EUT ceased transmission in the time domain

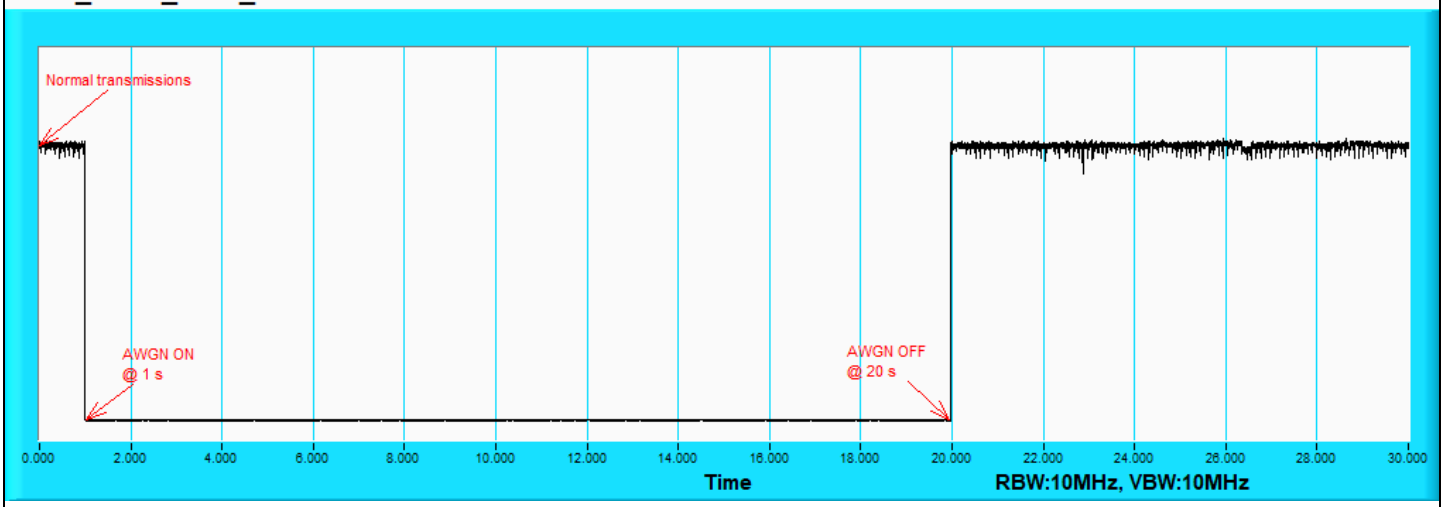
UNII6_20M_6475_Test Result



802.11be (EHT20) / CH105

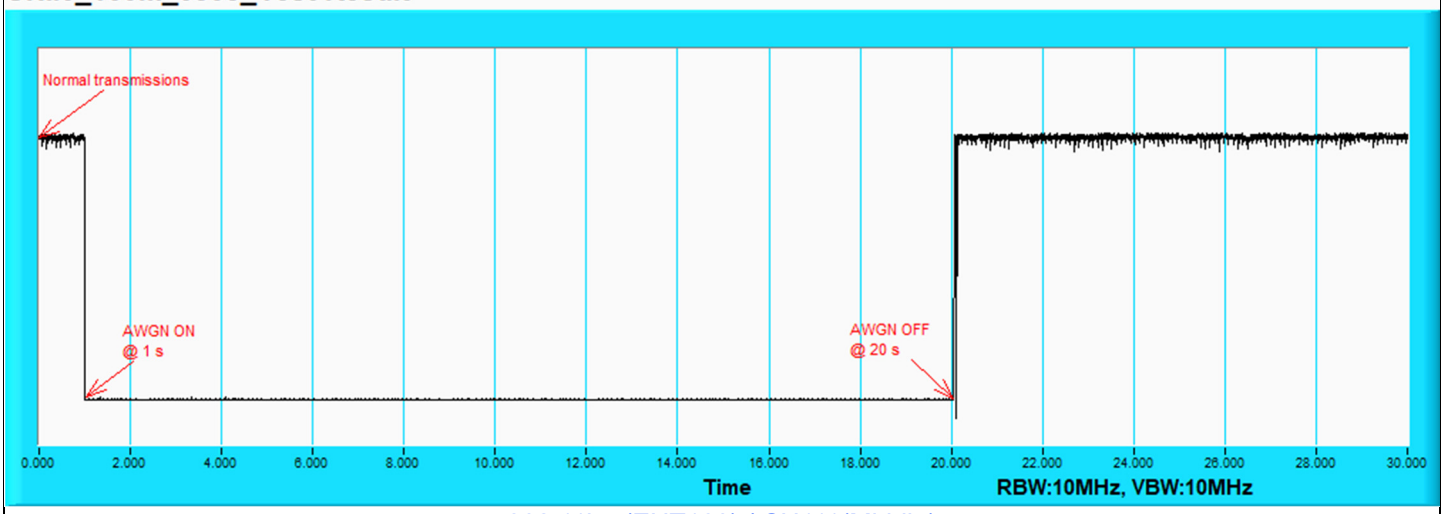
Plots of EUT ceased transmission in the time domain

UNII6_160M_6430_Test Result



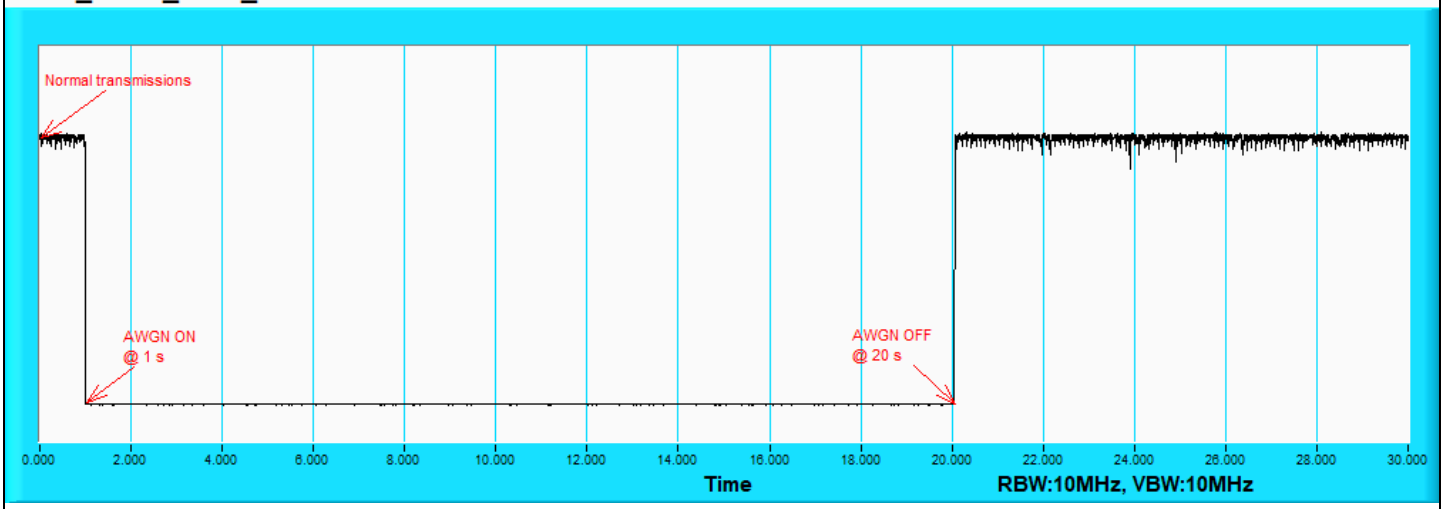
802.11be (EHT160) / CH111(Low Edge)

UNII6_160M_6505_Test Result



802.11be (EHT160) / CH111(Middle)

UNII6_160M_6580_Test Result



802.11be (EHT160) / CH111(High Edge)

For U-NII-7

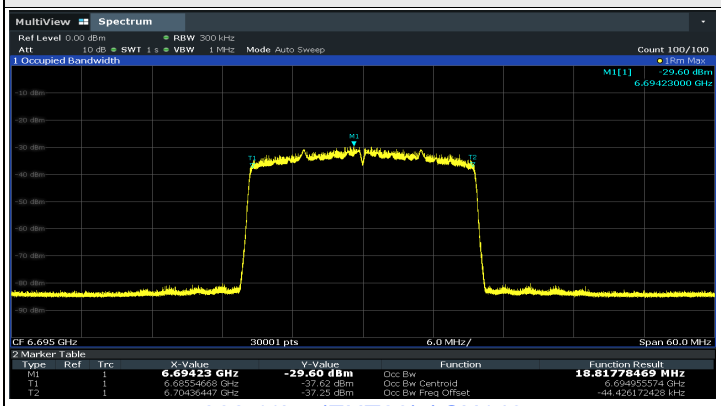
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	149	6695	6695	-84.09	-14.46	0	-69.63	-62	OFF
					-89	-14.46	0	-74.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
	160	143	6665	6590	-86.01	-14.46	0	-71.55	-62	OFF
					-90	-14.46	0	-75.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				6665	-82	-14.46	0	-67.54	-62	OFF
					-87	-14.46	0	-72.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				6740	-86.02	-14.46	0	-71.56	-62	OFF
					-91	-14.46	0	-76.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON

Notes:

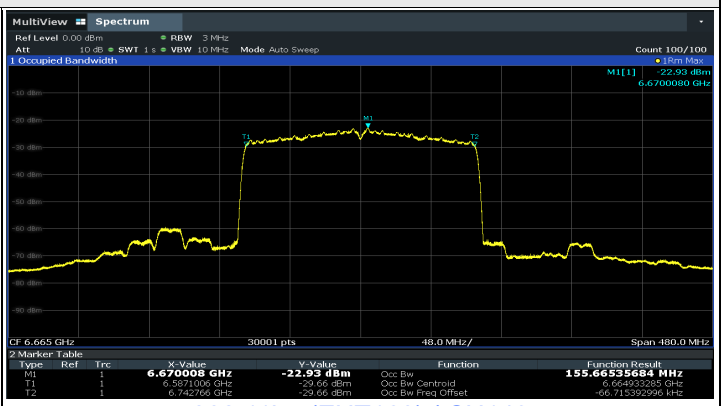
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6695	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6590	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass
		6665	v	v	v	v	v	x	v	v	v	v	90%	90%	Pass
		6740	v	v	v	v	v	v	x	v	v	v	90%	90%	Pass

Plots of EUT Tx waveform

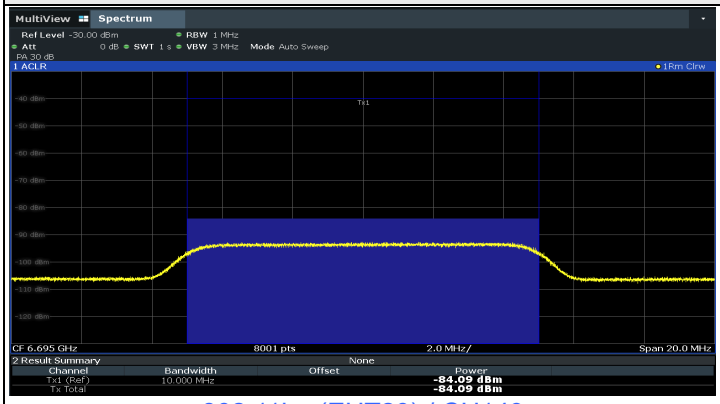


802.11be (EHT20) / CH149

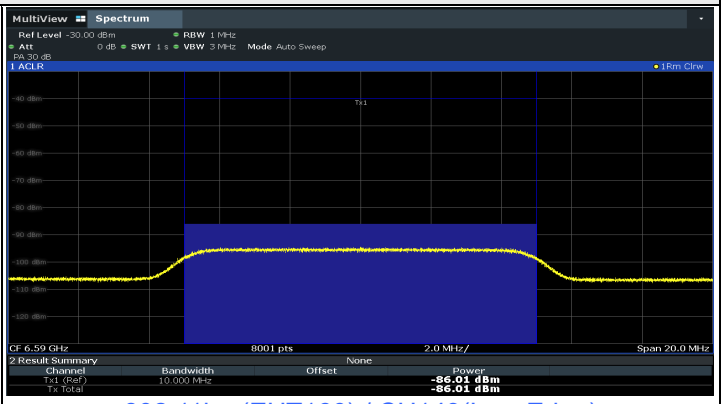


802.11be (EHT160) / CH143

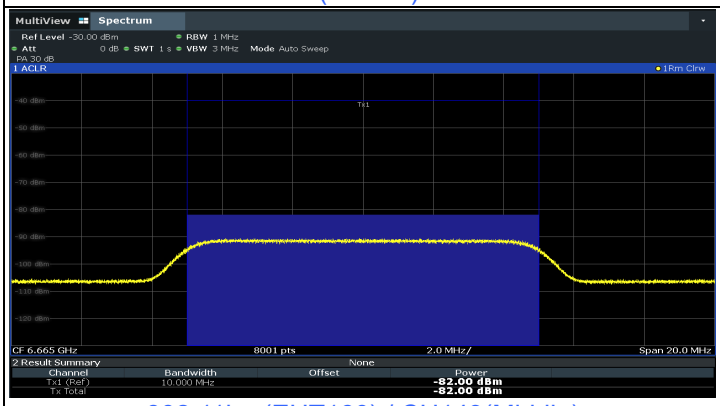
Plots of Injected signal (AWGN) level



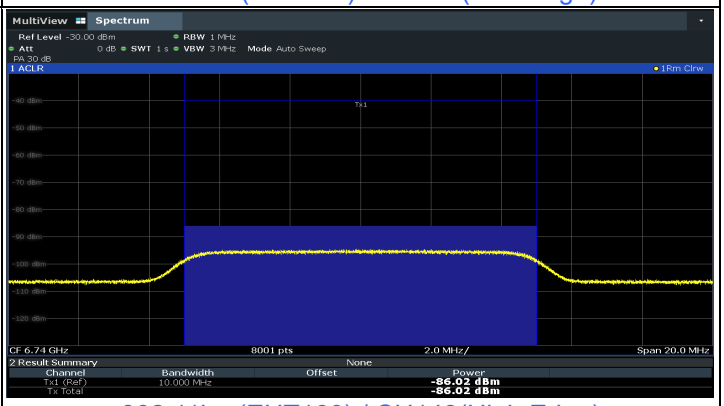
802.11be (EHT20) / CH149



802.11be (EHT160) / CH143(Low Edge)



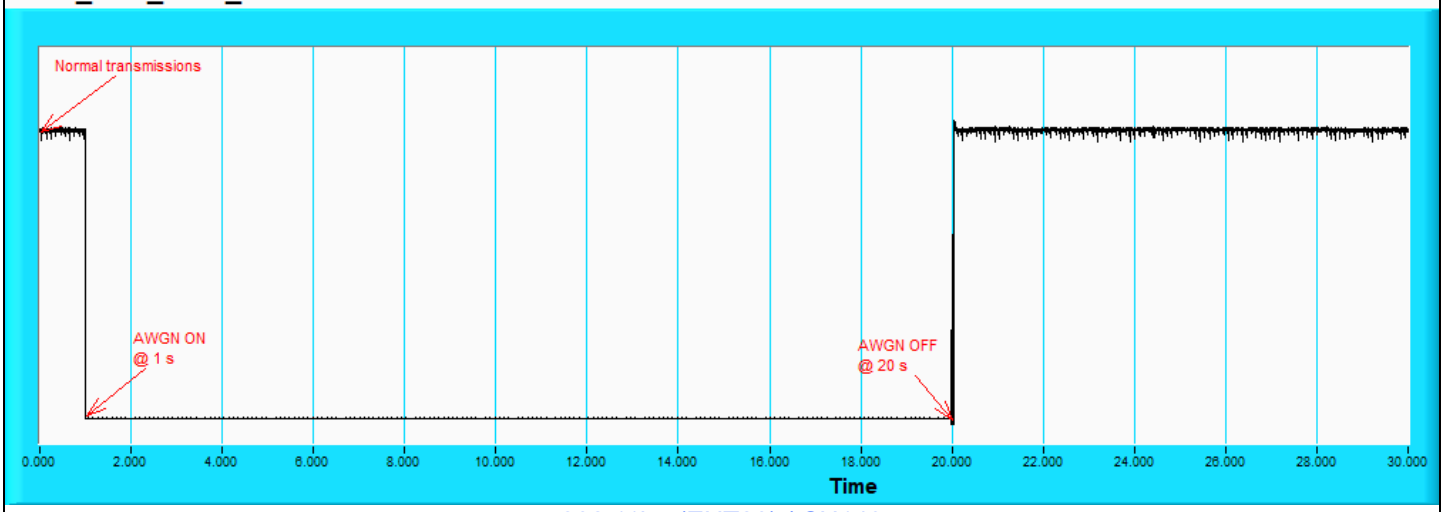
802.11be (EHT160) / CH143(Middle)



802.11be (EHT160) / CH143(High Edge)

Plots of EUT ceased transmission in the time domain

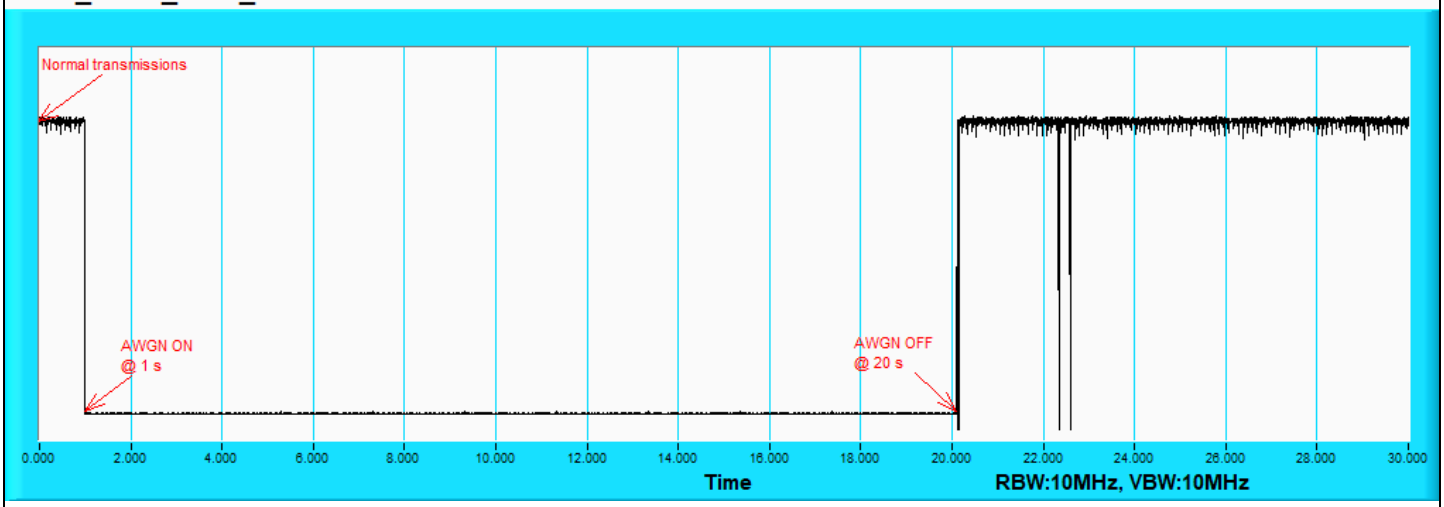
UNII7_20M_6695_Test Result



802.11be (EHT20) / CH149

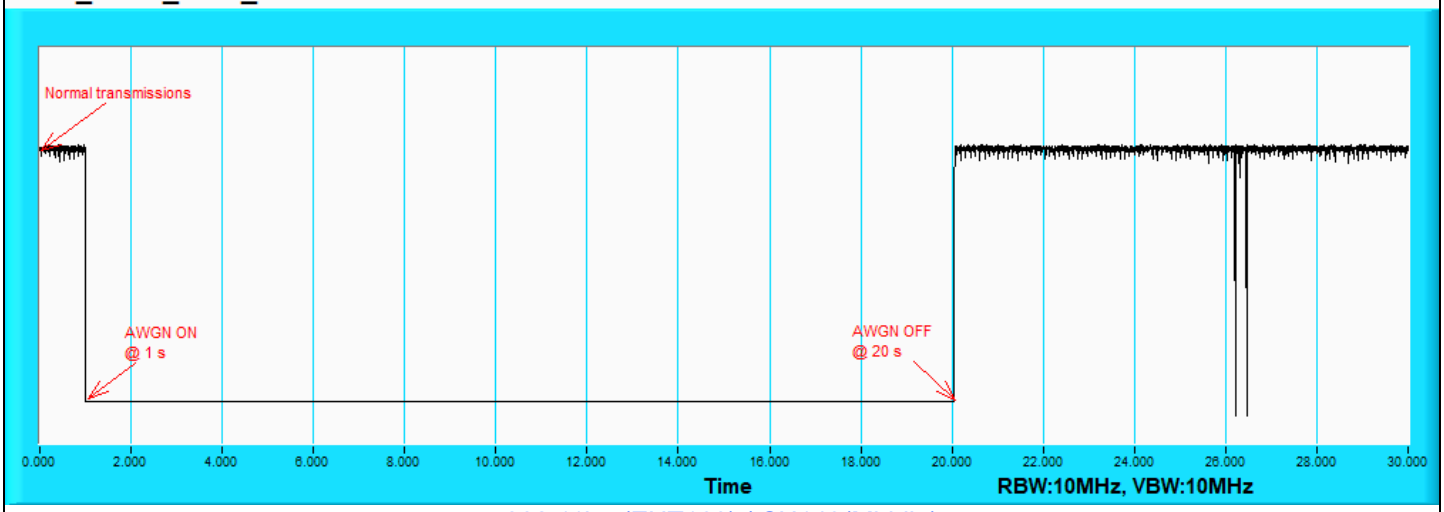
Plots of EUT ceased transmission in the time domain

UNII7_160M_6590_Test Result



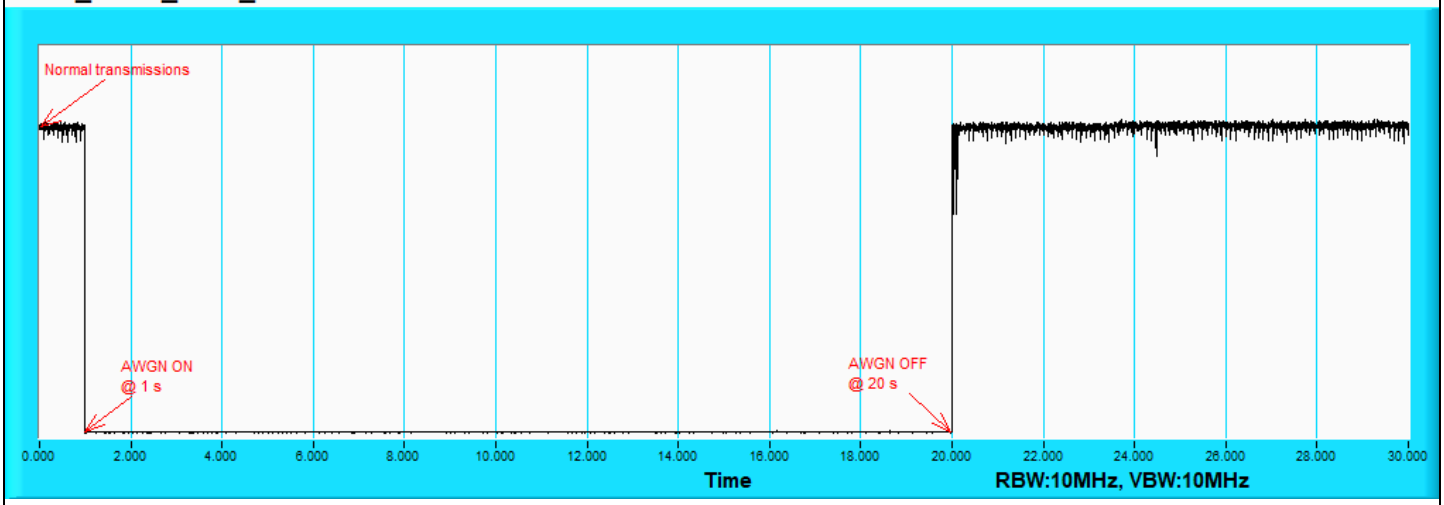
802.11be (EHT160) / CH143(Low Edge)

UNII7_160M_6665_Test Result



802.11be (EHT160) / CH143(Middle)

UNII7_160M_6740_Test Result



802.11be (EHT160) / CH143(High Edge)

For U-NII-8

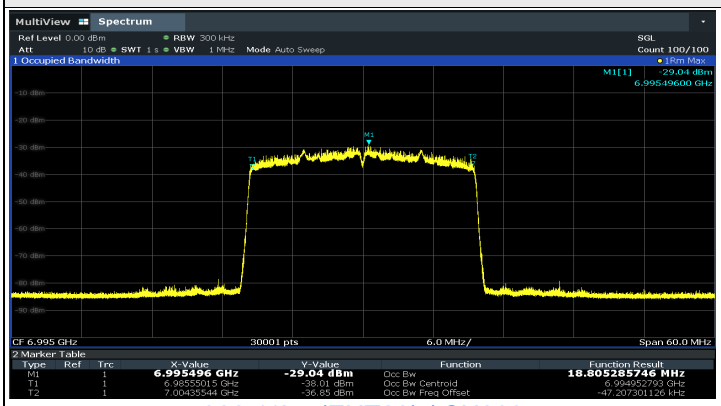
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	209	6995	6995	-83.08	-14.46	0	-68.62	-62	OFF
					-88	-14.46	0	-73.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
	160	207	6985	6910	-87.02	-14.46	0	-72.56	-62	OFF
					-91	-14.46	0	-76.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				6985	-83.08	-14.46	0	-68.62	-62	OFF
					-89	-14.46	0	-74.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON
				7060	-86.09	-14.46	0	-71.63	-62	OFF
					-91	-14.46	0	-76.54	-62	Minimal
					-96.46	-14.46	0	-82	-62	ON

Notes:

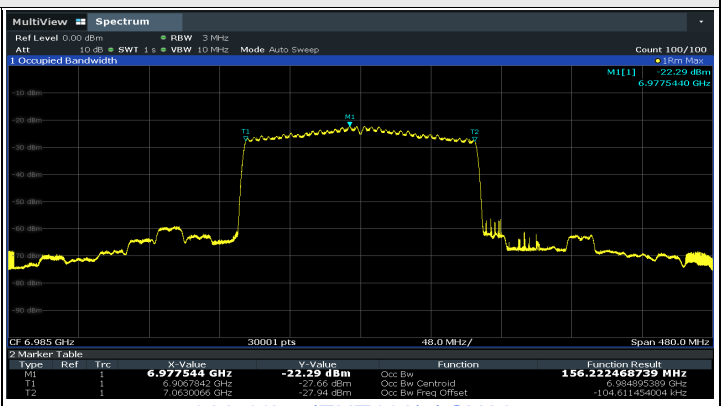
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6995	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6910	v	v	v	x	v	v	v	v	v	v	90%	90%	Pass
		6985	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		7060	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

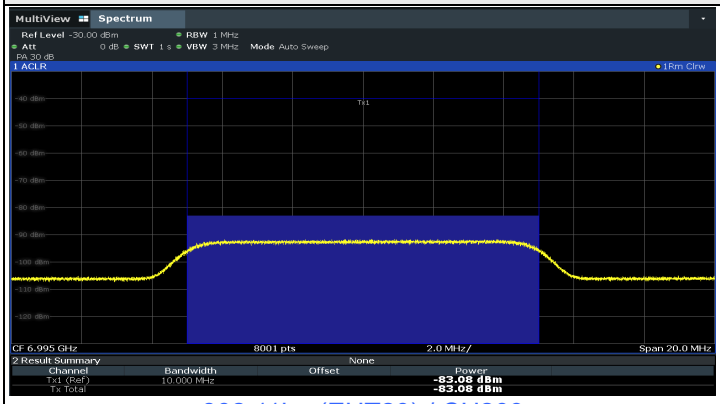


802.11be (EHT20) / CH209

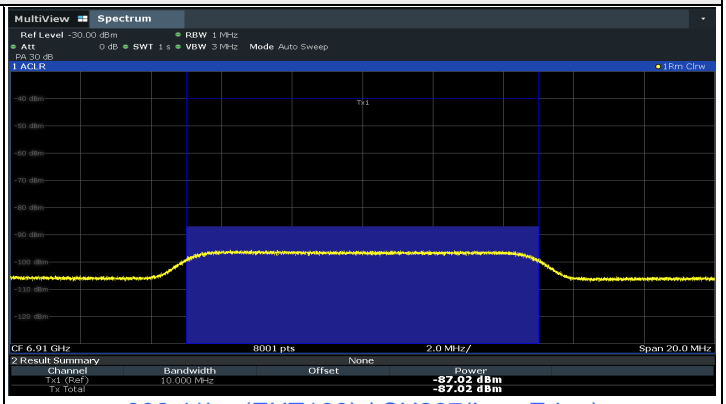


802.11be (EHT160) / CH207

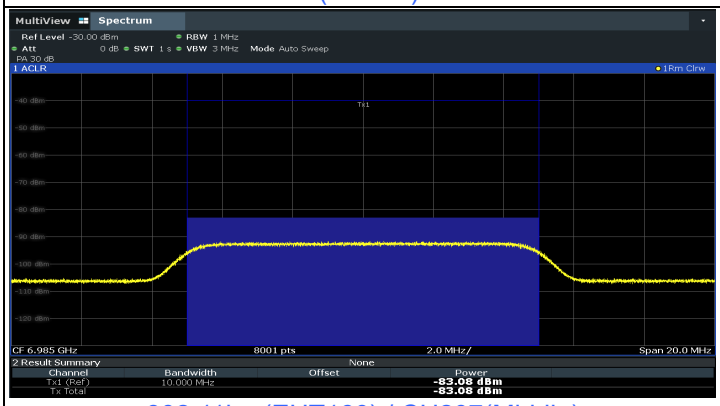
Plots of Injected signal (AWGN) level



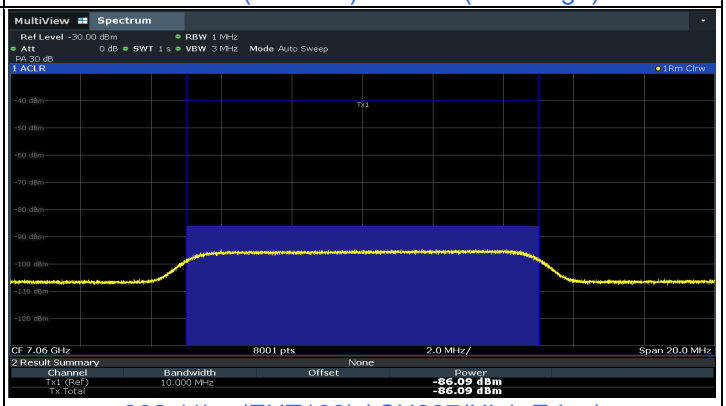
802.11be (EHT20) / CH209



802.11be (EHT160) / CH207(Low Edge)



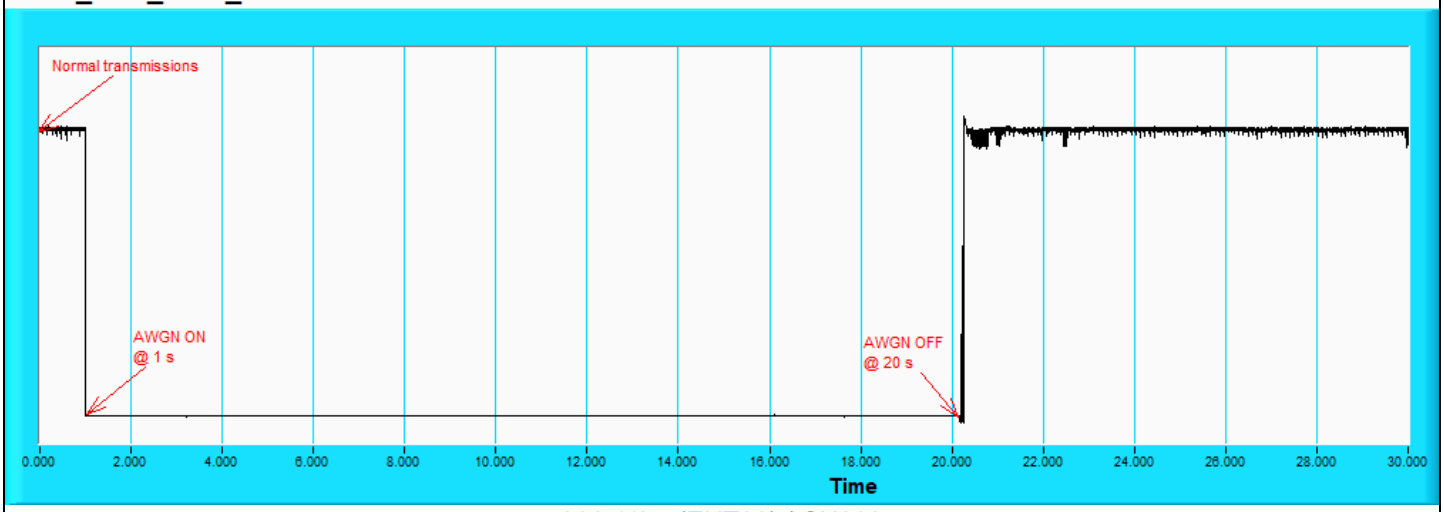
802.11be (EHT160) / CH207(Middle)



802.11be (EHT160) / CH207(High Edge)

Plots of EUT ceased transmission in the time domain

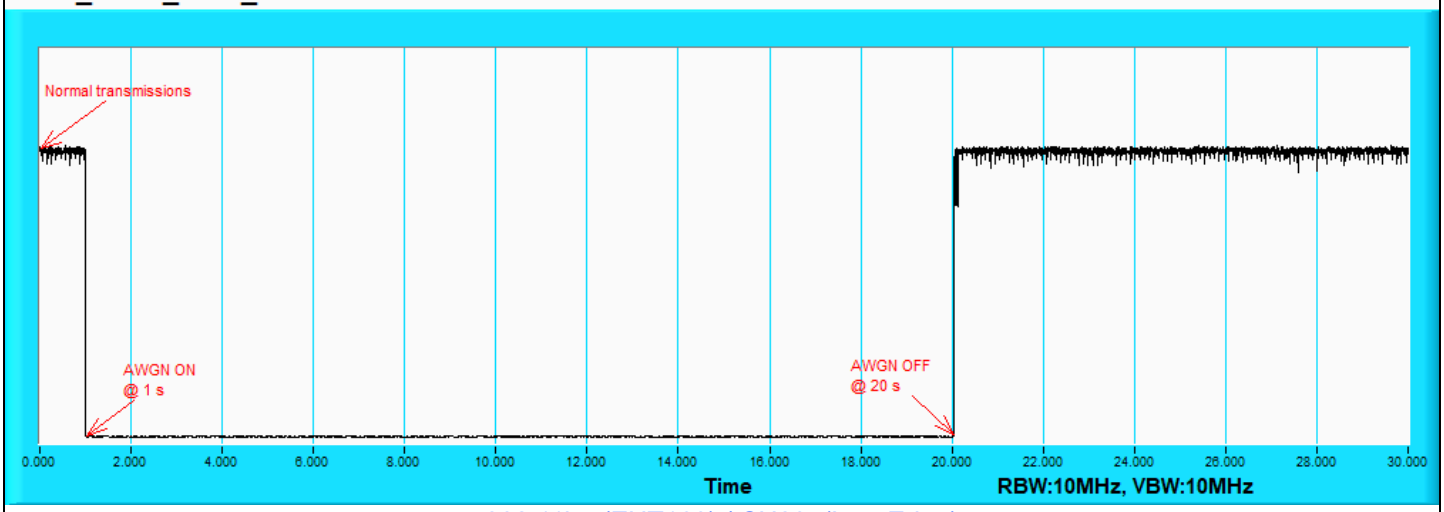
UNII8_20M_6995_Test Result



802.11be (EHT20) / CH209

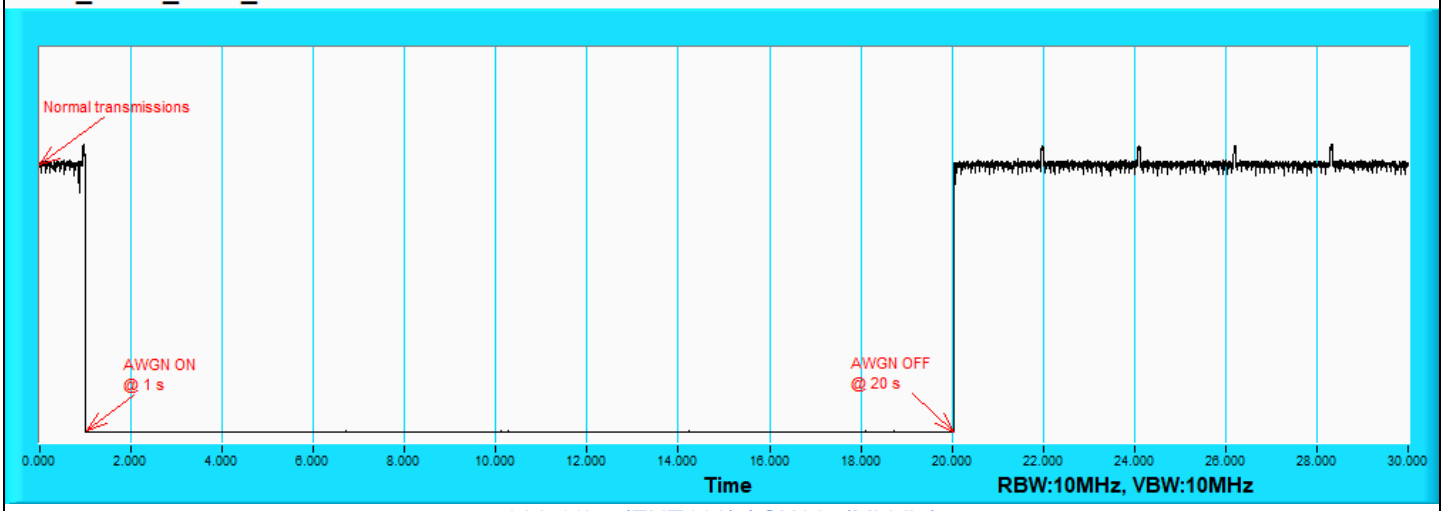
Plots of EUT ceased transmission in the time domain

UNII8_160M_6910_Test Result



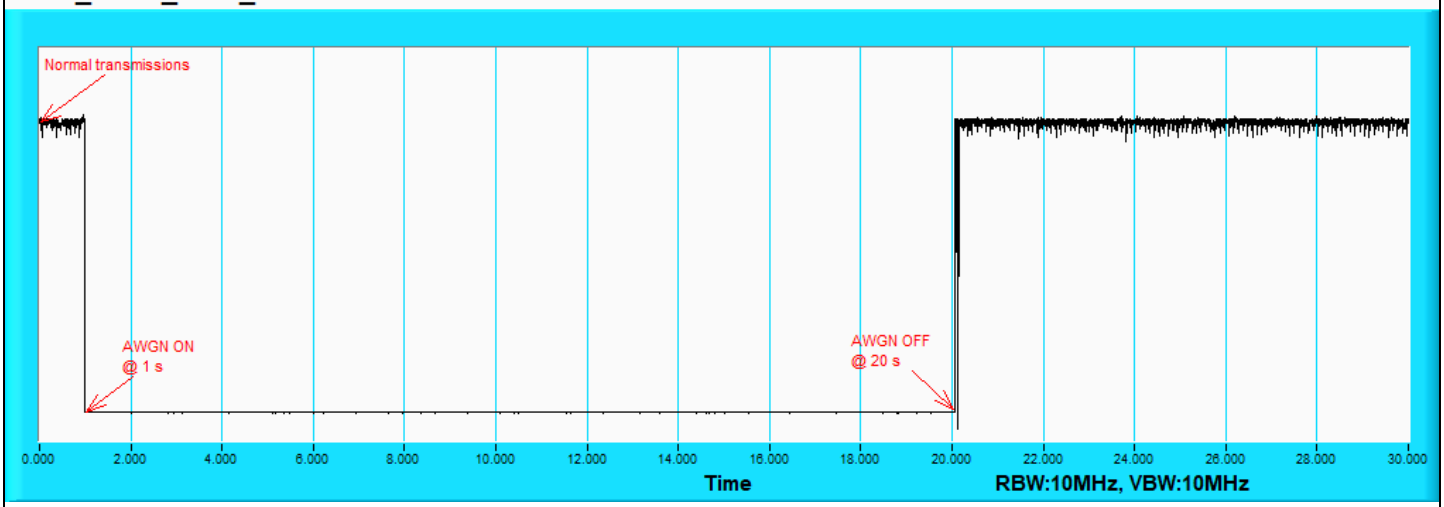
802.11be (EHT160) / CH207(Low Edge)

UNII8_160M_6985_Test Result



802.11be (EHT160) / CH207(Middle)

UNII8_160M_7060_Test Result



802.11be (EHT160) / CH207(High Edge)

7.7 AC Power Conducted Emissions

under control of a low-power indoor AP

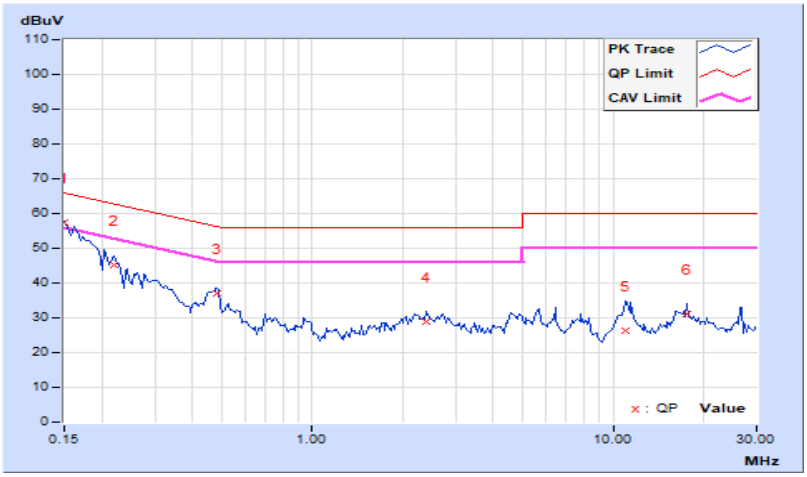
1S1T

RF Mode	802.11be (EHT160)	**Channel**	CH 79：6345 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	10.01	47.35	32.50	57.36	42.51	66.00	56.00	-8.64	-13.49
2	0.22031	10.02	35.33	18.78	45.35	28.80	62.81	52.81	-17.46	-24.01
3	0.48203	10.03	26.93	18.21	36.96	28.24	56.30	46.30	-19.34	-18.06
4	2.40234	10.11	18.65	11.83	28.76	21.94	56.00	46.00	-27.24	-24.06
5	11.01563	10.57	15.77	9.59	26.34	20.16	60.00	50.00	-33.66	-29.84
6	17.53516	10.92	20.24	19.06	31.16	29.98	60.00	50.00	-28.84	-20.02

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

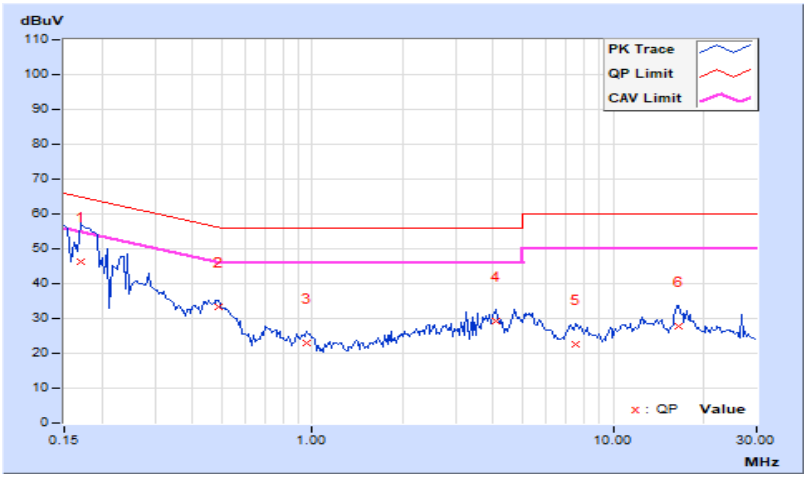


RF Mode	802.11be (EHT160)	Channel	CH 79：6345 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	10.01	36.20	22.75	46.21	32.76	64.98	54.98	-18.77	-22.22
2	0.48594	10.01	23.44	11.55	33.45	21.56	56.24	46.24	-22.79	-24.68
3	0.95469	10.04	12.99	4.24	23.03	14.28	56.00	46.00	-32.97	-31.72
4	4.07031	10.16	18.93	9.82	29.09	19.98	56.00	46.00	-26.91	-26.02
5	7.50391	10.31	12.20	5.44	22.51	15.75	60.00	50.00	-37.49	-34.25
6	16.41406	10.65	17.06	9.74	27.71	20.39	60.00	50.00	-32.29	-29.61

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



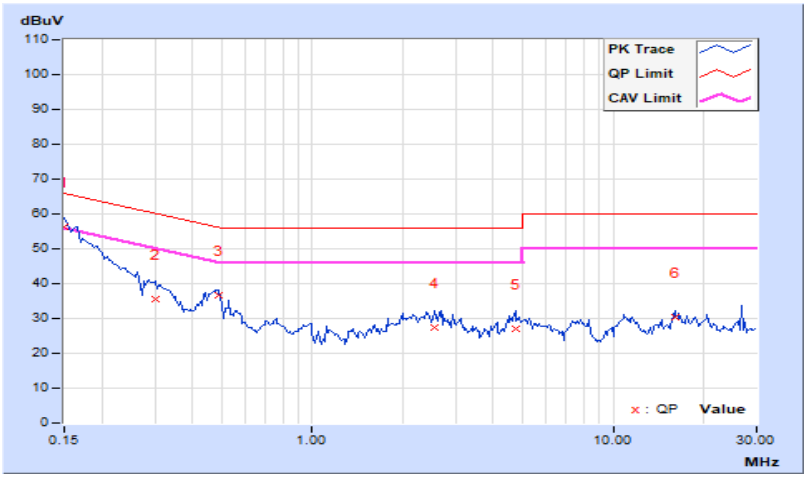
2S2T

RF Mode	802.11be (EHT160)	Channel	CH 207：6985 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.01	46.28	25.41	56.29	35.42	66.00	56.00	-9.71	-20.58
2	0.30234	10.02	25.67	6.37	35.69	16.39	60.18	50.18	-24.49	-33.79
3	0.48594	10.03	26.62	15.74	36.65	25.77	56.24	46.24	-19.59	-20.47
4	2.55859	10.12	17.38	11.18	27.50	21.30	56.00	46.00	-28.50	-24.70
5	4.73828	10.24	16.92	9.33	27.16	19.57	56.00	46.00	-28.84	-26.43
6	16.01172	10.85	19.68	17.23	30.53	28.08	60.00	50.00	-29.47	-21.92

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

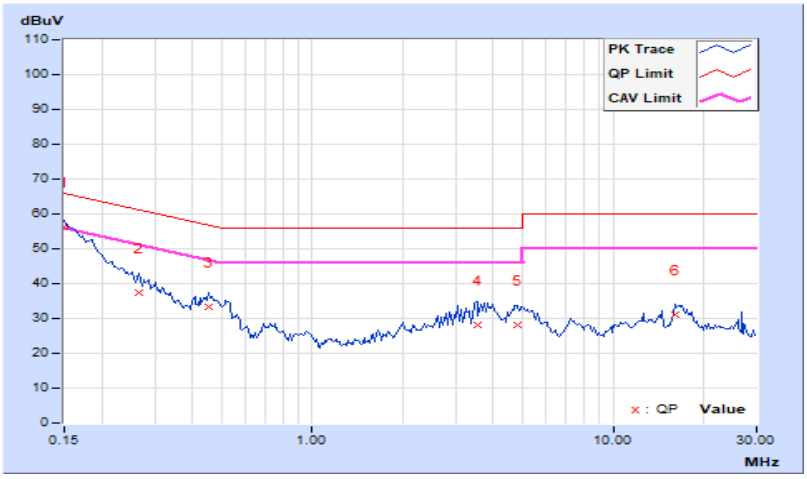


RF Mode	802.11be (EHT160)	Channel	CH 207：6985 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.00	46.32	27.49	56.32	37.49	66.00	56.00	-9.68	-18.51
2	0.26719	10.01	27.40	10.18	37.41	20.19	61.20	51.20	-23.79	-31.01
3	0.45078	10.01	23.20	10.44	33.21	20.45	56.86	46.86	-23.65	-26.41
4	3.54688	10.14	18.10	7.84	28.24	17.98	56.00	46.00	-27.76	-28.02
5	4.80078	10.19	18.14	10.34	28.33	20.53	56.00	46.00	-27.67	-25.47
6	16.01563	10.64	20.64	17.87	31.28	28.51	60.00	50.00	-28.72	-21.49

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



under control of a Standard Power AP

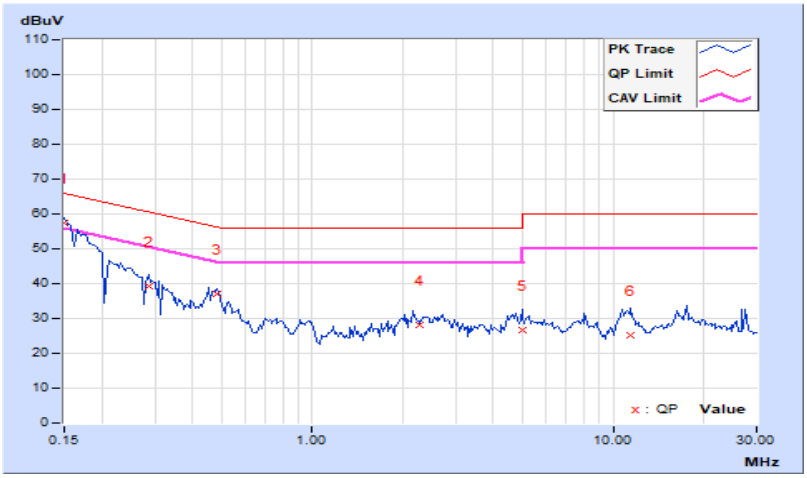
1S1T

RF Mode	802.11be (EHT40)	Channel	CH 3：5965 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.15000**	**10.01**	**47.41**	**32.36**	**57.42**	**42.37**	**66.00**	**56.00**	**-8.58**	**-13.63**
2	0.28672	10.02	29.17	8.95	39.19	18.97	60.62	50.62	-21.43	-31.65
3	0.48203	10.03	26.99	17.69	37.02	27.72	56.30	46.30	-19.28	-18.58
4	2.26563	10.10	17.90	10.86	28.00	20.96	56.00	46.00	-28.00	-25.04
5	4.98047	10.25	16.45	9.07	26.70	19.32	56.00	46.00	-29.30	-26.68
6	11.48438	10.59	14.56	8.33	25.15	18.92	60.00	50.00	-34.85	-31.08

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

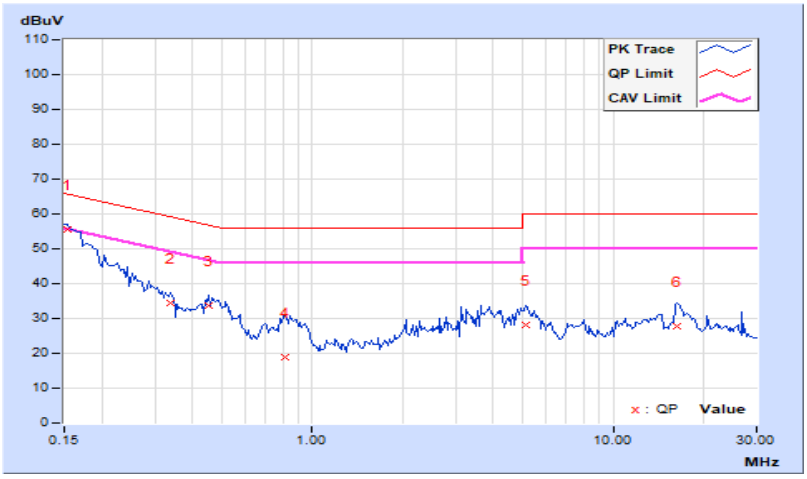


RF Mode	802.11be (EHT40)	Channel	CH 3：5965 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.01	45.41	30.27	55.42	40.28	65.79	55.79	-10.37	-15.51
2	0.33750	10.01	24.39	10.14	34.40	20.15	59.26	49.26	-24.86	-29.11
3	0.45078	10.01	23.72	13.62	33.73	23.63	56.86	46.86	-23.13	-23.23
4	0.81406	10.03	8.80	0.45	18.83	10.48	56.00	46.00	-37.17	-35.52
5	5.11328	10.21	18.10	11.34	28.31	21.55	60.00	50.00	-31.69	-28.45
6	16.37891	10.65	17.08	9.53	27.73	20.18	60.00	50.00	-32.27	-29.82

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



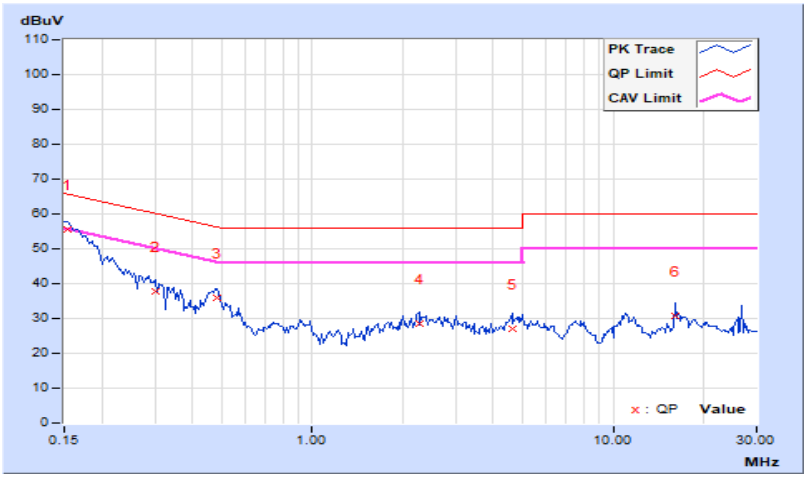
2S2T

RF Mode	802.11be (EHT80)	Channel	CH 7：5985 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.02	45.69	19.47	55.71	29.49	65.79	55.79	-10.08	-26.30
2	0.30234	10.02	27.91	11.95	37.93	21.97	60.18	50.18	-22.25	-28.21
3	0.48203	10.03	26.04	13.76	36.07	23.79	56.30	46.30	-20.23	-22.51
4	2.26172	10.10	18.39	11.40	28.49	21.50	56.00	46.00	-27.51	-24.50
5	4.62500	10.23	16.77	8.10	27.00	18.33	56.00	46.00	-29.00	-27.67
6	16.01172	10.85	20.02	17.39	30.87	28.24	60.00	50.00	-29.13	-21.76

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

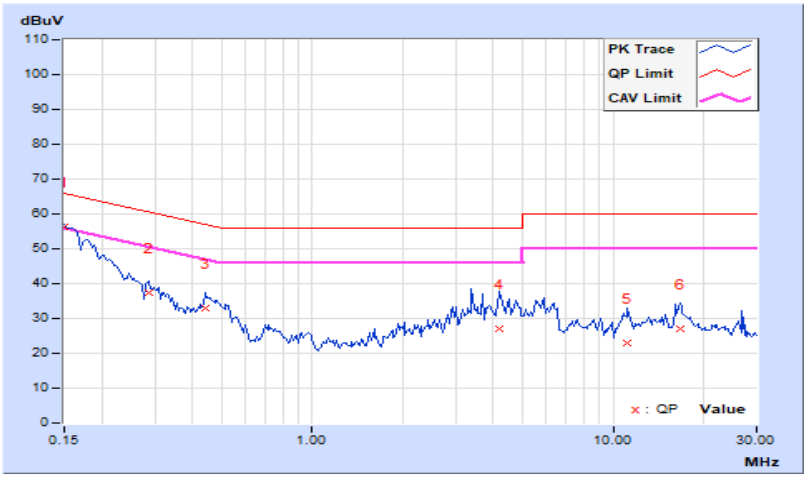


RF Mode	802.11be (EHT80)	Channel	CH 7：5985 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21 °C, 62 % RH
Tested By	Willy Lin		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.00	46.12	29.79	56.12	39.79	66.00	56.00	-9.88	-16.21
2	0.28672	10.01	27.36	12.81	37.37	22.82	60.62	50.62	-23.25	-27.80
3	0.44297	10.01	22.92	11.73	32.93	21.74	57.01	47.01	-24.08	-25.27
4	4.19922	10.17	16.98	8.06	27.15	18.23	56.00	46.00	-28.85	-27.77
5	11.13672	10.45	12.66	6.71	23.11	17.16	60.00	50.00	-36.89	-32.84
6	16.66406	10.66	16.31	8.81	26.97	19.47	60.00	50.00	-33.03	-30.53

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



7.8 Unwanted Emissions below 1 GHz

under control of a low-power indoor AP

Mode A

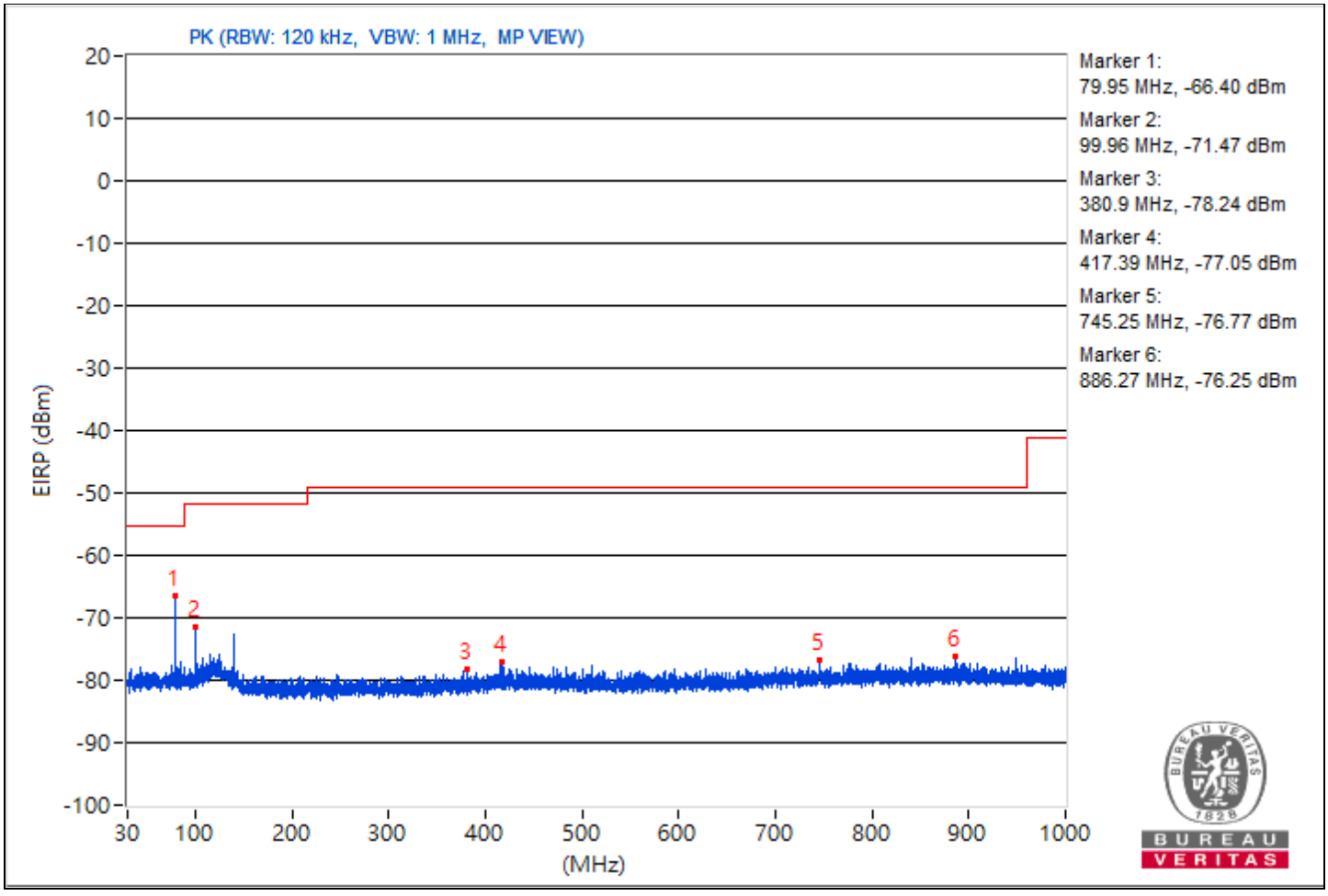
1S1T

RF Mode	802.11be (EHT160)	Channel	CH 79：6345 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	79.95	28.86 PK	40	-11.14	-79.47	13.07	-66.4
2	99.96	23.79 PK	43.5	-19.71	-84.54	13.07	-71.47
3	380.9	17.02 PK	46	-28.98	-91.31	13.07	-78.24
4	417.39	18.21 PK	46	-27.79	-90.12	13.07	-77.05
5	745.25	18.49 PK	46	-27.51	-89.84	13.07	-76.77
6	886.27	19.01 PK	46	-26.99	-89.32	13.07	-76.25

Notes:

1. Margin value = Emission Level - Limit value
2. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



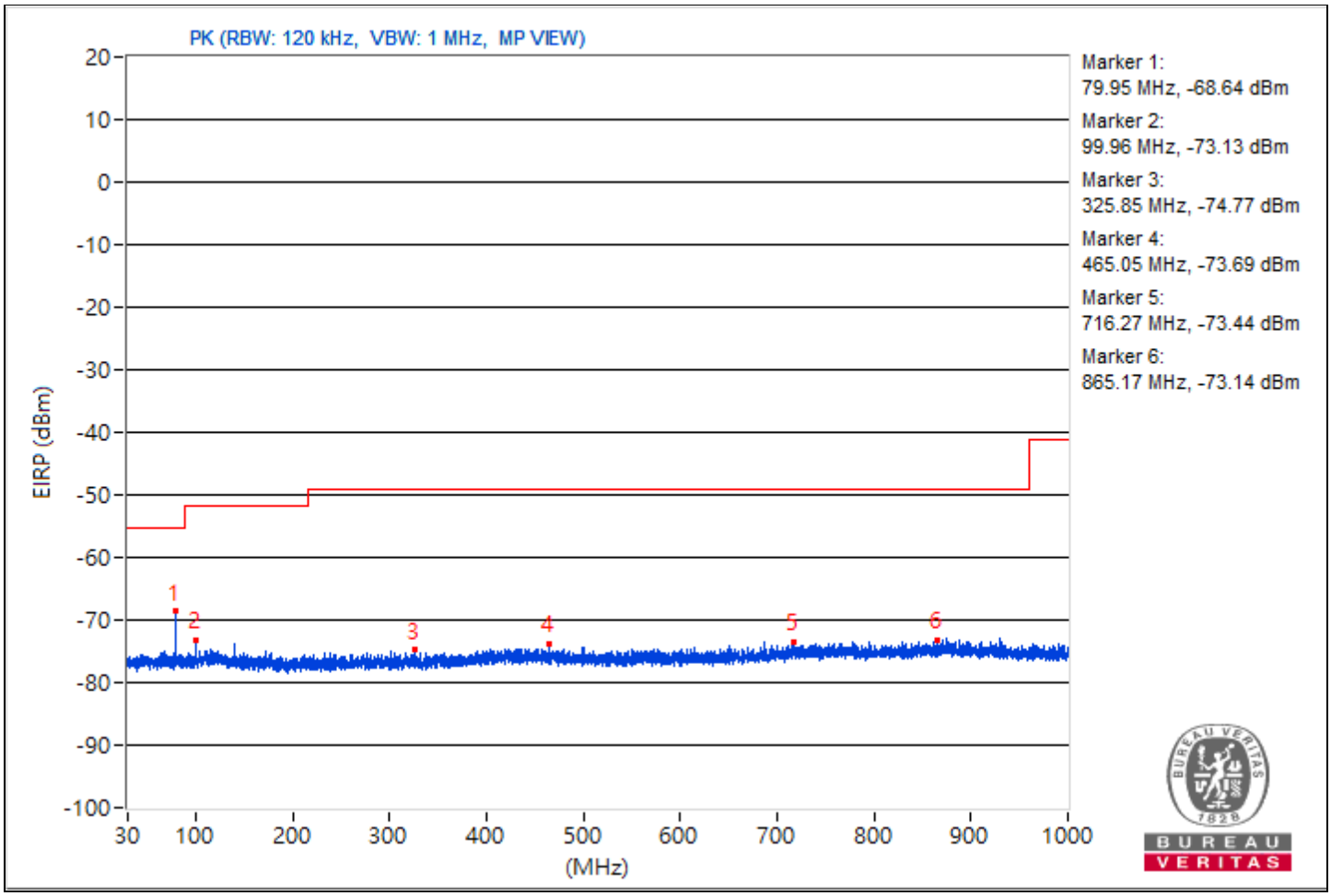
2S2T

RF Mode	802.11be (EHT160)	Channel	CH 207：6985 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	79.95	26.62 PK	40	-13.38	-86.18	-83.62	13.07	-68.64
2	99.96	22.13 PK	43.5	-21.37	-88.88	-89.57	13.07	-73.13
3	325.85	20.49 PK	46	-25.51	-91.99	-89.94	13.07	-74.77
4	465.05	21.57 PK	46	-24.43	-88.81	-90.99	13.07	-73.69
5	716.27	21.82 PK	46	-24.18	-88.26	-91.29	13.07	-73.44
6	865.17	22.12 PK	46	-23.88	-88.06	-90.8	13.07	-73.14

Notes:

1. Margin value = Emission Level - Limit value
2. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



Mode B

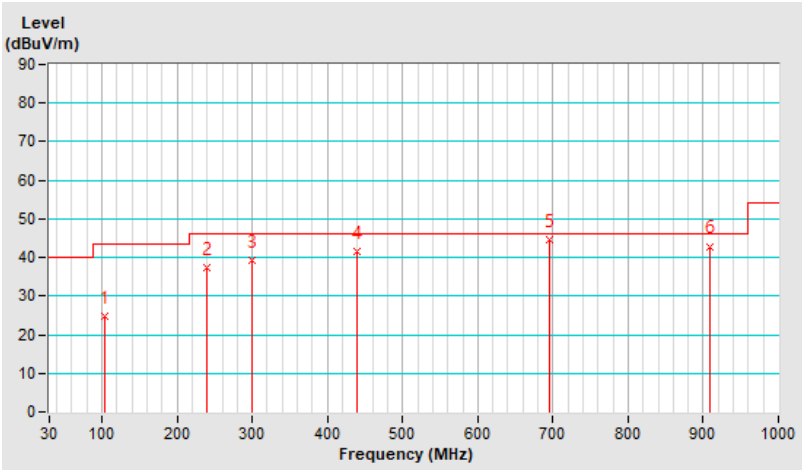
1S1T

RF Mode	802.11be (EHT160)	Channel	CH 79：6345 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	104.20	24.6 QP	43.5	-18.9	1.50 H	320	40.9	-16.3
2	239.06	37.5 QP	46.0	-8.5	1.50 H	254	52.0	-14.5
3	300.41	39.4 QP	46.0	-6.6	2.00 H	293	51.7	-12.3
4	439.93	41.5 QP	46.0	-4.5	2.00 H	276	50.0	-8.5
5	696.00	44.5 QP	46.0	-1.5	1.50 H	250	48.0	-3.5
6	909.50	42.9 QP	46.0	-3.1	2.50 H	242	42.8	0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

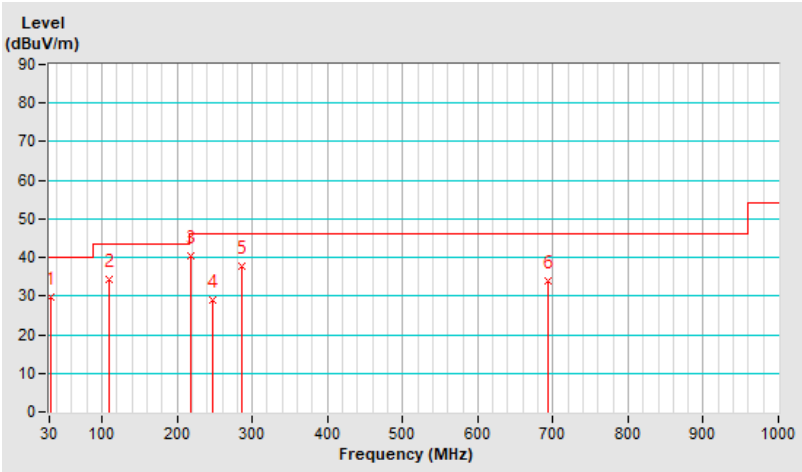


RF Mode	802.11be (EHT160)	Channel	CH 79：6345 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.53	29.8 QP	40.0	-10.2	1.00 V	249	43.6	-13.8
2	109.86	34.4 QP	43.5	-9.1	2.00 V	360	50.0	-15.6
3	218.68	40.5 QP	46.0	-5.5	1.00 V	162	57.0	-16.5
4	248.11	29.0 QP	46.0	-17.0	2.00 V	33	43.1	-14.1
5	286.77	37.7 QP	46.0	-8.3	1.50 V	261	50.4	-12.7
6	693.16	34.0 QP	46.0	-12.0	1.50 V	57	37.5	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



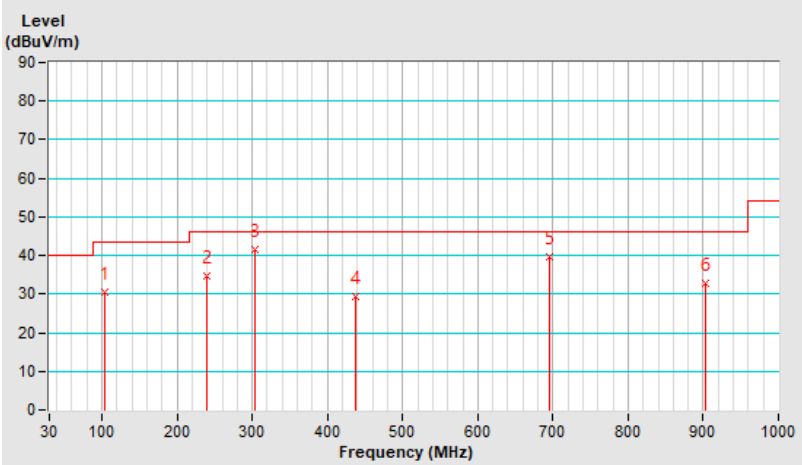
2S2T

RF Mode	802.11be (EHT160)	Channel	CH 207：6985 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	103.77	30.6 QP	43.5	-12.9	1.00 H	316	46.9	-16.3
2	239.08	34.7 QP	46.0	-11.3	2.00 H	243	49.2	-14.5
3	302.96	41.4 QP	46.0	-4.6	1.50 H	271	53.6	-12.2
4	437.43	29.3 QP	46.0	-16.7	1.50 H	326	37.9	-8.6
5	696.10	39.5 QP	46.0	-6.5	3.00 H	240	43.0	-3.5
6	902.81	32.9 QP	46.0	-13.1	1.50 H	278	33.0	-0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

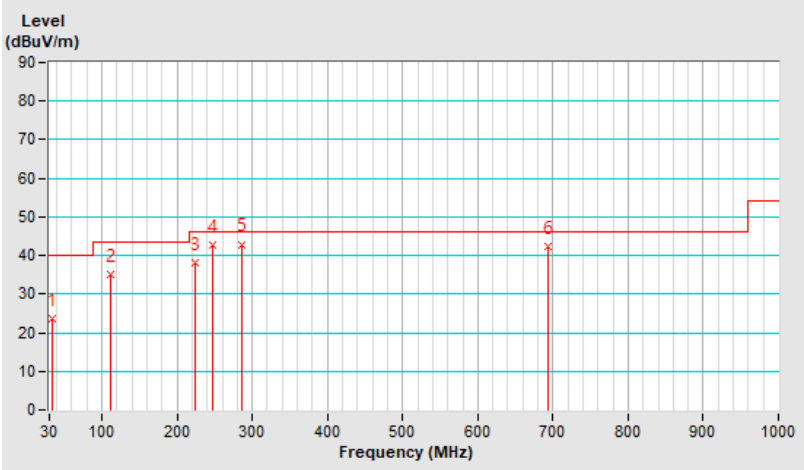


RF Mode	802.11be (EHT160)	Channel	CH 207：6985 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.10	23.7 QP	40.0	-16.3	1.50 V	250	37.5	-13.8
2	111.75	35.2 QP	43.5	-8.3	2.00 V	314	50.7	-15.5
3	223.09	38.0 QP	46.0	-8.0	1.00 V	171	54.5	-16.5
4	247.40	42.6 QP	46.0	-3.4	1.00 V	21	56.8	-14.2
5	286.82	42.9 QP	46.0	-3.1	3.00 V	250	55.6	-12.7
6	693.68	42.2 QP	46.0	-3.8	3.00 V	1	45.7	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



under control of a Standard Power AP

Mode A

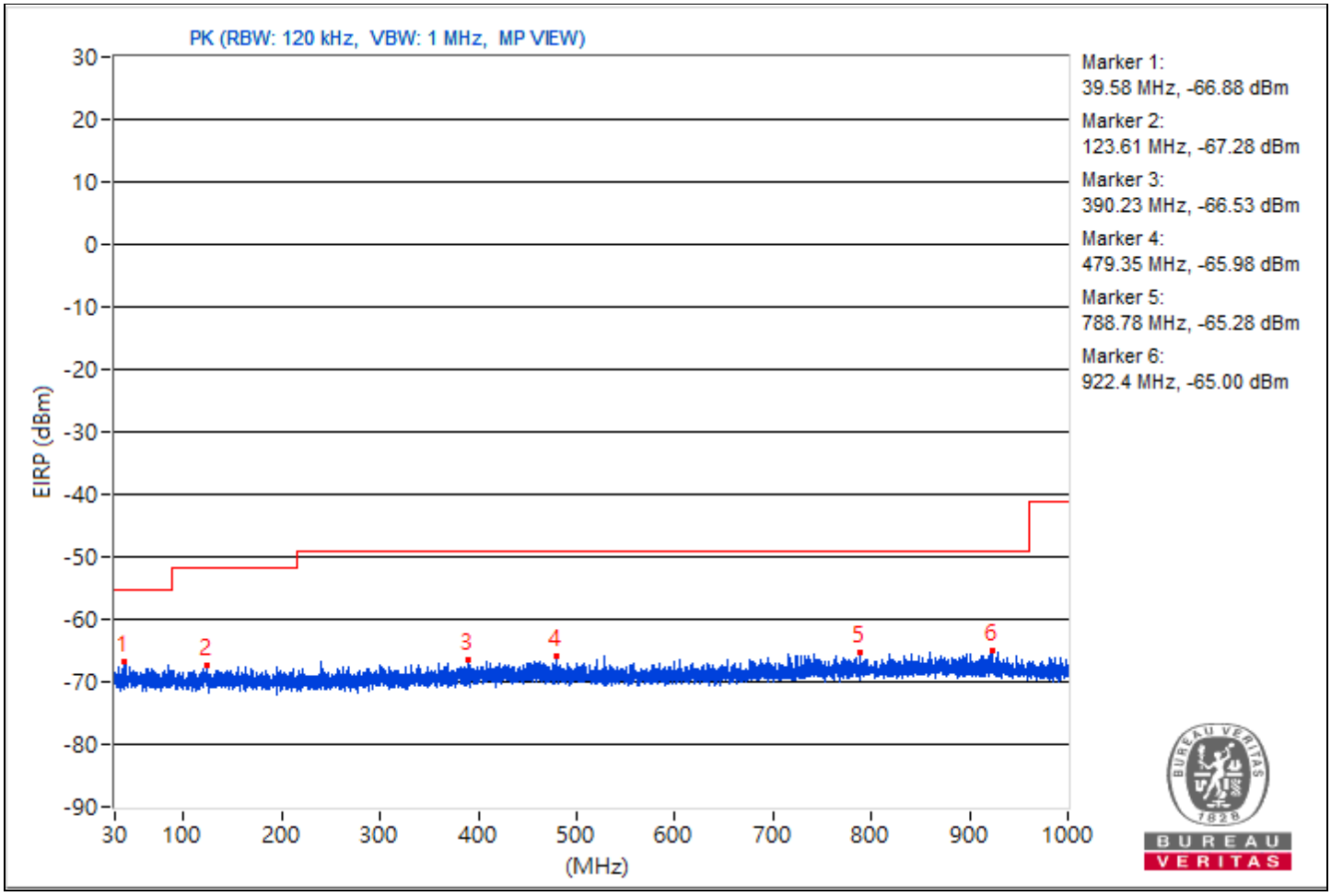
1S1T

RF Mode	802.11be (EHT40)	Channel	CH 3：5965 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	39.58	28.38 PK	40	-11.62	-79.95	13.07	-66.88
2	123.61	27.98 PK	43.5	-15.52	-80.35	13.07	-67.28
3	390.23	28.73 PK	46	-17.27	-79.6	13.07	-66.53
4	479.35	29.28 PK	46	-16.72	-79.05	13.07	-65.98
5	788.78	29.98 PK	46	-16.02	-78.35	13.07	-65.28
6	922.4	30.26 PK	46	-15.74	-78.07	13.07	-65

Notes:

1. Margin value = Emission Level - Limit value
2. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



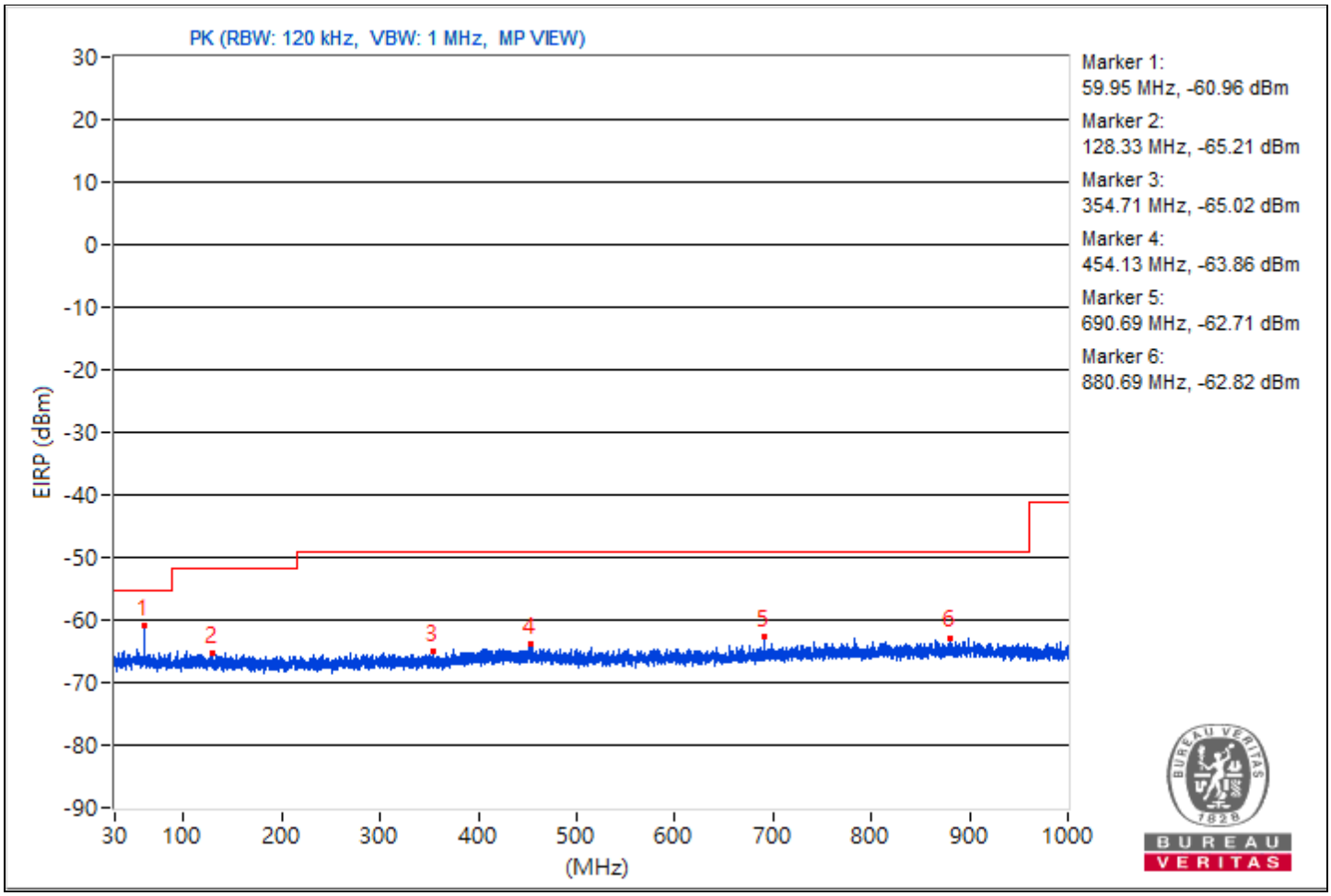
2S2T

RF Mode	802.11be (EHT80)	Channel	CH 7：5985 MHz
Frequency Range	30 MHz ~ 1 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Raw Value Chain 1 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	59.95	34.3 PK	40	-5.7	-78.32	-76.06	13.07	-60.96
2	128.33	30.05 PK	43.5	-13.45	-82.54	-80.32	13.07	-65.21
3	354.71	30.24 PK	46	-15.76	-80.25	-82.14	13.07	-65.02
4	454.13	31.4 PK	46	-14.6	-81.85	-78.61	13.07	-63.86
5	690.69	32.55 PK	46	-13.45	-81.05	-77.3	13.07	-62.71
6	880.69	32.44 PK	46	-13.56	-77.99	-80.05	13.07	-62.82

Notes:

1. Margin value = Emission Level - Limit value
2. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



Mode B

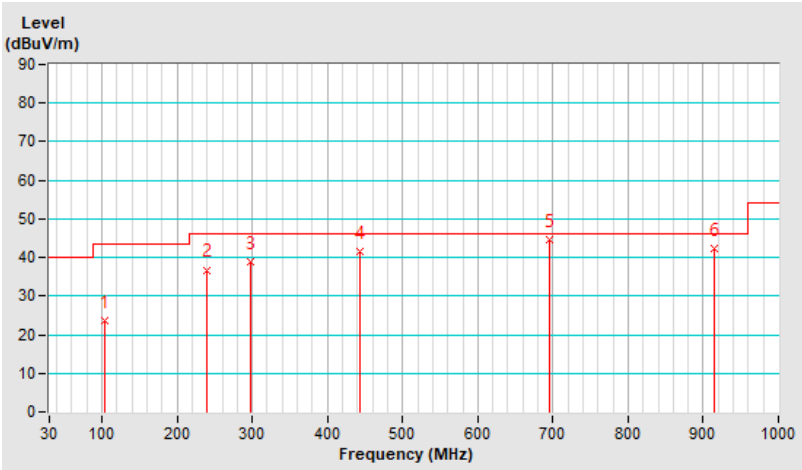
1S1T

RF Mode	802.11be (EHT40)	Channel	CH 3：5965 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	104.14	23.7 QP	43.5	-19.8	1.00 H	318	40.0	-16.3
2	239.18	36.8 QP	46.0	-9.2	2.50 H	252	51.3	-14.5
3	297.56	38.9 QP	46.0	-7.1	1.00 H	271	51.3	-12.4
4	442.58	41.5 QP	46.0	-4.5	1.00 H	299	49.9	-8.4
5	**696.06**	**44.6 QP**	**46.0**	**-1.4**	**2.00 H**	**244**	**48.1**	**-3.5**
6	914.18	42.4 QP	46.0	-3.6	1.50 H	244	42.3	0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

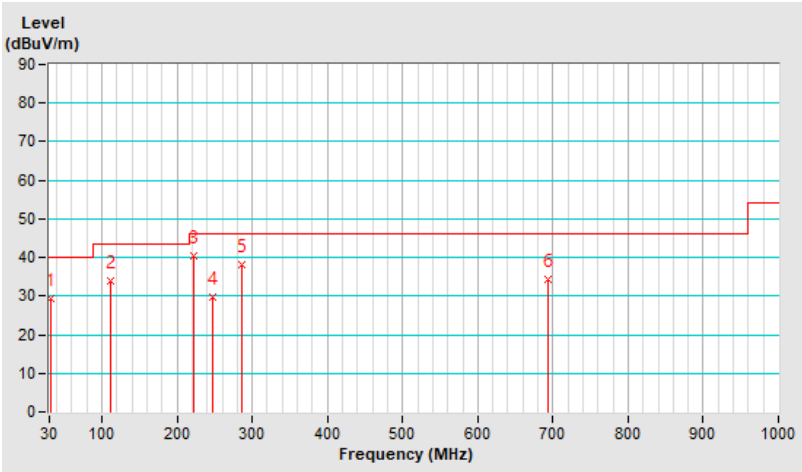


RF Mode	802.11be (EHT40)	Channel	CH 3：5965 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.78	29.3 QP	40.0	-10.7	1.50 V	273	43.1	-13.8
2	110.80	33.8 QP	43.5	-9.7	2.00 V	346	49.4	-15.6
3	221.20	40.5 QP	46.0	-5.5	1.50 V	183	57.0	-16.5
4	246.42	29.7 QP	46.0	-16.3	1.50 V	28	43.9	-14.2
5	286.99	38.1 QP	46.0	-7.9	3.00 V	286	50.8	-12.7
6	693.53	34.4 QP	46.0	-11.6	2.00 V	61	37.9	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



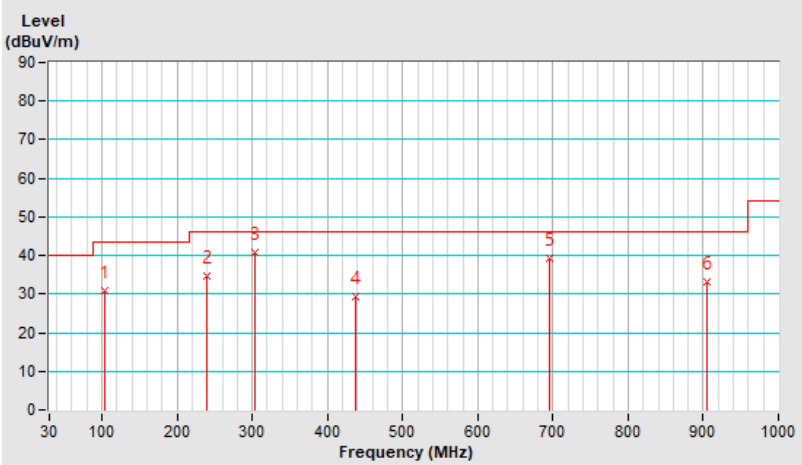
2S2T

RF Mode	802.11be (EHT80)	Channel	CH 7：5985 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	103.96	30.9 QP	43.5	-12.6	1.00 H	331	47.2	-16.3
2	239.25	34.7 QP	46.0	-11.3	1.00 H	233	49.2	-14.5
3	303.97	40.8 QP	46.0	-5.2	1.00 H	275	53.0	-12.2
4	437.18	29.4 QP	46.0	-16.6	2.00 H	333	38.0	-8.6
5	696.02	39.1 QP	46.0	-6.9	1.50 H	249	42.6	-3.5
6	904.46	33.1 QP	46.0	-12.9	1.50 H	262	33.2	-0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

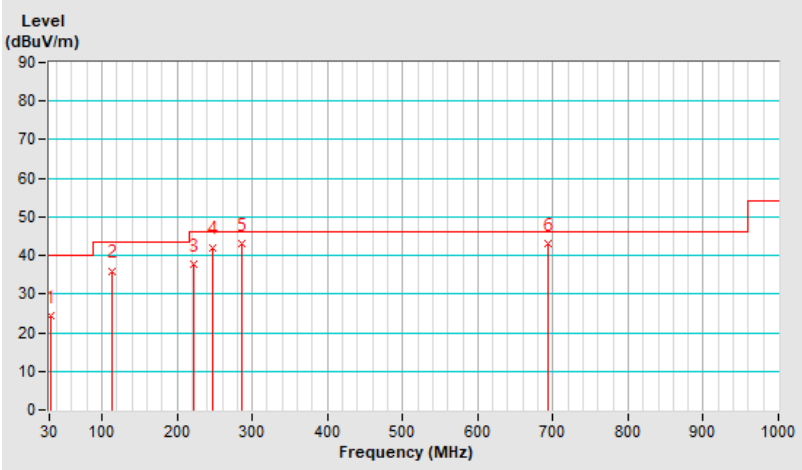


RF Mode	802.11be (EHT80)	Channel	CH 7：5985 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.69	24.4 QP	40.0	-15.6	1.50 V	266	38.1	-13.7
2	113.68	36.0 QP	43.5	-7.5	1.50 V	314	51.3	-15.3
3	221.24	37.9 QP	46.0	-8.1	2.00 V	157	54.4	-16.5
4	246.75	42.1 QP	46.0	-3.9	2.00 V	4	56.3	-14.2
5	286.49	43.1 QP	46.0	-2.9	3.00 V	248	55.9	-12.8
6	693.71	43.0 QP	46.0	-3.0	1.50 V	8	46.5	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.9 Unwanted Emissions above 1 GHz

under control of a low-power indoor AP

Mode A

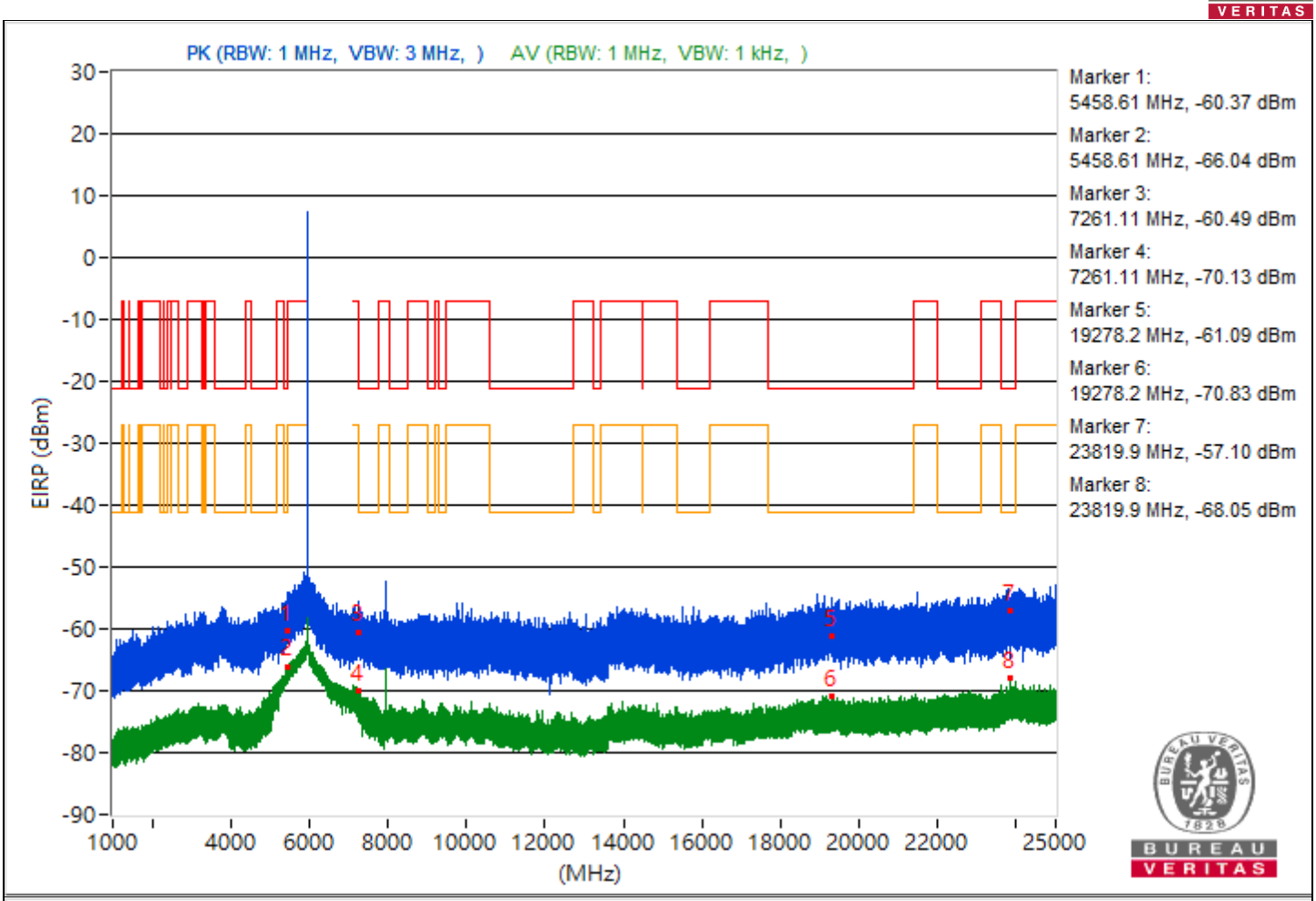
Conducted Unwanted Emissions

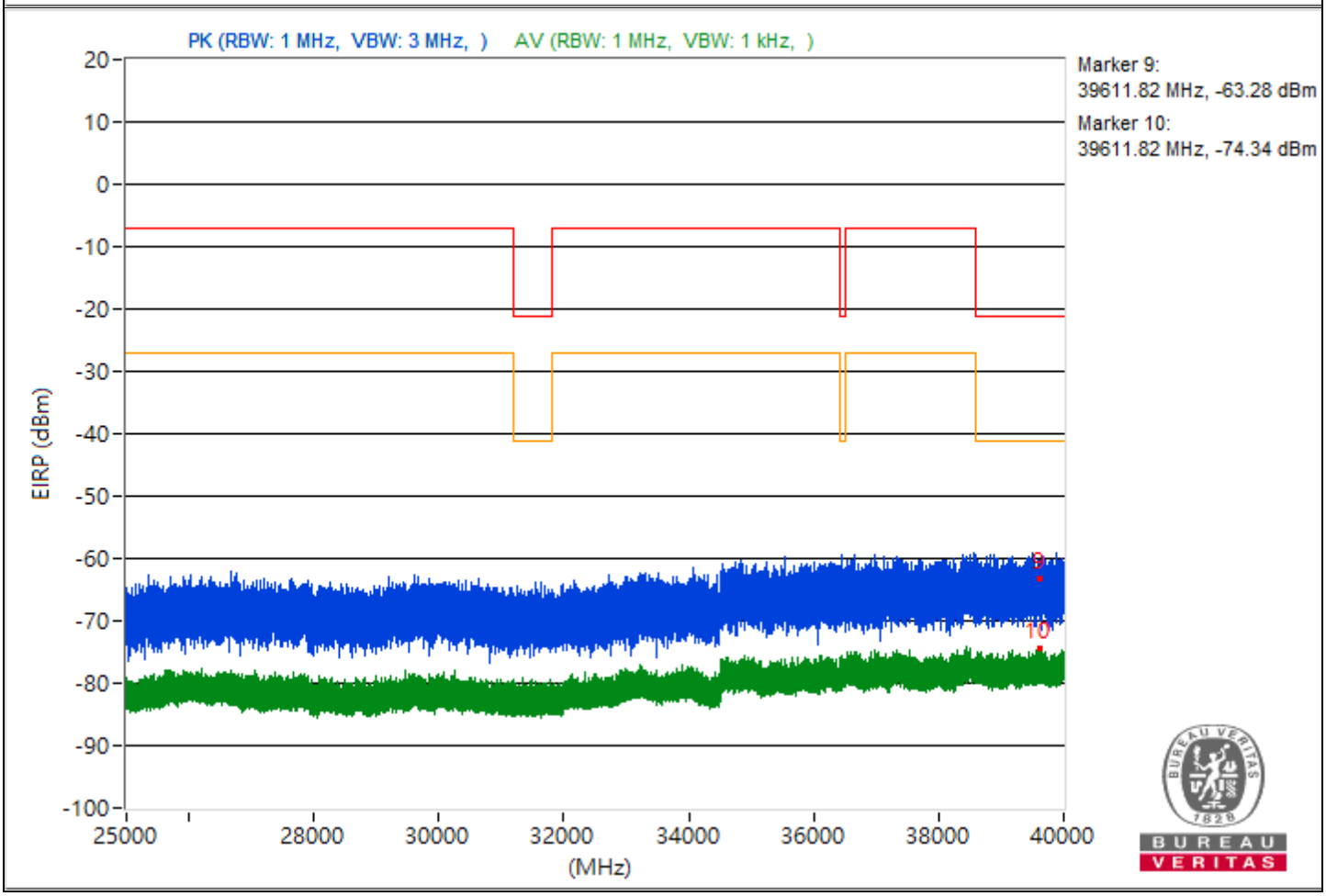
1TX

RF Mode	802.11a	Channel	CH 1：5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5458.61	34.89 PK	74	-39.11	-68.74	8.37	-60.37
2	5458.61	29.22 AV	54	-24.78	-74.41	8.37	-66.04
3	7261.11	34.77 PK	74	-39.23	-68.86	8.37	-60.49
4	7261.11	25.13 AV	54	-28.87	-78.5	8.37	-70.13
5	19278.2	34.17 PK	74	-39.83	-69.46	8.37	-61.09
6	19278.2	24.43 AV	54	-29.57	-79.2	8.37	-70.83
7	23819.9	38.16 PK	74	-35.84	-65.47	8.37	-57.1
8	23819.9	27.21 AV	54	-26.79	-76.42	8.37	-68.05
9	39611.82	31.98 PK	74	-42.02	-71.65	8.37	-63.28
10	39611.82	20.92 AV	54	-33.08	-82.71	8.37	-74.34

Note: Margin value = Emission Level - Limit value

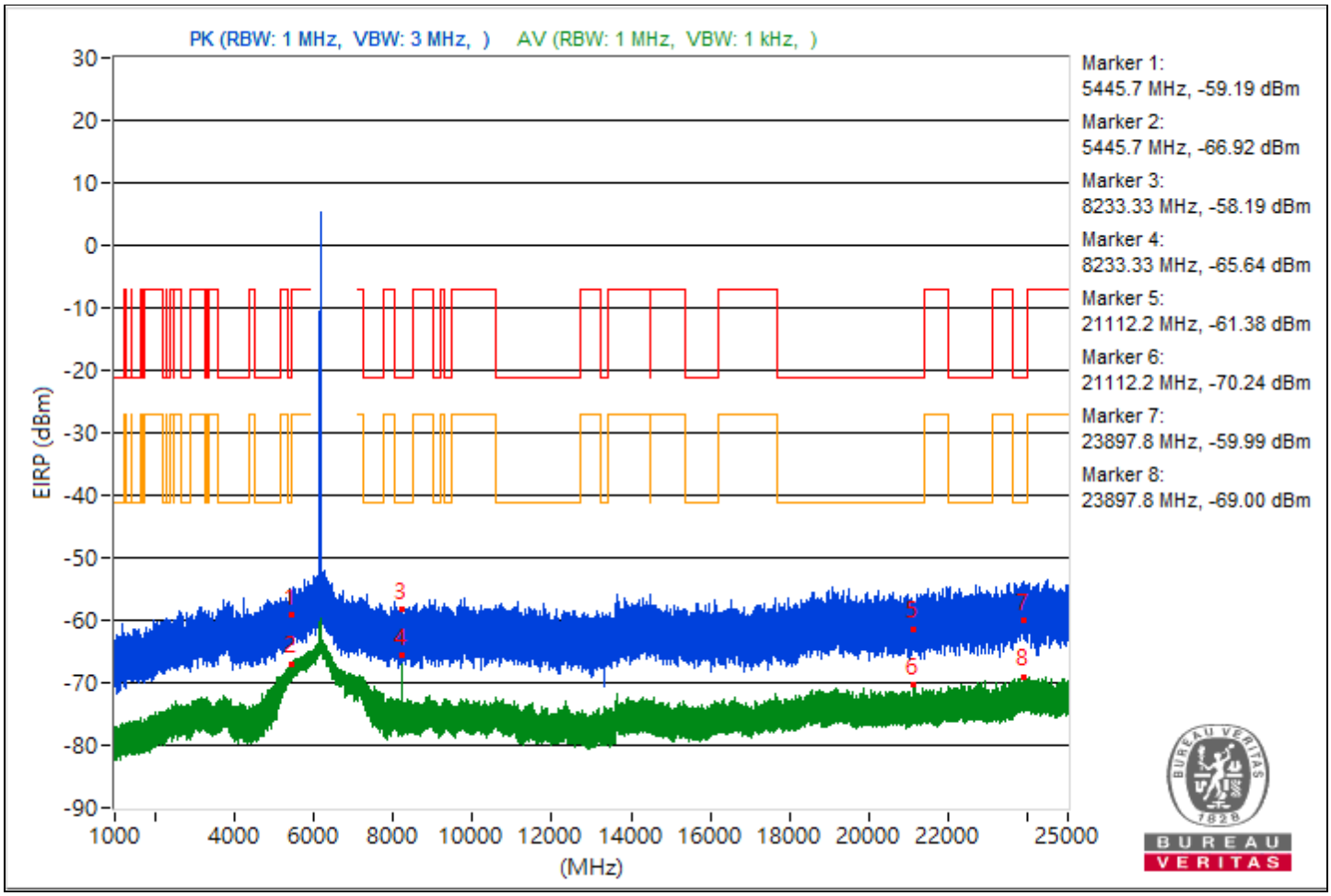

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 1:
5458.61 MHz, -60.37 dBm
Marker 2:
5458.61 MHz, -66.04 dBm
Marker 3:
7261.11 MHz, -60.49 dBm
Marker 4:
7261.11 MHz, -70.13 dBm
Marker 5:
19278.2 MHz, -61.09 dBm
Marker 6:
19278.2 MHz, -70.83 dBm
Marker 7:
23819.9 MHz, -57.10 dBm
Marker 8:
23819.9 MHz, -68.05 dBm
EIRP (dBm)
(MHz)

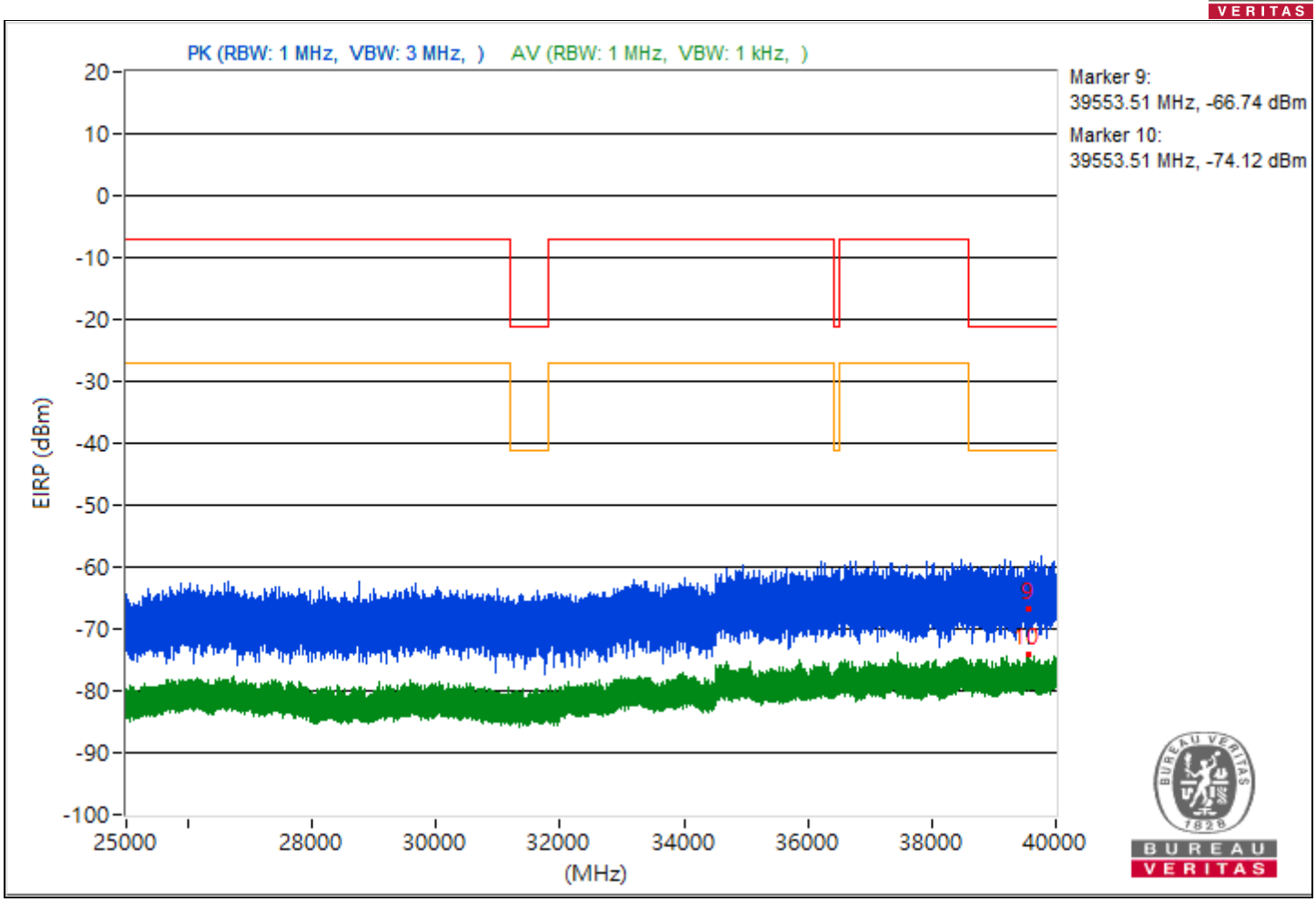

PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
39611.82 MHz, -63.28 dBm
Marker 10:
39611.82 MHz, -74.34 dBm
EIRP (dBm)
(MHz)

RF Mode	802.11a	Channel	CH 45：6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5445.7	36.07 PK	74	-37.93	-67.56	8.37	-59.19
2	5445.7	28.34 AV	54	-25.66	-75.29	8.37	-66.92
3	8233.33	37.07 PK	74	-36.93	-66.56	8.37	-58.19
4	8233.33	29.62 AV	54	-24.38	-74.01	8.37	-65.64
5	21112.2	33.88 PK	74	-40.12	-69.75	8.37	-61.38
6	21112.2	25.02 AV	54	-28.98	-78.61	8.37	-70.24
7	23897.8	35.27 PK	74	-38.73	-68.36	8.37	-59.99
8	23897.8	26.26 AV	54	-27.74	-77.37	8.37	-69
9	39553.51	28.52 PK	74	-45.48	-75.11	8.37	-66.74
10	39553.51	21.14 AV	54	-32.86	-82.49	8.37	-74.12

Note: Margin value = Emission Level - Limit value

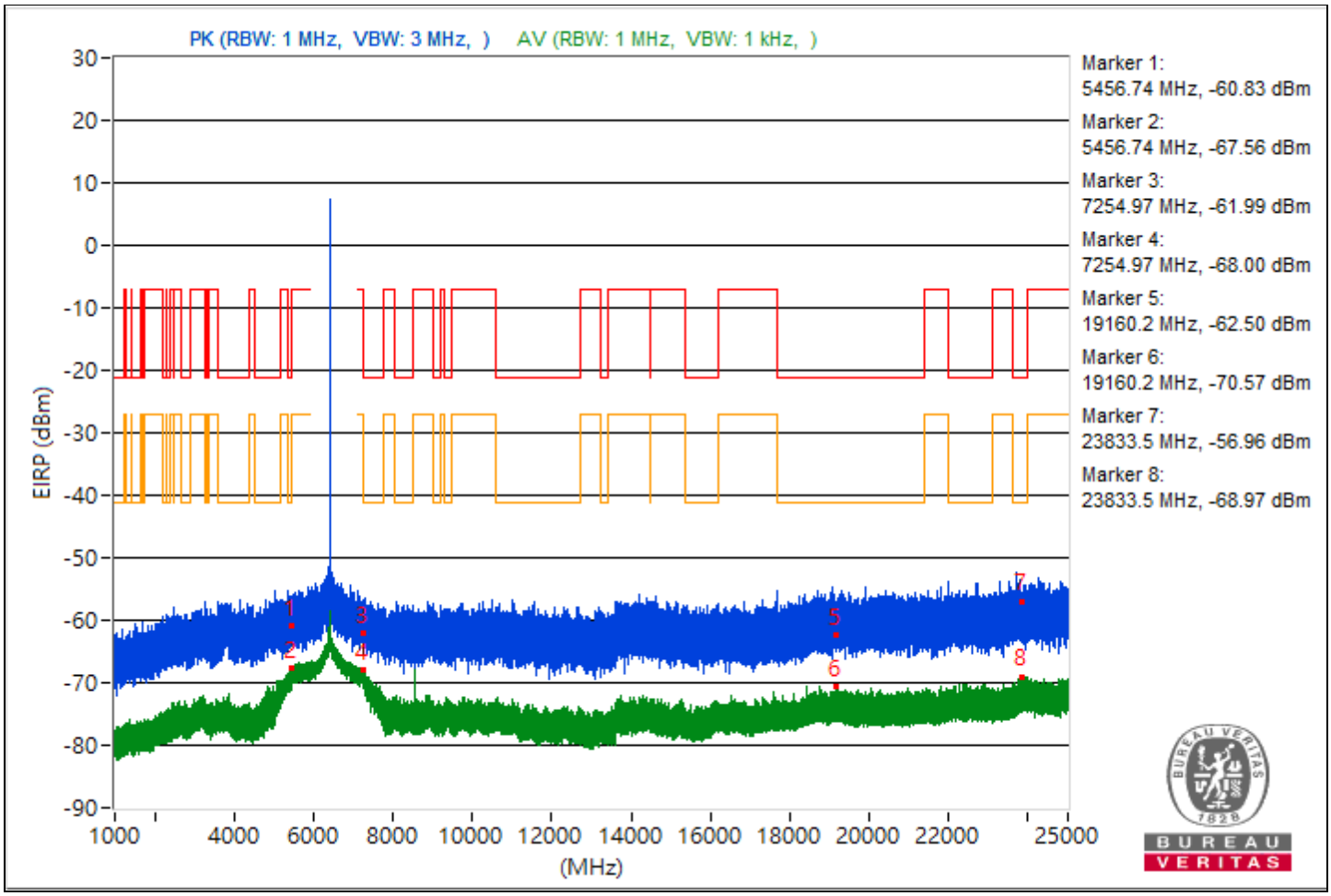



PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
39553.51 MHz, -66.74 dBm
Marker 10:
39553.51 MHz, -74.12 dBm
EIRP (dBm)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

RF Mode	802.11a	Channel	CH 93：6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5456.74	34.43 PK	74	-39.57	-69.2	8.37	-60.83
2	5456.74	27.7 AV	54	-26.3	-75.93	8.37	-67.56
3	7254.97	33.27 PK	74	-40.73	-70.36	8.37	-61.99
4	7254.97	27.26 AV	54	-26.74	-76.37	8.37	-68
5	19160.2	32.76 PK	74	-41.24	-70.87	8.37	-62.5
6	19160.2	24.69 AV	54	-29.31	-78.94	8.37	-70.57
7	23833.5	38.3 PK	74	-35.7	-65.33	8.37	-56.96
8	23833.5	26.29 AV	54	-27.71	-77.34	8.37	-68.97
9	39586.31	31.66 PK	74	-42.34	-71.97	8.37	-63.6
10	39586.31	21.7 AV	54	-32.3	-81.93	8.37	-73.56

Note: Margin value = Emission Level - Limit value

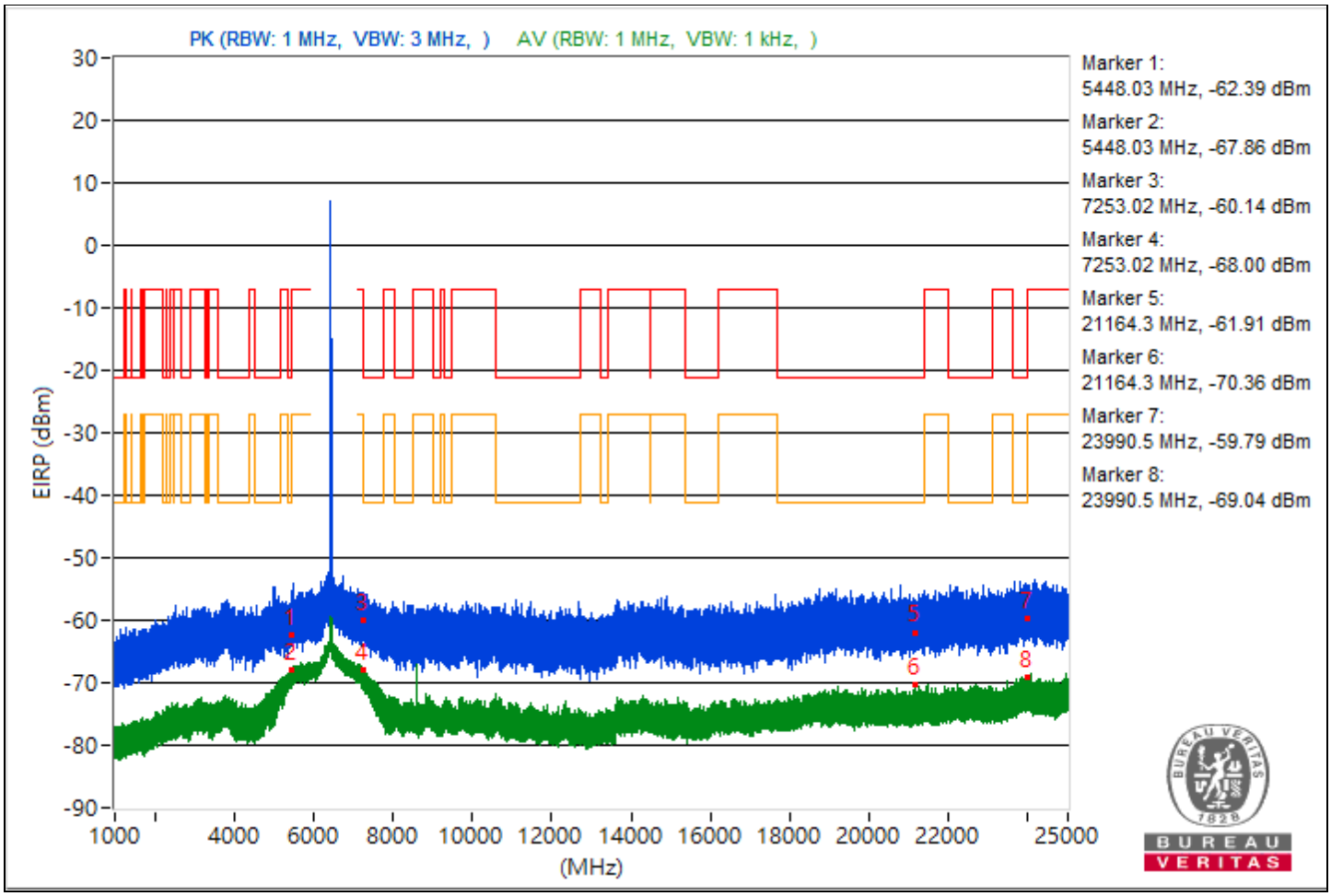


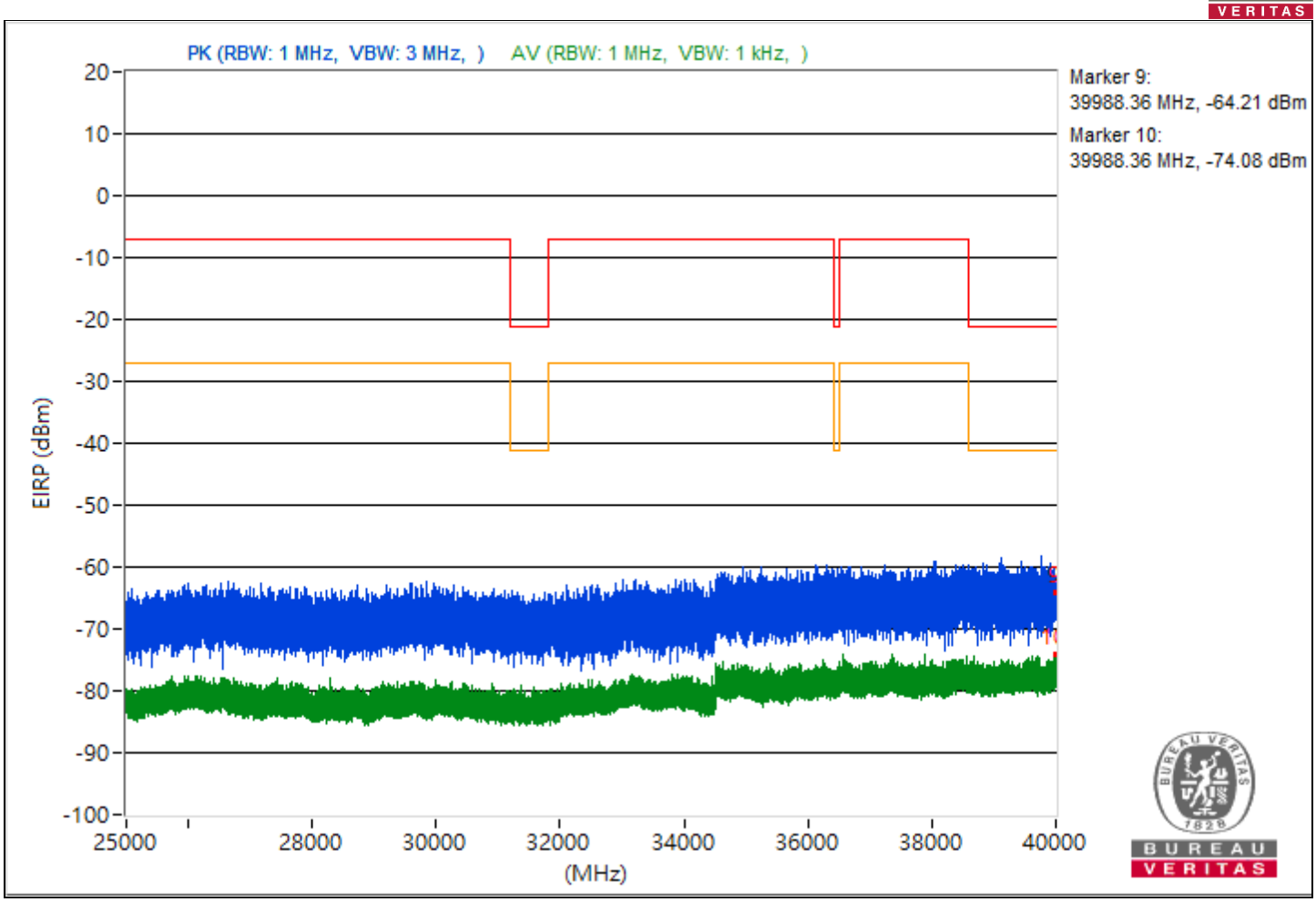
PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
39586.31 MHz, -63.60 dBm
Marker 10:
39586.31 MHz, -73.56 dBm
EIRP (dBm)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

RF Mode	802.11a	Channel	CH 97：6435 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5448.03	32.87 PK	74	-41.13	-70.76	8.37	-62.39
2	5448.03	27.4 AV	54	-26.6	-76.23	8.37	-67.86
3	7253.02	35.12 PK	74	-38.88	-68.51	8.37	-60.14
4	7253.02	27.26 AV	54	-26.74	-76.37	8.37	-68
5	21164.3	33.35 PK	74	-40.65	-70.28	8.37	-61.91
6	21164.3	24.9 AV	54	-29.1	-78.73	8.37	-70.36
7	23990.5	35.47 PK	74	-38.53	-68.16	8.37	-59.79
8	23990.5	26.22 AV	54	-27.78	-77.41	8.37	-69.04
9	39988.36	31.05 PK	74	-42.95	-72.58	8.37	-64.21
10	39988.36	21.18 AV	54	-32.82	-82.45	8.37	-74.08

Note: Margin value = Emission Level - Limit value

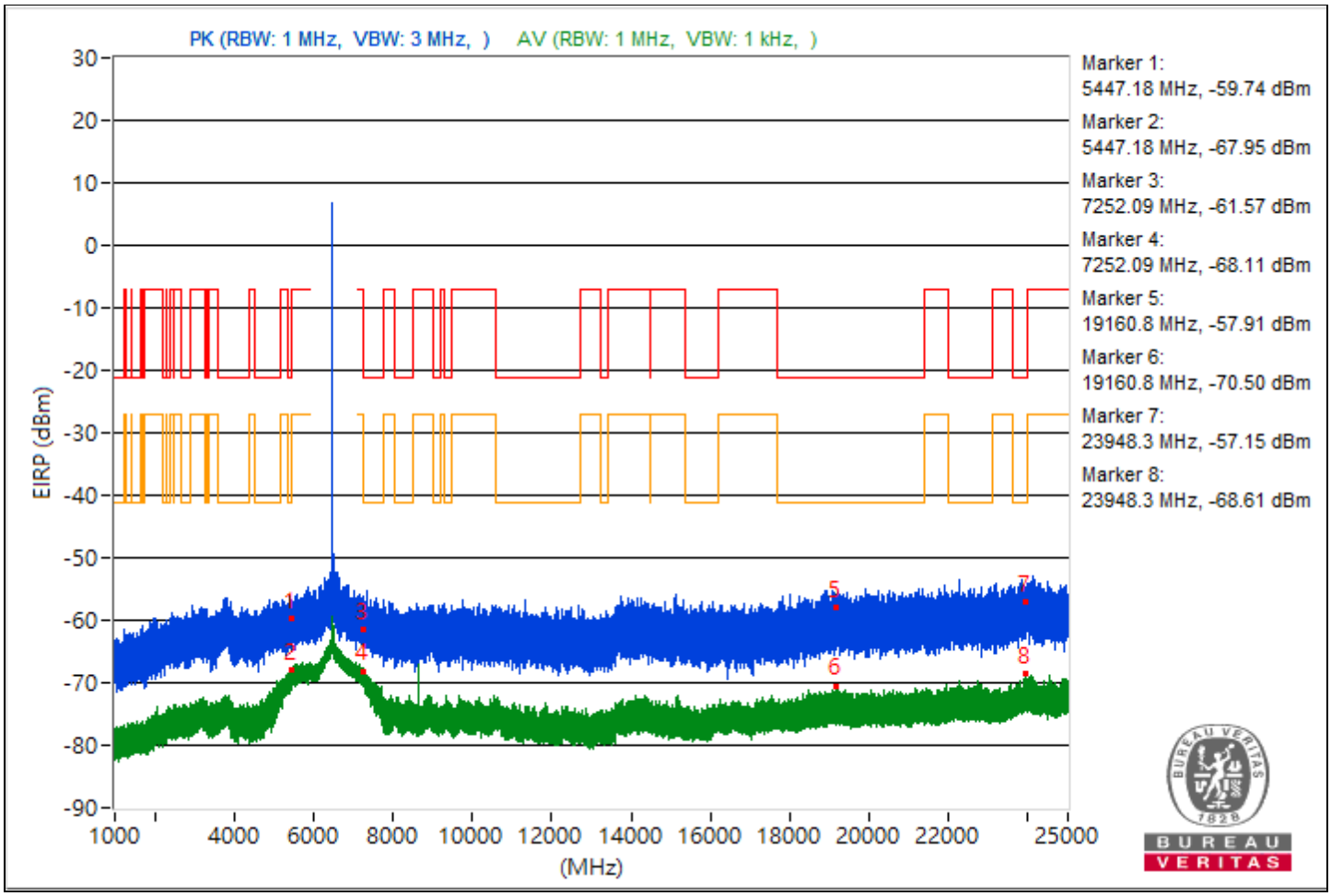



PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
39988.36 MHz, -64.21 dBm
Marker 10:
39988.36 MHz, -74.08 dBm
EIRP (dBm)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

RF Mode	802.11a	Channel	CH 105：6475 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5447.18	35.52 PK	74	-38.48	-68.11	8.37	-59.74
2	5447.18	27.31 AV	54	-26.69	-76.32	8.37	-67.95
3	7252.09	33.69 PK	74	-40.31	-69.94	8.37	-61.57
4	7252.09	27.15 AV	54	-26.85	-76.48	8.37	-68.11
5	19160.8	37.35 PK	74	-36.65	-66.28	8.37	-57.91
6	19160.8	24.76 AV	54	-29.24	-78.87	8.37	-70.5
7	23948.3	38.11 PK	74	-35.89	-65.52	8.37	-57.15
8	23948.3	26.65 AV	54	-27.35	-76.98	8.37	-68.61
9	39942.67	28.82 PK	74	-45.18	-74.81	8.37	-66.44
10	39942.67	21.09 AV	54	-32.91	-82.54	8.37	-74.17

Note: Margin value = Emission Level - Limit value

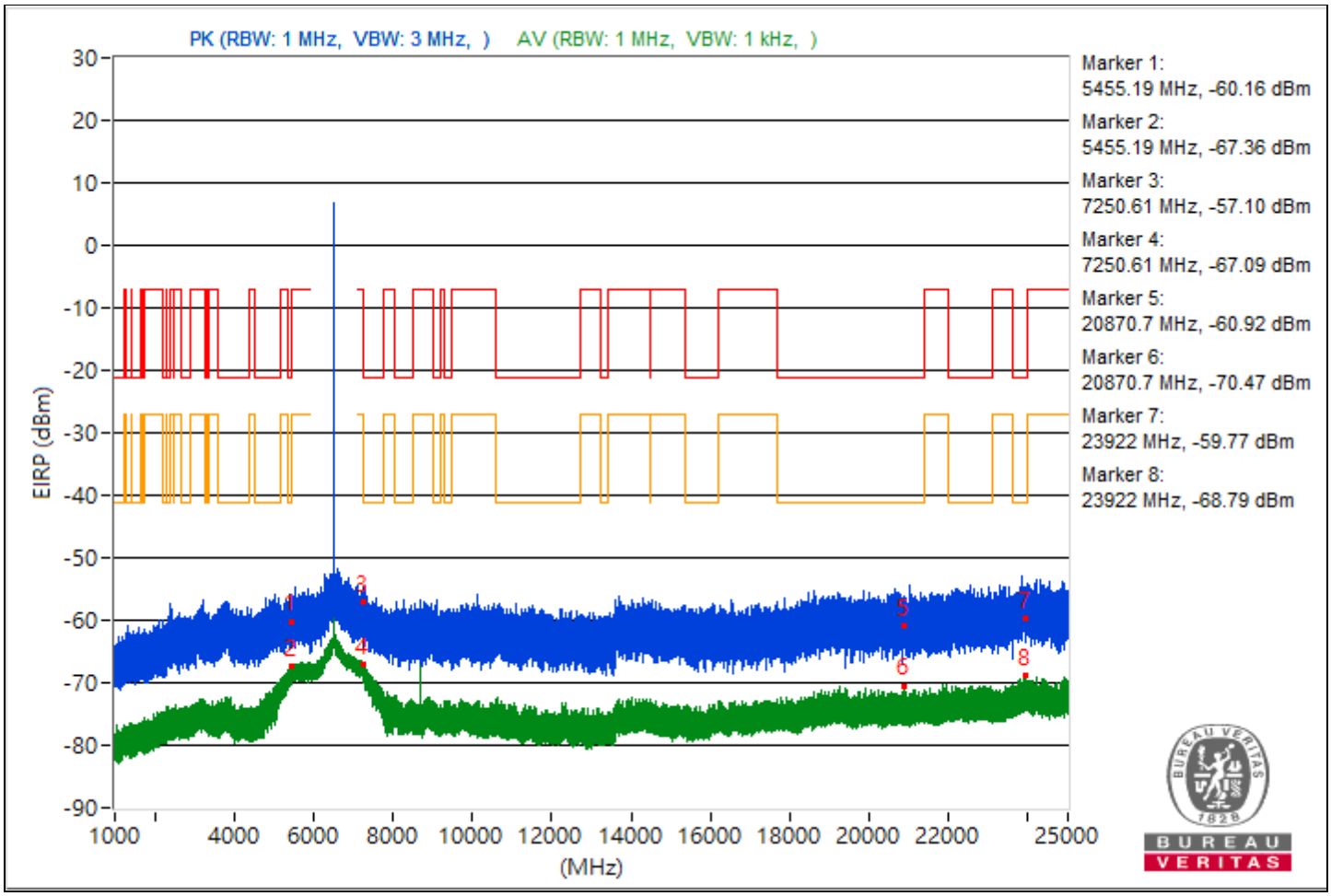


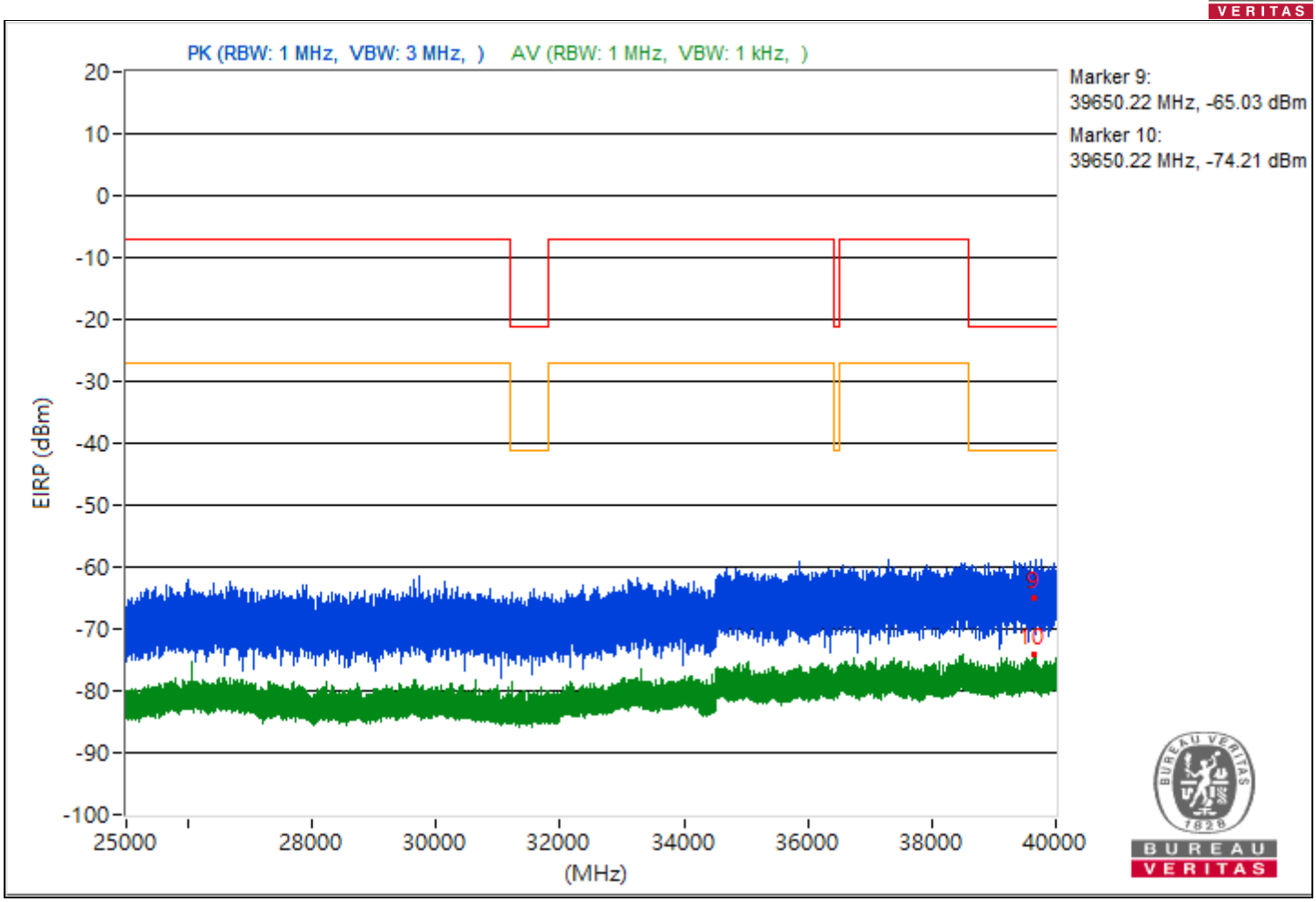
PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
39942.67 MHz, -66.44 dBm
Marker 10:
39942.67 MHz, -74.17 dBm
EIRP (dBm)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)

RF Mode	802.11a	Channel	CH 113：6515 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

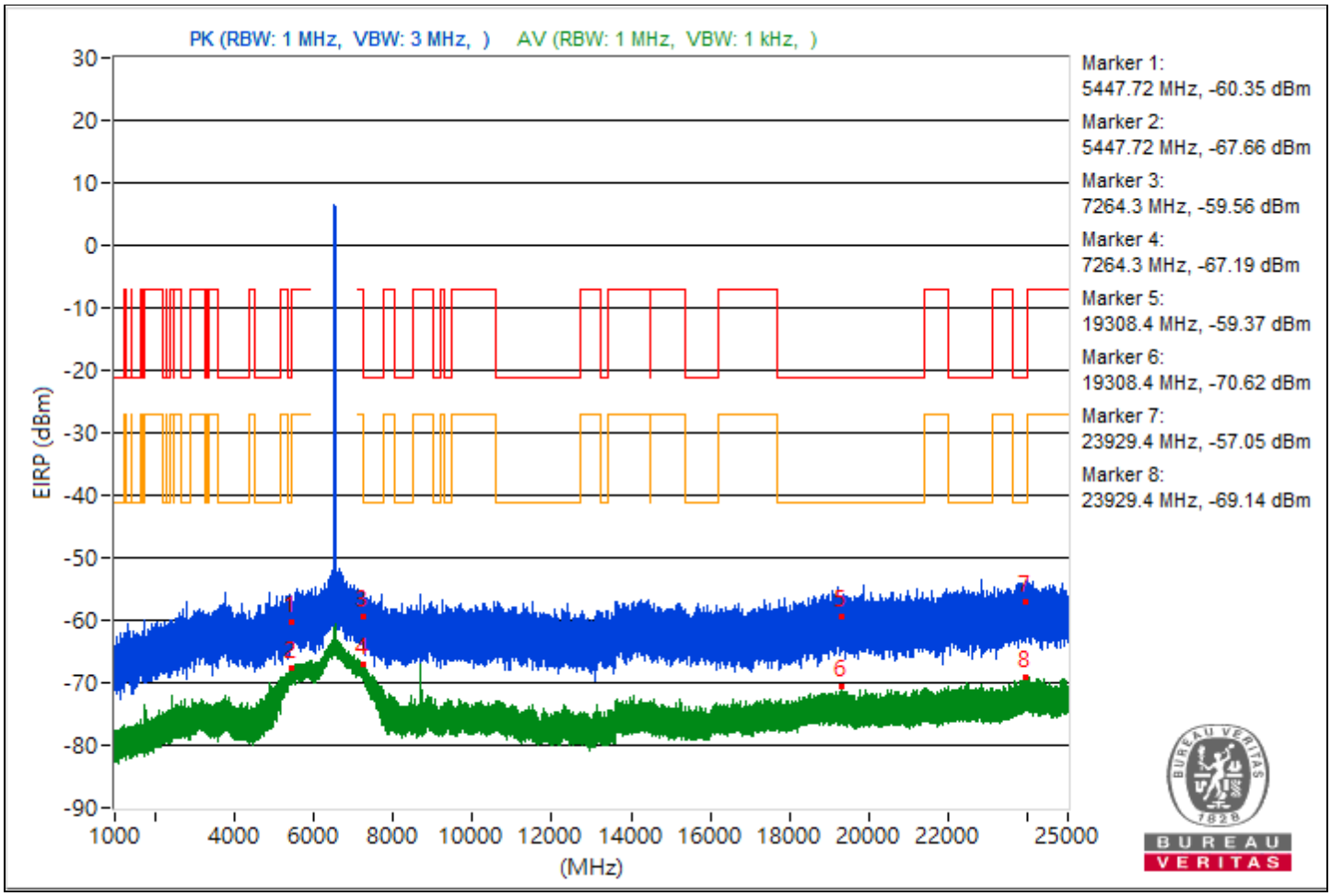
Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5455.19	35.1 PK	74	-38.9	-68.53	8.37	-60.16
2	5455.19	27.9 AV	54	-26.1	-75.73	8.37	-67.36
3	7250.61	38.16 PK	74	-35.84	-65.47	8.37	-57.1
4	7250.61	28.17 AV	54	-25.83	-75.46	8.37	-67.09
5	20870.7	34.34 PK	74	-39.66	-69.29	8.37	-60.92
6	20870.7	24.79 AV	54	-29.21	-78.84	8.37	-70.47
7	23922	35.49 PK	74	-38.51	-68.14	8.37	-59.77
8	23922	26.47 AV	54	-27.53	-77.16	8.37	-68.79
9	39650.22	30.23 PK	74	-43.77	-73.4	8.37	-65.03
10	39650.22	21.05 AV	54	-32.95	-82.58	8.37	-74.21

Note: Margin value = Emission Level - Limit value




PK (RBW: 1 MHz, VBW: 3 MHz,)
AV (RBW: 1 MHz, VBW: 1 kHz,)
Marker 9:
39650.22 MHz, -65.03 dBm
Marker 10:
39650.22 MHz, -74.21 dBm
EIRP (dBm)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
25000
28000
30000
32000
34000
36000
38000
40000
(MHz)
9
10

RF Mode	802.11a	Channel	CH 117：6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Environmental Conditions	25°C, 60% RH
Tested By	Dolly Chung		

Conducted Unwanted Emissions							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value Chain 0 (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5447.72	34.91 PK	74	-39.09	-68.72	8.37	-60.35
2	5447.72	27.6 AV	54	-26.4	-76.03	8.37	-67.66
3	7264.3	35.7 PK	74	-38.3	-67.93	8.37	-59.56
4	7264.3	28.07 AV	54	-25.93	-75.56	8.37	-67.19
5	19308.4	35.89 PK	74	-38.11	-67.74	8.37	-59.37
6	19308.4	24.64 AV	54	-29.36	-78.99	8.37	-70.62
7	23929.4	38.21 PK	74	-35.79	-65.42	8.37	-57.05
8	23929.4	26.12 AV	54	-27.88	-77.51	8.37	-69.14
9	39616.44	30.17 PK	74	-43.83	-73.46	8.37	-65.09
10	39616.44	20.49 AV	54	-33.51	-83.14	8.37	-74.77

Note: Margin value = Emission Level - Limit value