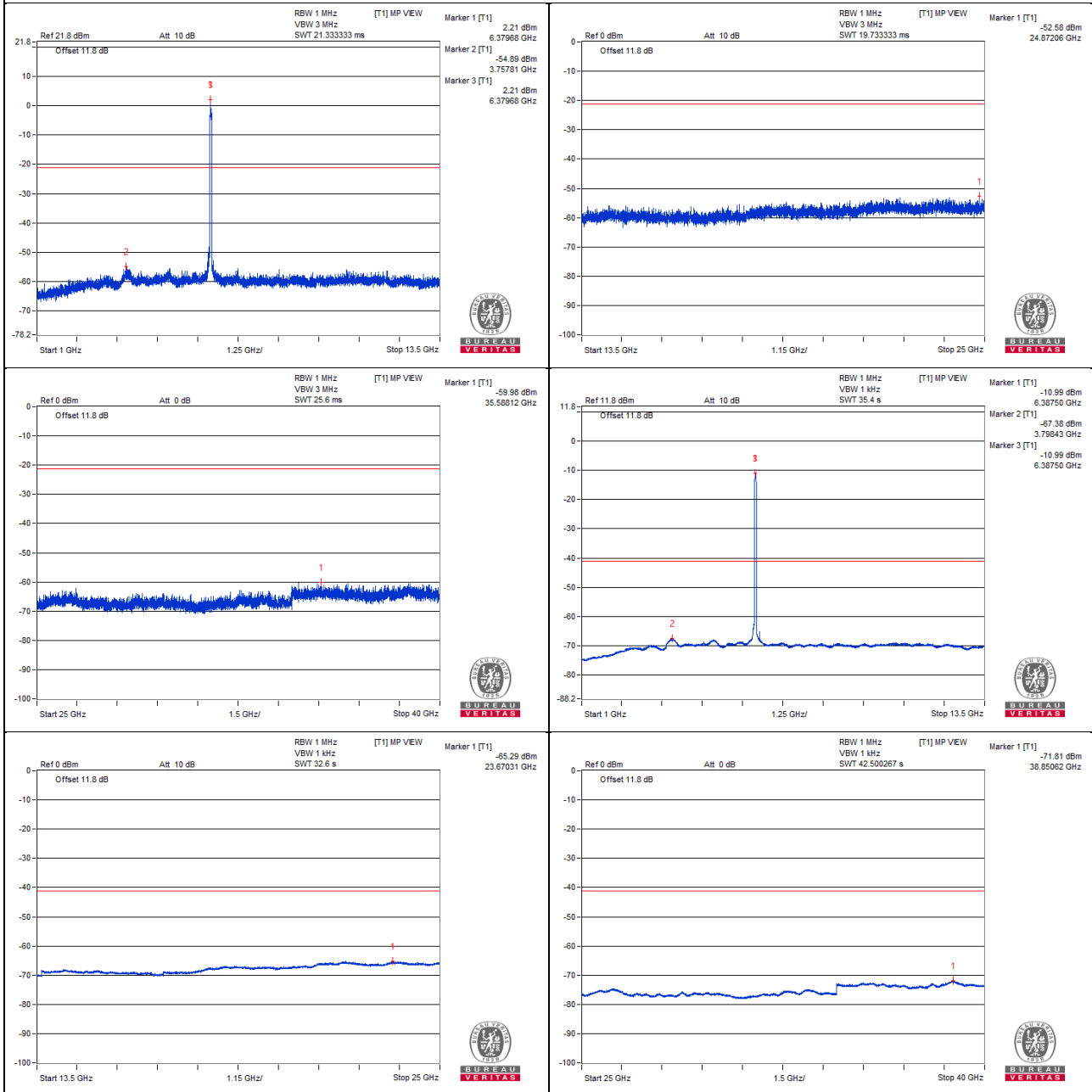


Chain 1



802.11be (EHT80) - Channel 103

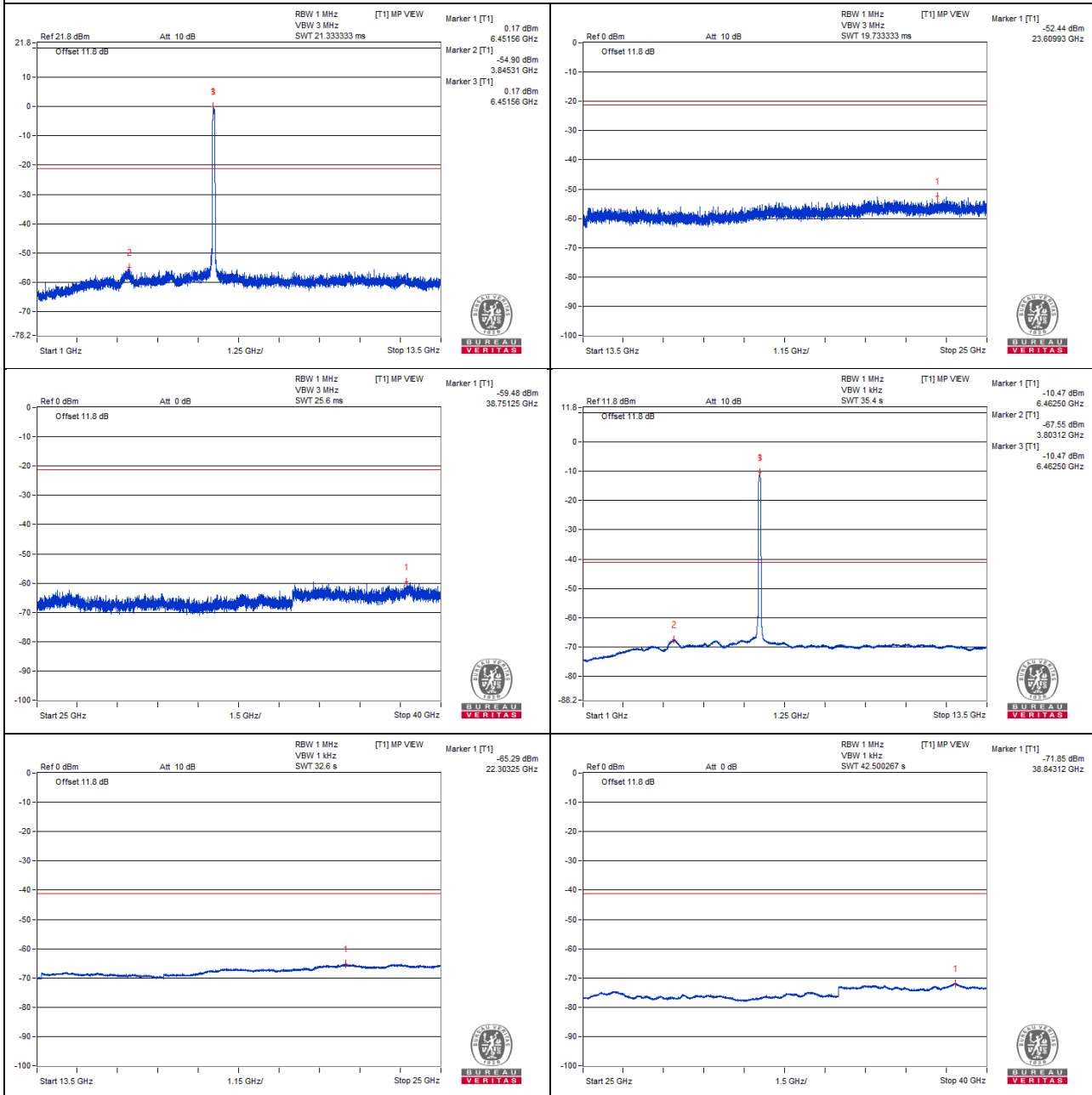
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#12939.06	42.9 PK	88.2	-45.3	-59.82	-60.46	4.76	-52.36
2	#12929.68	32.22 AV	68.2	-35.98	-70.56	-71.07	4.76	-63.04
3	19400.93	46.12 PK	74	-27.88	-57.18	-56.65	4.76	-49.14
4	19395.18	35.84 AV	54	-18.16	-67.22	-67.16	4.76	-59.42

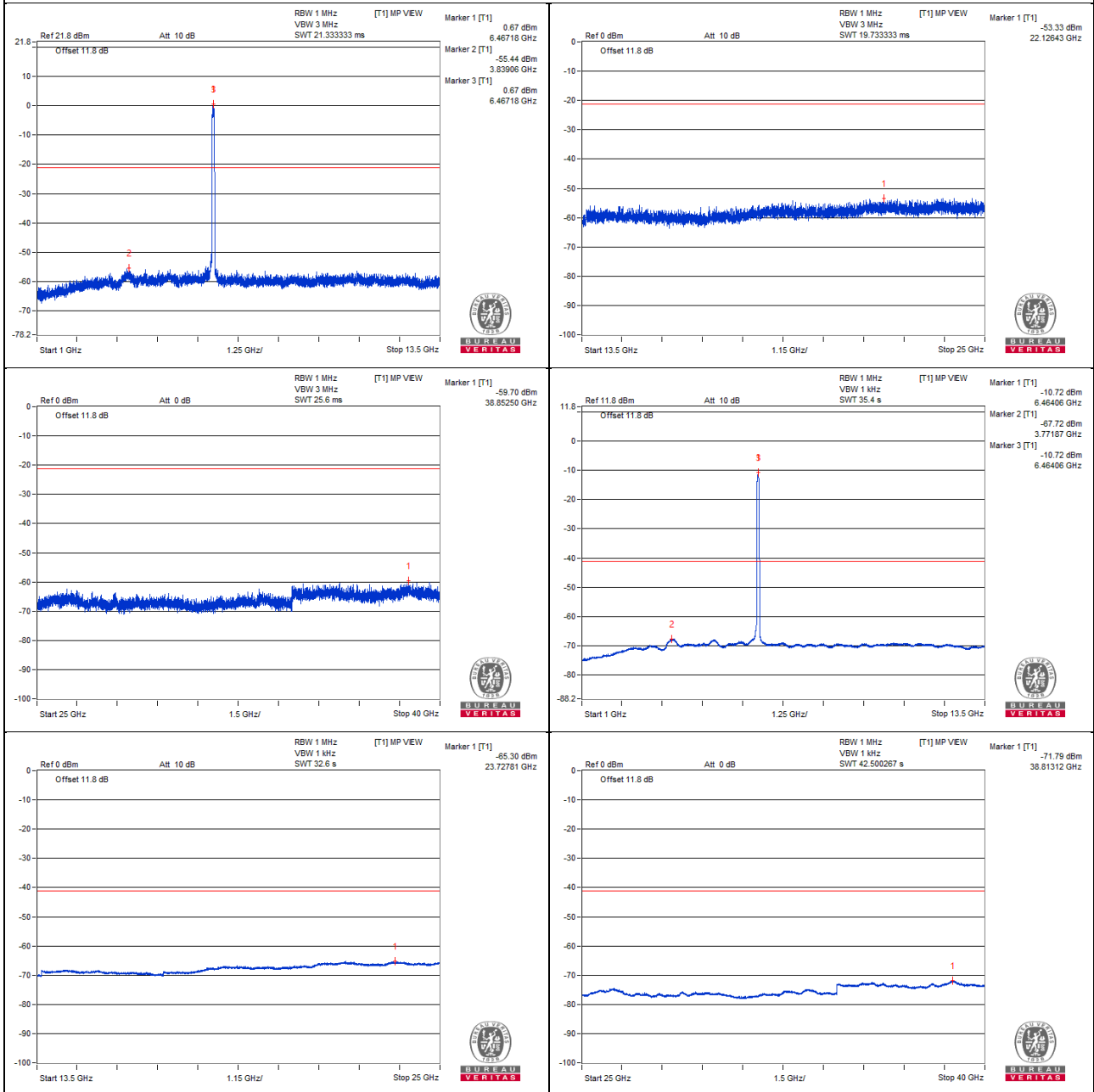
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT80) - Channel 119

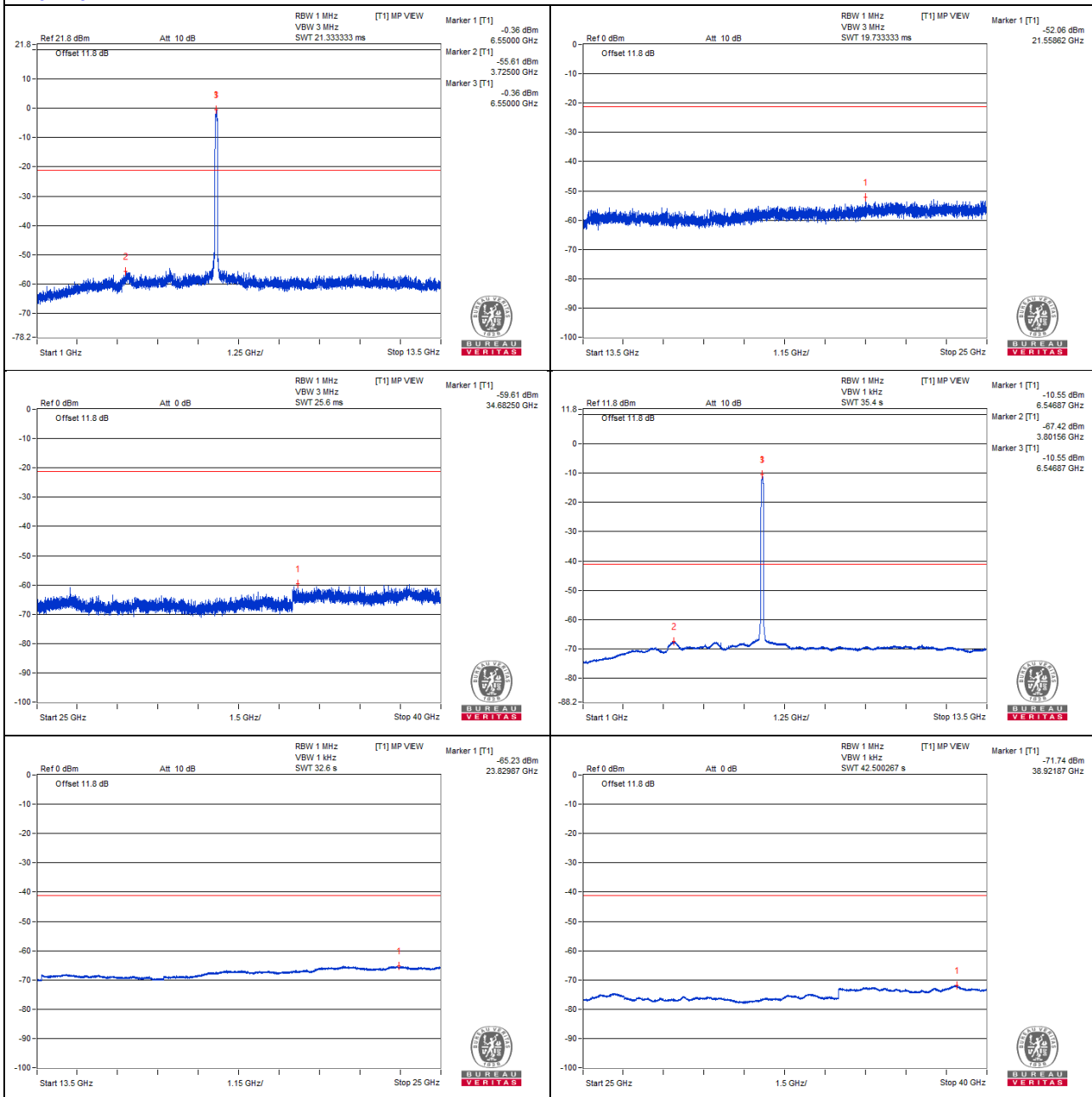
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13093.75	43.55 PK	88.2	-44.65	-59.26	-59.72	4.76	-51.71
2	#13093.75	32.54 AV	68.2	-35.66	-70.59	-70.4	4.76	-62.72
3	19626.62	45.97 PK	74	-28.03	-57.65	-56.54	4.76	-49.29
4	19628.06	35.36 AV	54	-18.64	-67.65	-67.69	4.76	-59.90

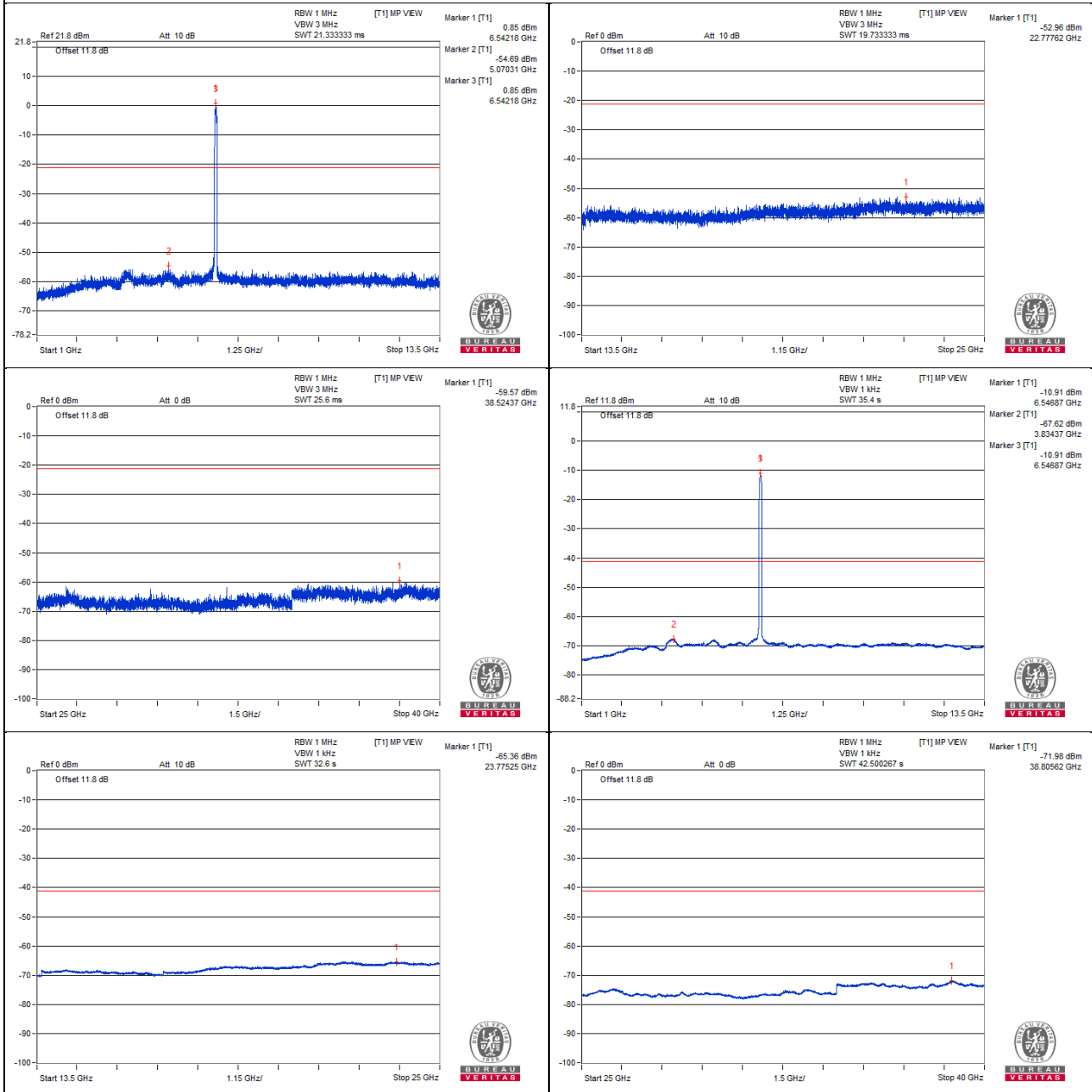
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT80) - Channel 135

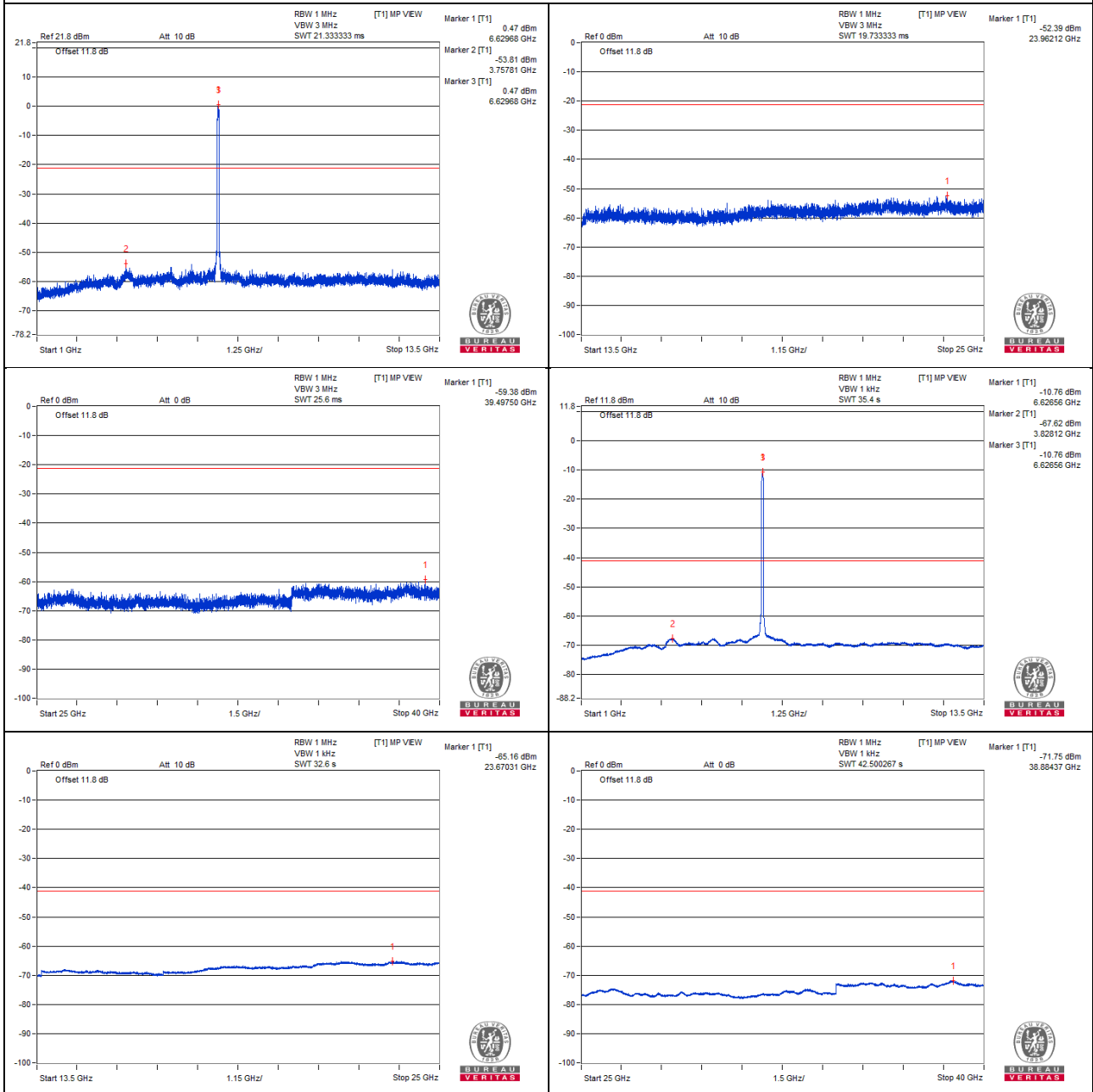
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	13253.12	43.15 PK	74	-30.85	-59.74	-60.03	4.76	-52.11
2	13259.37	32.6 AV	54	-21.4	-70.58	-70.28	4.76	-62.66
3	19876.75	46.03 PK	74	-27.97	-56.48	-57.6	4.76	-49.23
4	19873.87	35.75 AV	54	-18.25	-67.29	-67.28	4.76	-59.51

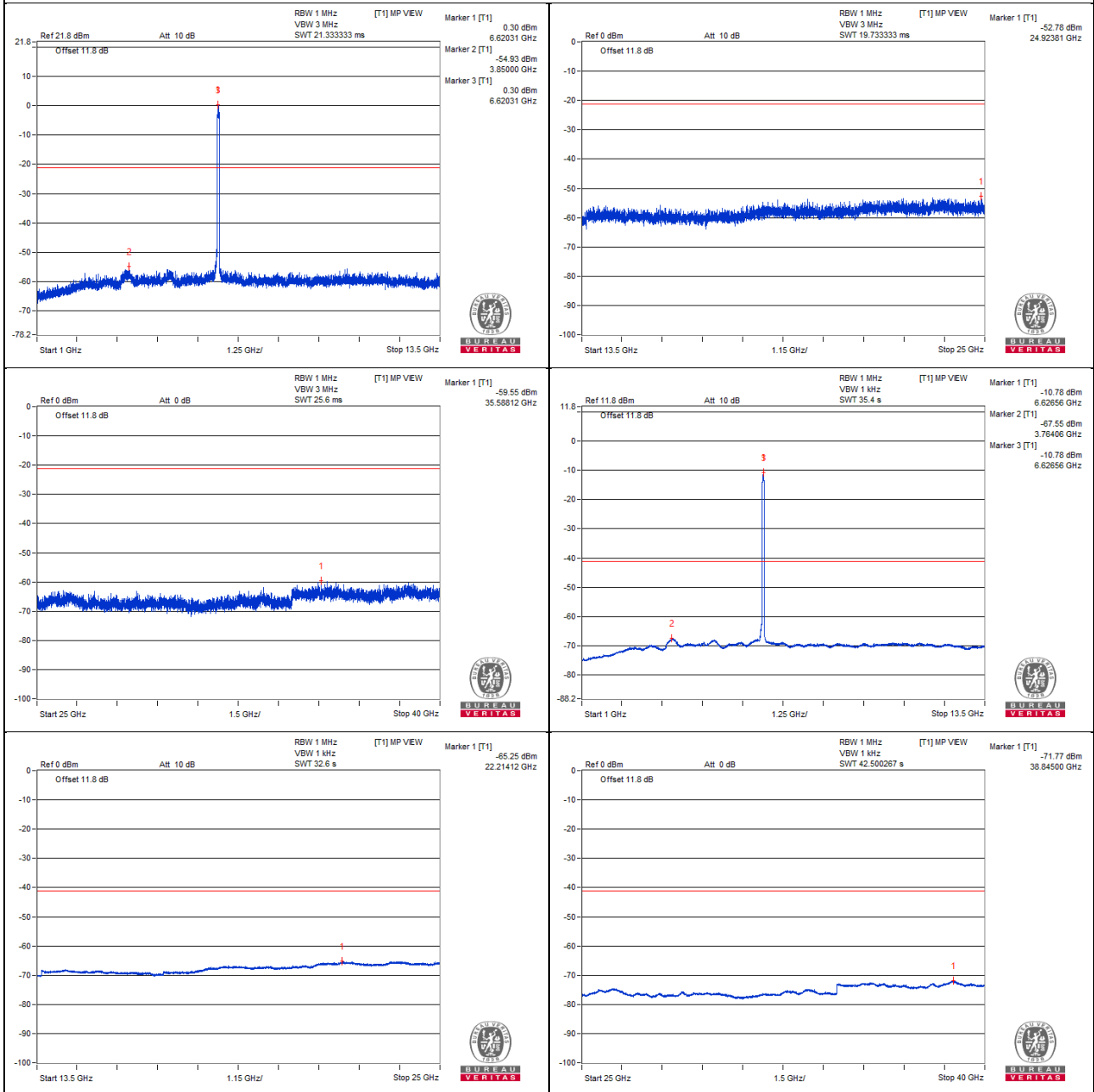
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



802.11be (EHT80) - Channel 151

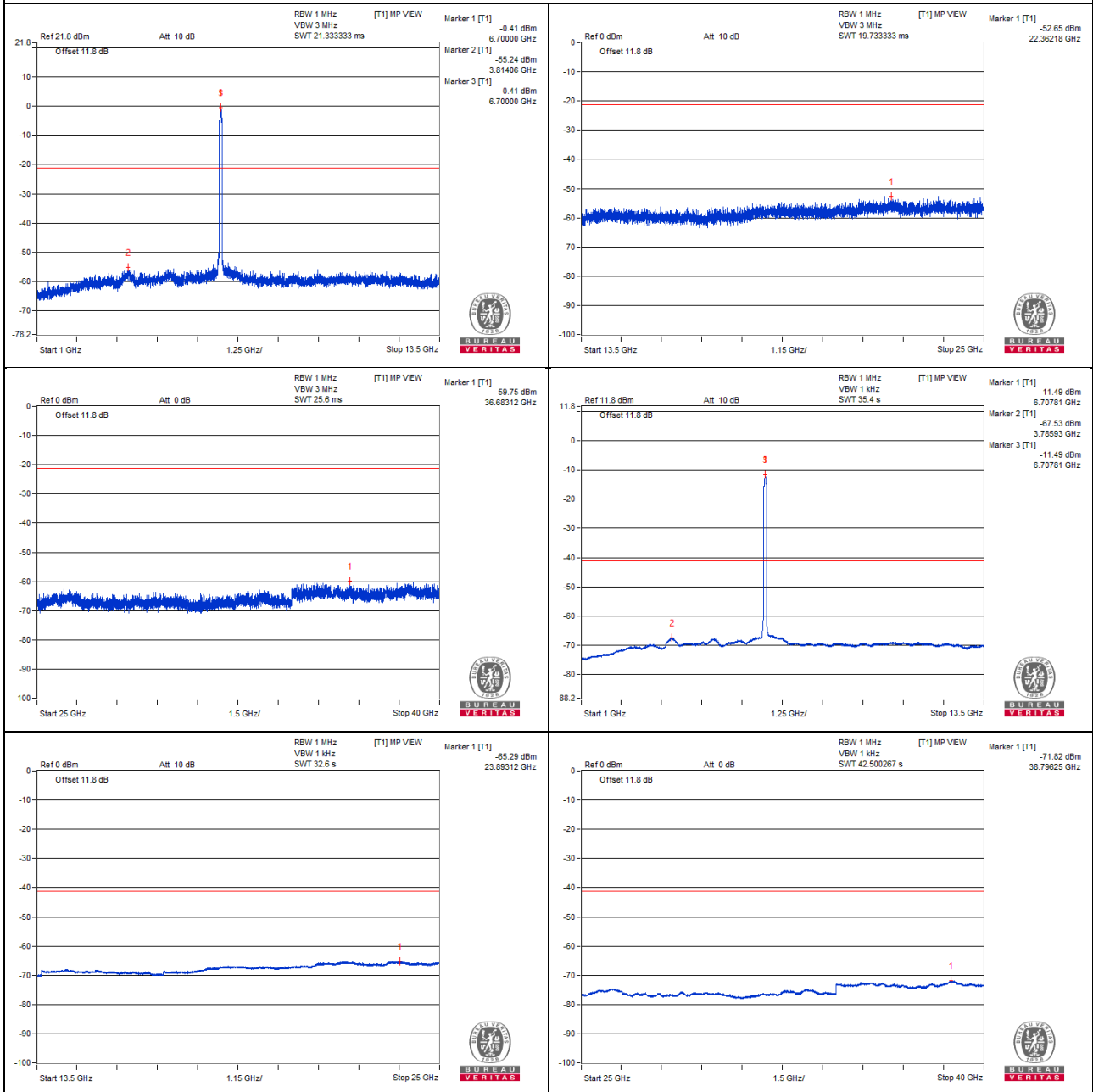
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13407.81	43.82 PK	88.2	-44.38	-57.44	-62.25	4.76	-51.44
2	#13407.81	32.61 AV	68.2	-35.59	-70.51	-70.33	4.76	-62.65
3	20108.18	45.91 PK	74	-28.09	-56.6	-57.72	4.76	-49.35
4	20115.37	35.82 AV	54	-18.18	-67.14	-67.29	4.76	-59.44

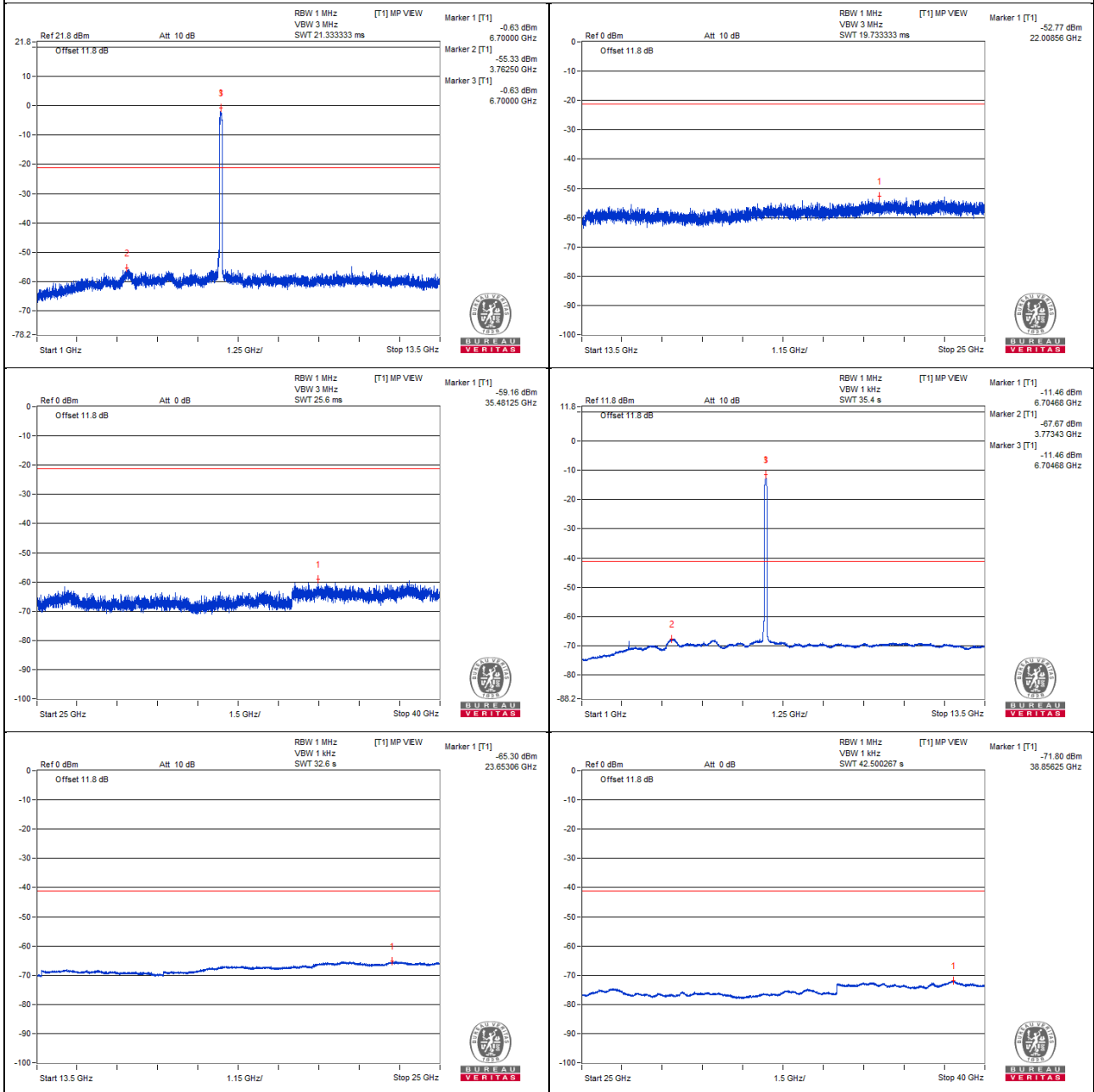
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT80) - Channel 167

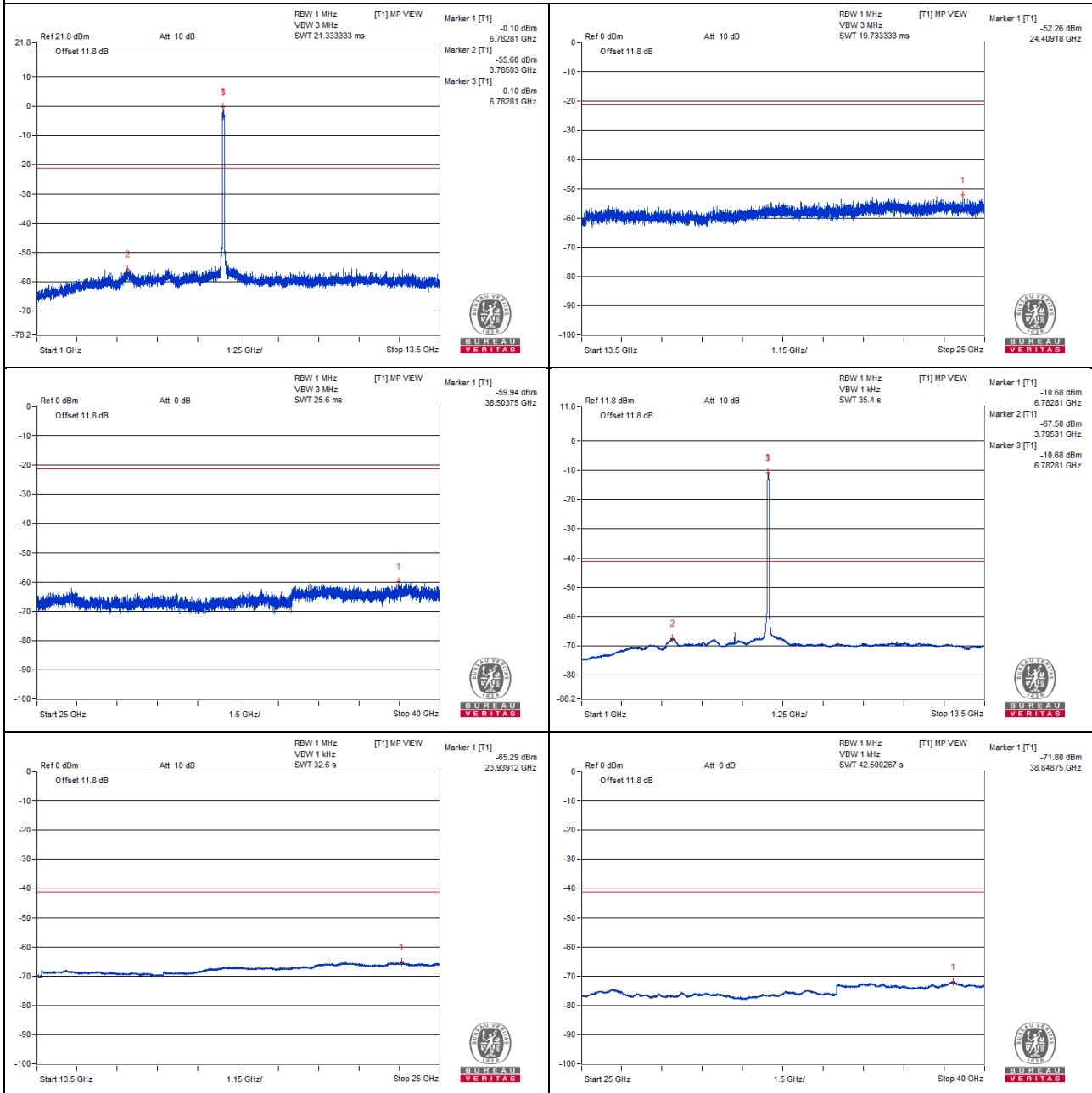
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13567.56	43.7 PK	88.2	-44.5	-60.09	-58.69	4.76	-51.56
2	#13566.12	32.99 AV	68.2	-35.21	-70.03	-70.05	4.76	-62.27
3	20352.56	45.54 PK	74	-28.46	-56.46	-58.85	4.76	-49.72
4	20355.43	35.44 AV	54	-18.56	-67.62	-67.57	4.76	-59.82

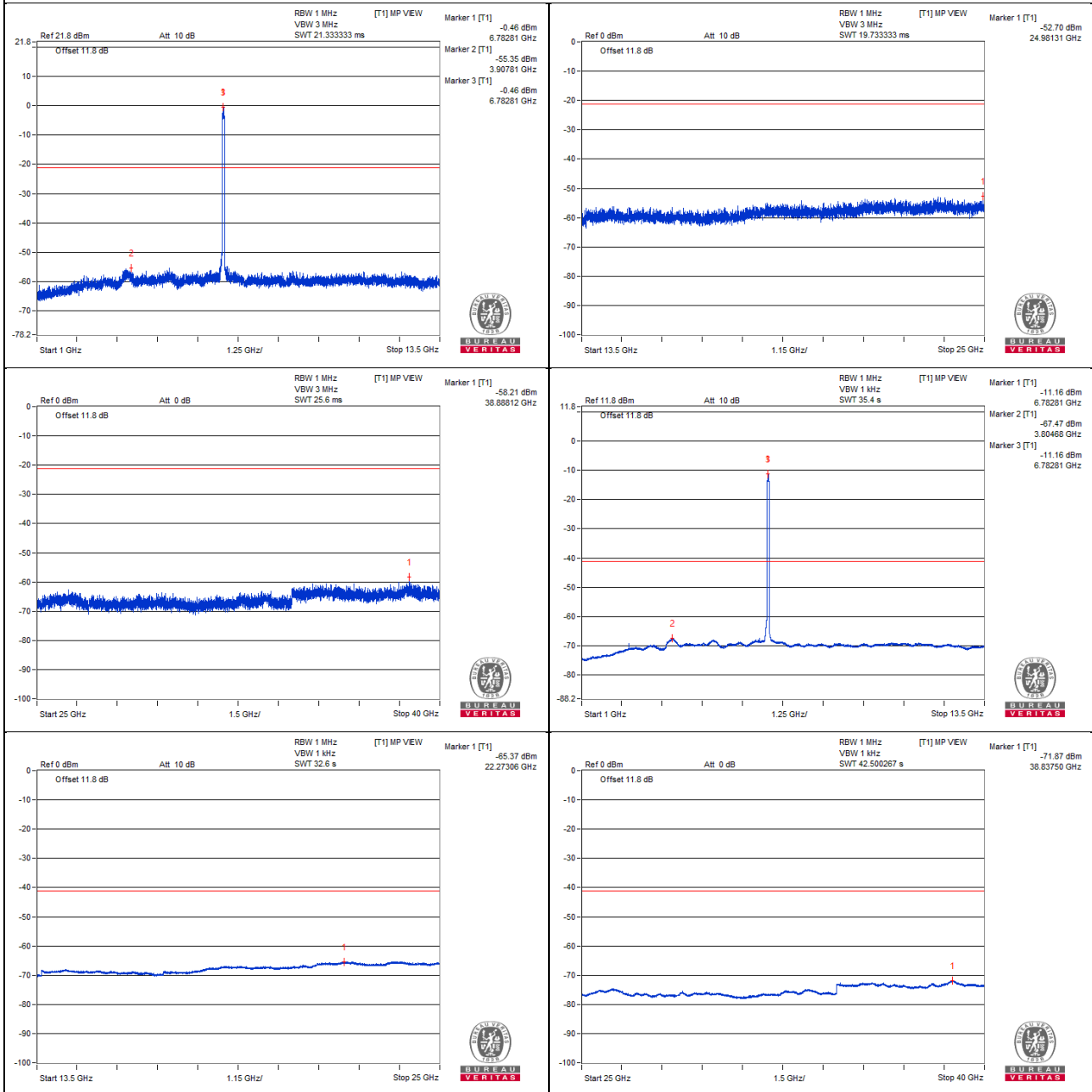
Remarks:

- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT80) - Channel 183

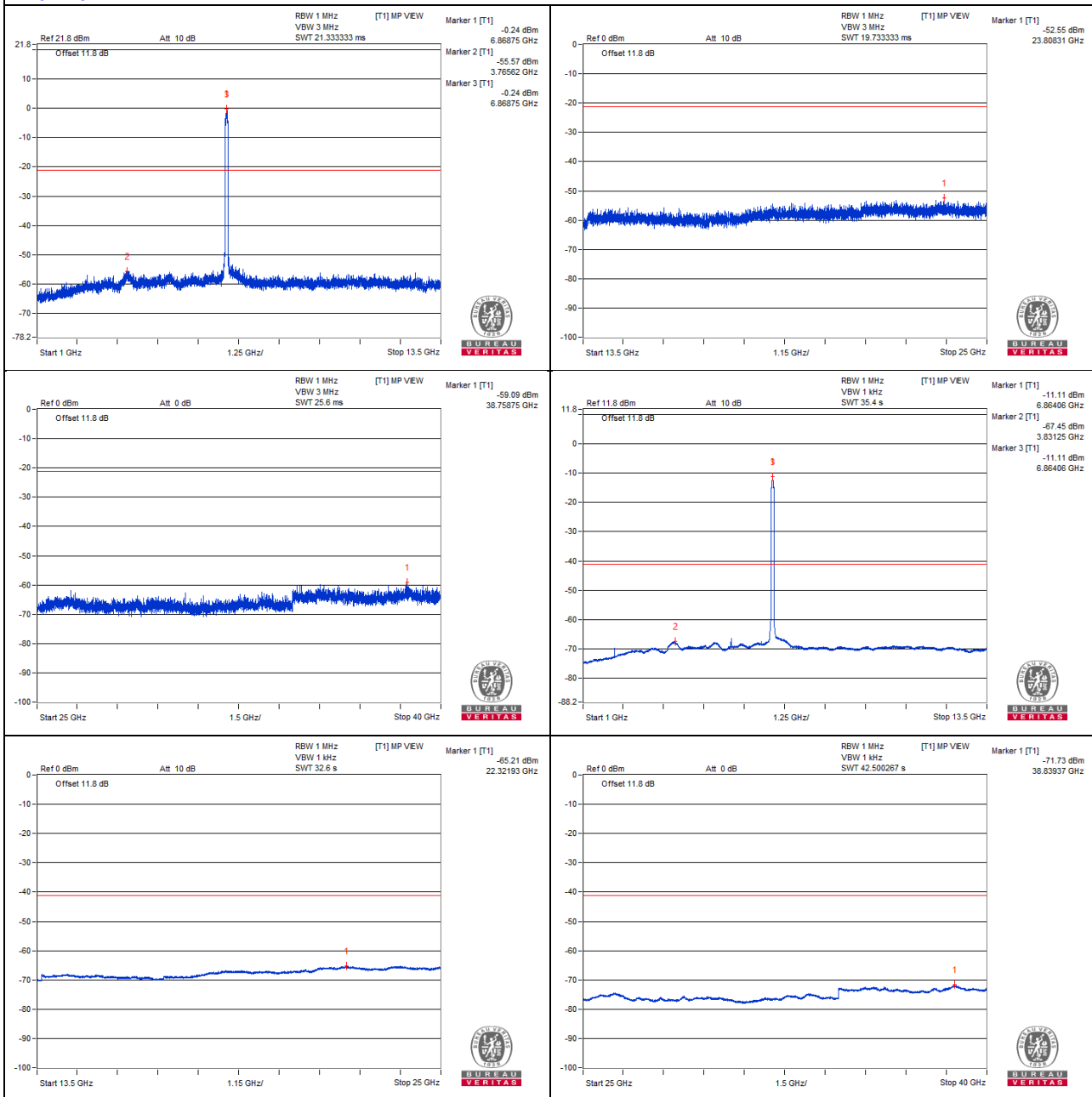
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13735.75	45.25 PK	88.2	-42.95	-57.3	-58.32	4.76	-50.01
2	#13735.75	34.22 AV	68.2	-33.98	-68.83	-68.8	4.76	-61.04
3	20601.25	46.44 PK	74	-27.56	-56.56	-56.63	4.76	-48.82
4	20589.75	35.61 AV	54	-18.39	-67.34	-67.51	4.76	-59.65

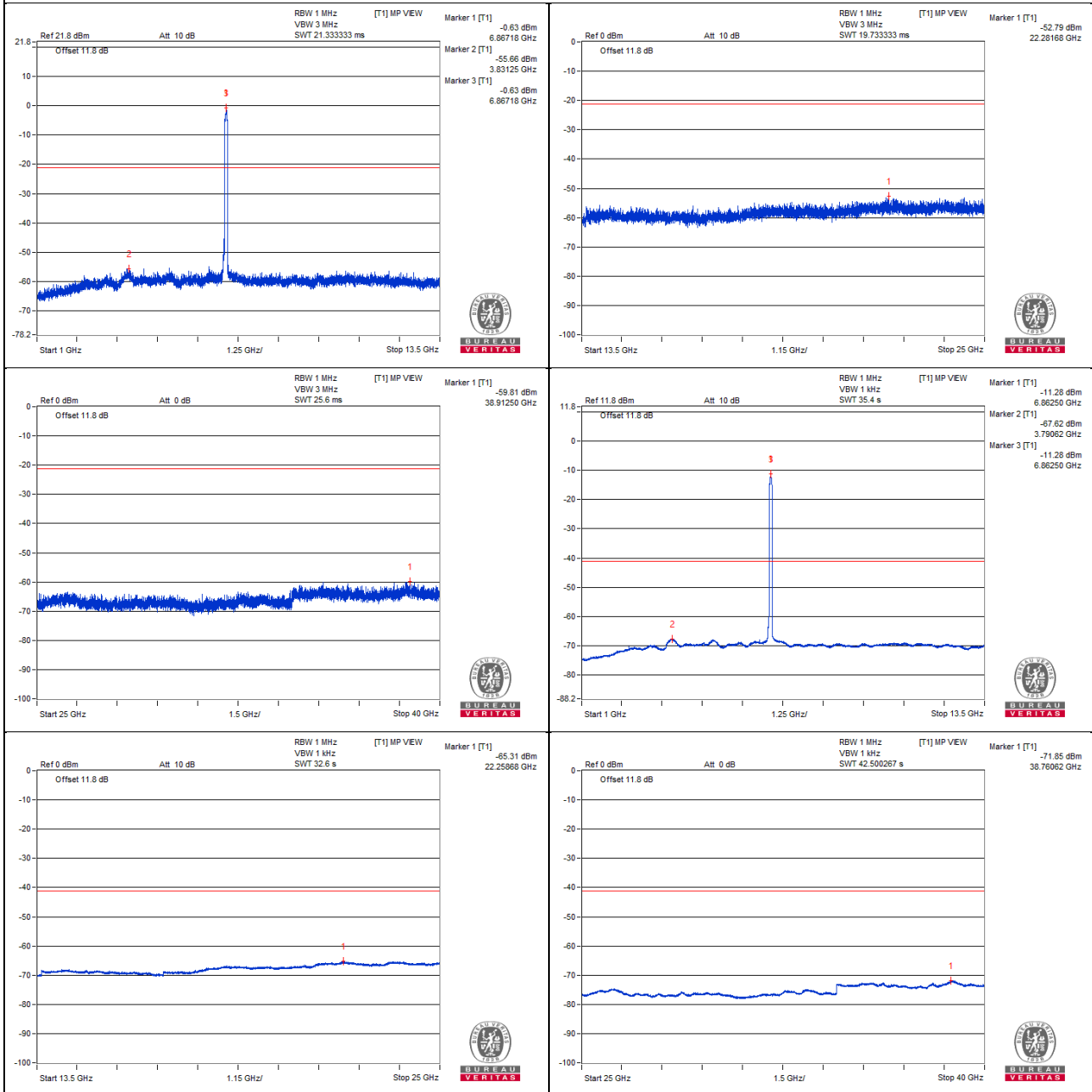
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT80) - Channel 199

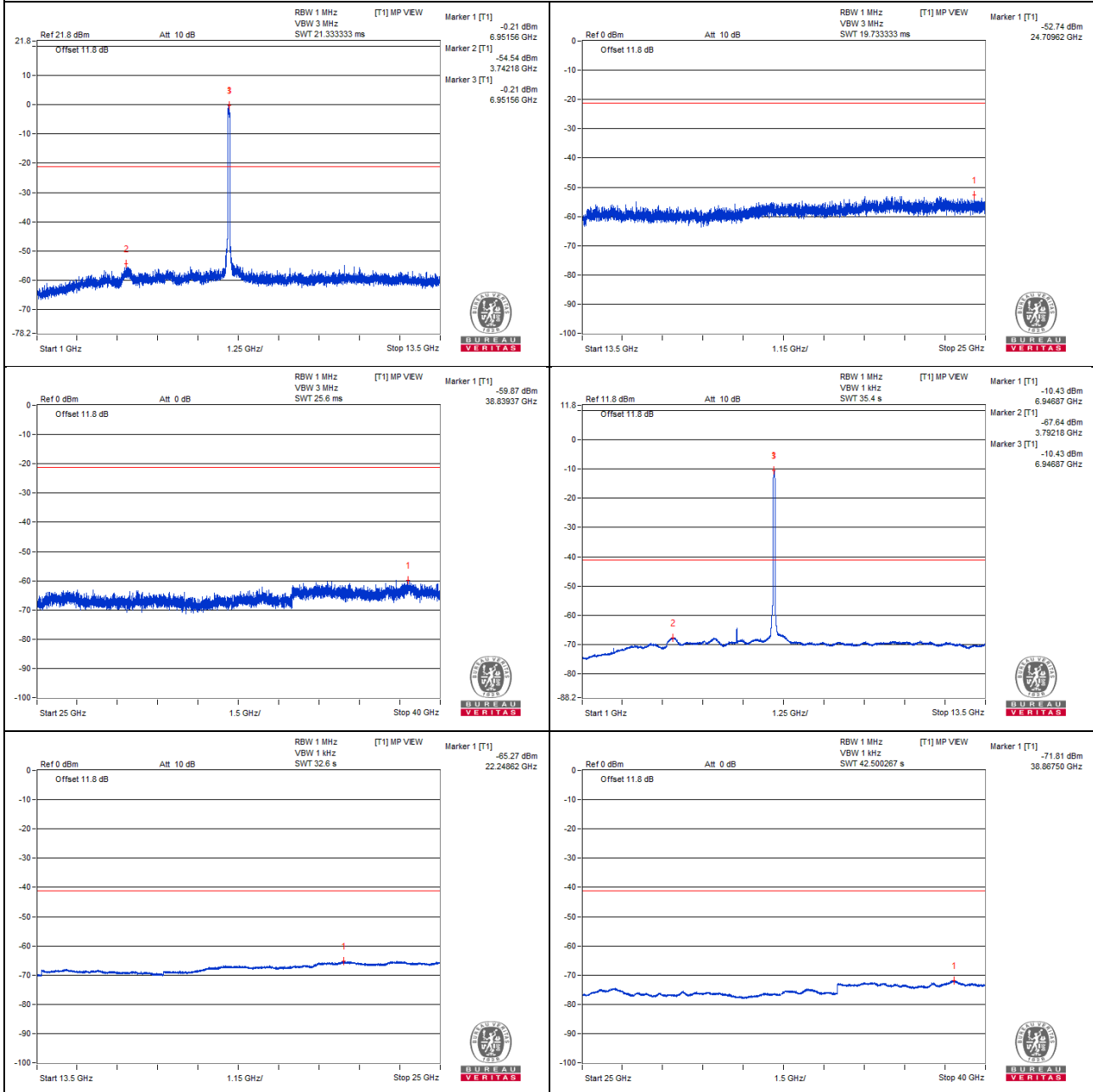
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13880.93	44.91 PK	88.2	-43.29	-56.86	-59.91	4.76	-50.35
2	#13899.62	34.29 AV	68.2	-33.91	-68.69	-68.8	4.76	-60.97
3	20837	46.5 PK	74	-27.5	-56.95	-56.15	4.76	-48.76
4	20841.31	36.02 AV	54	-17.98	-66.99	-67.03	4.76	-59.24

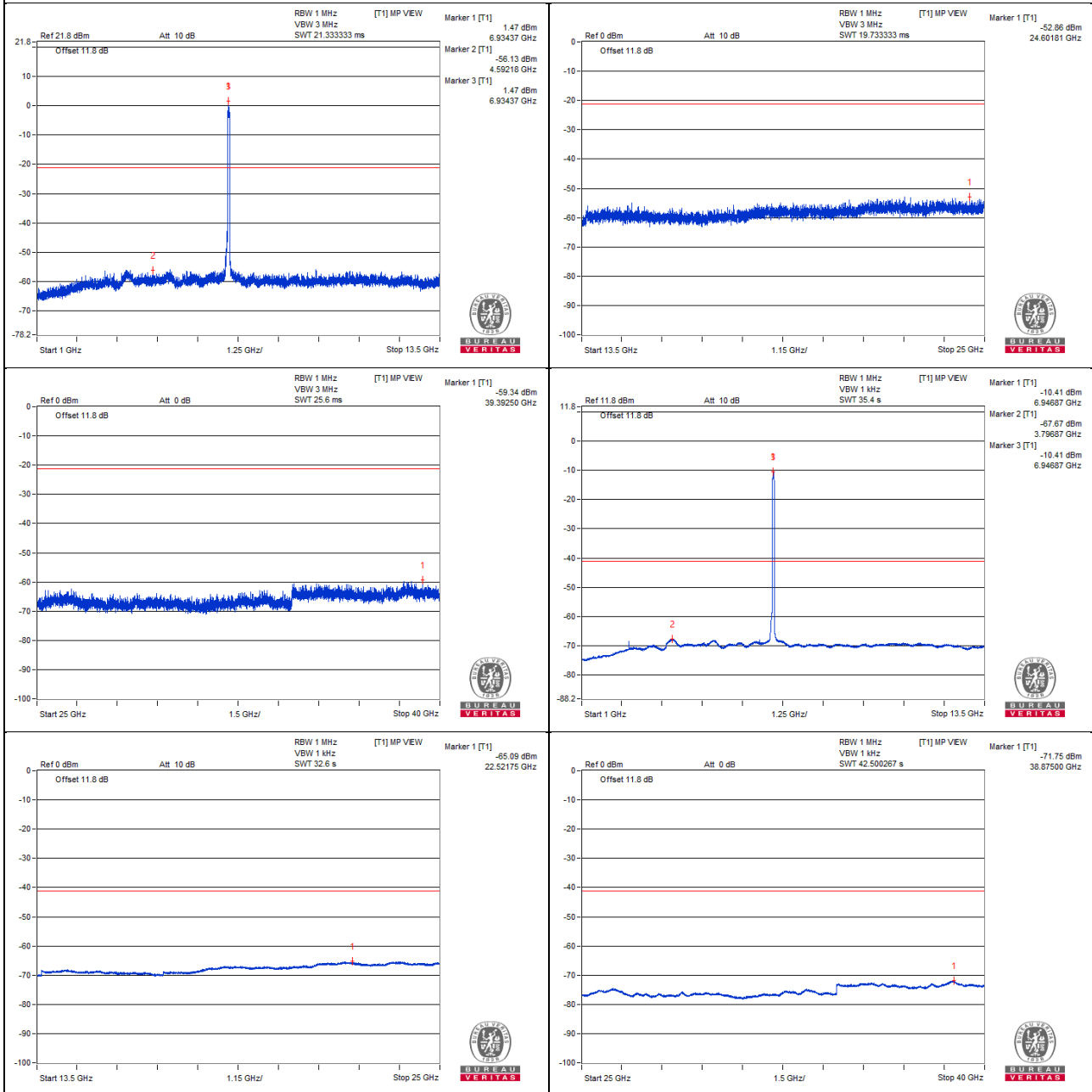
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT80) - Channel 215

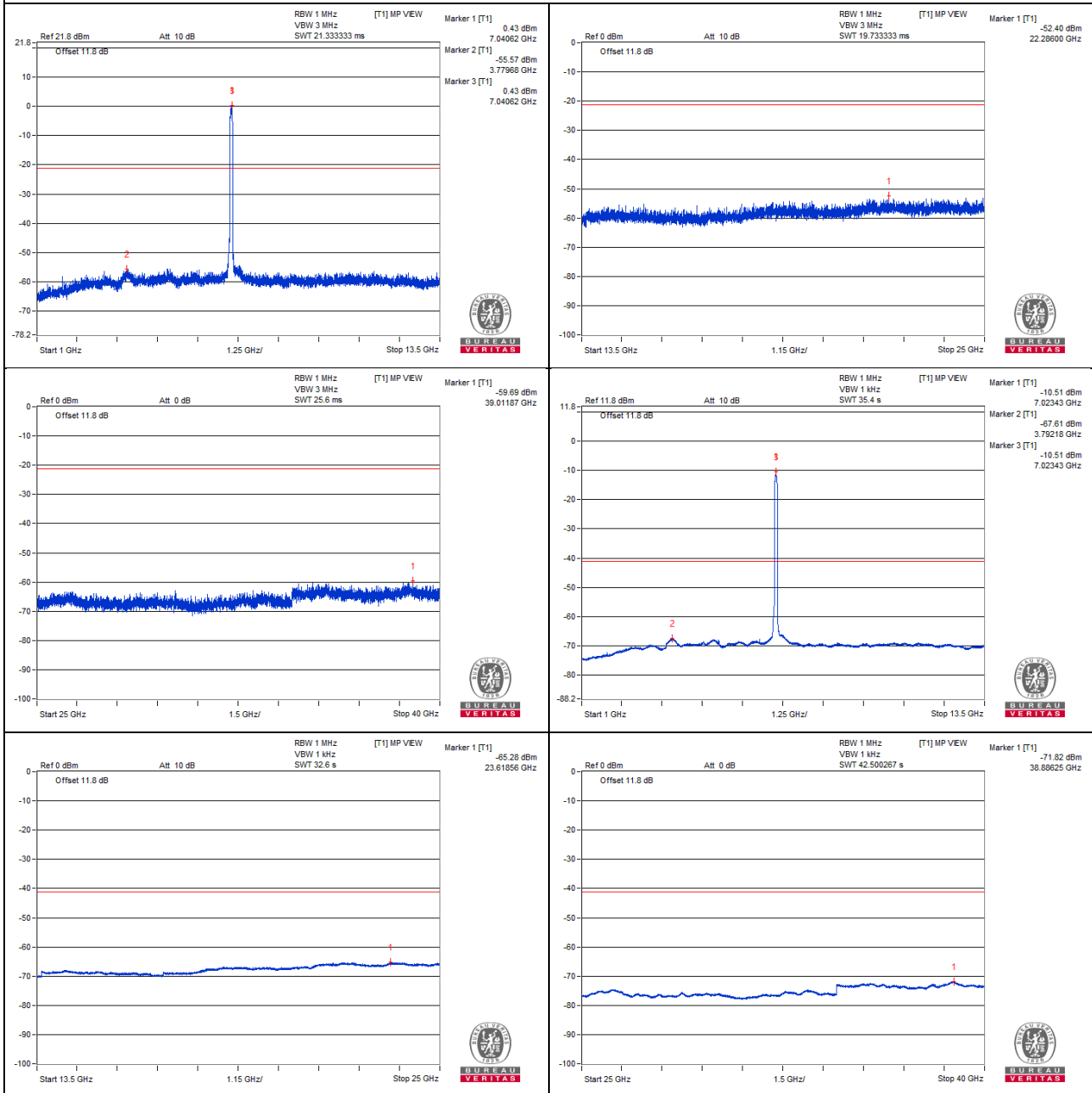
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#14044.81	44.46 PK	88.2	-43.74	-58.91	-58.25	4.76	-50.80
2	#14056.31	34.32 AV	68.2	-33.88	-68.65	-68.77	4.76	-60.94
3	21075.62	46.59 PK	74	-27.41	-56.77	-56.13	4.76	-48.67
4	21072.75	36.04 AV	54	-17.96	-67	-66.98	4.76	-59.22

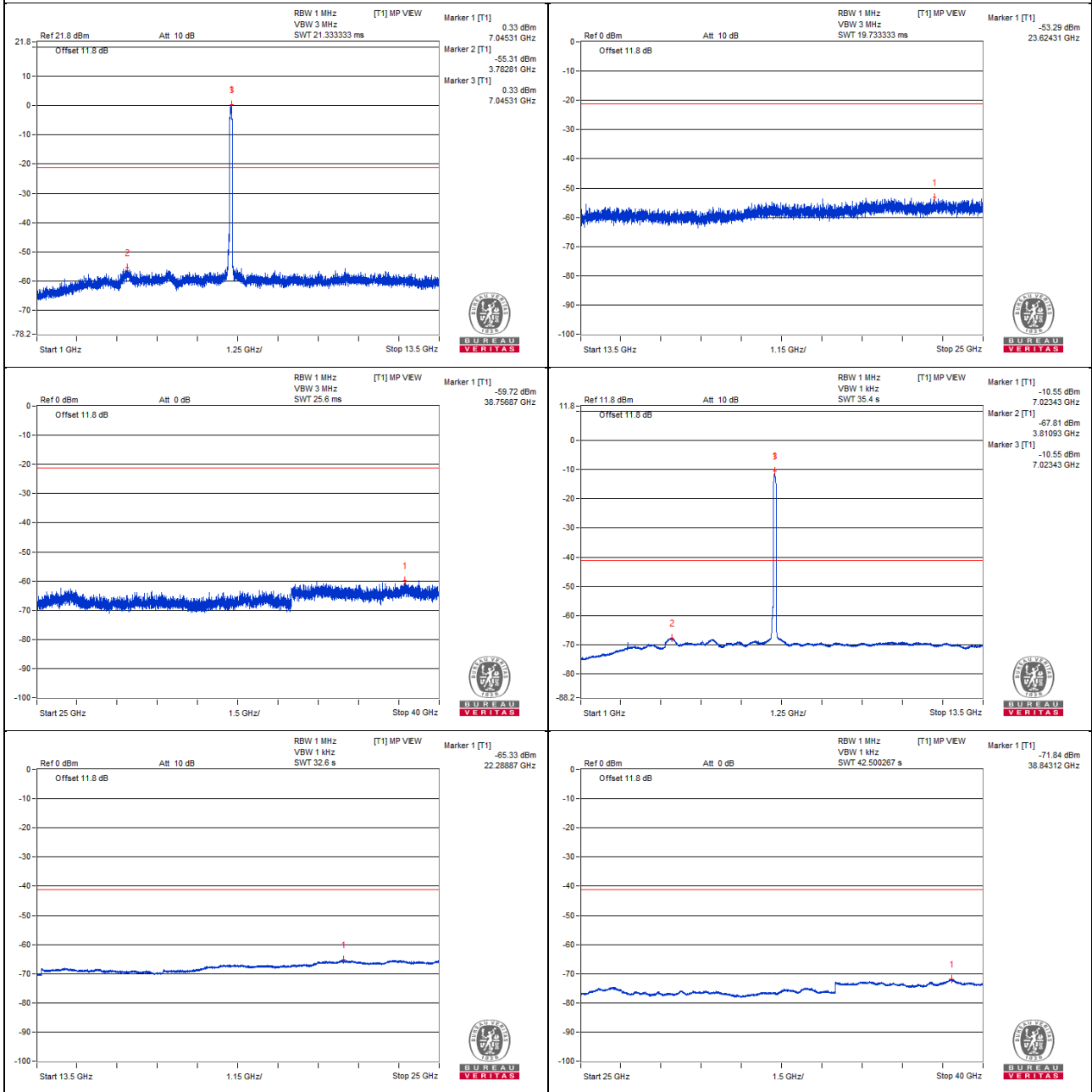
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



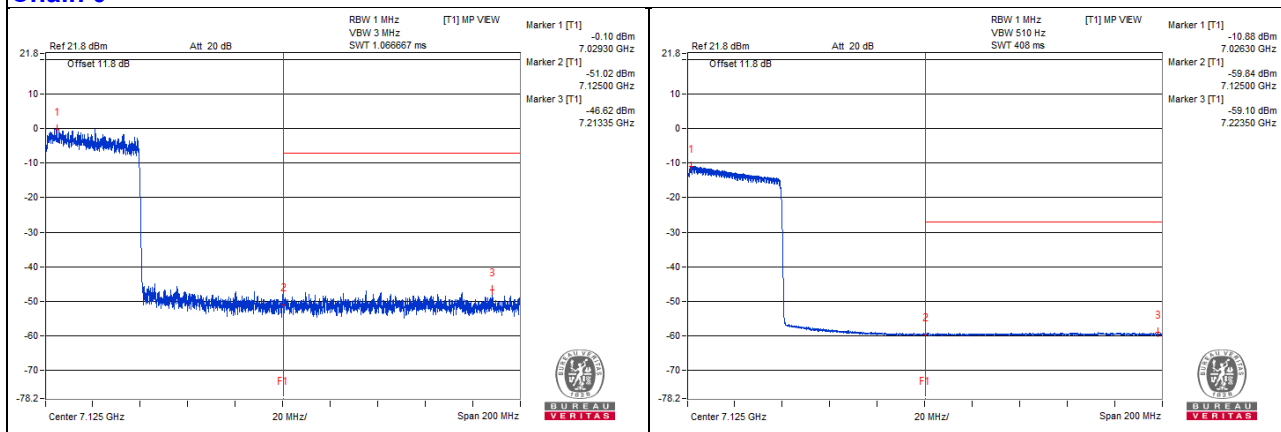
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#7213.35	54.36 PK	88.2	-33.84	-46.62	-50.02	4.09	-40.90
2	#7223.5	42.97 AV	68.2	-25.23	-59.1	-59.71	4.09	-52.29

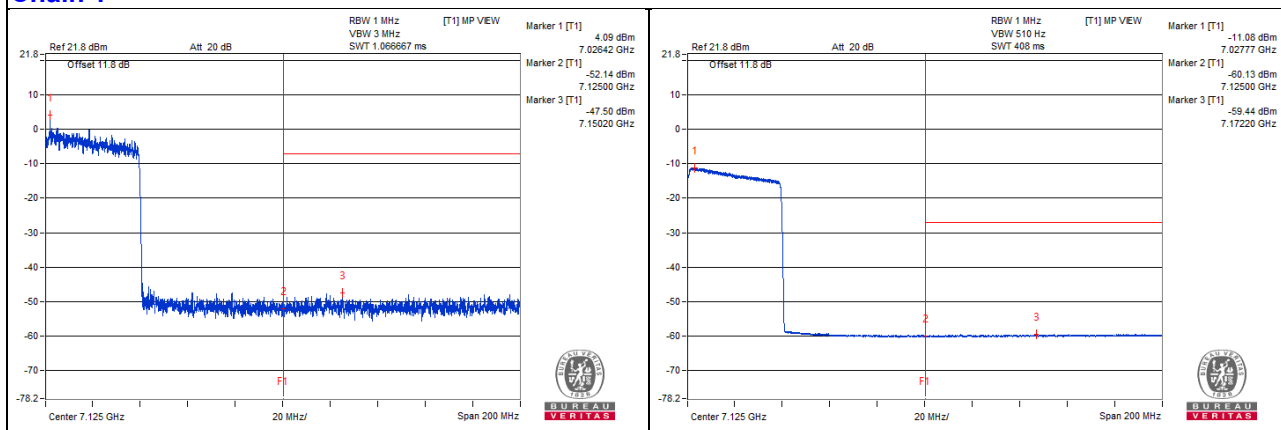
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT160) - Channel 15

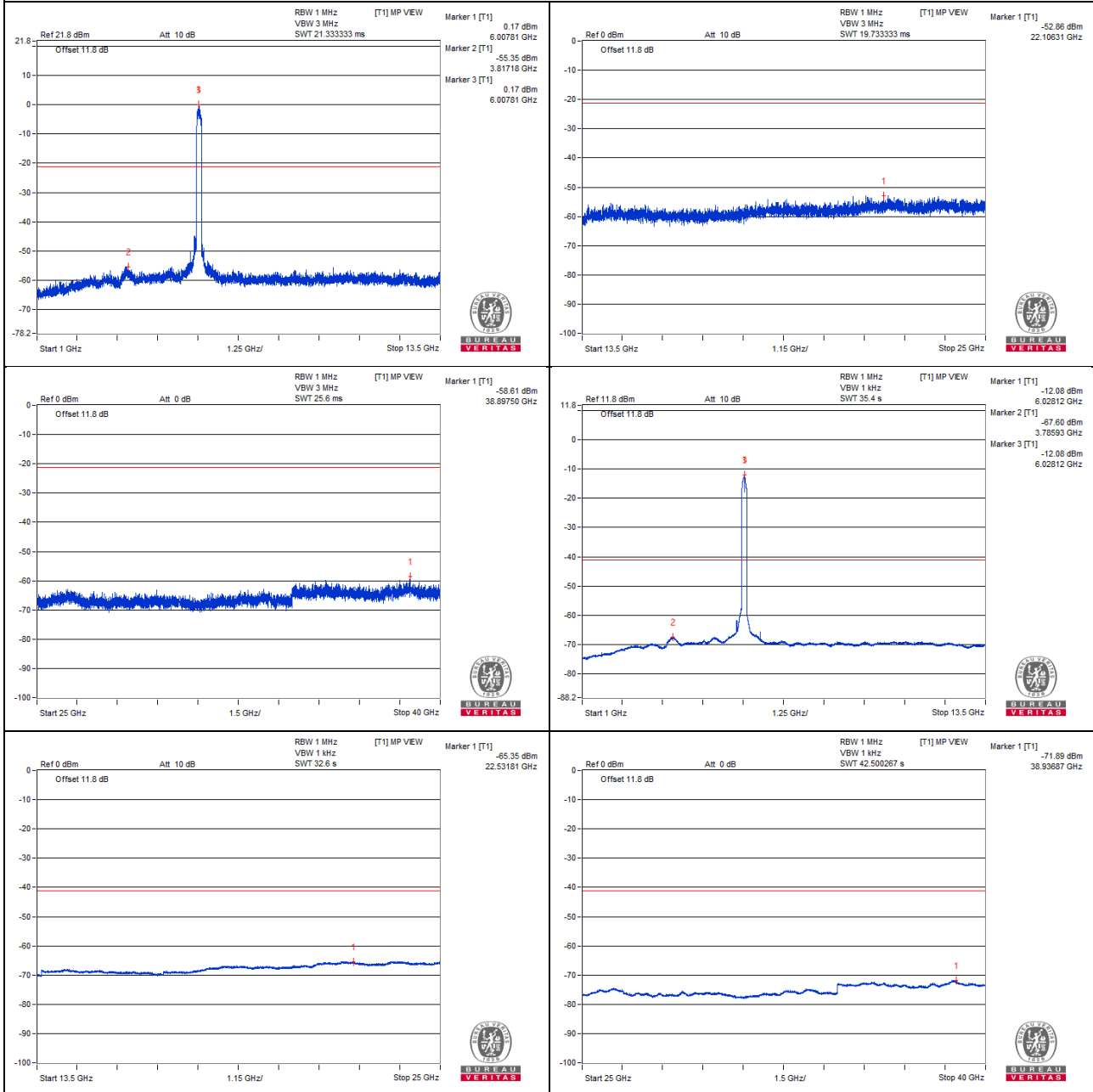
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	12045.31	44.23 PK	74	-29.77	-60.96	-57.37	4.76	-51.03
2	12054.68	32.84 AV	54	-21.16	-70	-70.38	4.76	-62.42
3	18066.93	44.6 PK	74	-29.4	-59.53	-57.55	4.76	-50.66
4	18072.68	34.44 AV	54	-19.56	-68.25	-68.95	4.76	-60.82

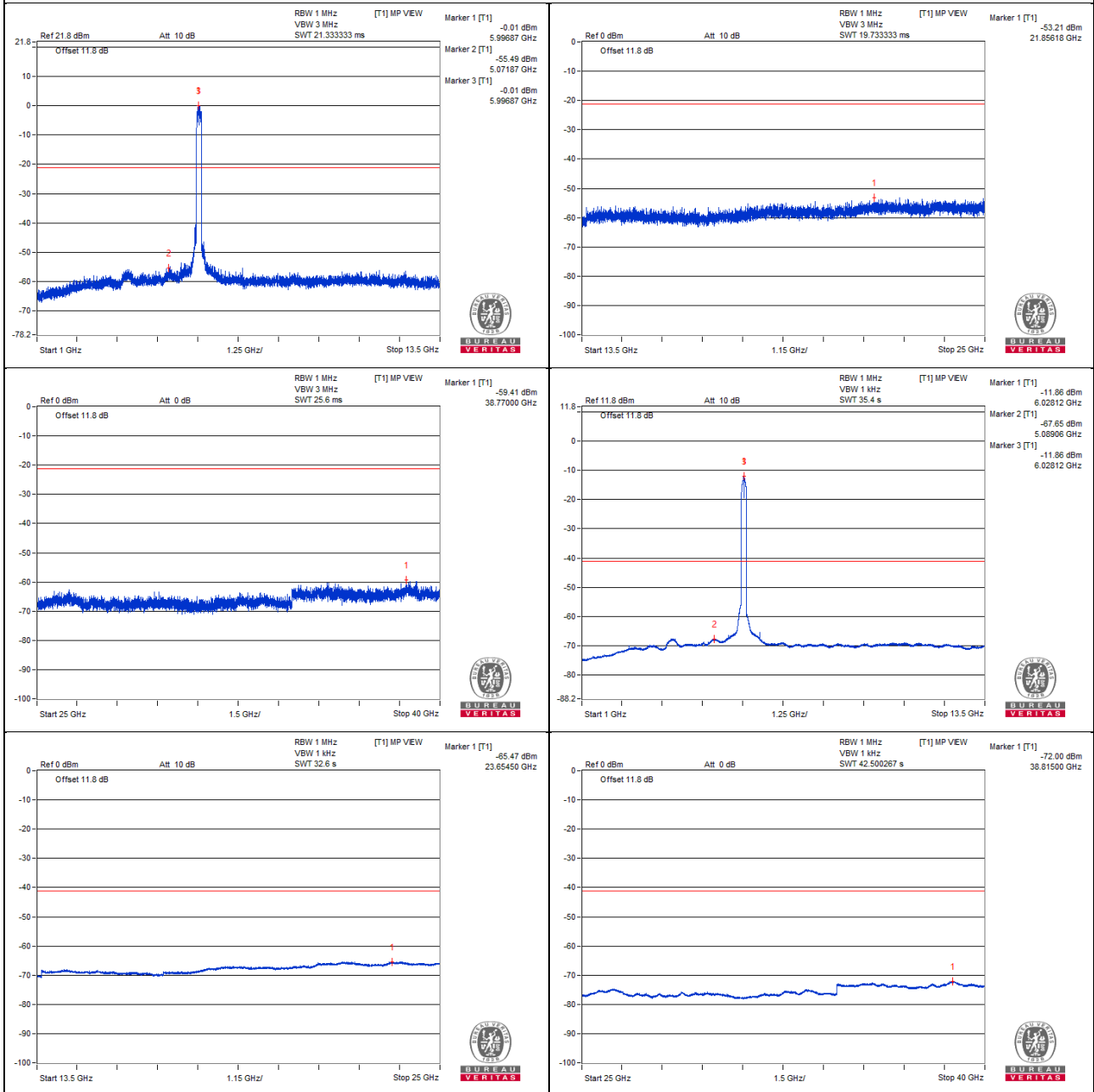
Remarks:

- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.

Chain 0



Chain 1



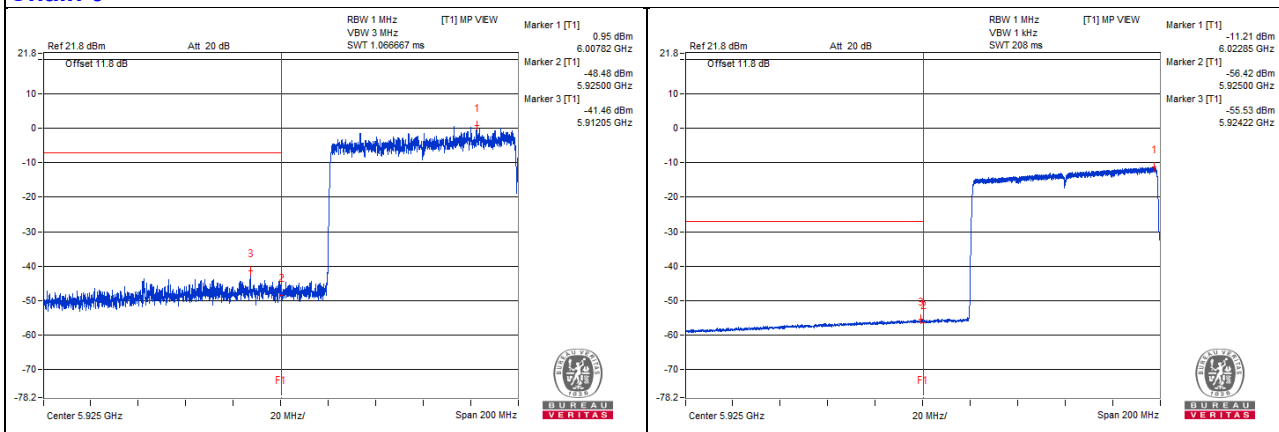
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#5914.17	60.87 PK	88.2	-27.33	-47.38	-39.86	4.76	-34.39
2	#5924.22	48.11 AV	68.2	-20.09	-55.53	-54.39	4.76	-47.15

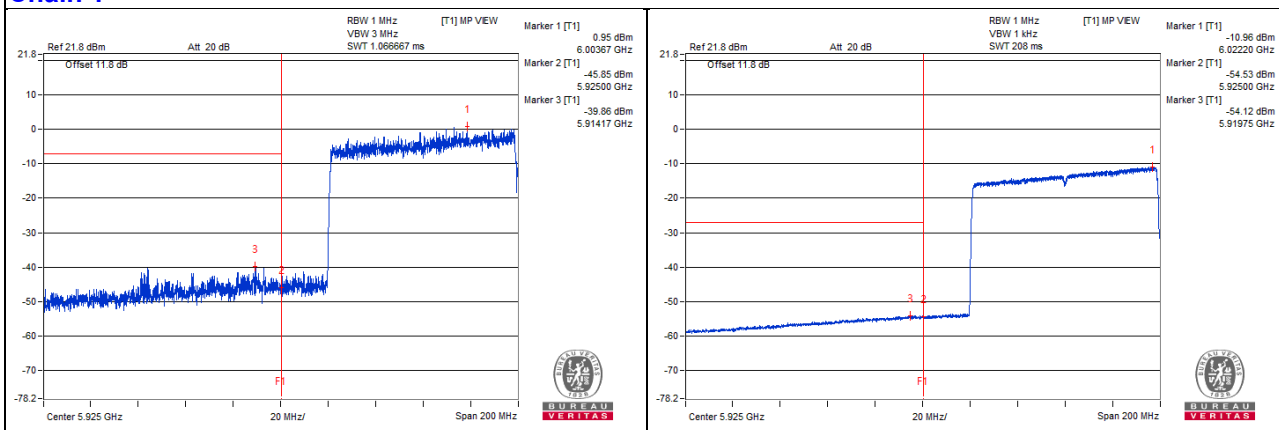
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT160) - Channel 47

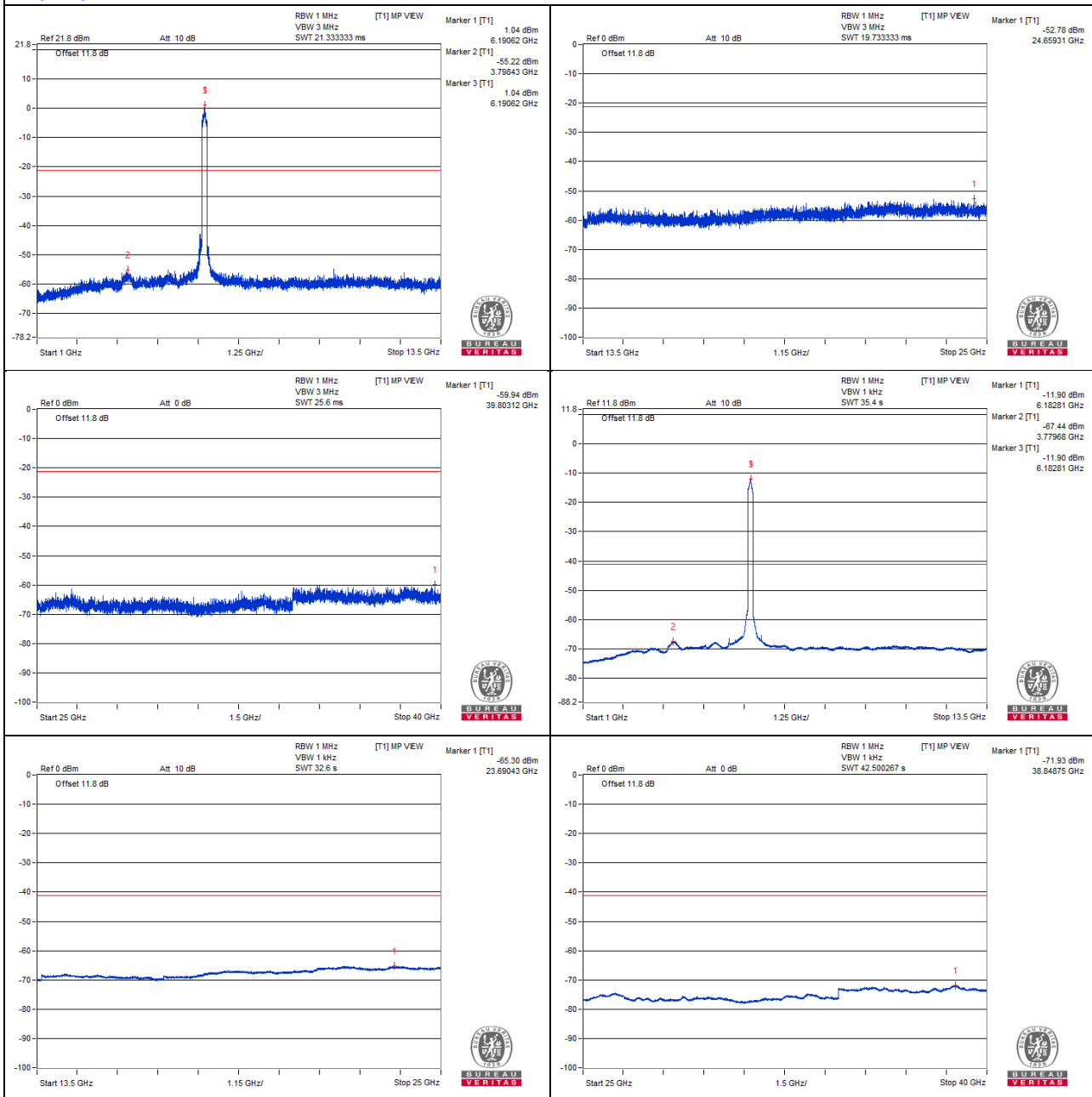
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	12379.68	45.37 PK	74	-28.63	-57.12	-58.27	4.76	-49.89
2	12375	33.34 AV	54	-20.66	-69.76	-69.63	4.76	-61.92
3	18549.93	46.55 PK	74	-27.45	-56.09	-56.91	4.76	-48.71
4	18551.37	35.25 AV	54	-18.75	-67.87	-67.7	4.76	-60.01

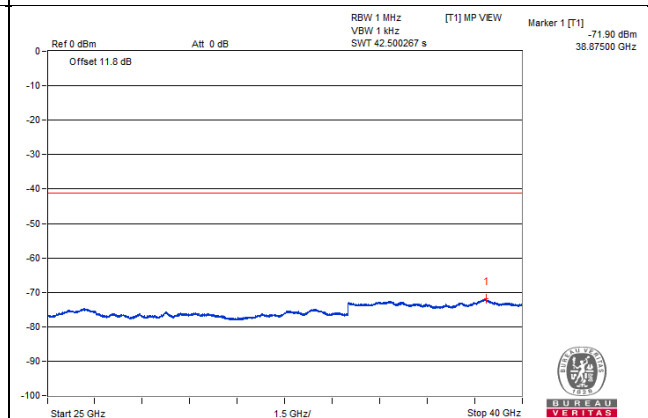
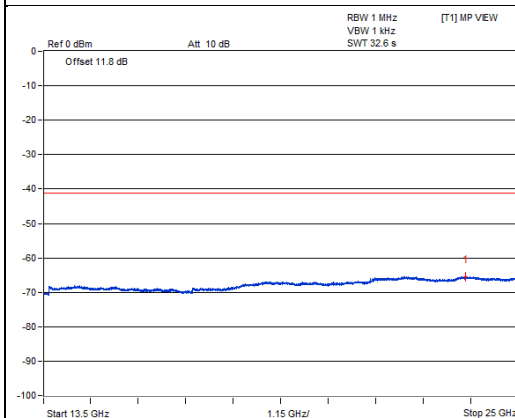
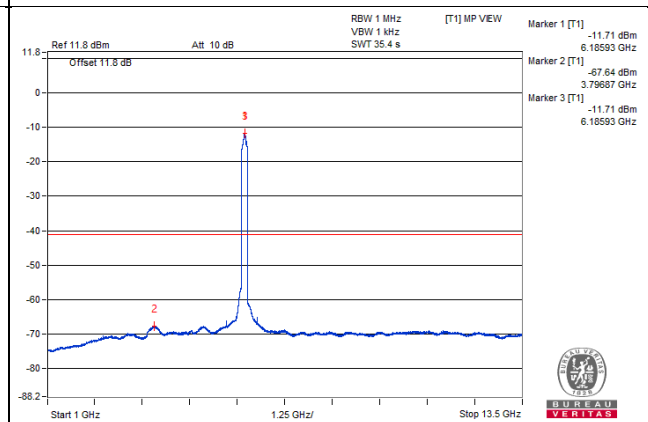
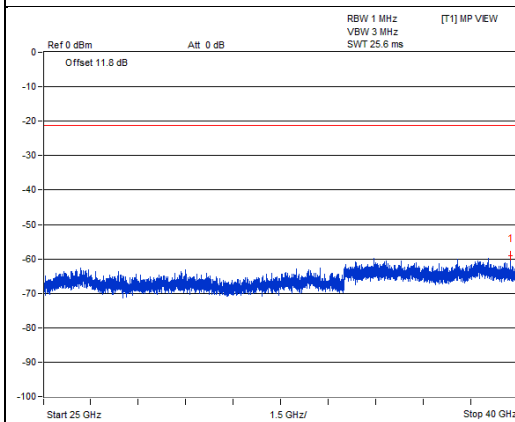
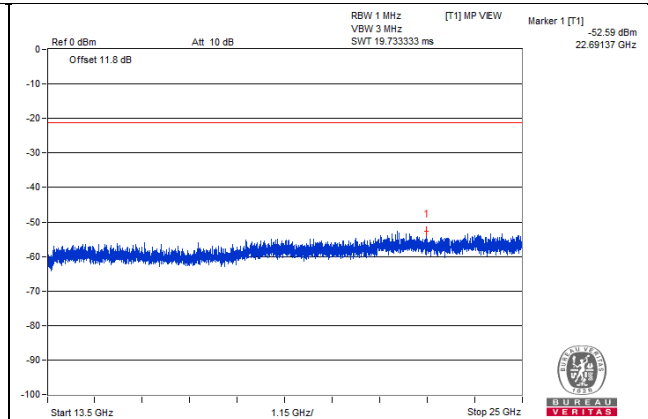
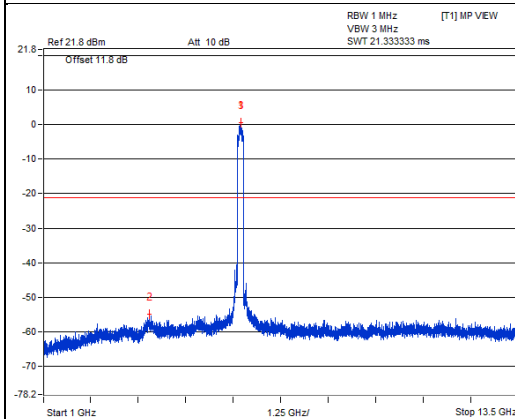
Remarks:

- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.

Chain 0



Chain 1



802.11be (EHT160) - Channel 79

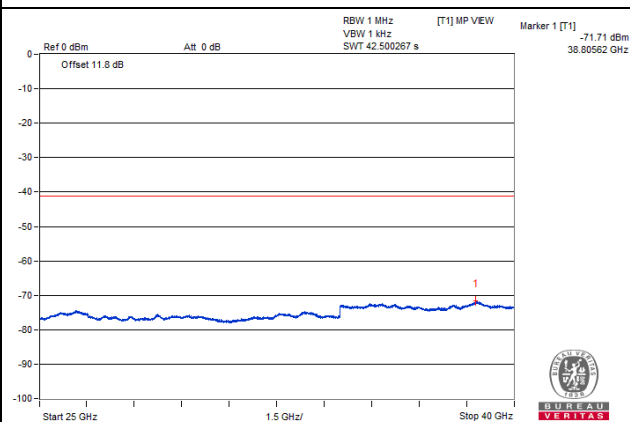
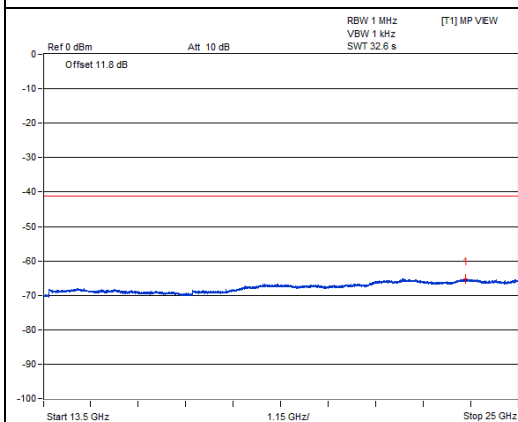
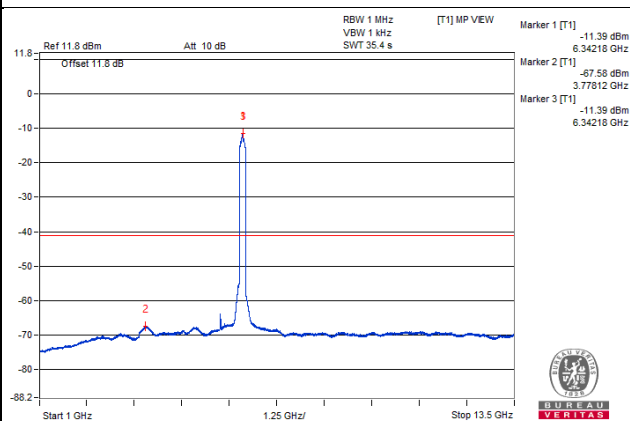
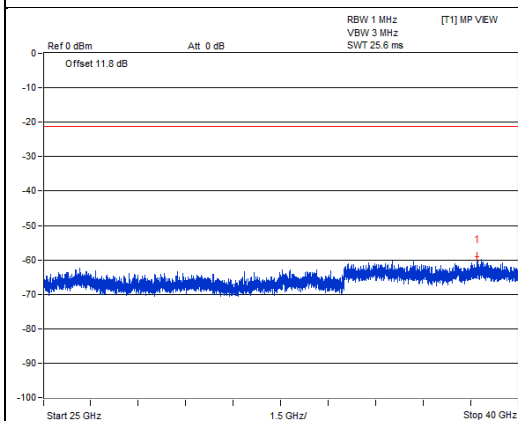
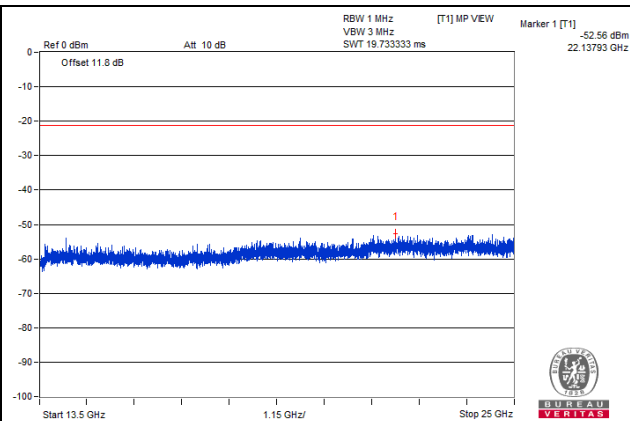
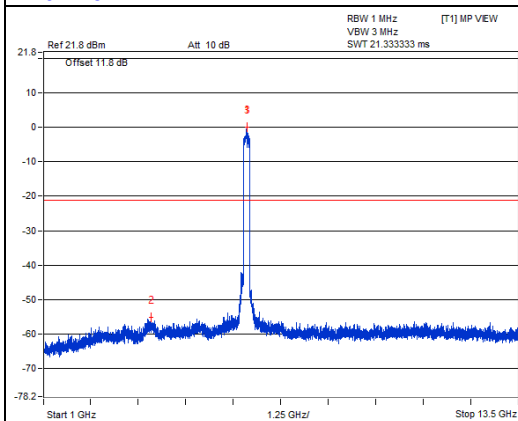
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	12696.87	44.35 PK	74	-29.65	-59.08	-58.31	4.76	-50.91
2	12687.5	33.07 AV	54	-20.93	-70.08	-69.85	4.76	-62.19
3	19038.68	46.83 PK	74	-27.17	-55.89	-56.53	4.76	-48.43
4	19030.06	35.82 AV	54	-18.18	-67.26	-67.16	4.76	-59.44

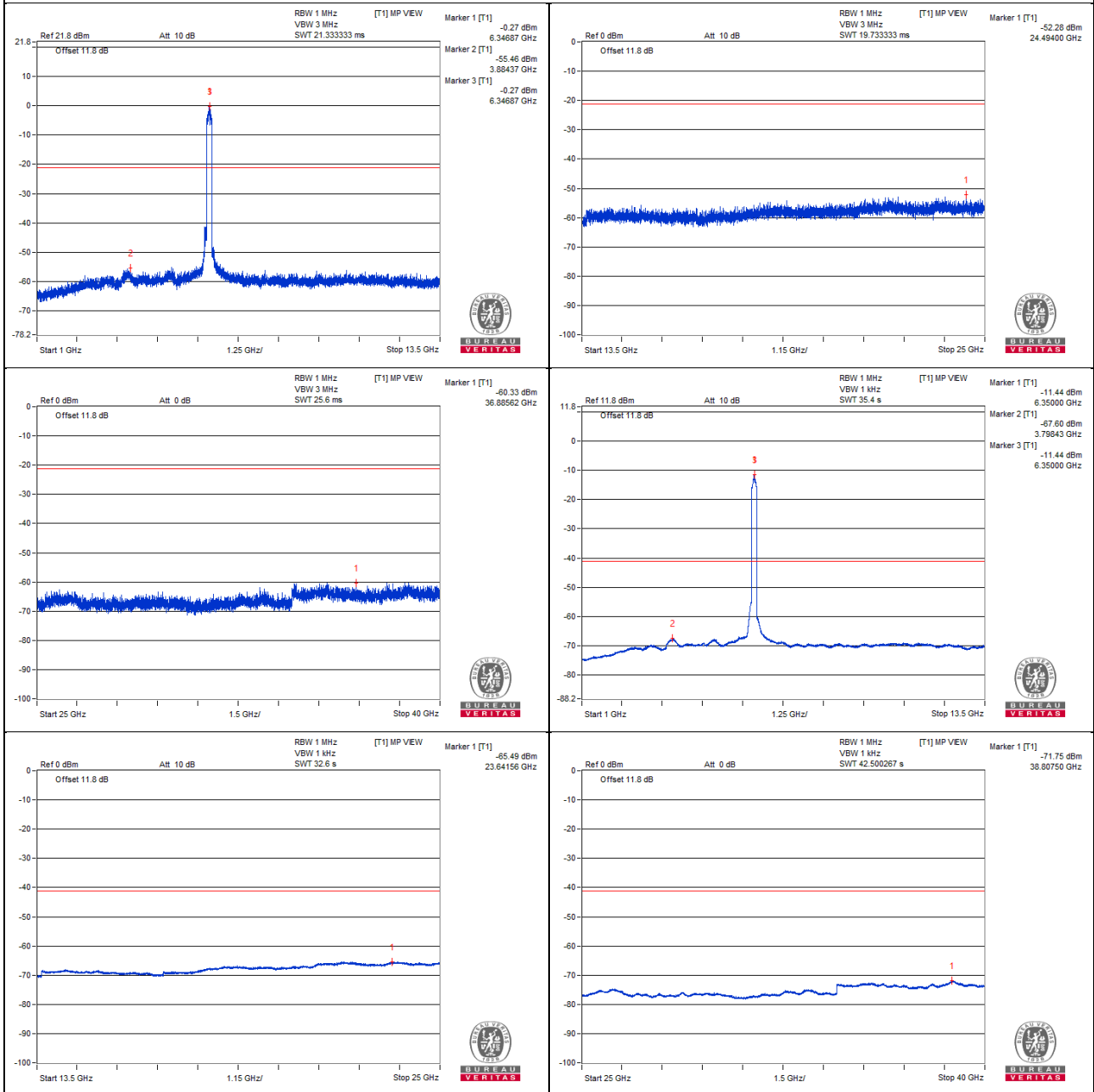
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



802.11be (EHT160) - Channel 111

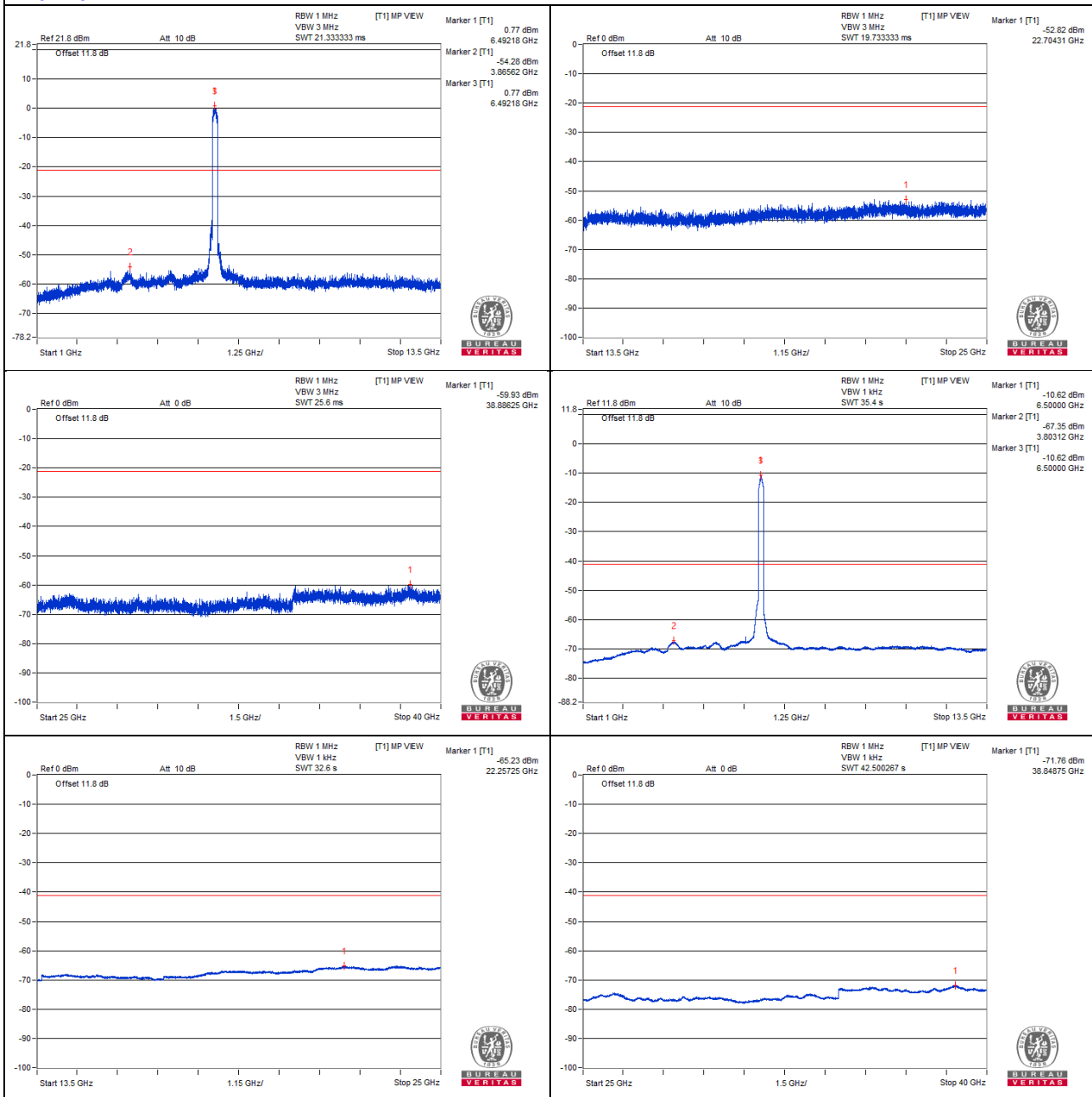
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13014.06	43.1 PK	88.2	-45.1	-58.55	-61.95	4.76	-52.16
2	#13017.18	32.02 AV	68.2	-36.18	-70.79	-71.24	4.76	-63.24
3	19513.06	46.09 PK	74	-27.91	-57.08	-56.81	4.76	-49.17
4	19510.18	35.69 AV	54	-18.31	-67.24	-67.45	4.76	-59.57

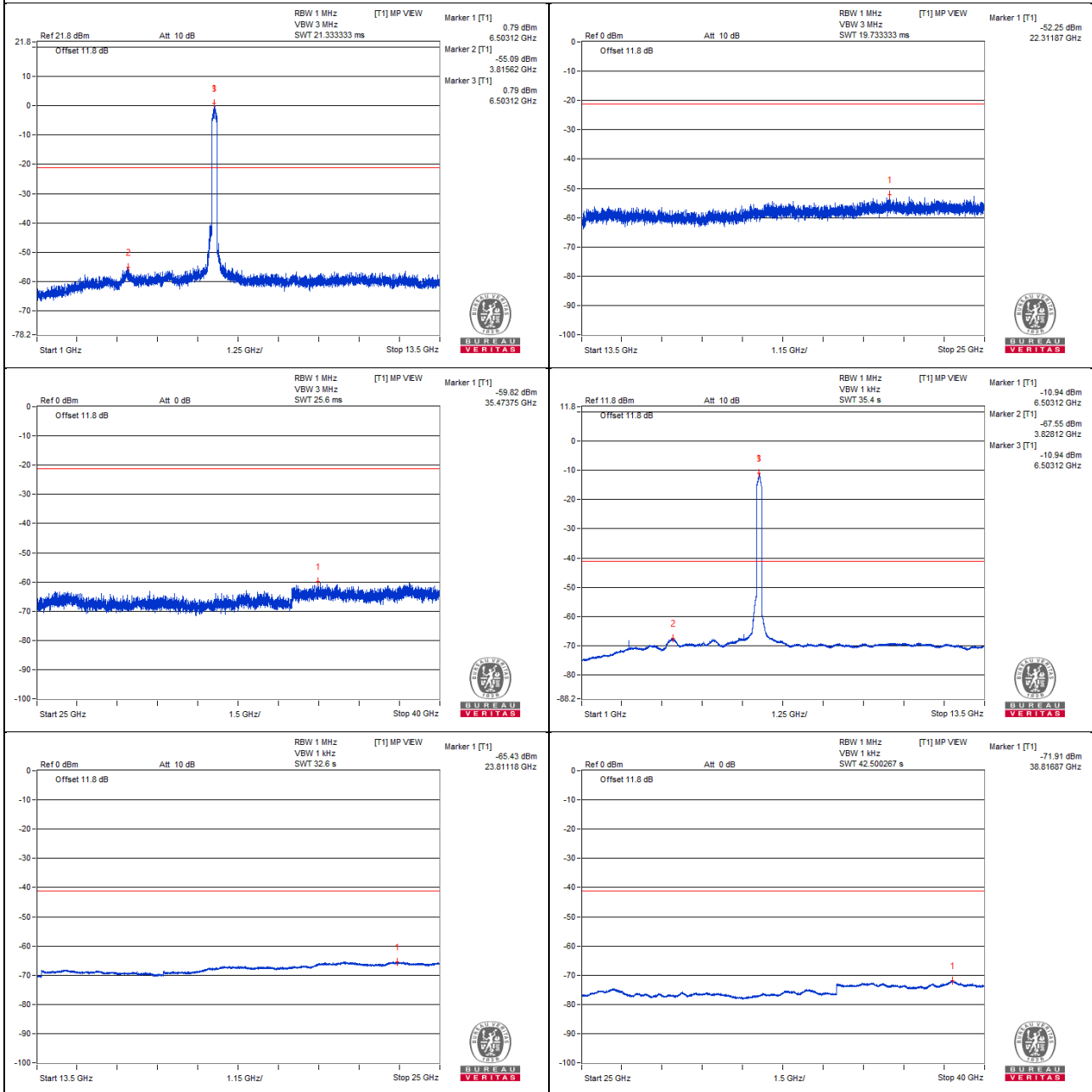
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT160) - Channel 143

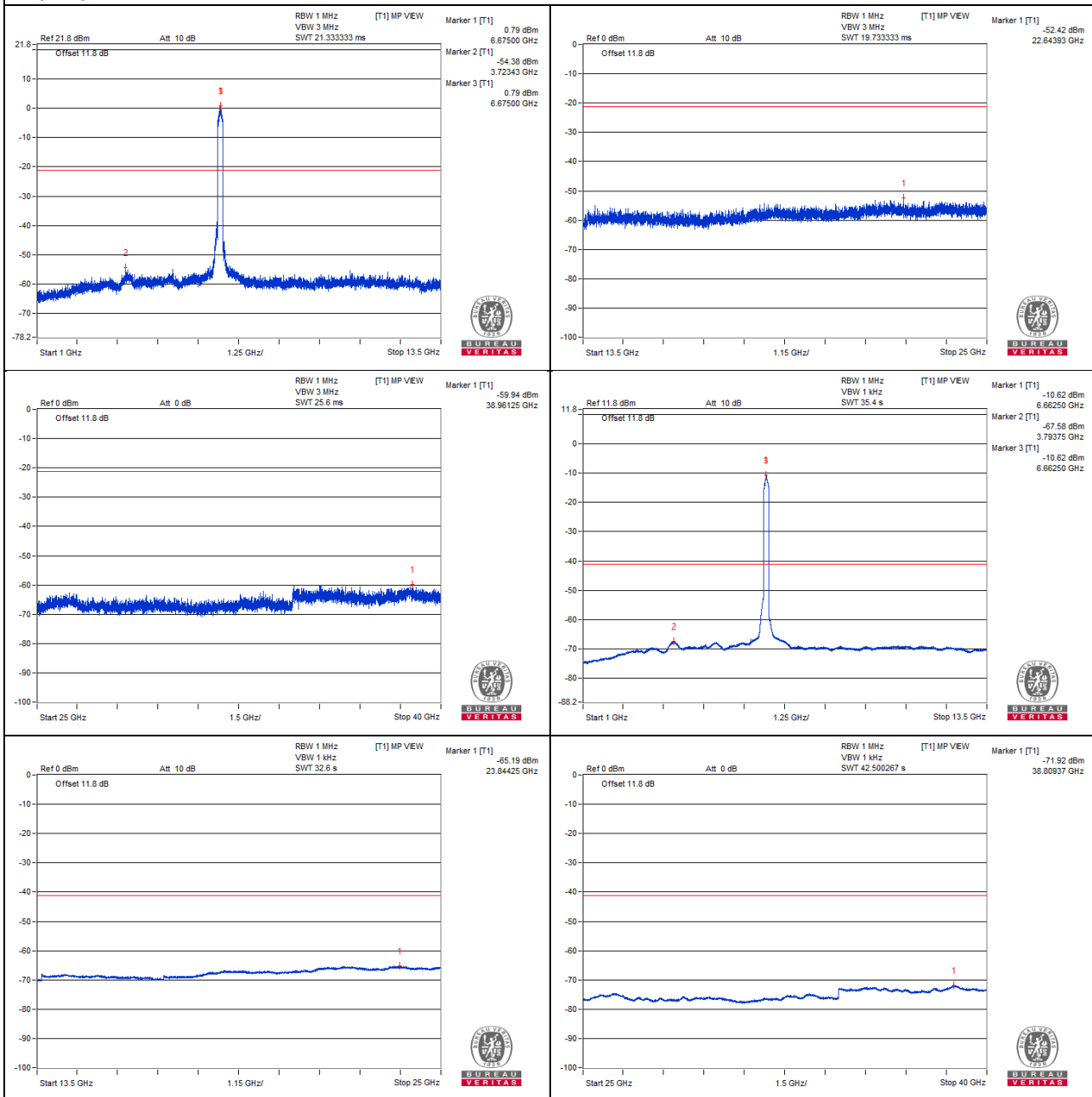
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	13331.25	43.58 PK	74	-30.42	-59.58	-59.33	4.76	-51.68
2	13334.37	32.53 AV	54	-21.47	-70.52	-70.48	4.76	-62.73
3	19993.18	46.09 PK	74	-27.91	-56.12	-57.96	4.76	-49.17
4	20000.37	35.8 AV	54	-18.2	-67.16	-67.3	4.76	-59.46

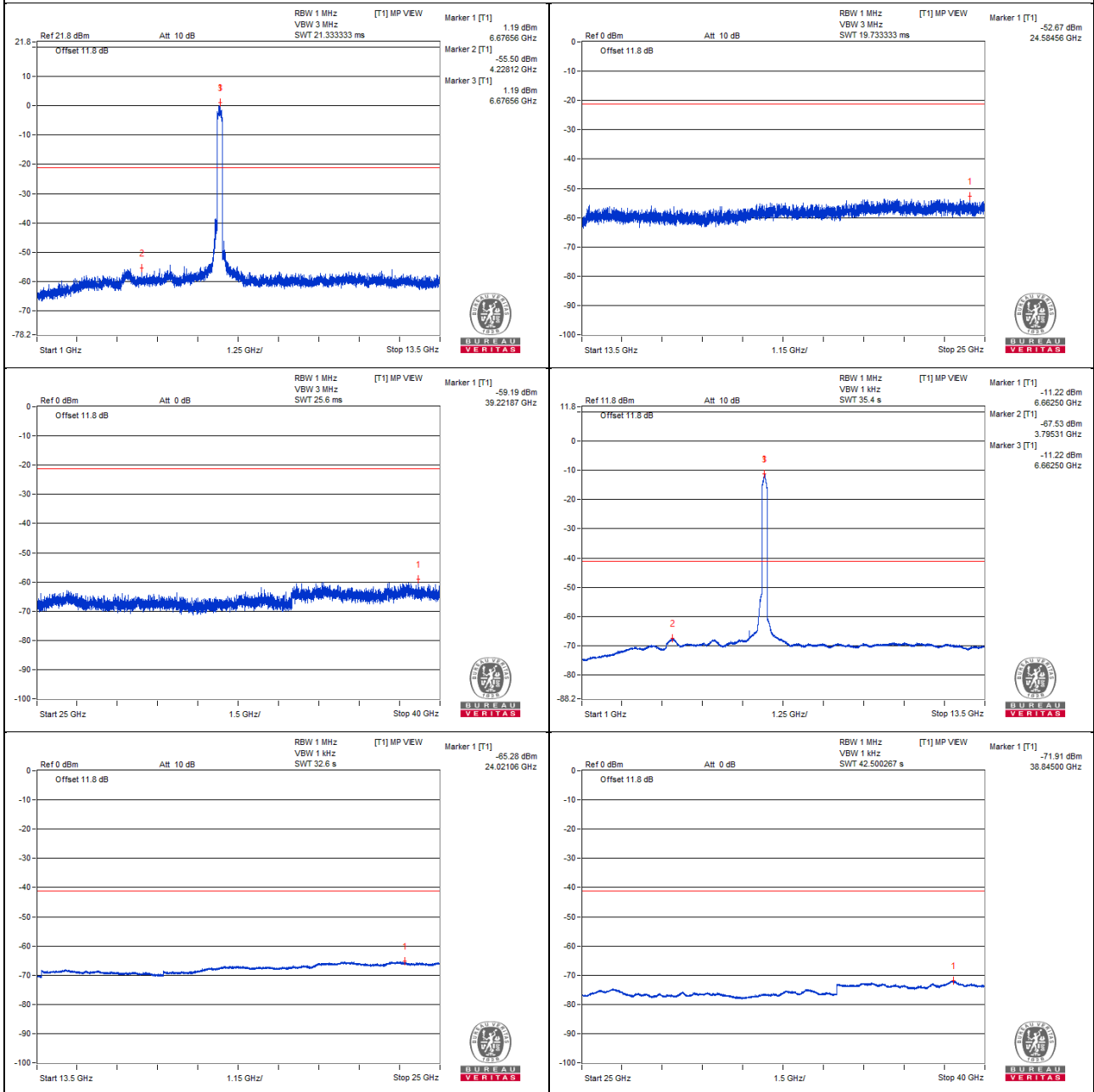
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



802.11be (EHT160) - Channel 175

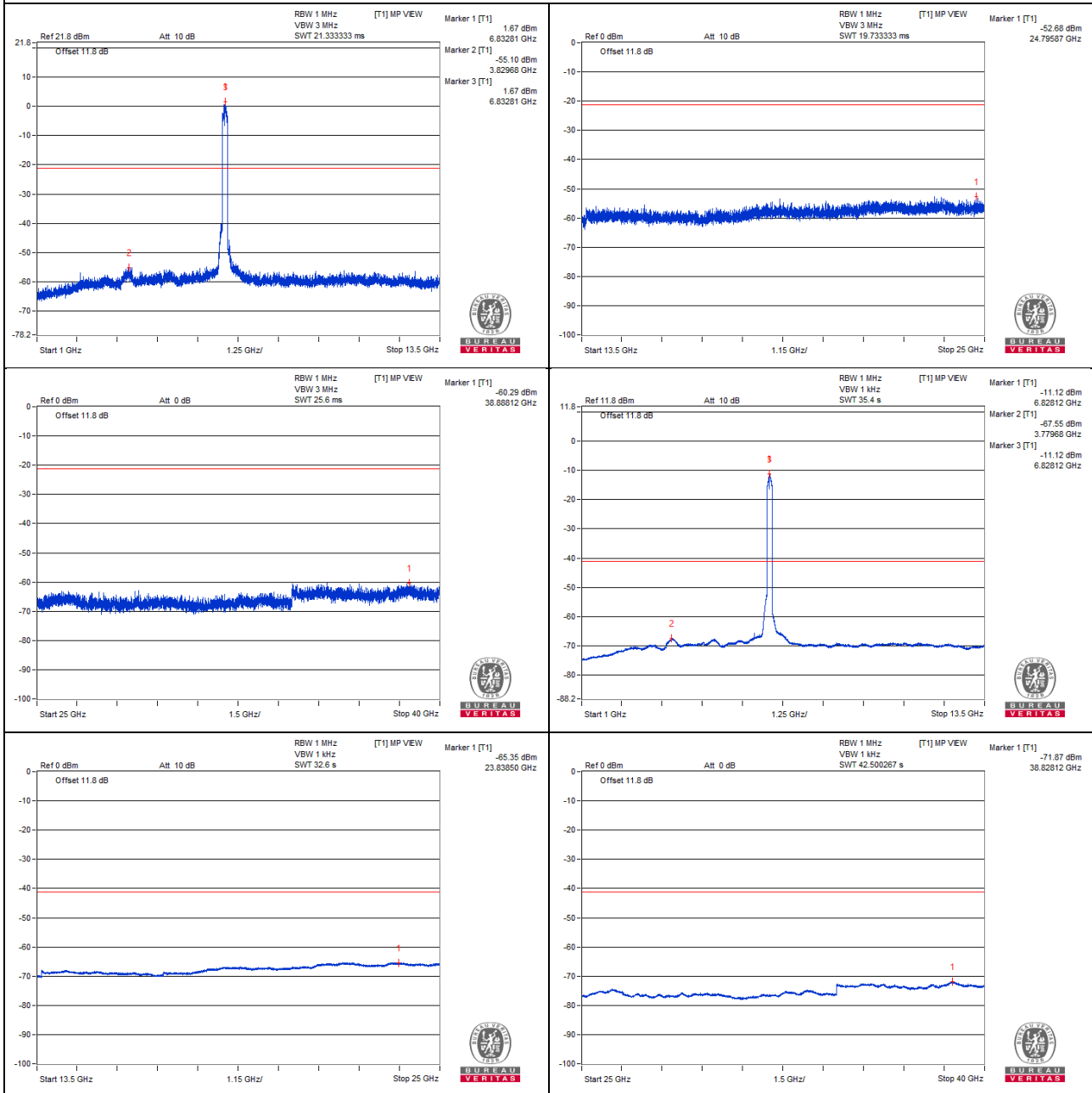
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13655.25	44.86 PK	88.2	-43.34	-57.44	-59.06	4.76	-50.40
2	#13658.12	34.47 AV	68.2	-33.73	-68.4	-68.72	4.76	-60.79
3	20471.87	47.1 PK	74	-26.9	-54.31	-58.56	4.76	-48.16
4	20481.93	35.63 AV	54	-18.37	-67.2	-67.6	4.76	-59.63

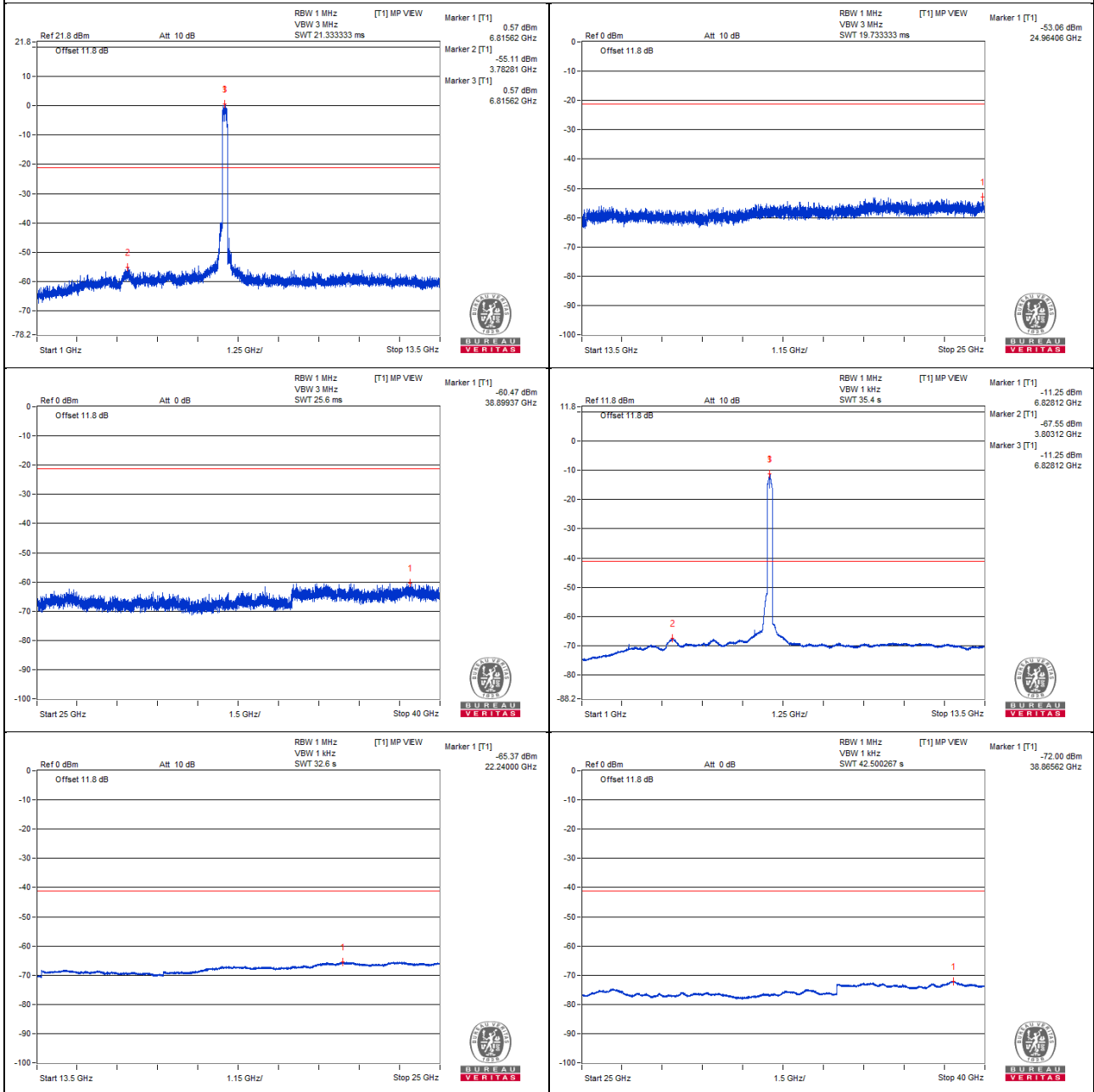
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT160) - Channel 207

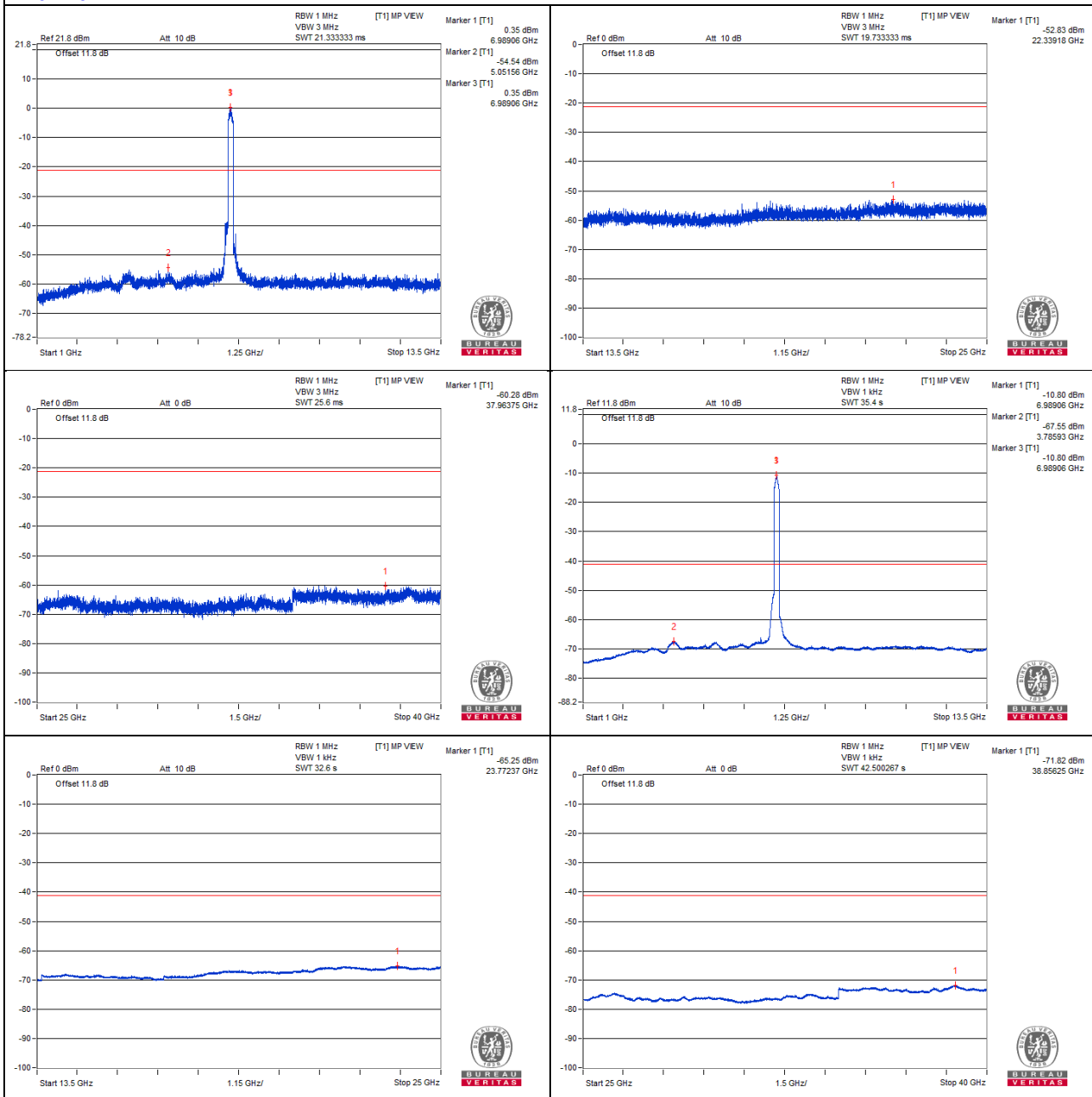
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13964.31	44.12 PK	88.2	-44.08	-60.13	-57.96	4.76	-51.14
2	#13962.87	34.36 AV	68.2	-33.84	-68.84	-68.51	4.76	-60.90
3	20946.25	46.19 PK	74	-27.81	-57.8	-56.06	4.76	-49.07
4	20952	35.92 AV	54	-18.08	-67.04	-67.18	4.76	-59.34

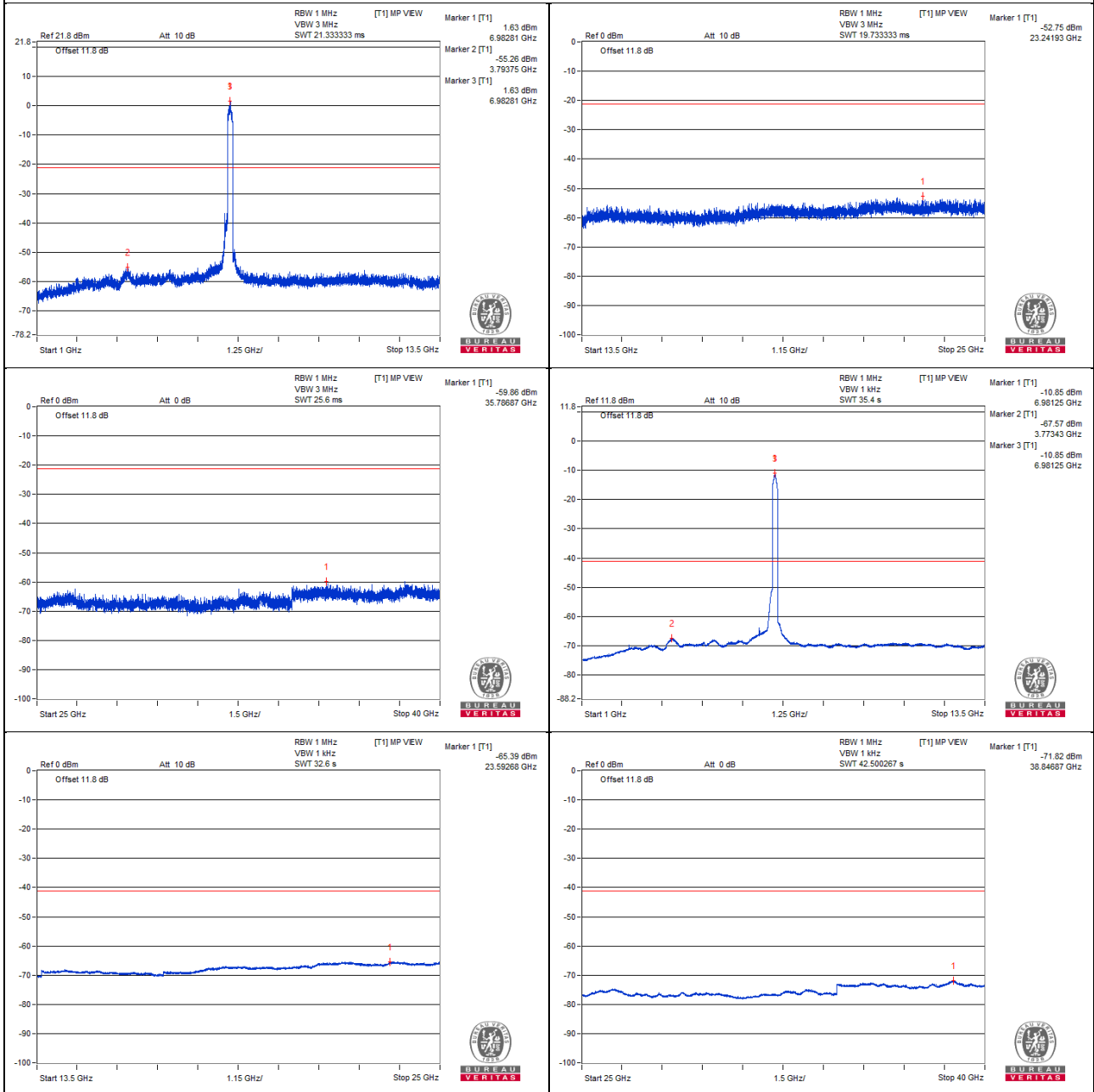
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



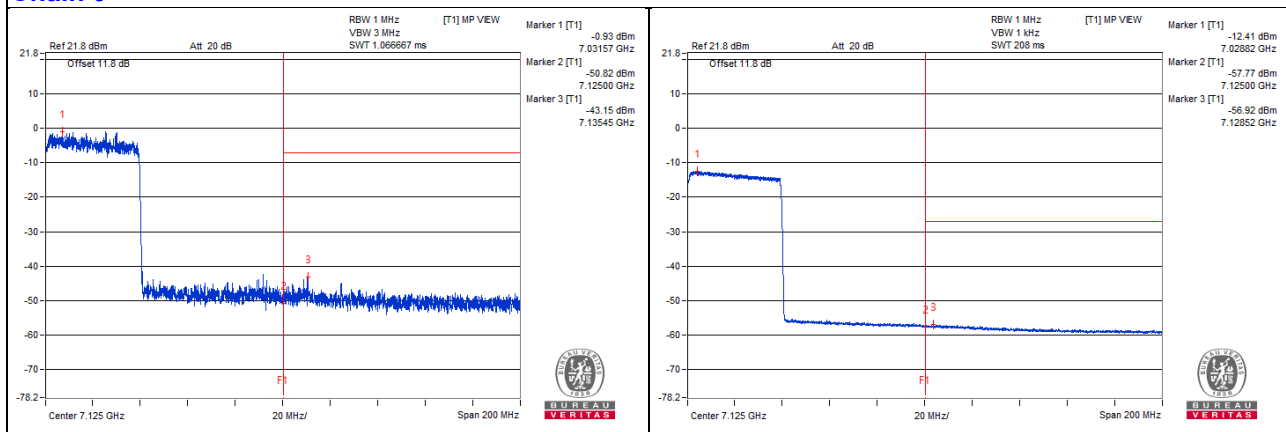
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#7136.02	57.16 PK	88.2	-31.04	-48.22	-43.43	4.09	-38.10
2	#7128.47	44.73 AV	68.2	-23.47	-56.93	-58.47	4.09	-50.53

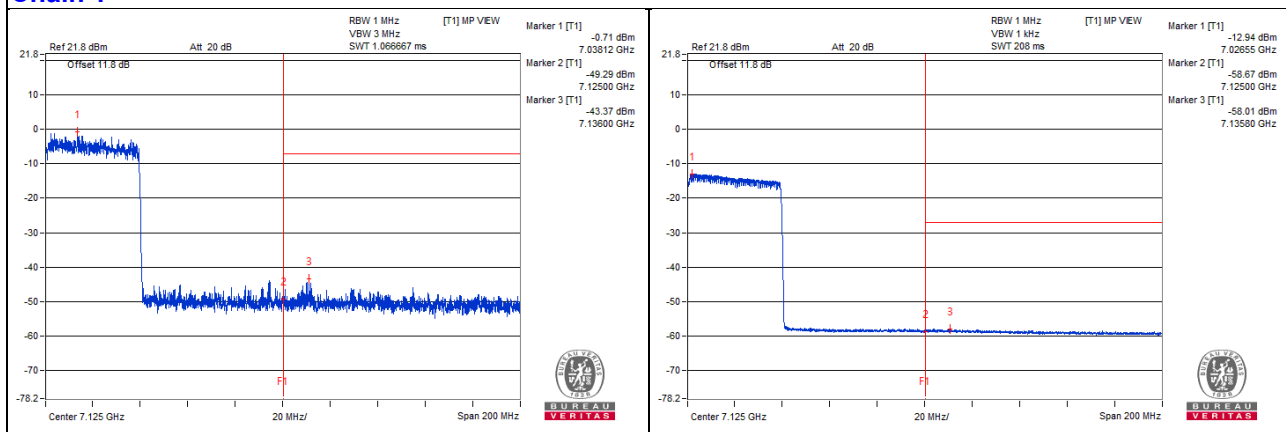
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT320) - Channel 31

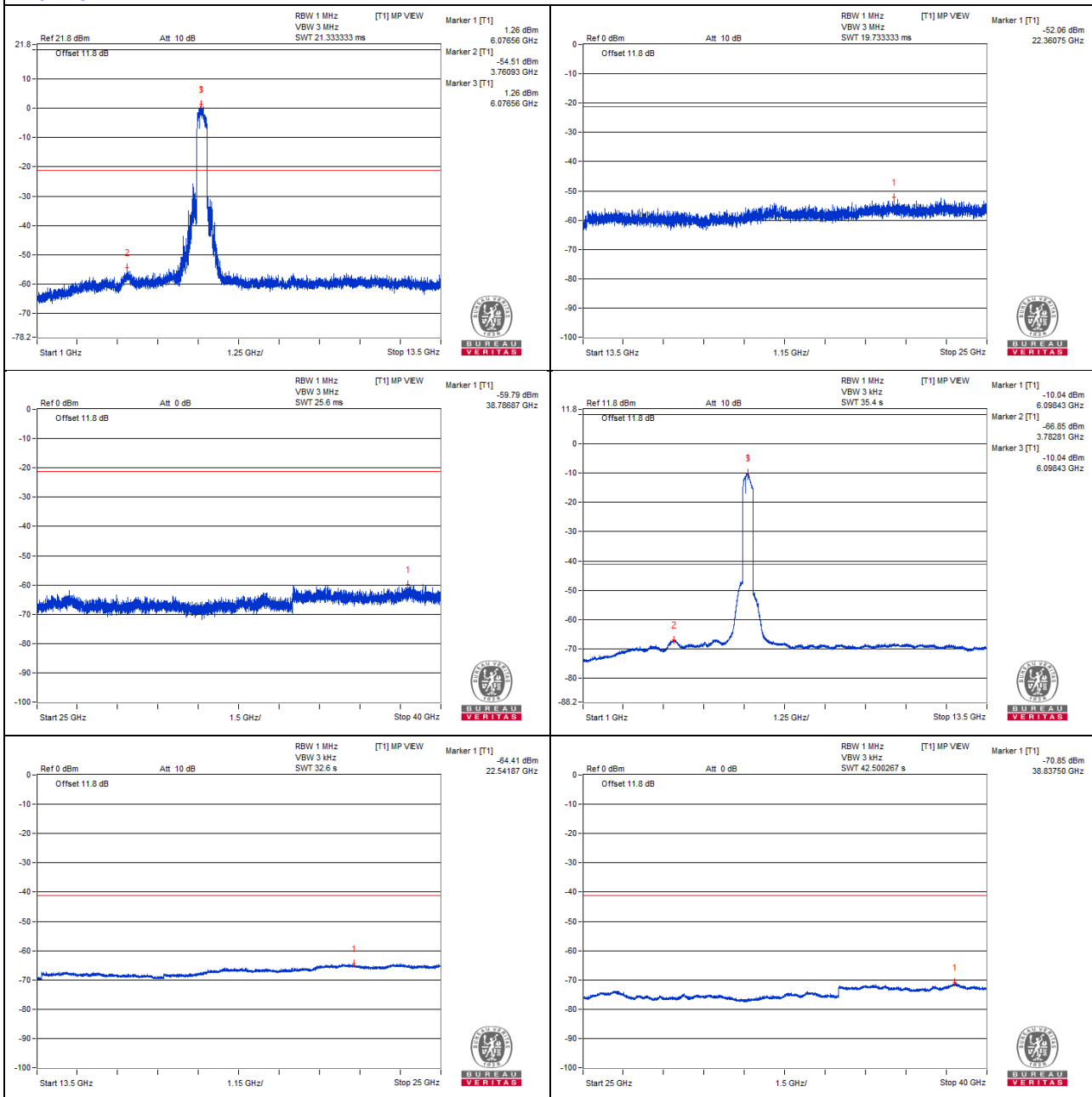
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	12217.18	45.04 PK	74	-28.96	-58.34	-57.66	4.76	-50.22
2	12200	33.64 AV	54	-20.36	-69.31	-69.47	4.76	-61.62
3	18314.18	45.21 PK	74	-28.79	-57.62	-58.03	4.76	-50.05
4	18311.31	35.63 AV	54	-18.37	-67.32	-67.48	4.76	-59.63

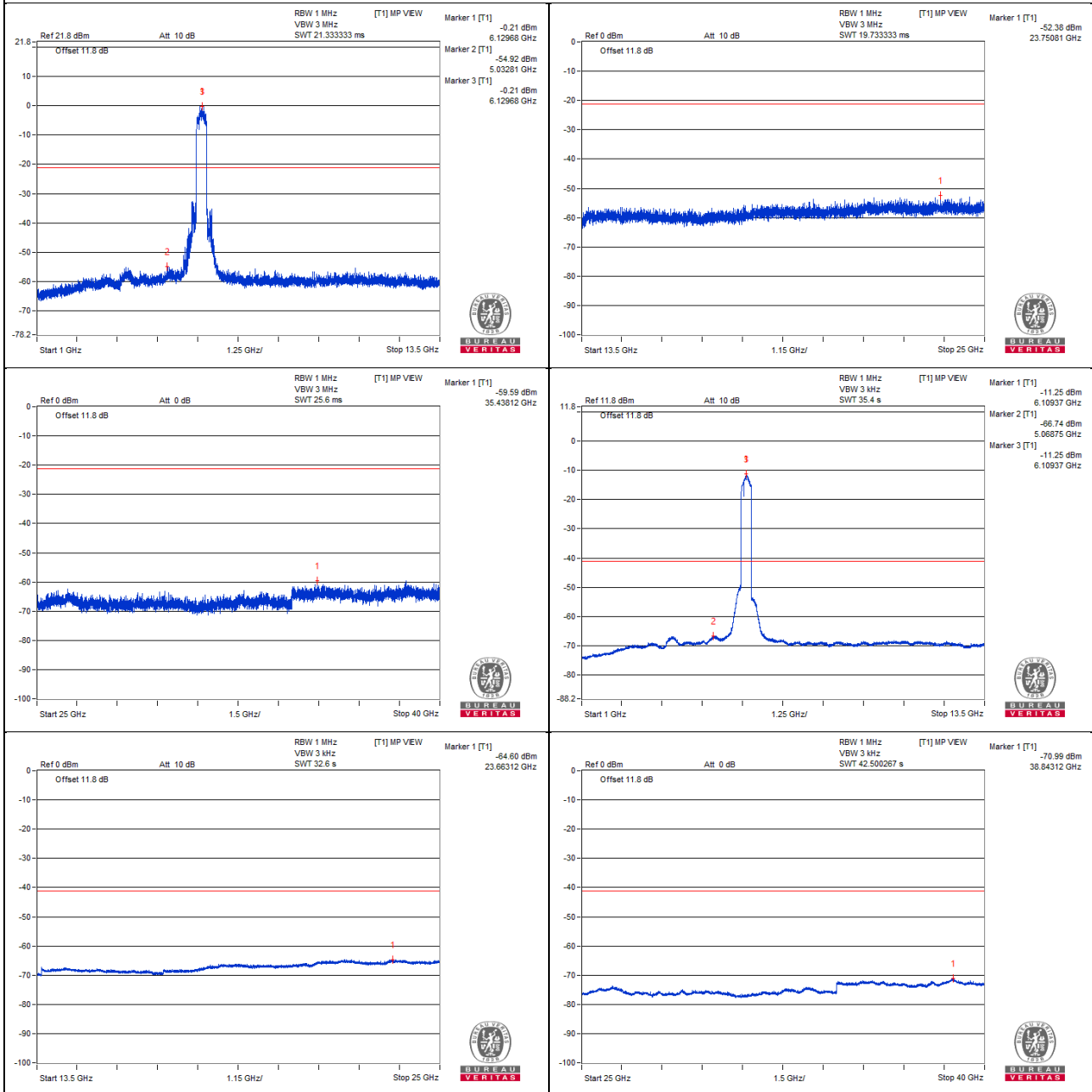
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



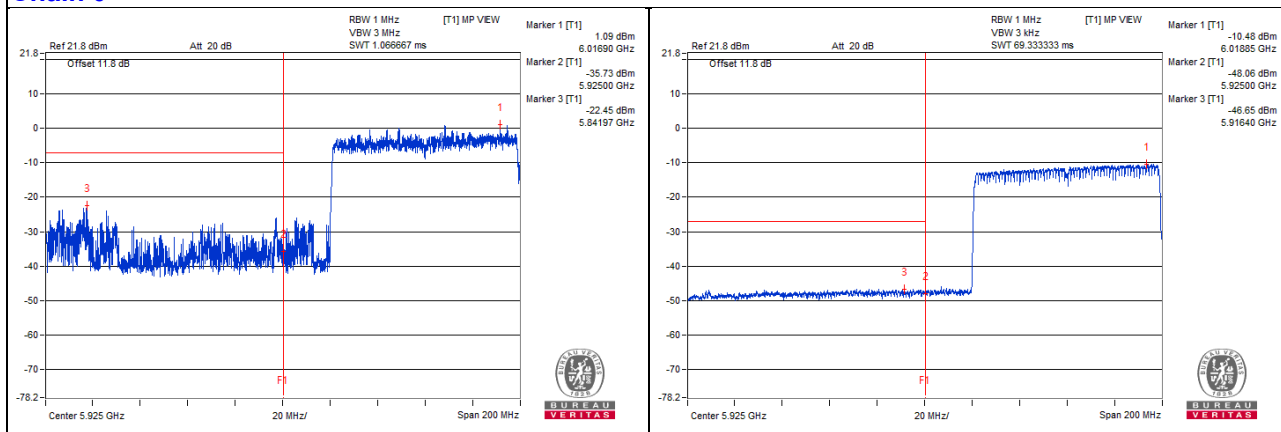
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#5841.97	77.62 PK	88.2	-10.58	-22.45	-41.85	4.76	-17.64
2	#5919.95	55.15 AV	68.2	-13.05	-46.71	-49.49	4.76	-40.11

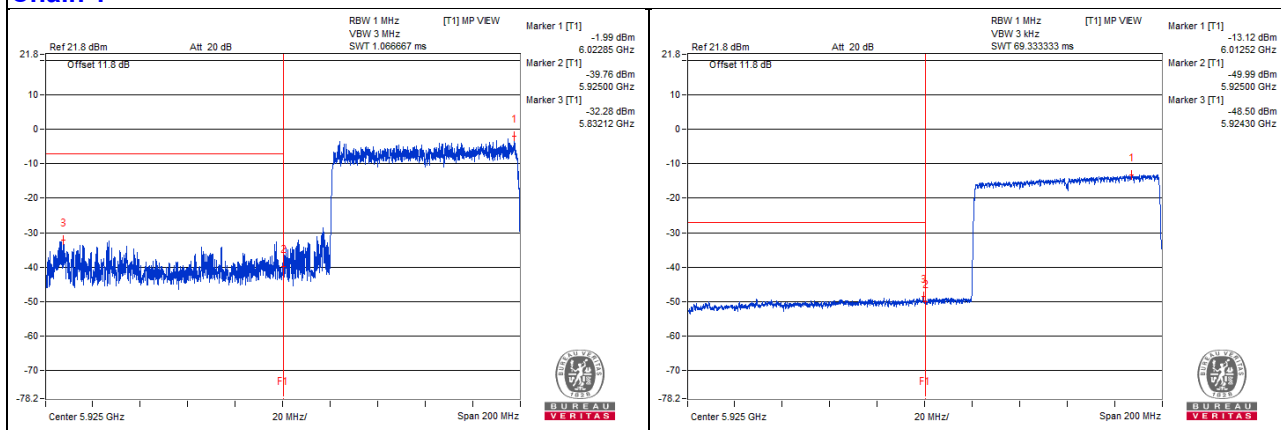
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT320) - Channel 63

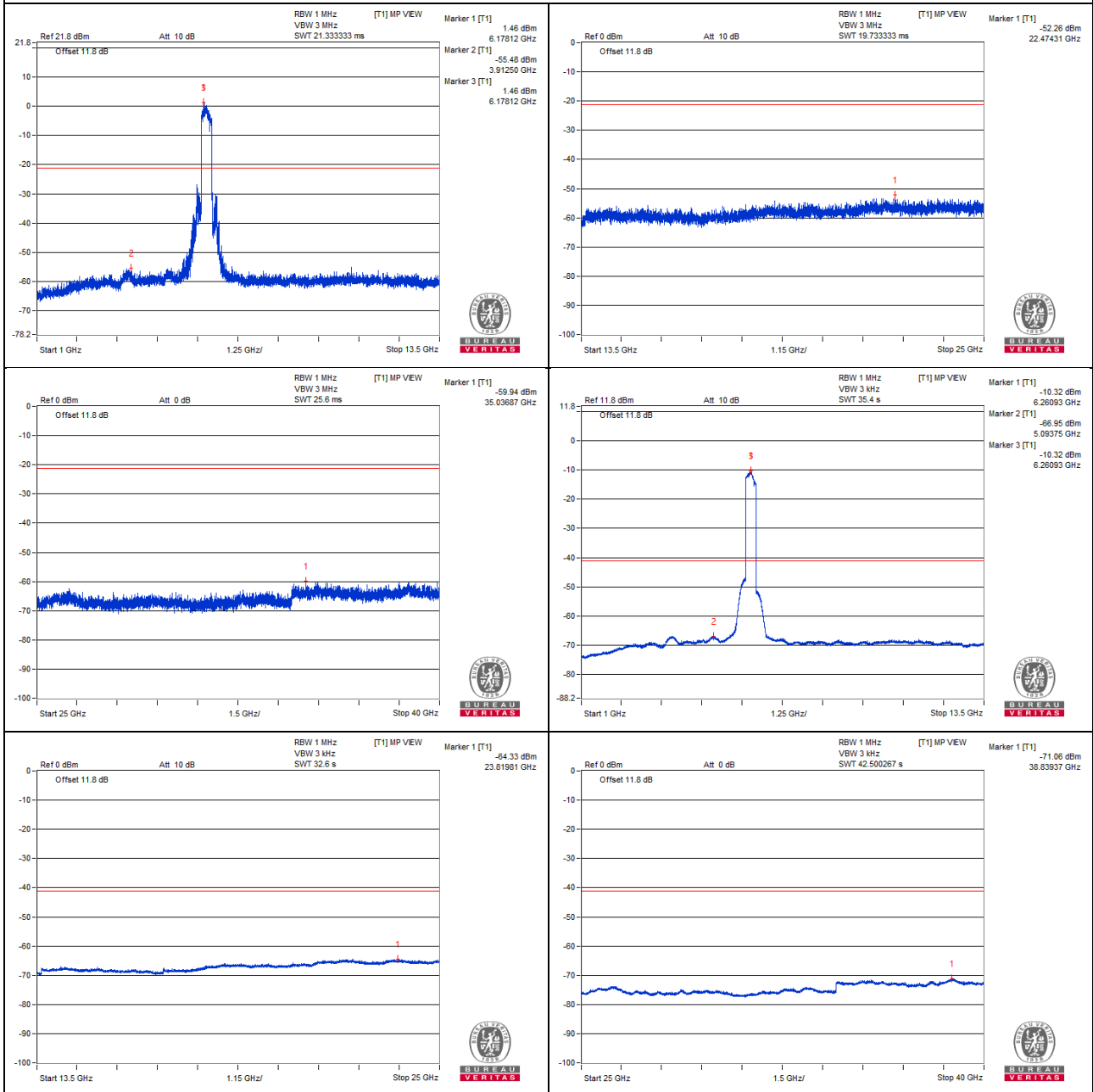
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	12532.81	43.92 PK	74	-30.08	-58.53	-59.77	4.76	-51.34
2	12521.87	33.8 AV	54	-20.2	-69.23	-69.24	4.76	-61.46
3	18797.18	45.87 PK	74	-28.13	-57.94	-56.5	4.76	-49.39
4	18790	36.47 AV	54	-17.53	-66.47	-66.65	4.76	-58.79

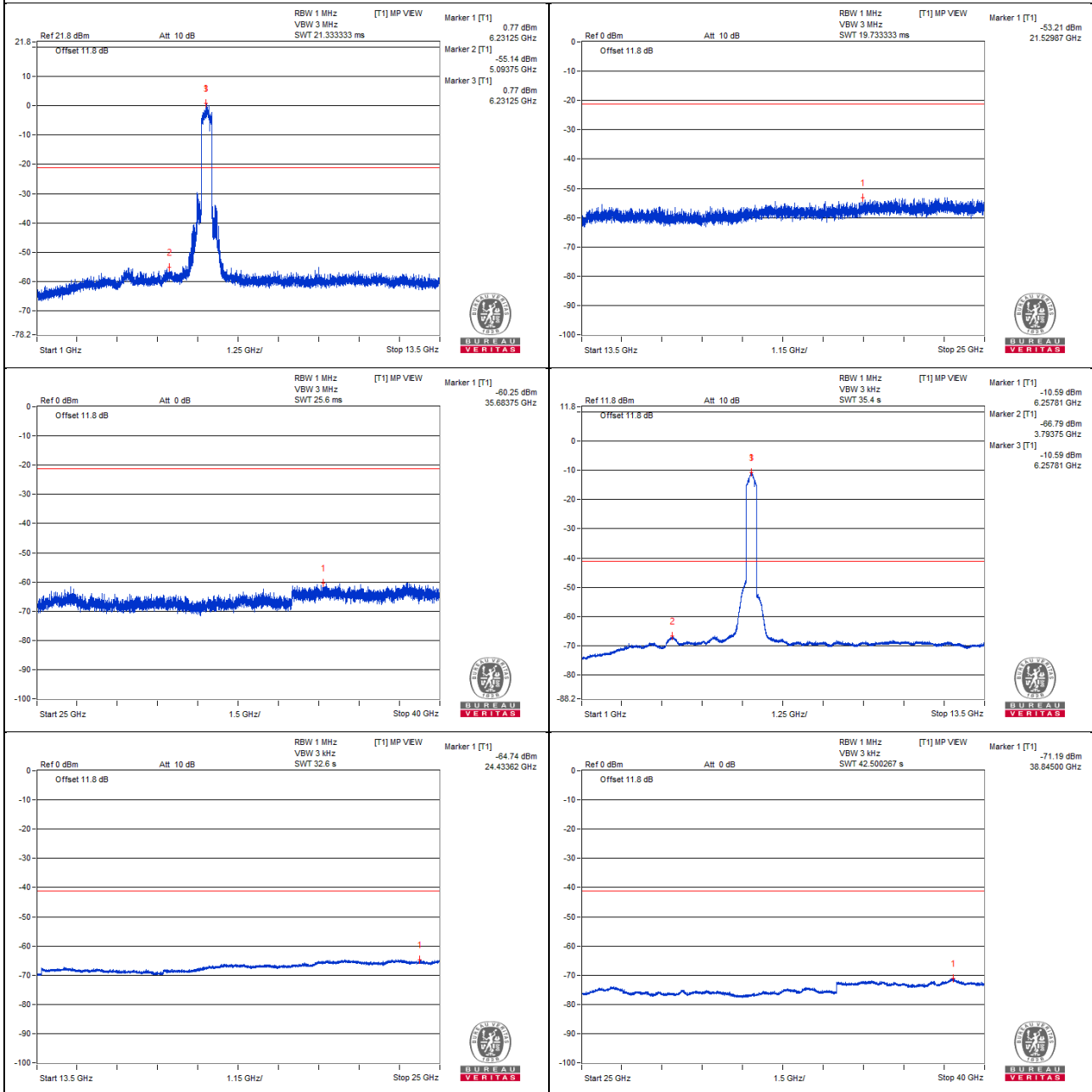
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



802.11be (EHT320) - Channel 95

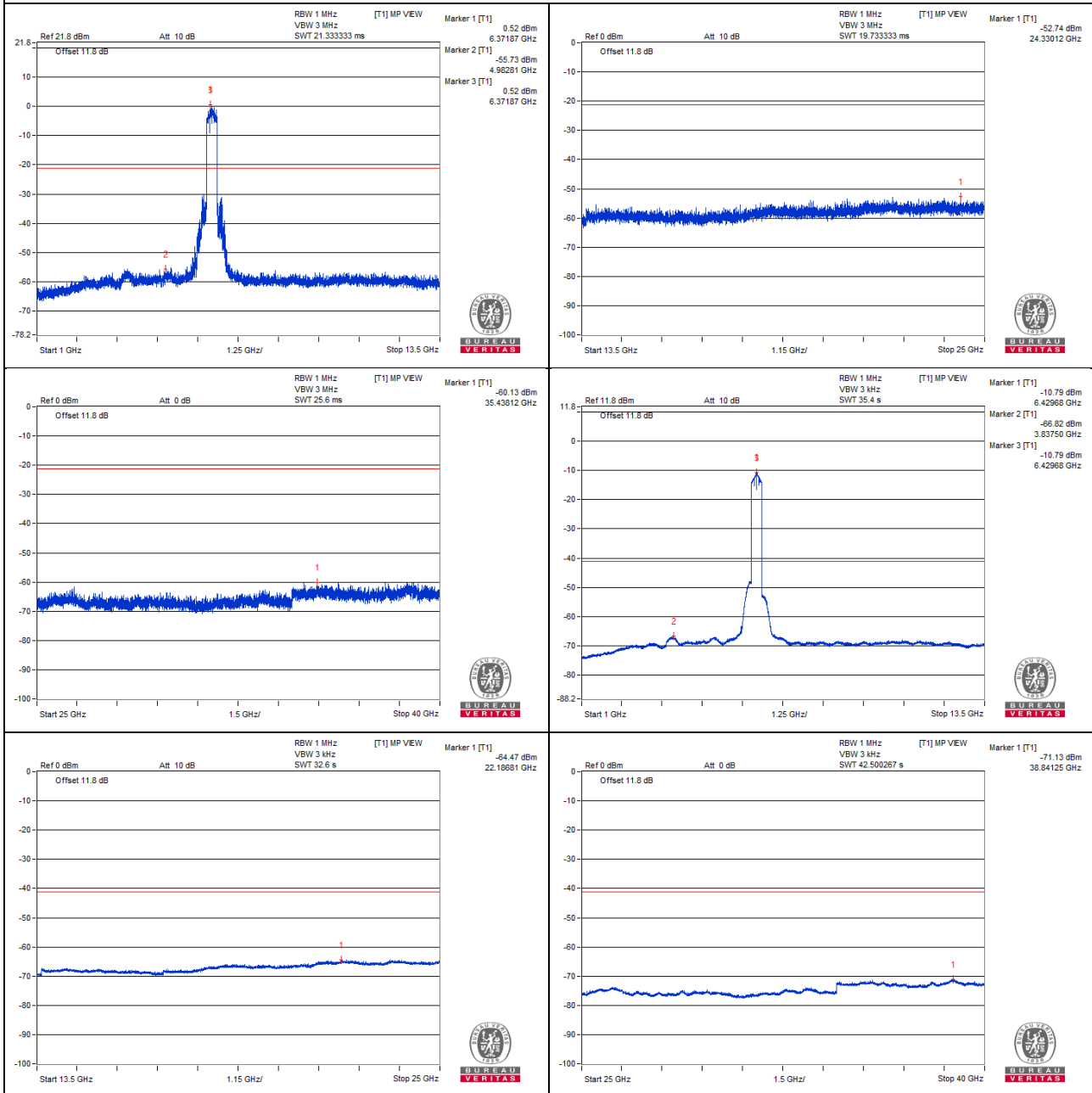
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#12846.87	45.03 PK	88.2	-43.17	-58.4	-57.63	4.76	-50.23
2	#12859.37	33.18 AV	68.2	-35.02	-69.52	-70.2	4.76	-62.08
3	19274.43	47.19 PK	74	-26.81	-55.55	-56.16	4.76	-48.07
4	19273	36.58 AV	54	-17.42	-66.57	-66.33	4.76	-58.68

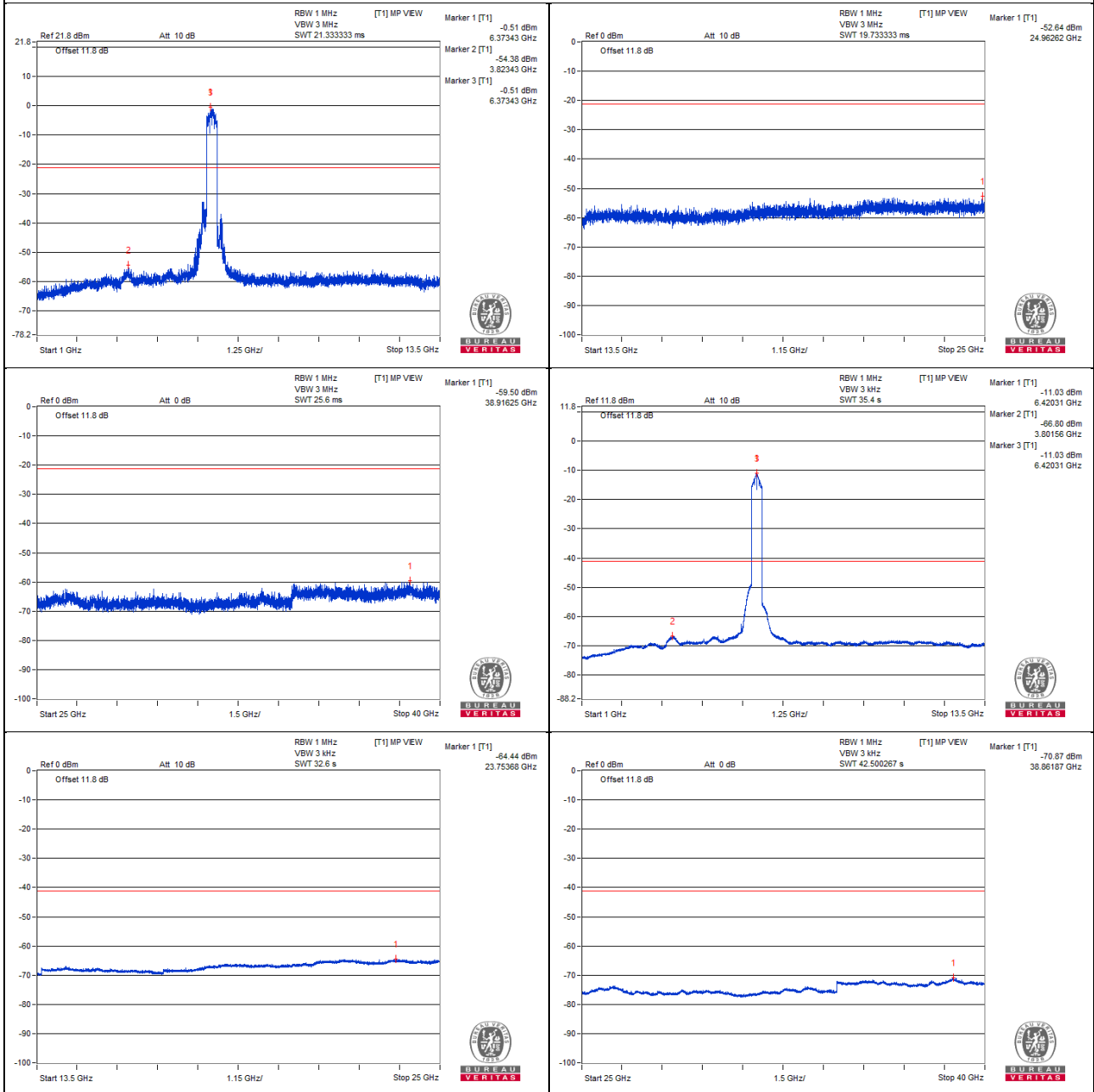
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT320) - Channel 127

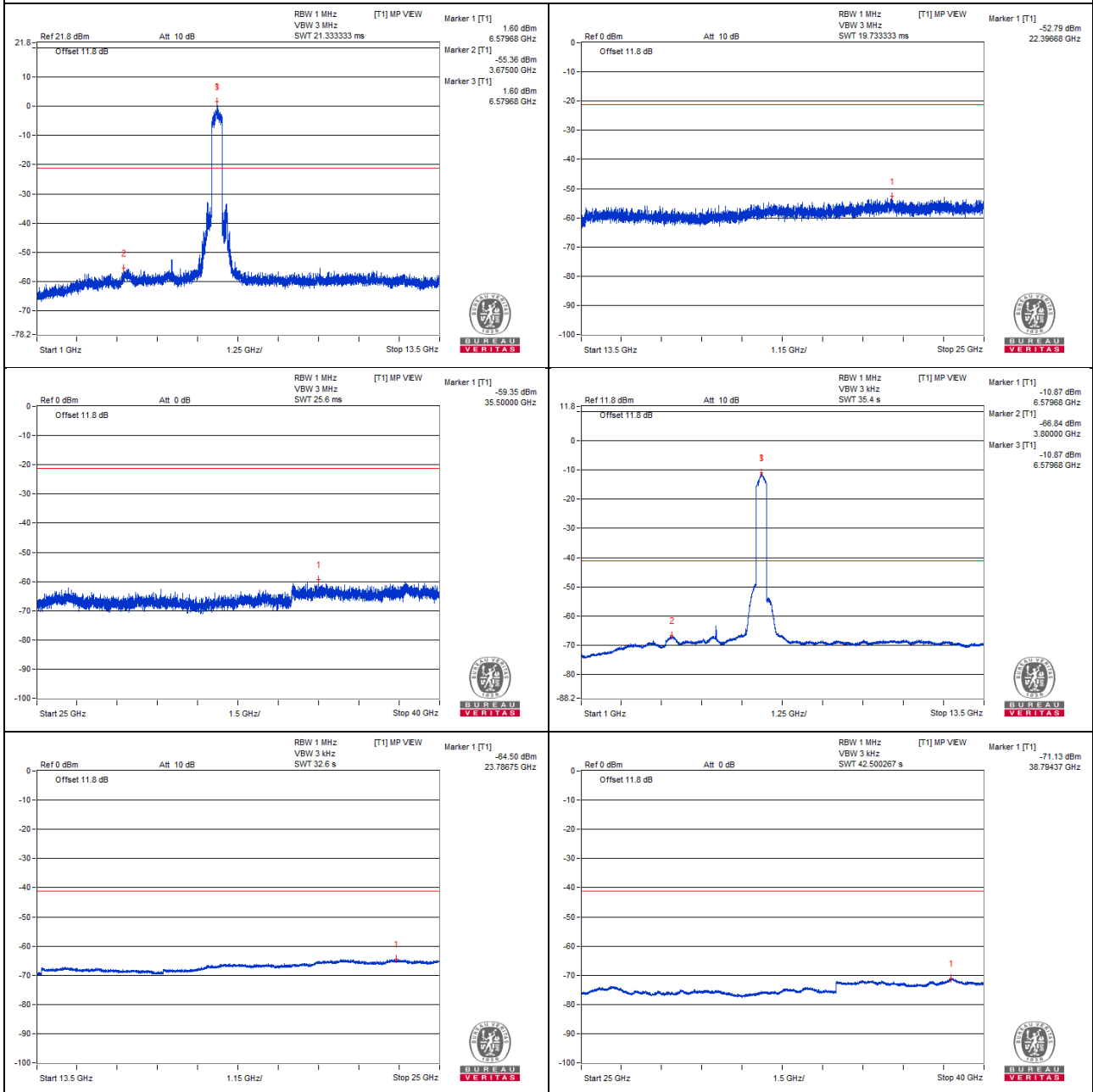
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13160.93	43.11 PK	88.2	-45.09	-59.21	-60.76	4.76	-52.15
2	#13175	33.27 AV	68.2	-34.93	-69.85	-69.67	4.76	-61.99
3	19745.93	46.11 PK	74	-27.89	-56.19	-57.81	4.76	-49.15
4	19757.43	36.35 AV	54	-17.65	-66.58	-66.78	4.76	-58.91

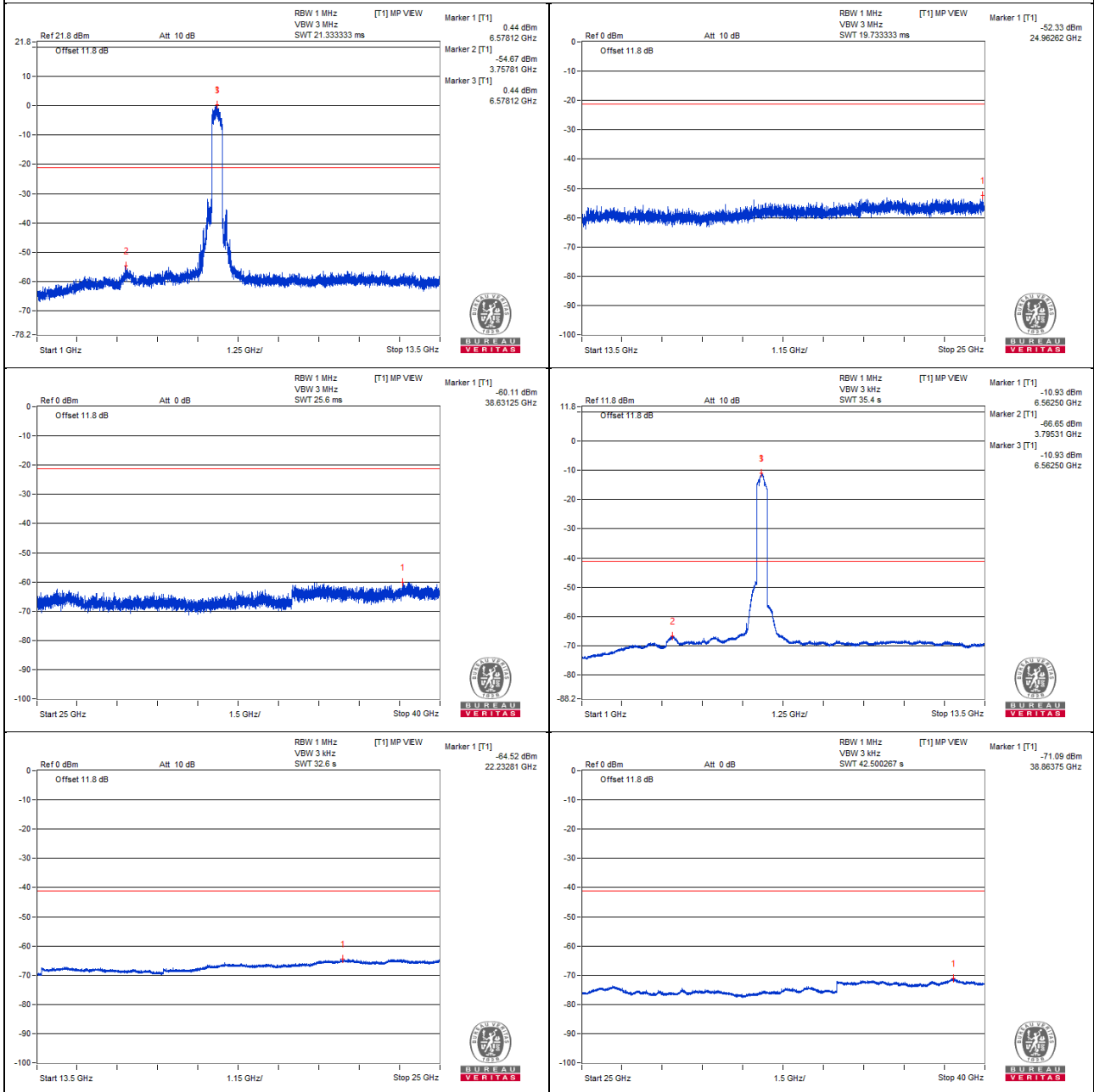
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT320) - Channel 159

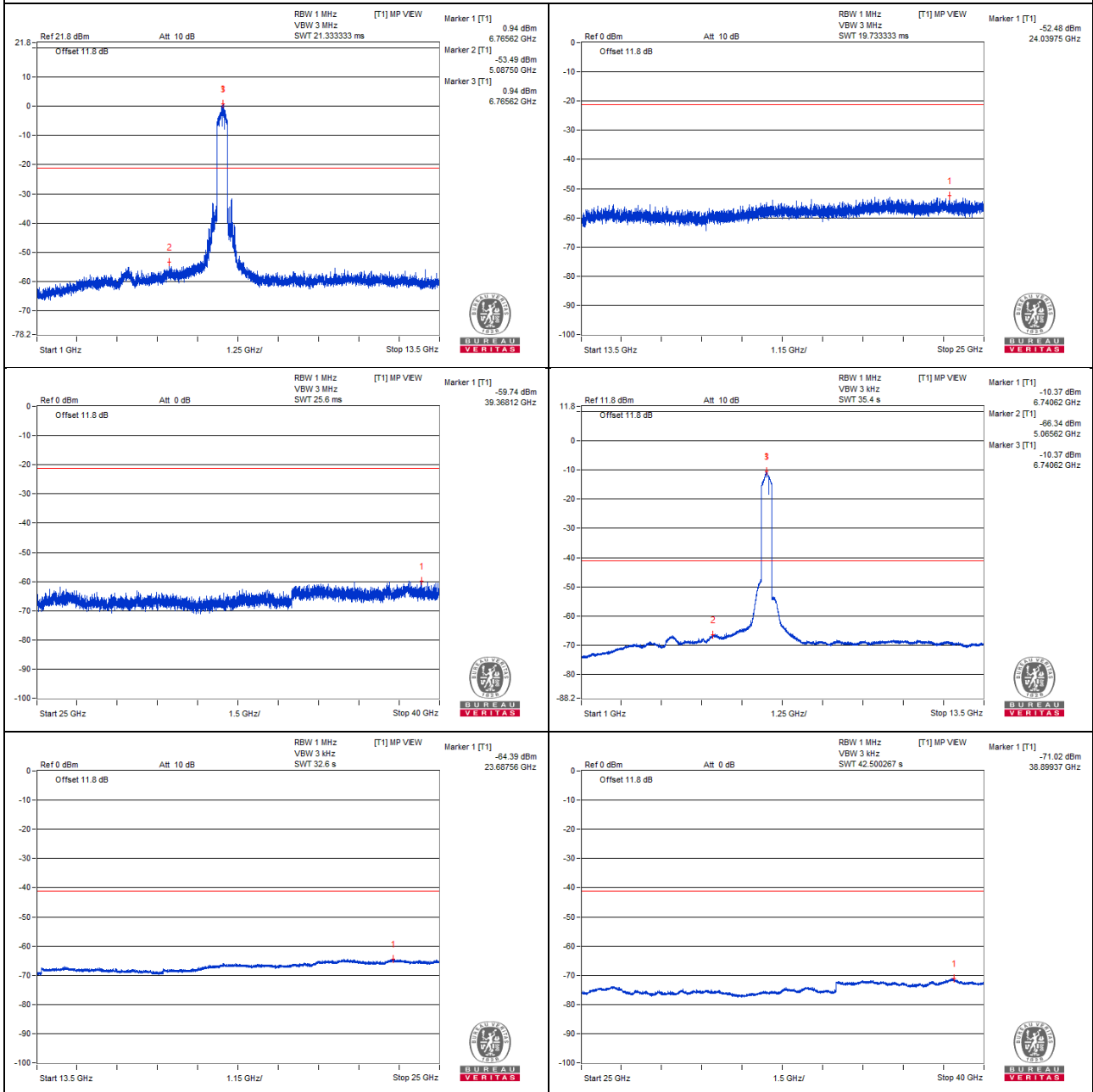
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13492.18	43.77 PK	88.2	-44.43	-60.62	-58.22	4.76	-51.49
2	#13487.5	33.59 AV	68.2	-34.61	-69.56	-69.32	4.76	-61.67
3	20227.5	46.33 PK	74	-27.67	-56.84	-56.56	4.76	-48.93
4	20243.31	36.3 AV	54	-17.7	-66.63	-66.84	4.76	-58.96

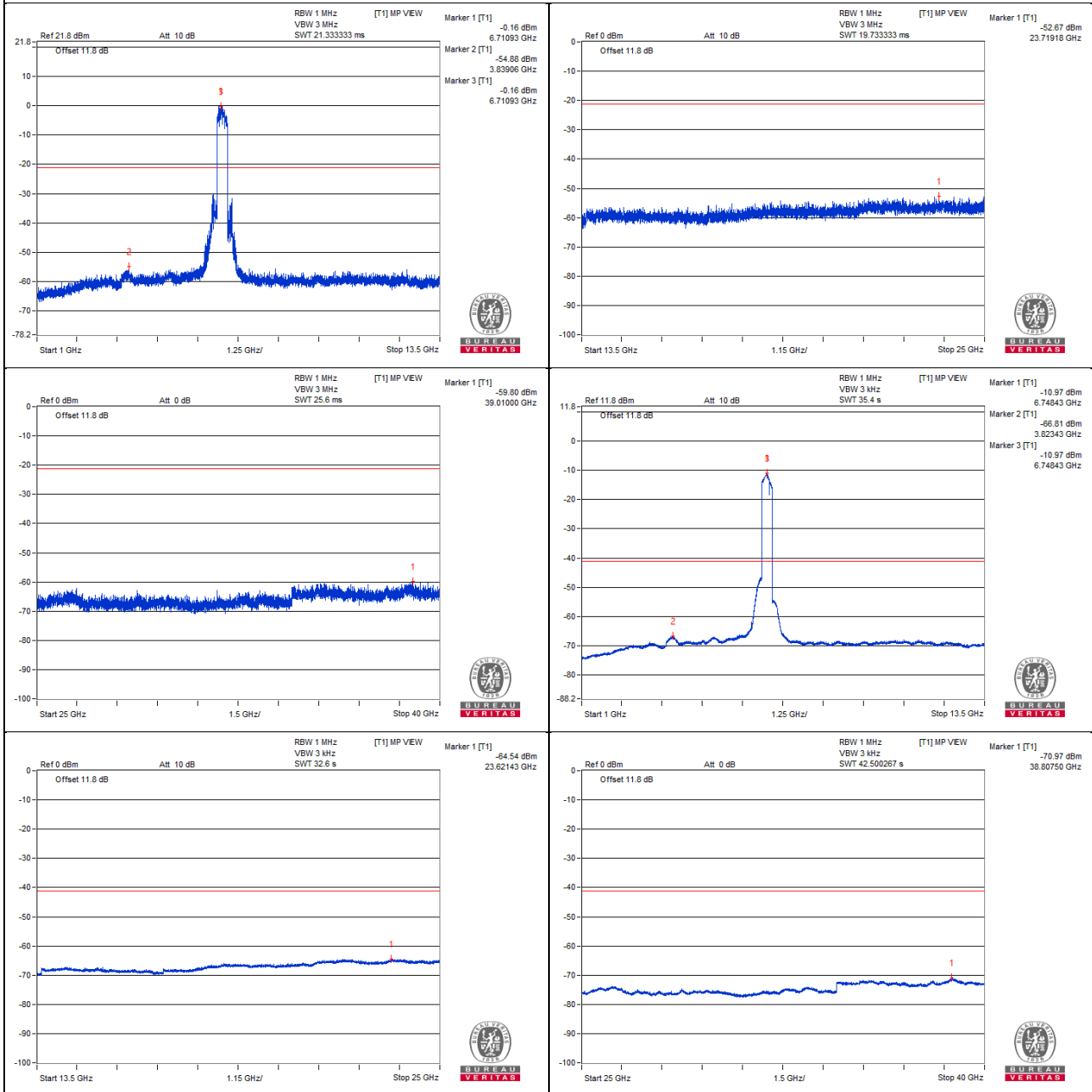
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



802.11be (EHT320) - Channel 191

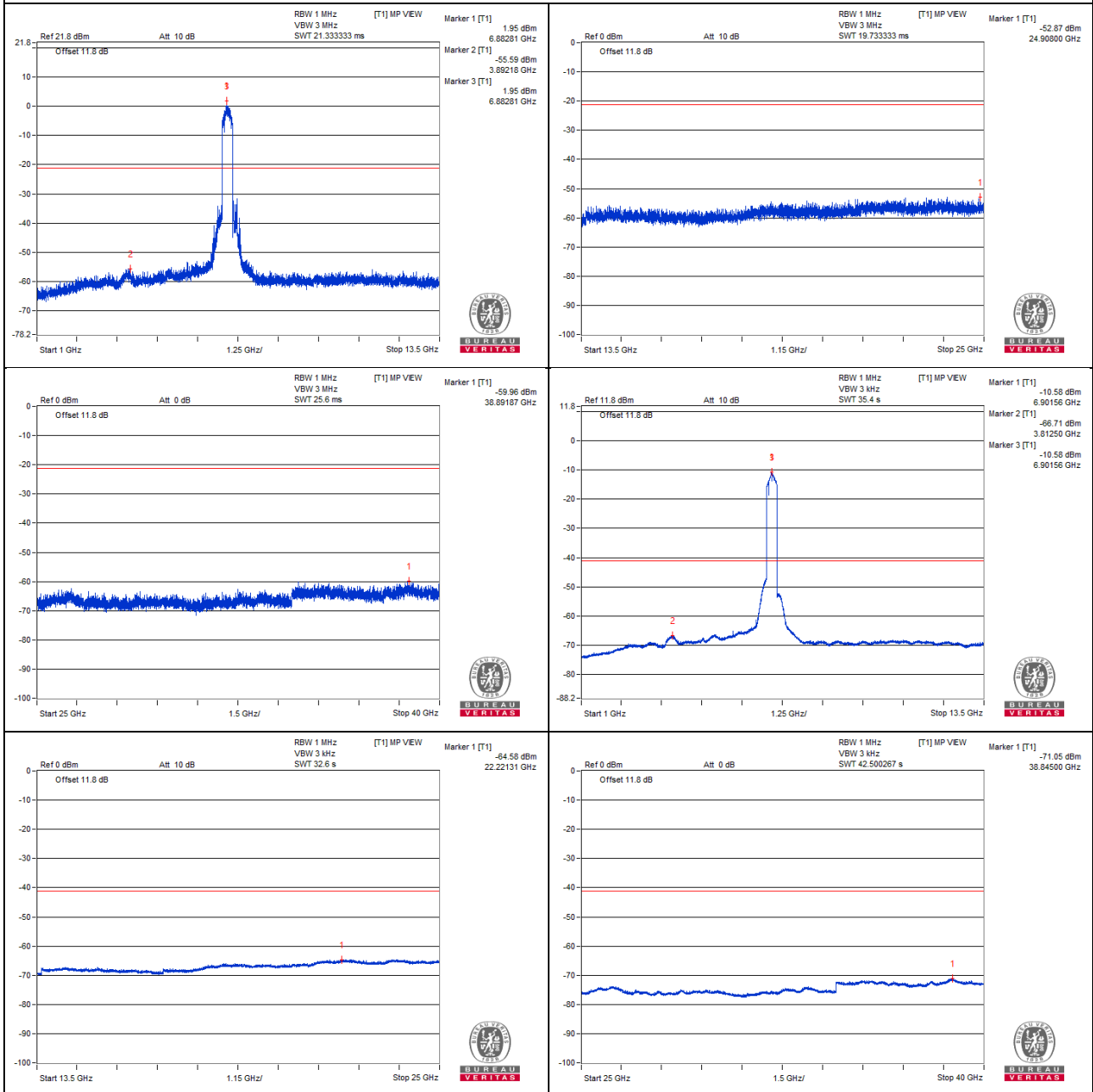
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#13819.12	44.48 PK	88.2	-43.72	-59.25	-57.95	4.76	-50.78
2	#13806.18	34.43 AV	68.2	-33.77	-68.09	-69.17	4.76	-60.83
3	20706.18	45.58 PK	74	-28.42	-57.47	-57.44	4.76	-49.68
4	20724.87	36.21 AV	54	-17.79	-66.32	-67.38	4.76	-59.05

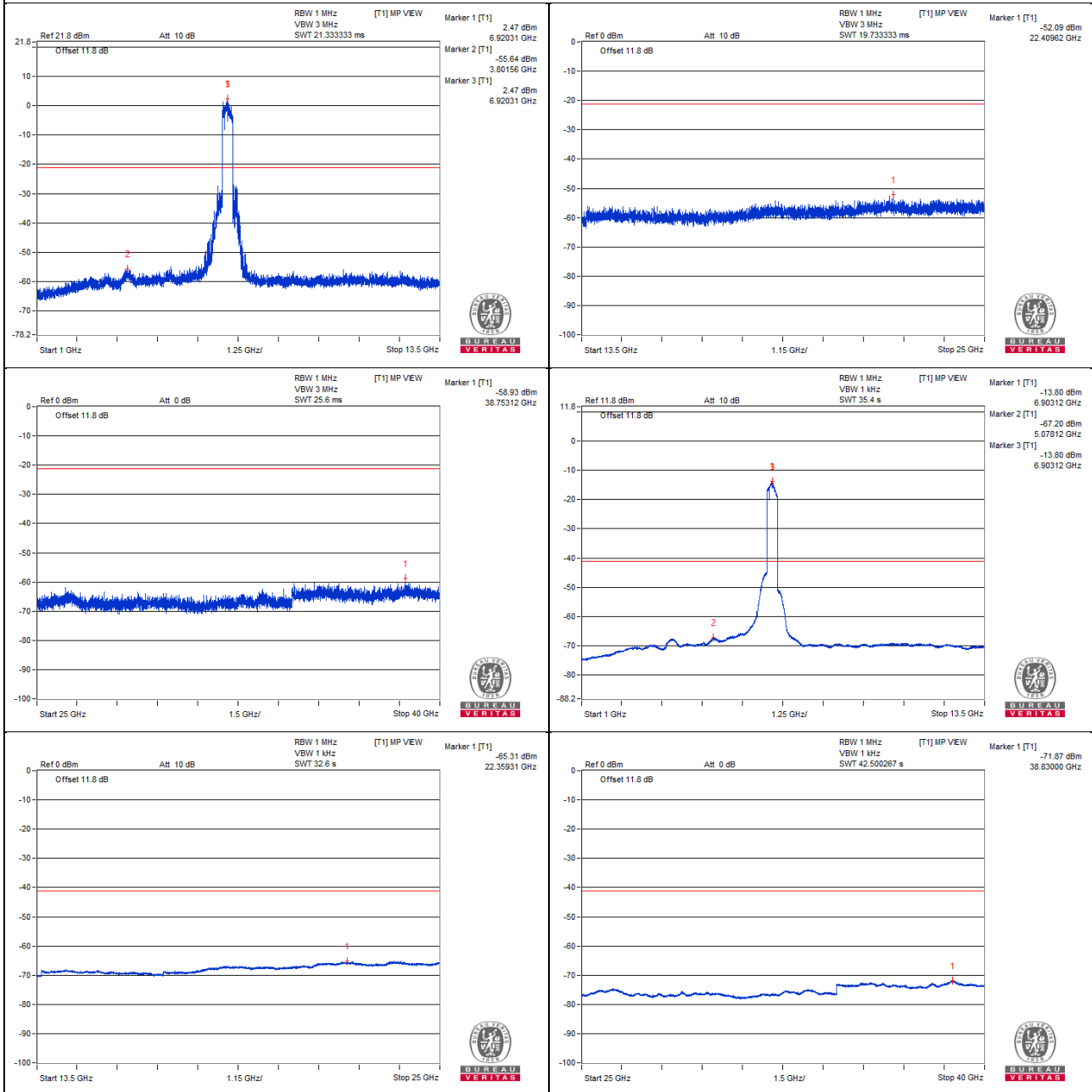
Remarks:

- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



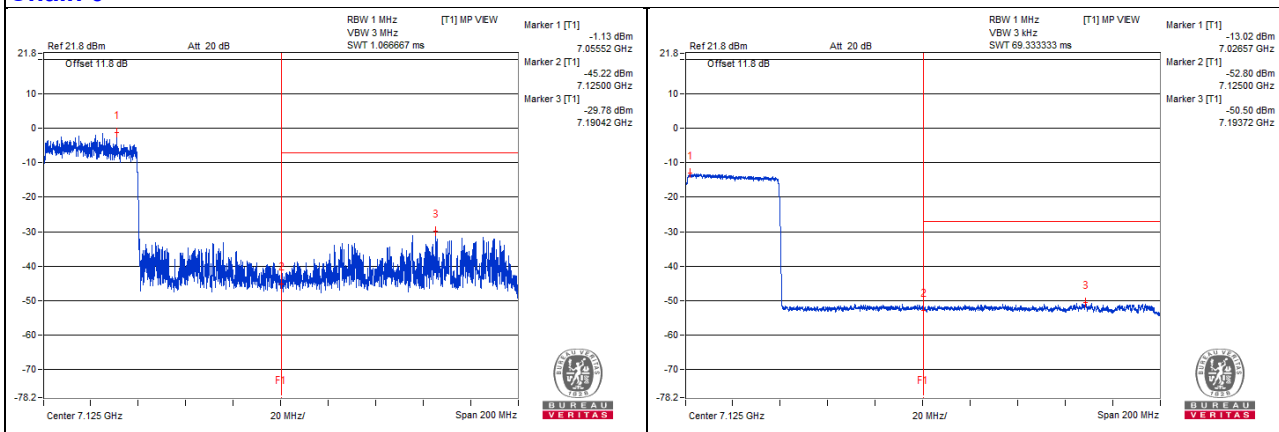
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	#7190.42	71.43 PK	88.2	-16.77	-29.78	-32.49	4.09	-23.83
2	#7193.7	51.67 AV	68.2	-16.53	-50.52	-50.87	4.09	-43.59

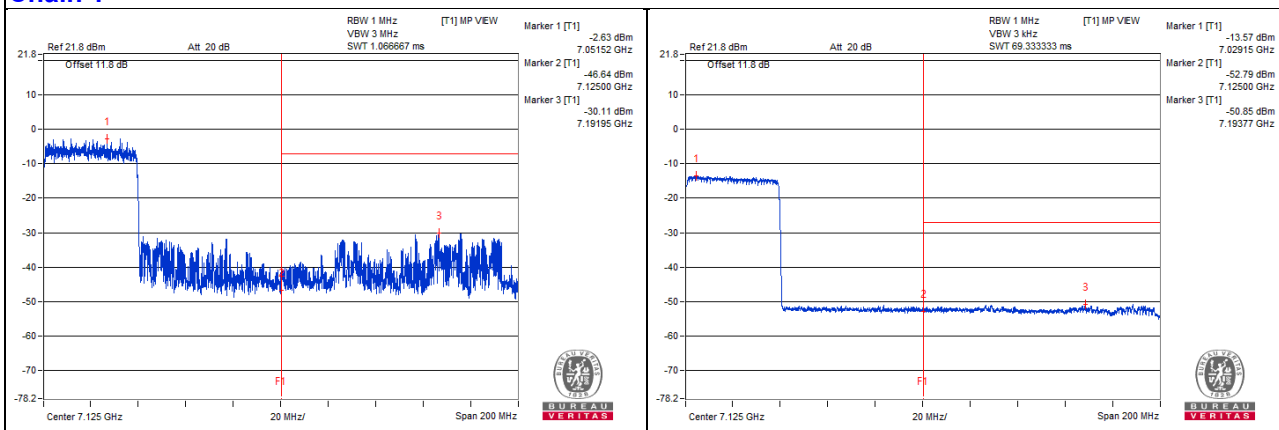
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " # " : The frequency is out of the restricted band.

Chain 0



Chain 1



Below 1GHz Data:

802.11be (EHT320) – Channel 159

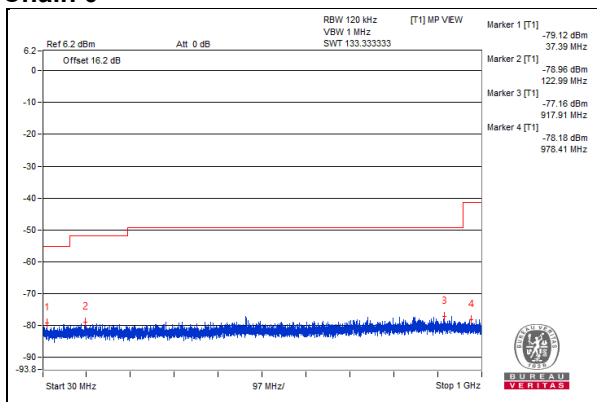
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	30.48	22.76	40	-17.24	-80.59	-79.97	4.76	-72.50
2	133.54	23.01	43.5	-20.49	-81.69	-78.82	4.76	-72.25
3	387.2	23.07	46	-22.93	-79.5	-80.47	4.76	-72.19
4	478.86	24.22	46	-21.78	-77.26	-81.26	4.76	-71.04
5	725.24	24.91	46	-21.09	-78.09	-78.15	4.76	-70.35
6	851.95	24.75	46	-21.25	-77.72	-78.92	4.76	-70.51

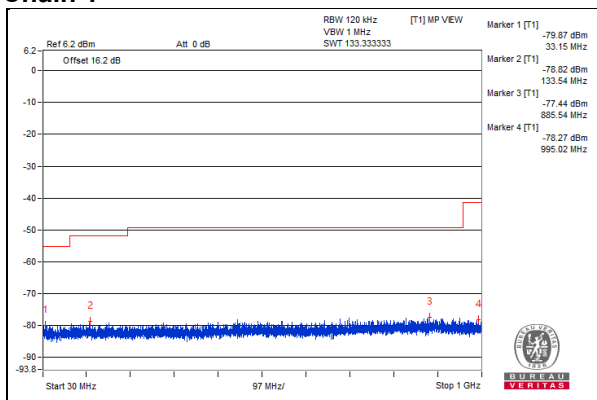
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



4.2 In-Band Emission (Mask) Measurement

4.2.1 Limits of In-Band Emission (Mask) Measurement

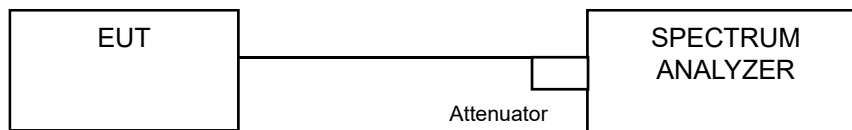
Test Item	Frequencies (MHz)	(X) dBc ^{*1}
Emission Mask	At 1 MHz outside of channel edge	20
	At one channel bandwidth from the channel center ^{*2}	28
	At one- and one-half times the channel bandwidth away from channel center ^{*3}	40
	More than one- and one-half times the channel bandwidth	40

^{*1} : The power spectral density must be suppressed by “x” dB

^{*2} : At frequencies between one megahertz outside an unlicensed device’s channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression,

^{*3} : At frequencies between one and one- and one-half times an unlicensed device’s channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.

4.2.2 Test Setup



4.2.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.2.4 Test Procedure

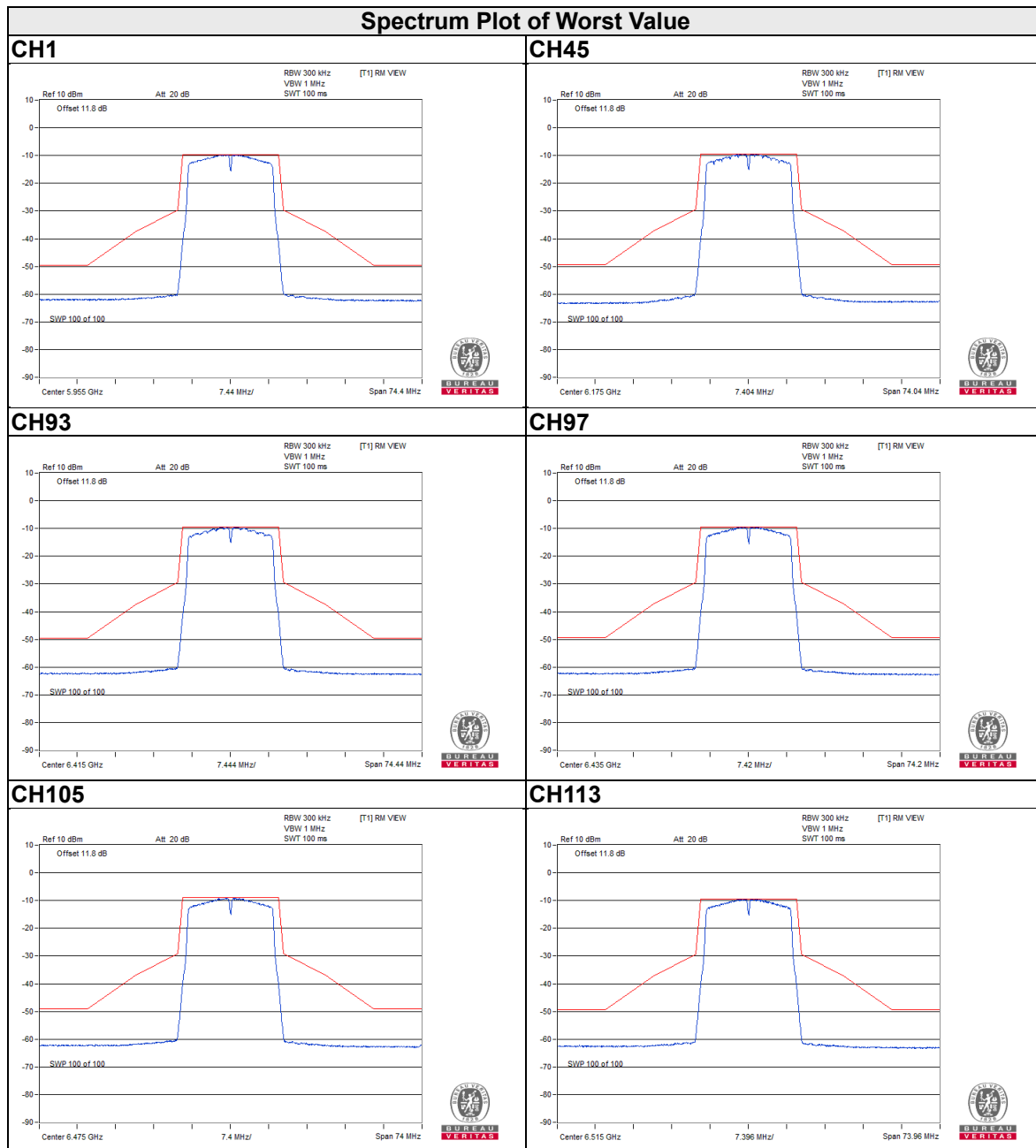
- a. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
- b. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (Determine the channel edge.)
- c. Measure the power spectral density (for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
Sweep points: 1001 pts
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
- d. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - b) Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
- e. Adjust the span to encompass the entire mask as necessary and clear trace.
- f. Trace average at least 100 traces in power averaging (rms) mode.
- g. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

4.2.5 EUT Operating Condition

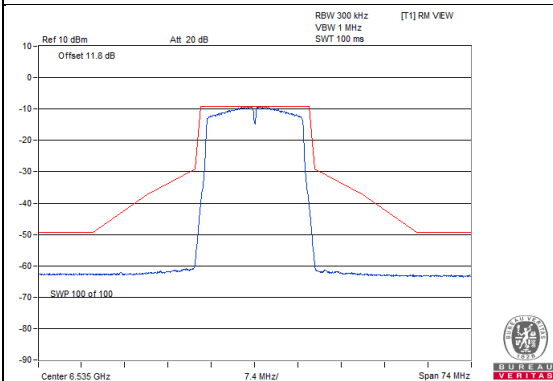
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.2.6 Test Results (Mode 1)

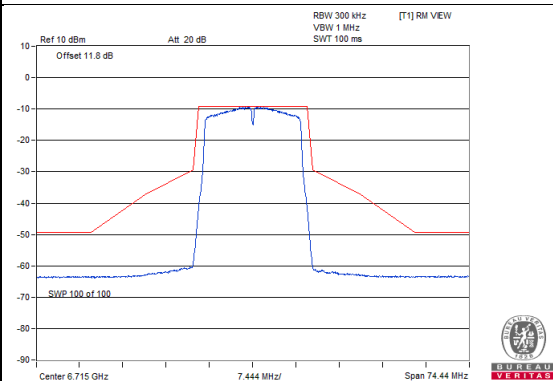
802.11a



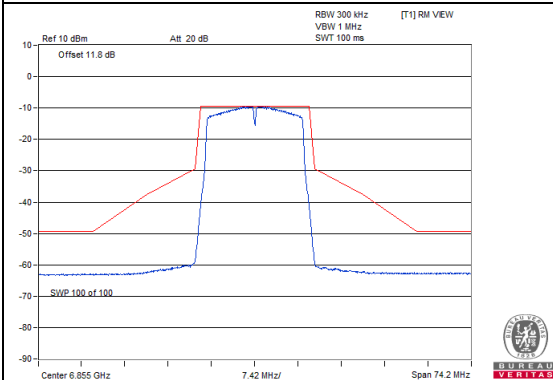
CH117



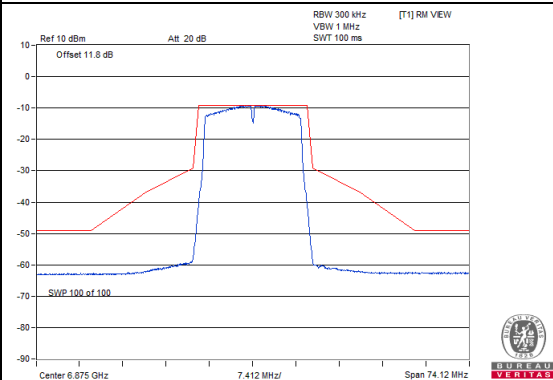
CH153



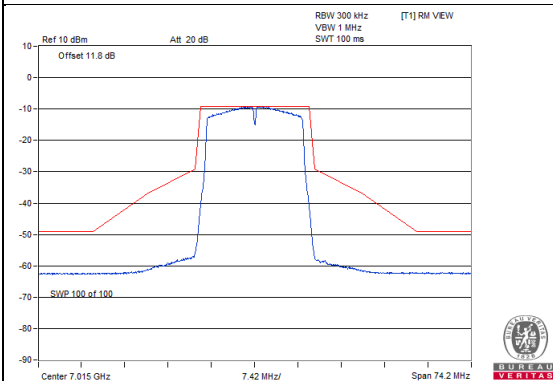
CH181



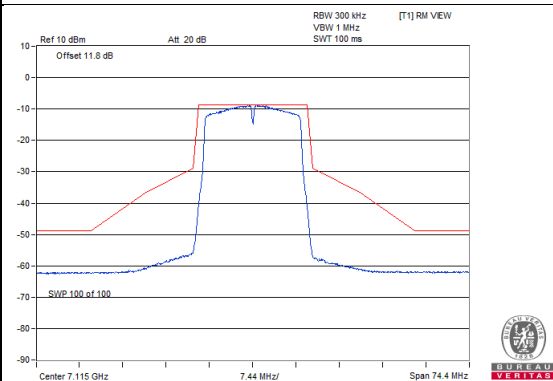
CH185



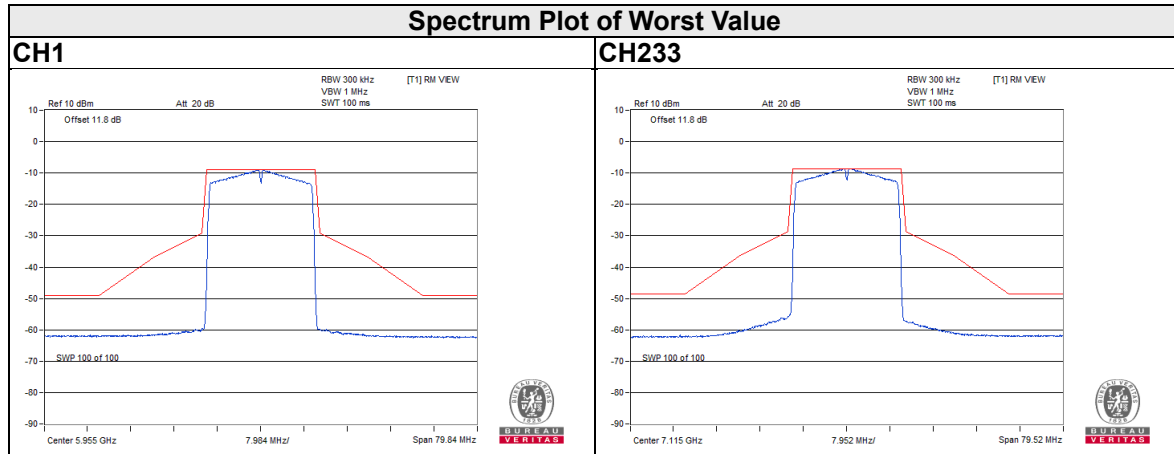
CH213



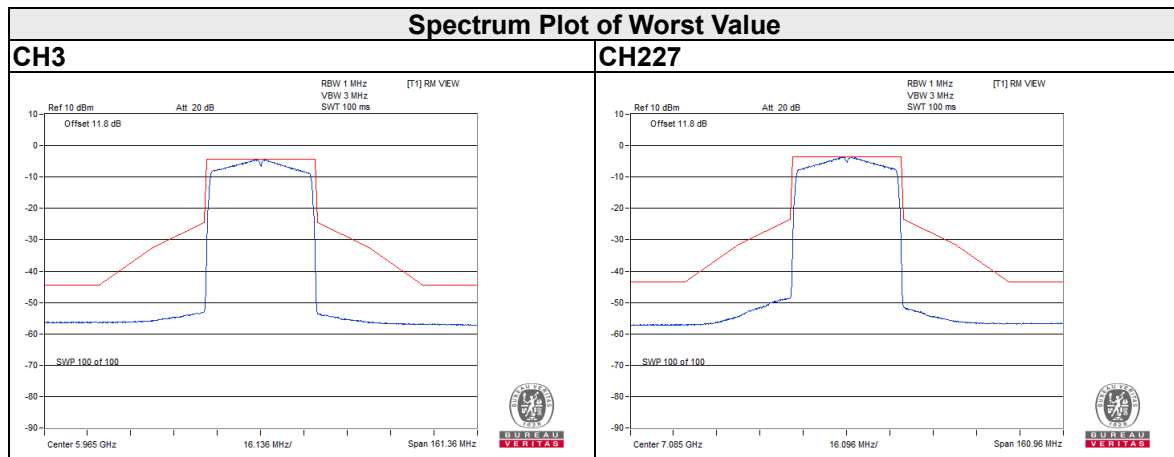
CH233



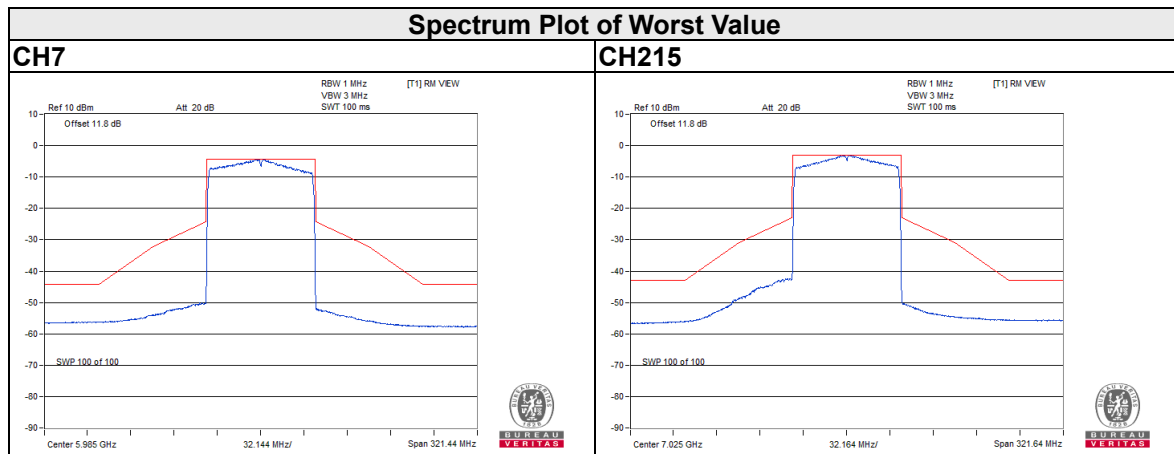
802.11ax (HE20)



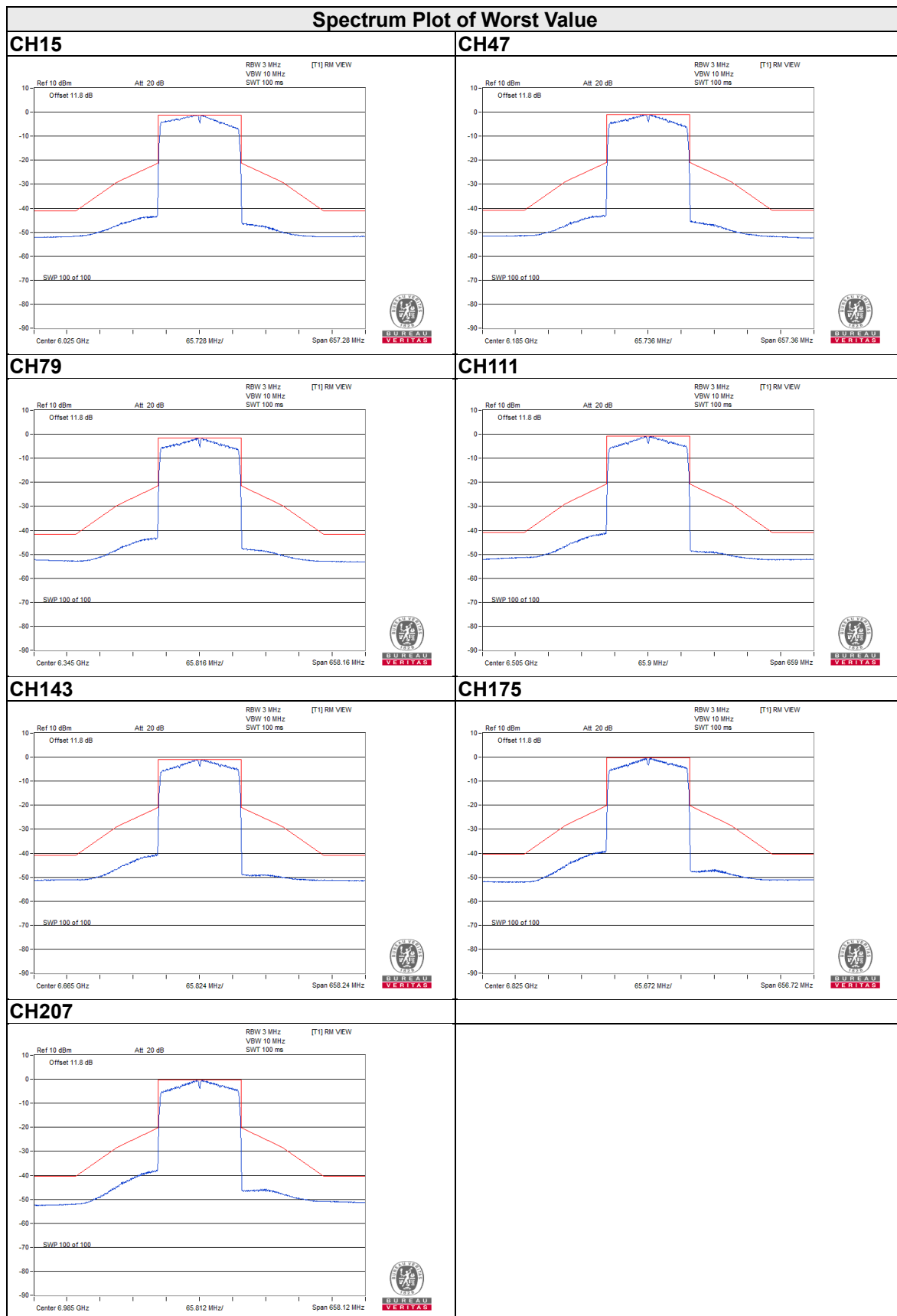
802.11ax (HE40)



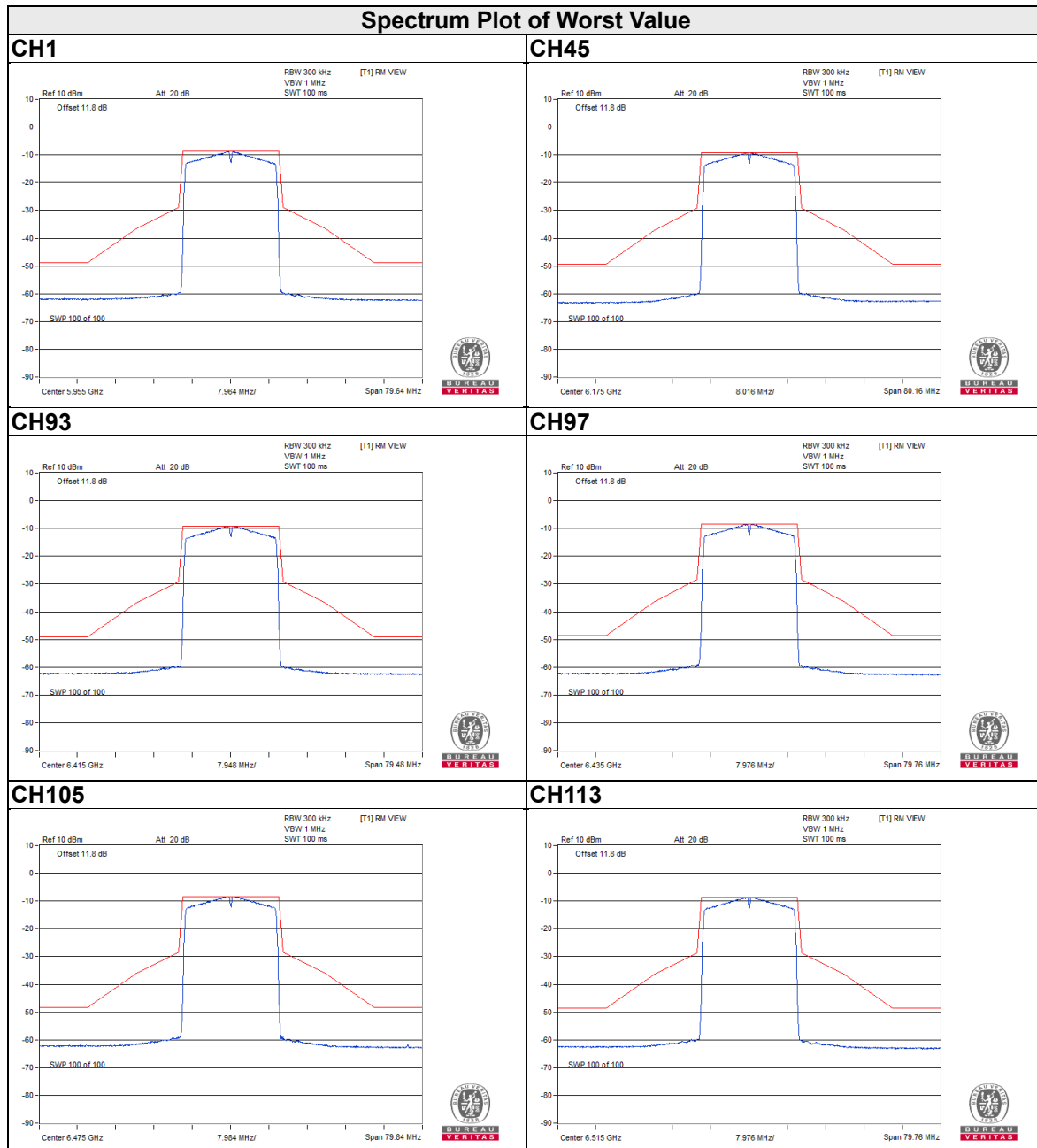
802.11ax (HE80)



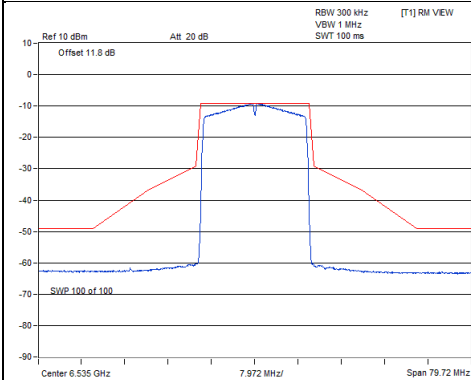
802.11ax (HE160)



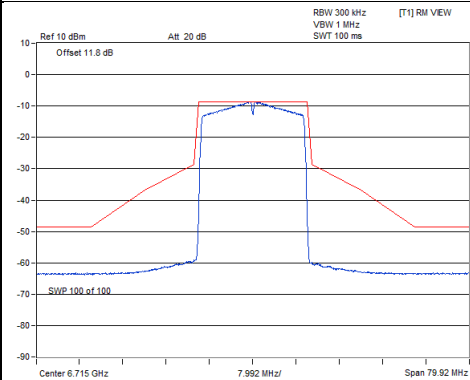
802.11be (EHT20)



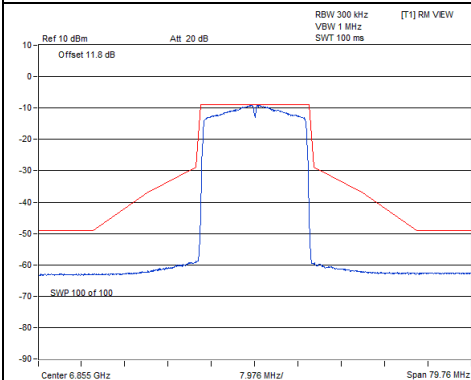
CH117



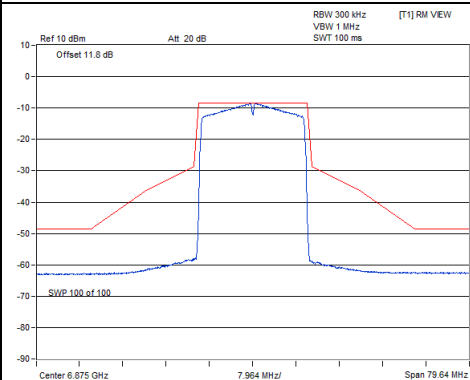
CH153



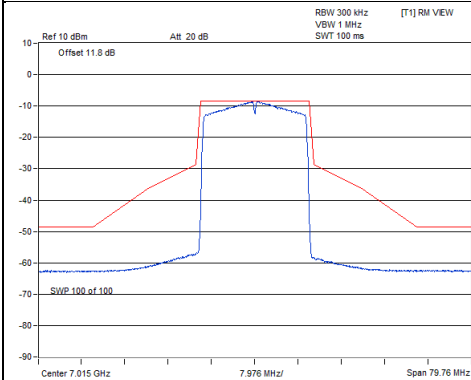
CH181



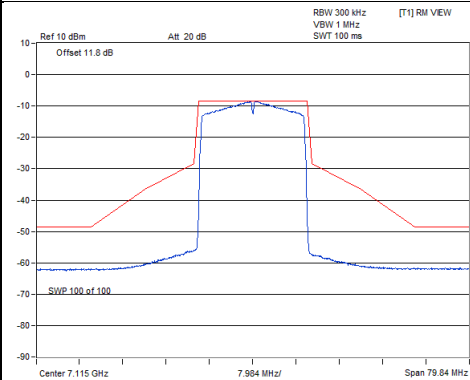
CH185



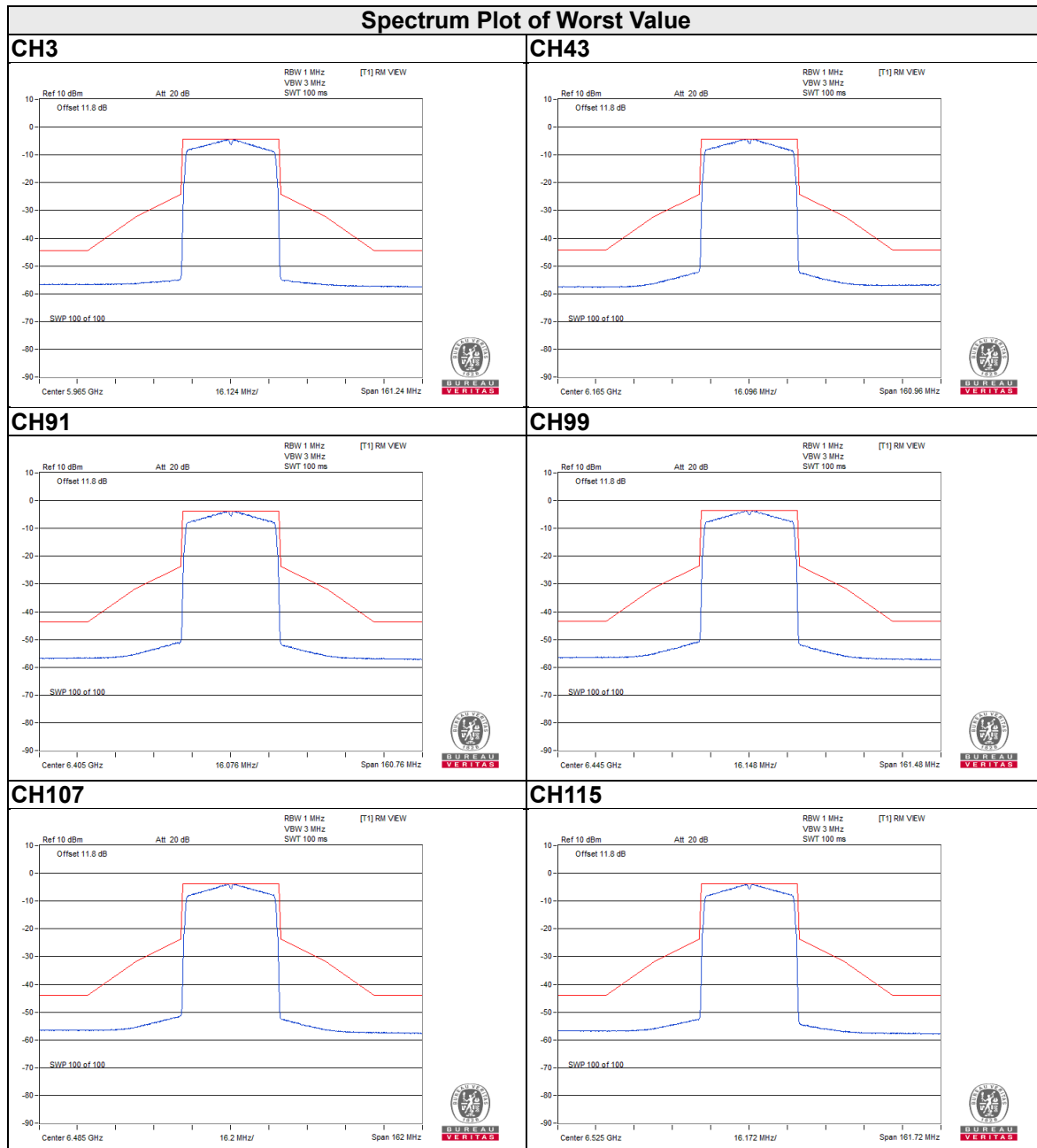
CH213



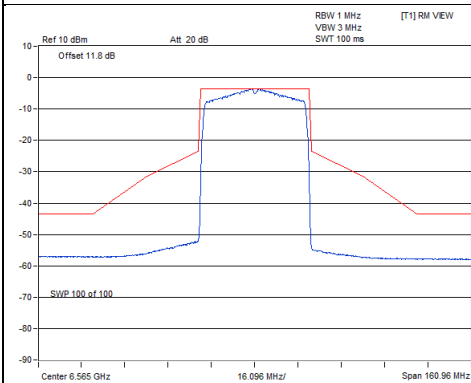
CH233



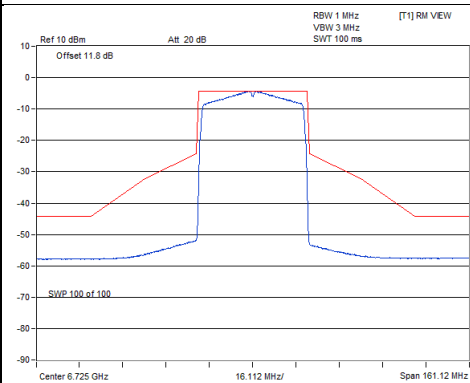
802.11be (EHT40)



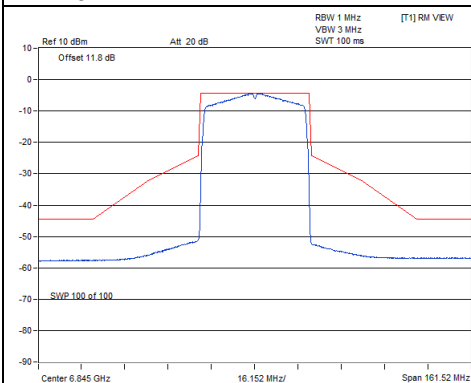
CH123



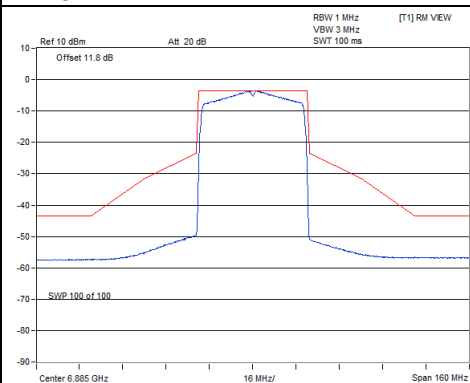
CH155



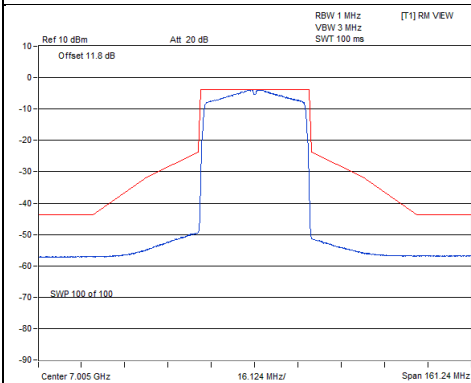
CH179



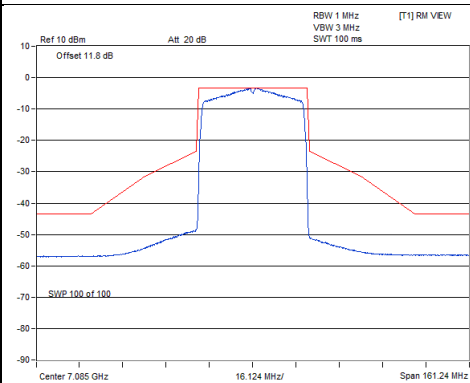
CH187



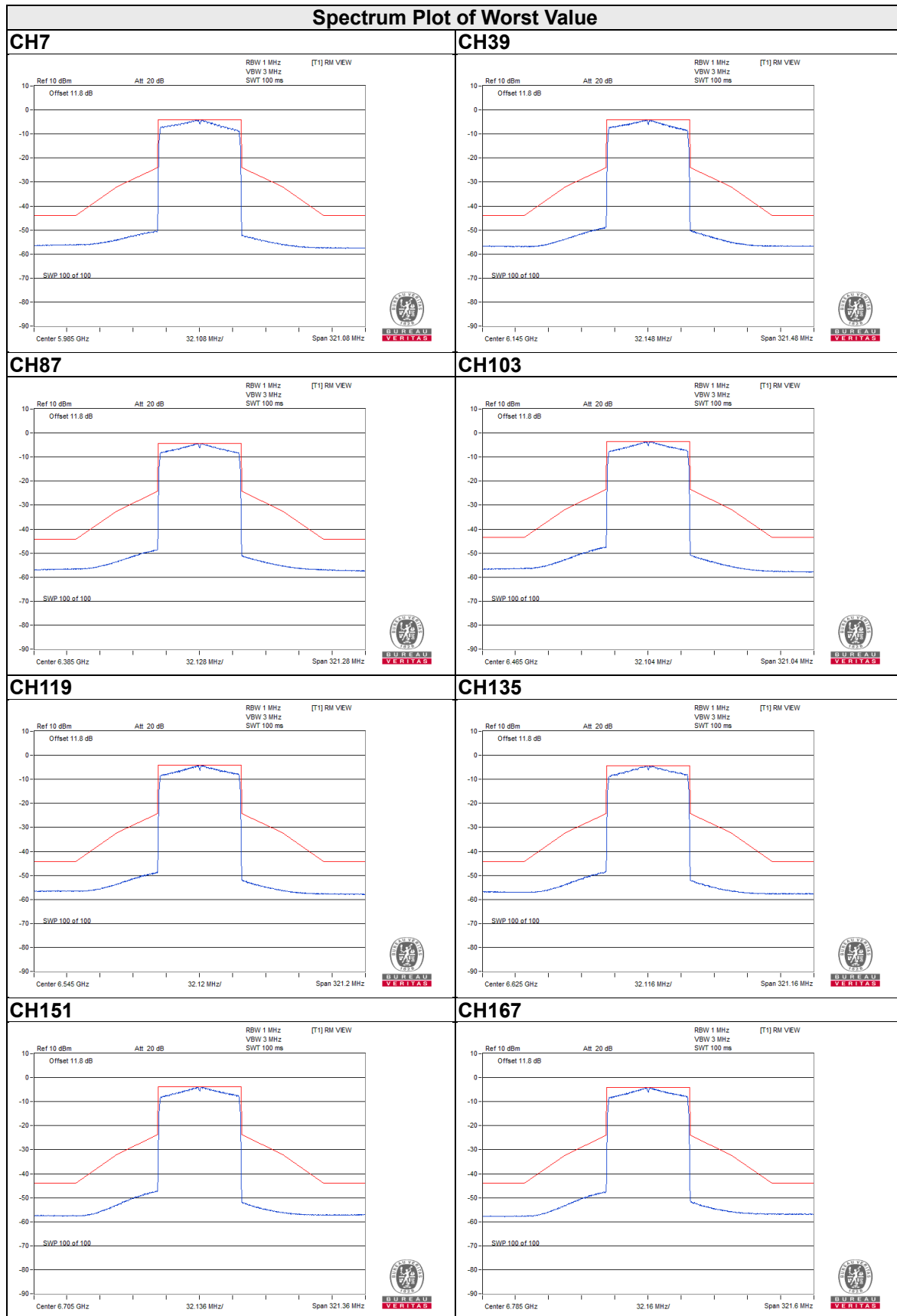
CH211



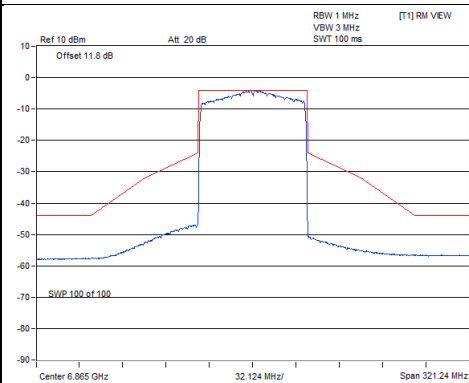
CH227



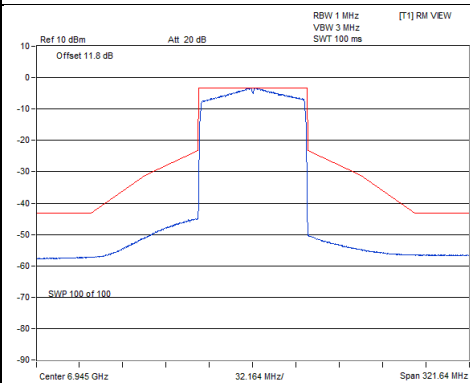
802.11be (EHT80)



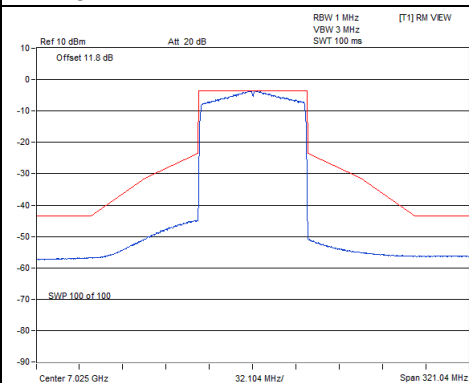
CH183



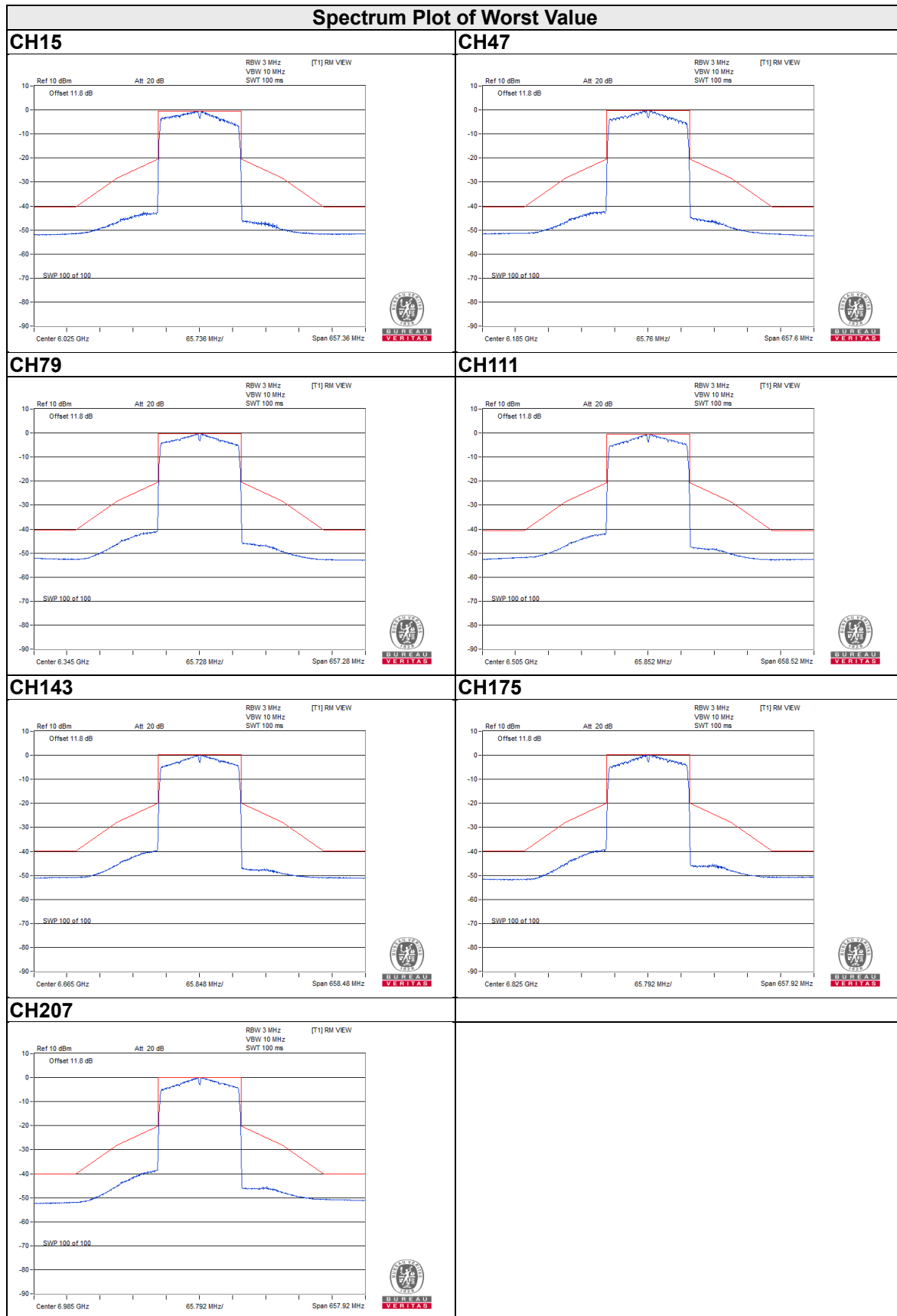
CH199



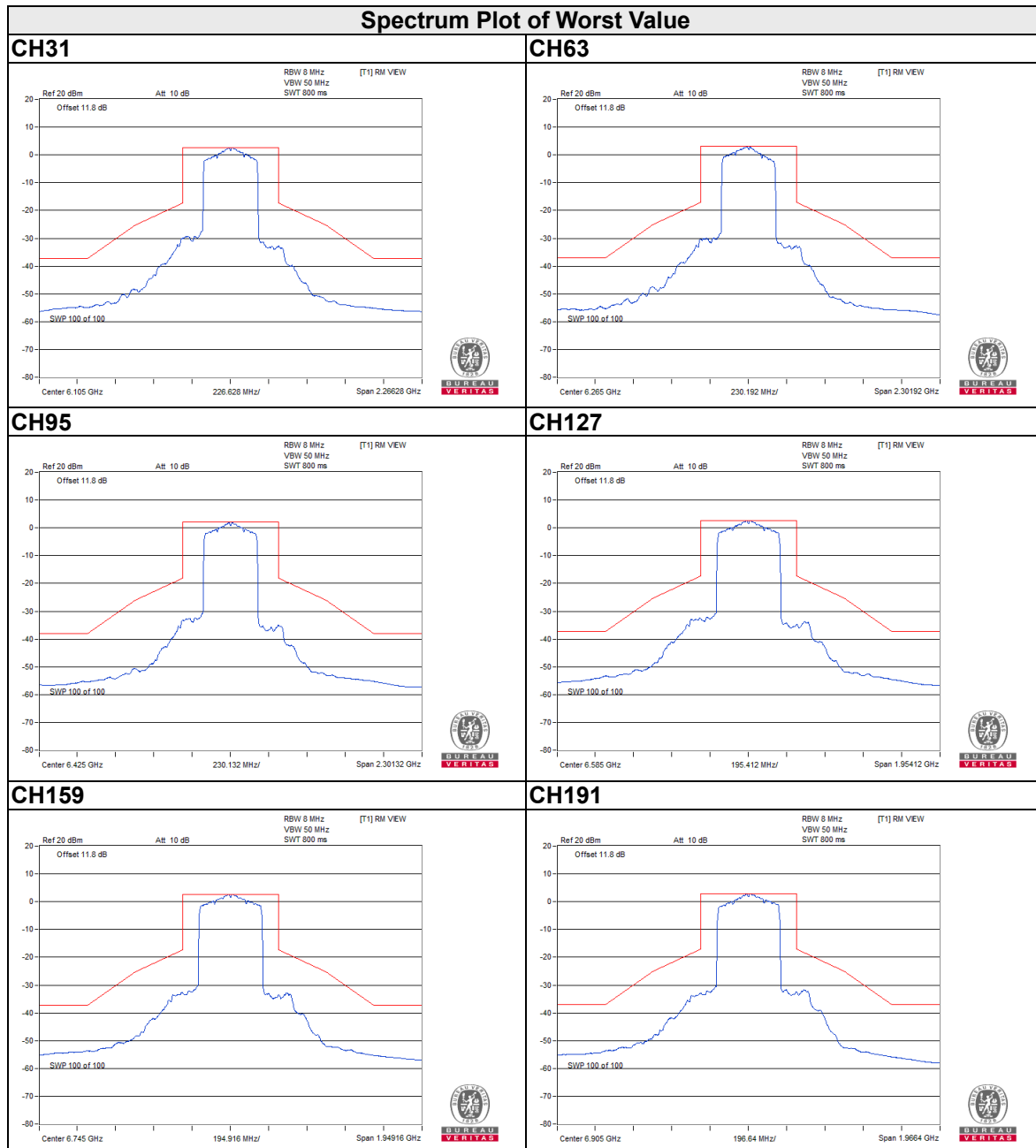
CH215



802.11be (EHT160)



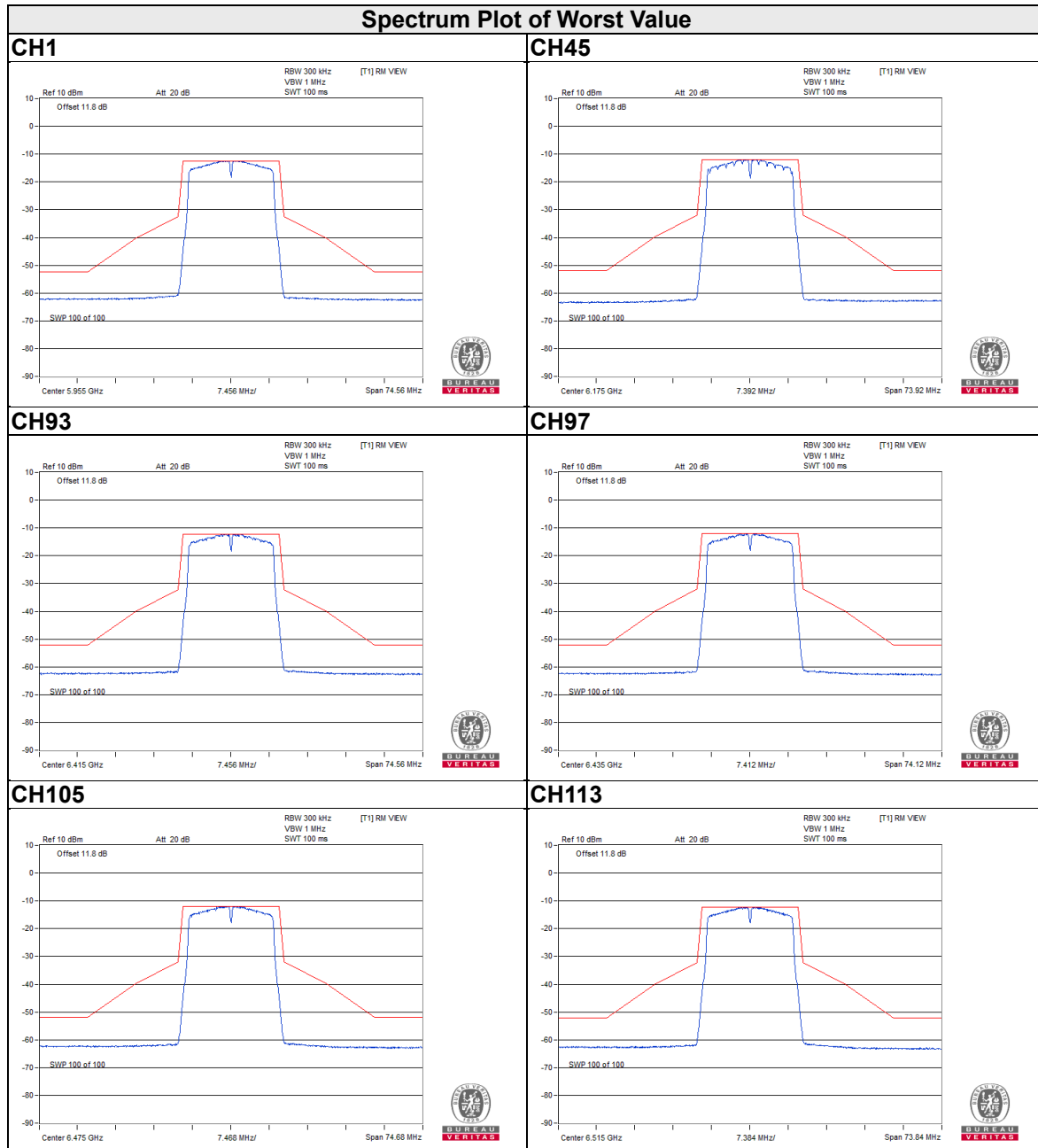
802.11be (EHT320)



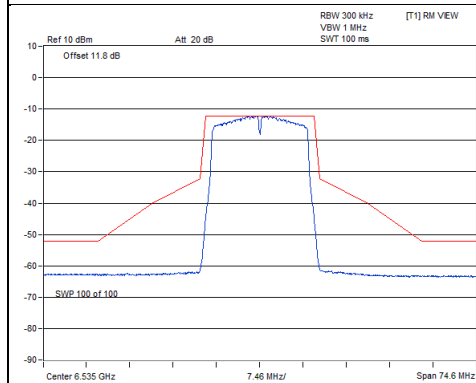
4.2.7 Test Results (Mode 2)

802.11a

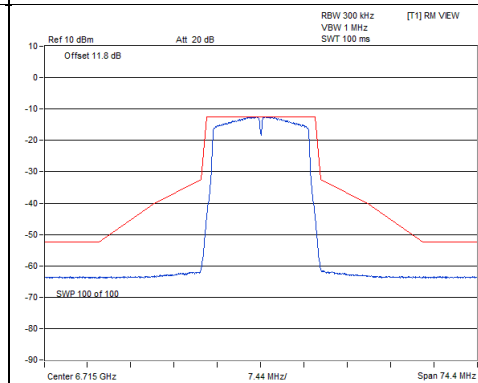
Chain 0



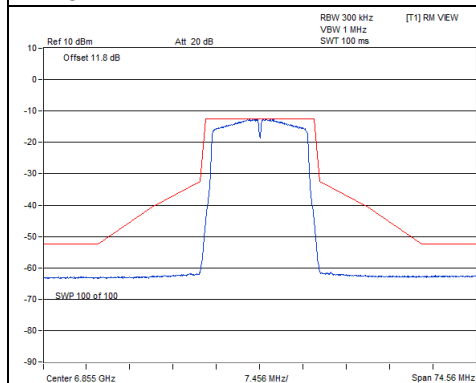
CH117



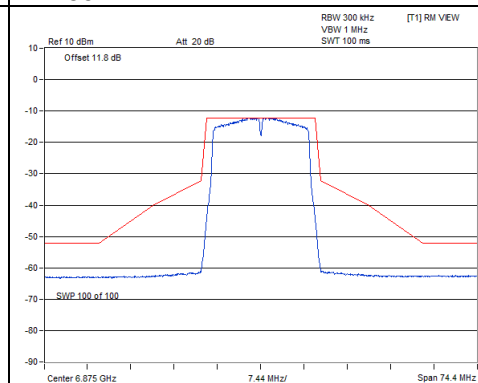
CH153



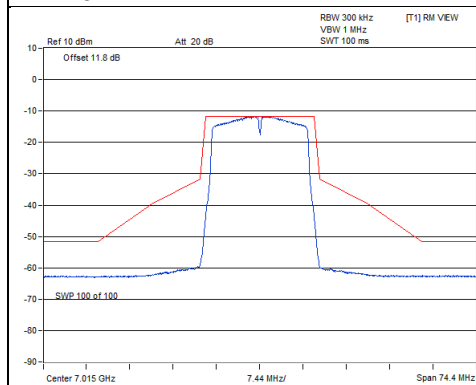
CH181



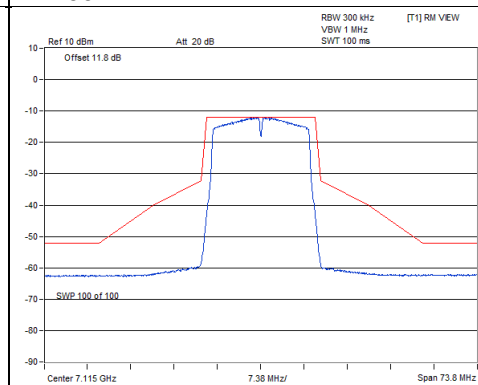
CH185



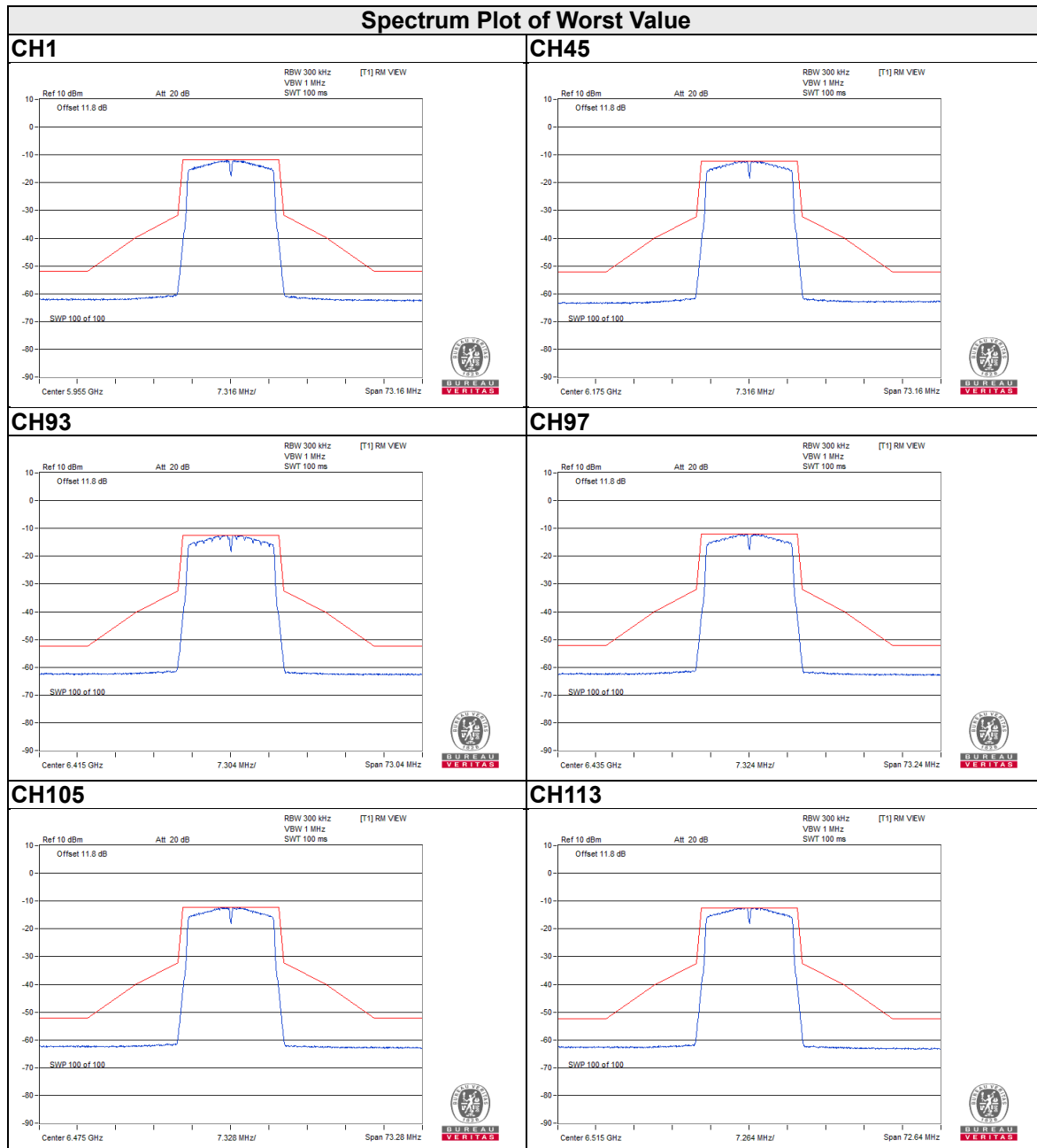
CH213



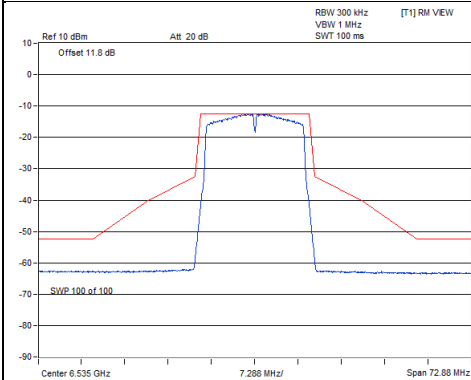
CH233



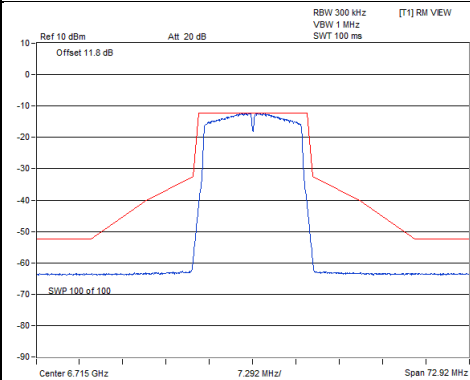
Chain 1



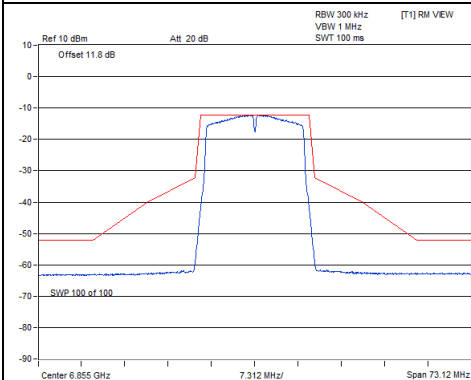
CH117



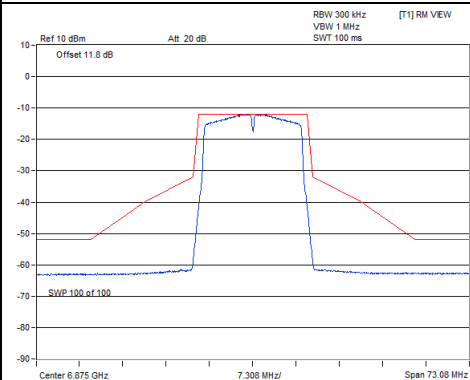
CH153



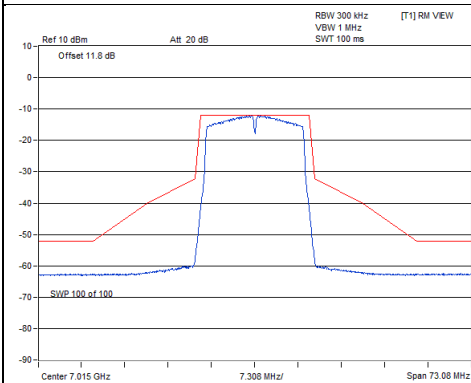
CH181



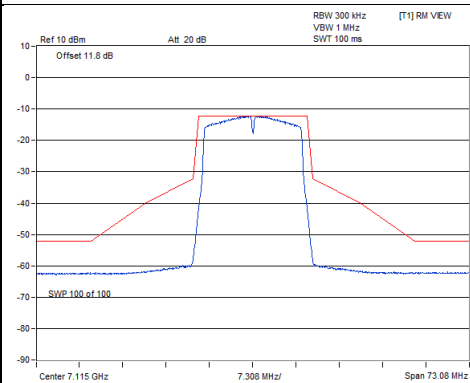
CH185



CH213

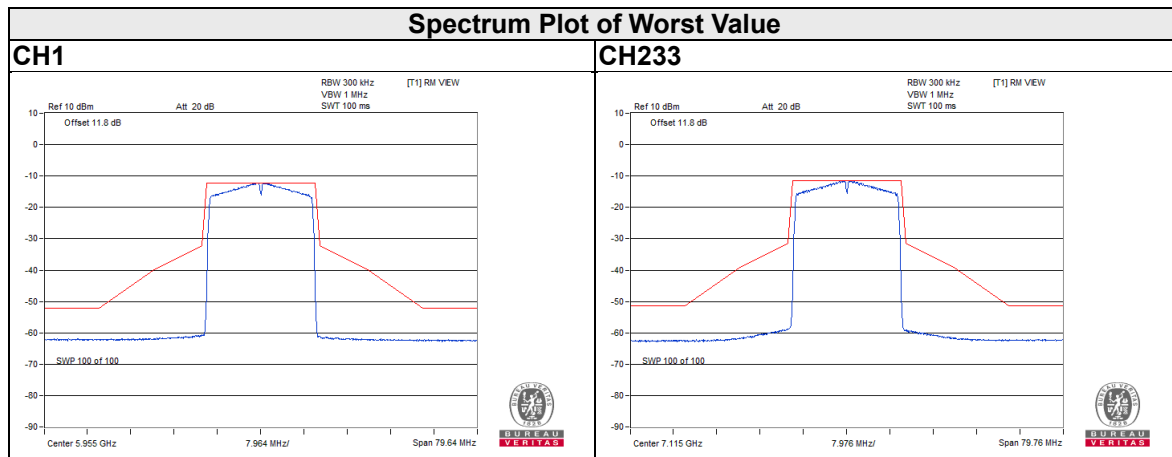


CH233

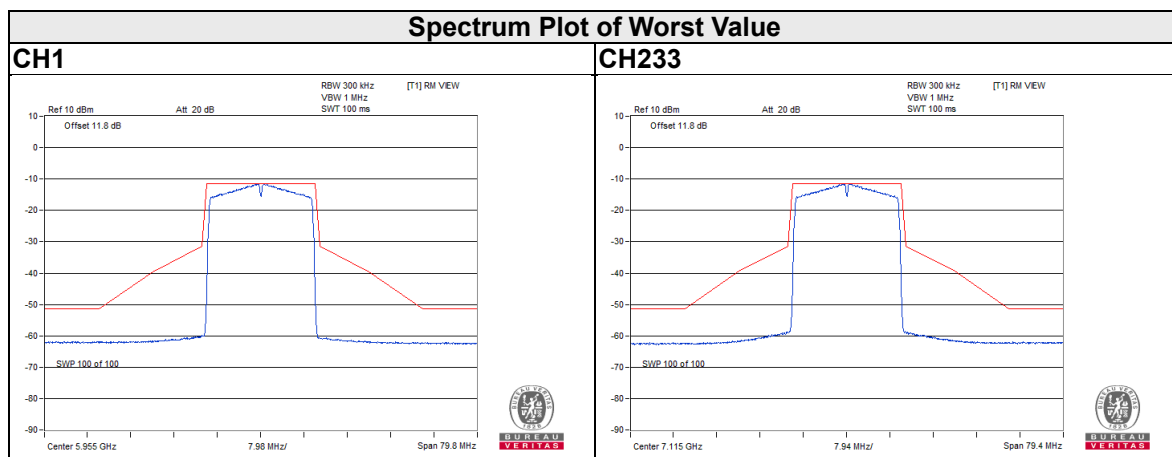


802.11ax (HE20)

Chain 0

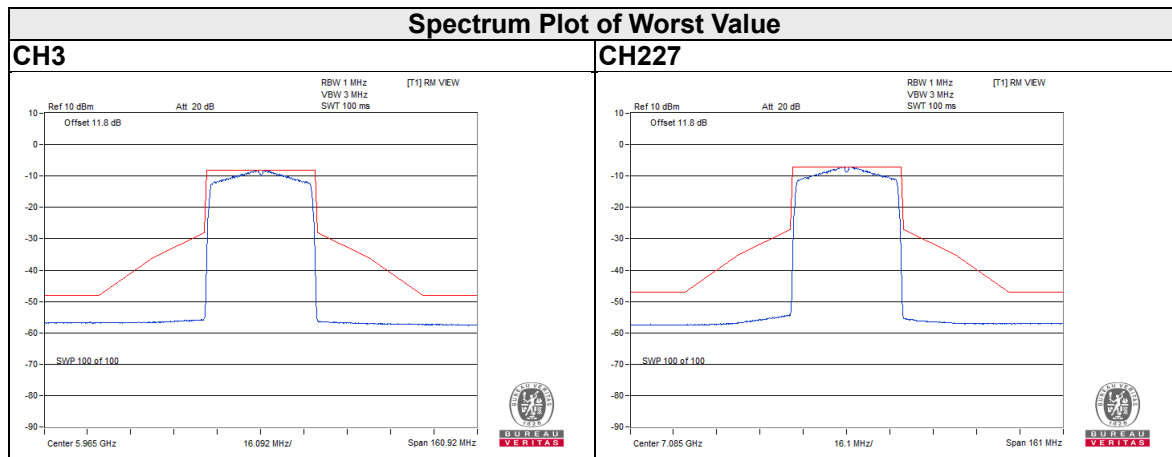


Chain 1

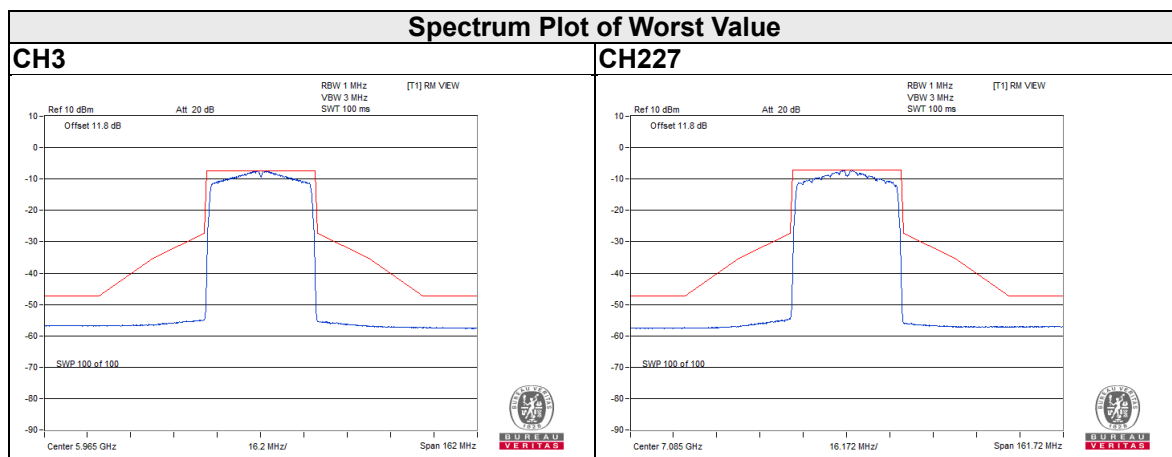


802.11ax (HE40)

Chain 0

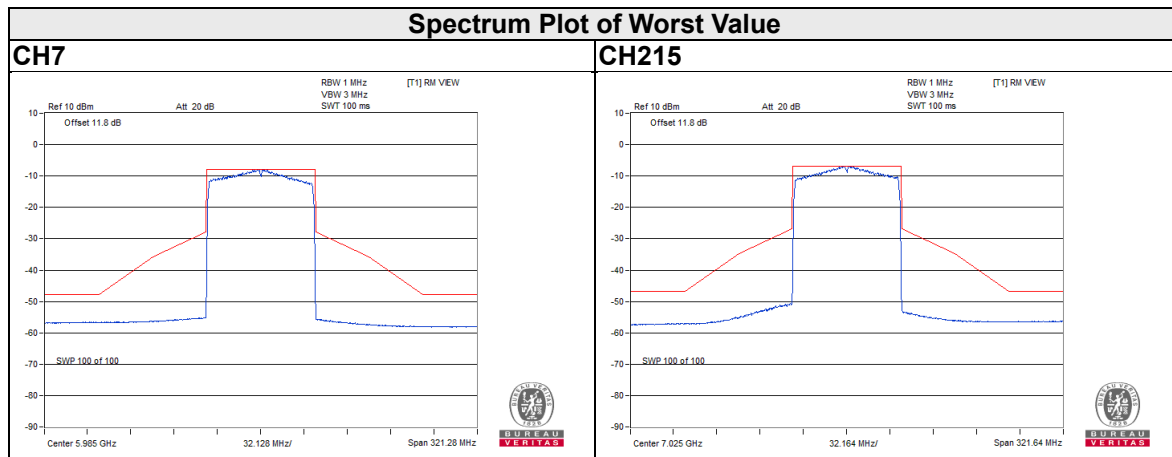


Chain 1

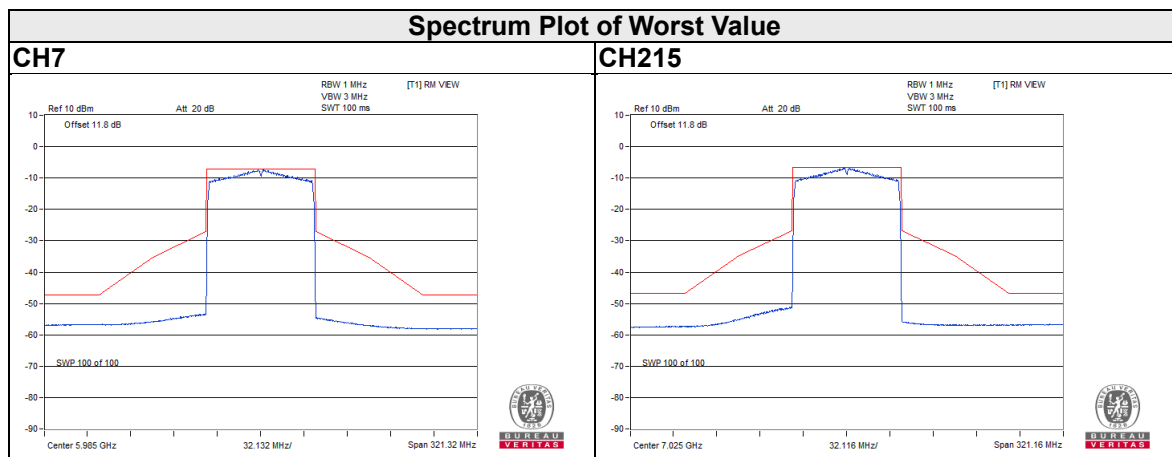


802.11ax (HE80)

Chain 0



Chain 1

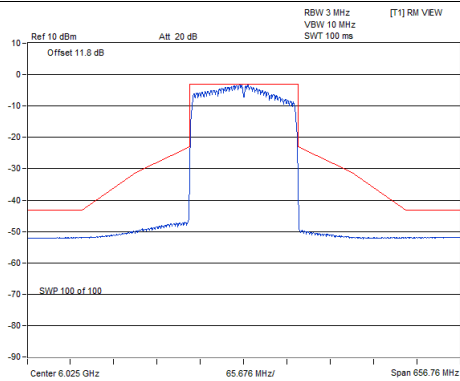


802.11ax (HE160)

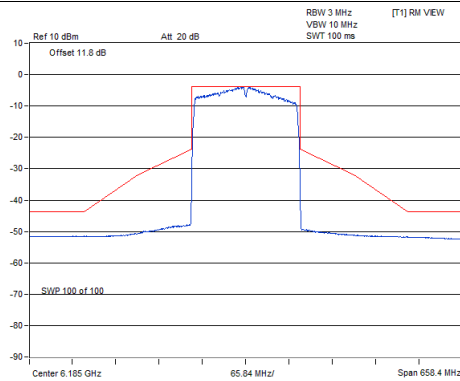
Chain 0

Spectrum Plot of Worst Value

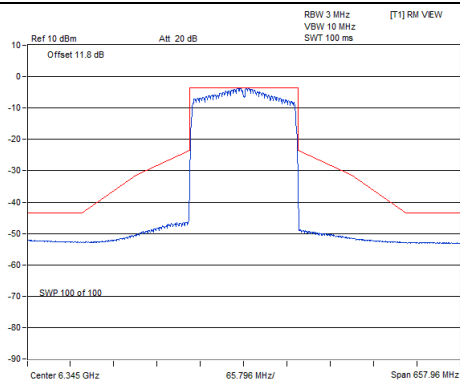
CH15



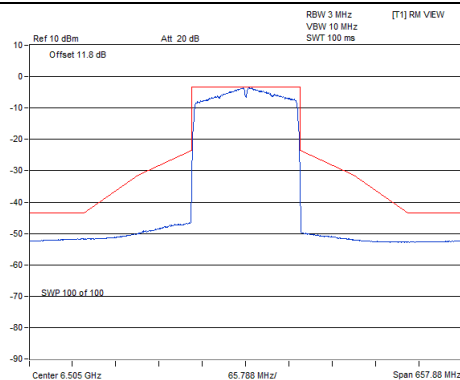
CH47



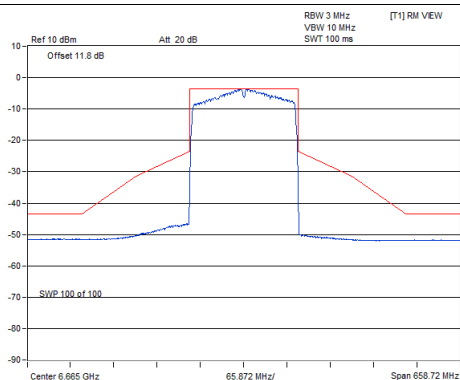
CH79



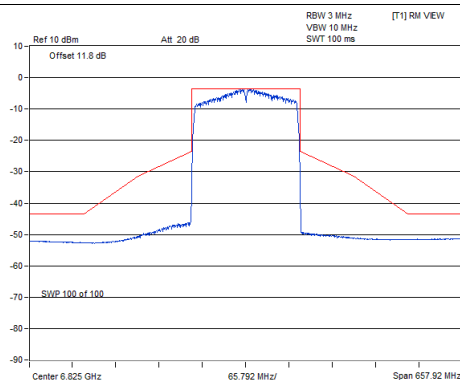
CH111



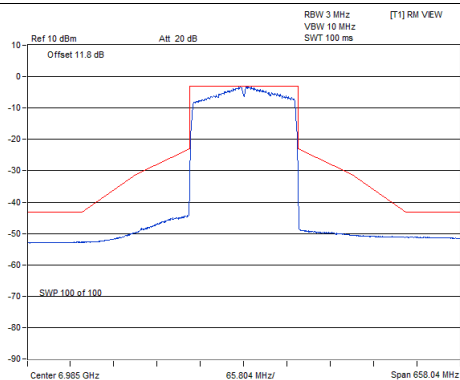
CH143



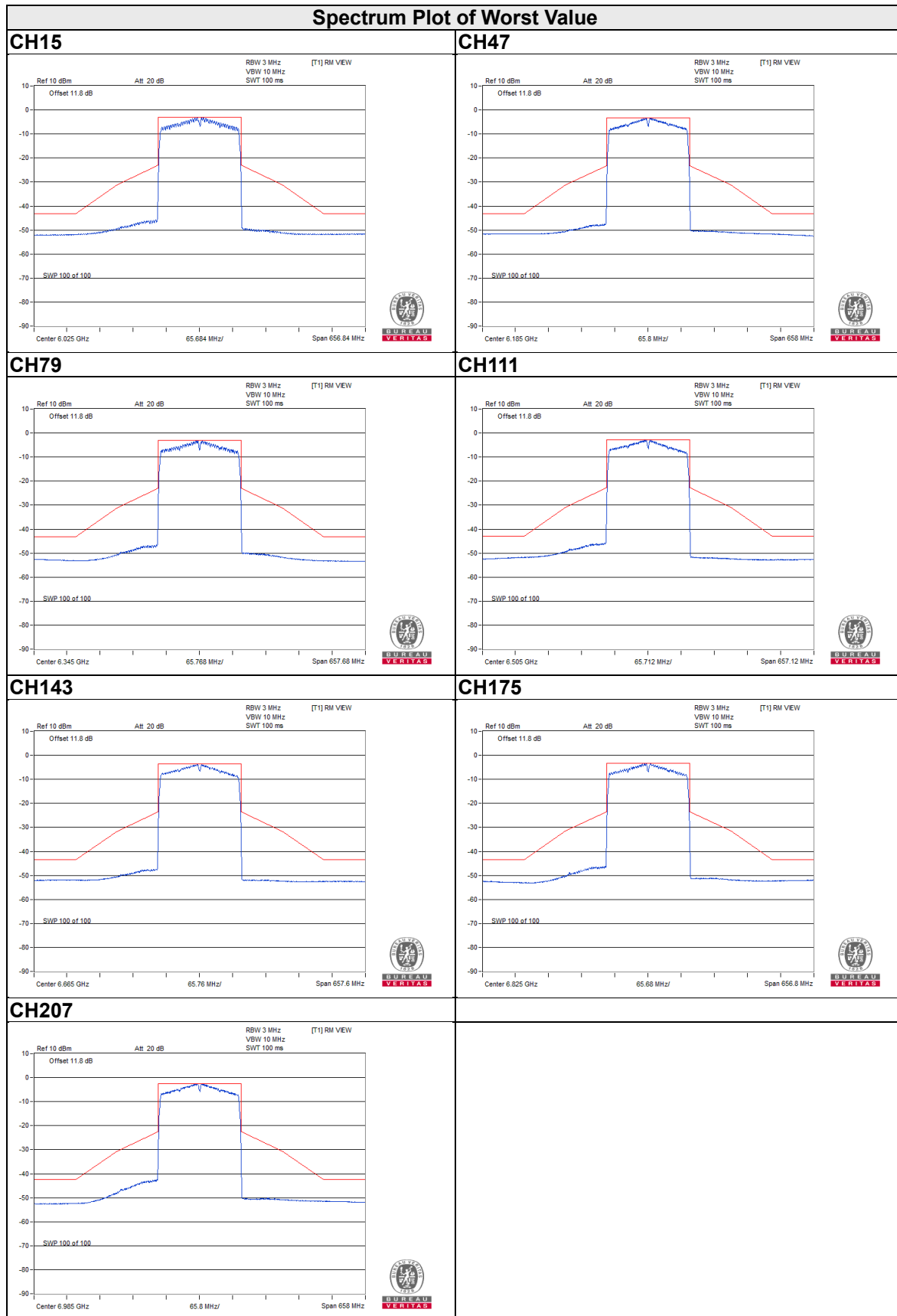
CH175



CH207

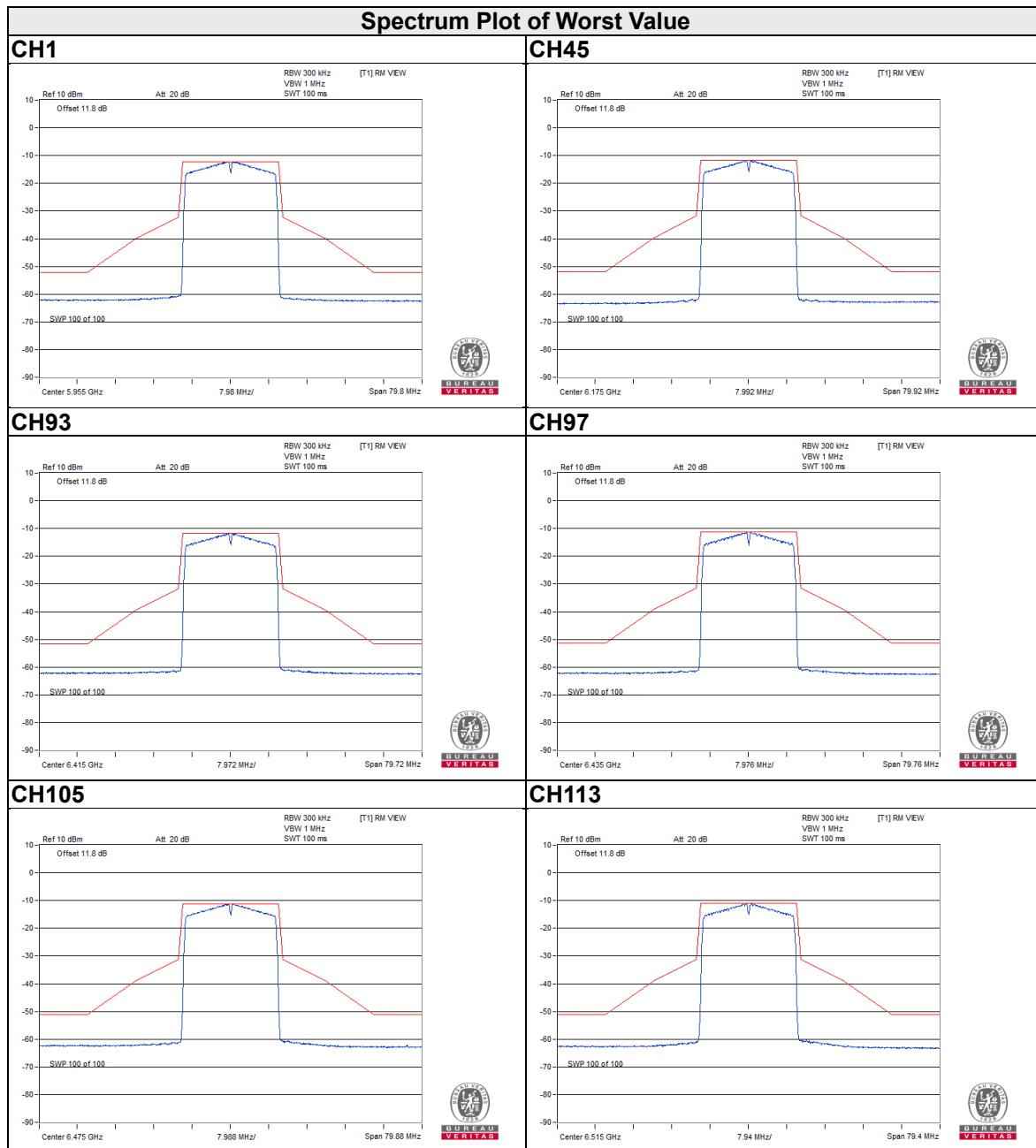


Chain 1

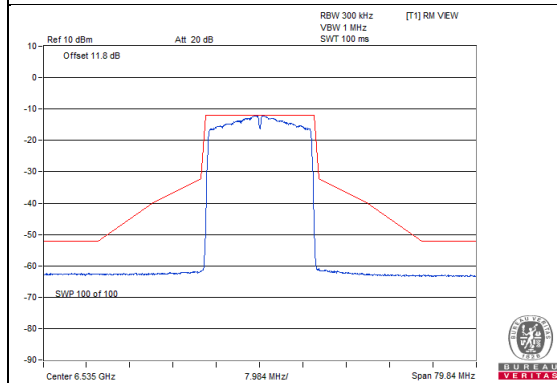


802.11be (EHT20)

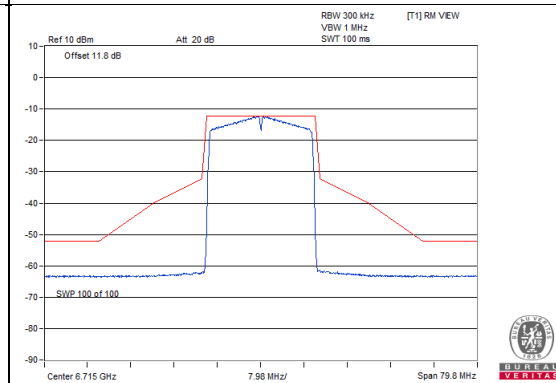
Chain 0



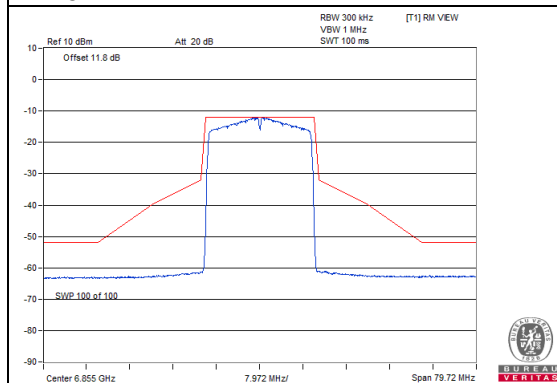
CH117



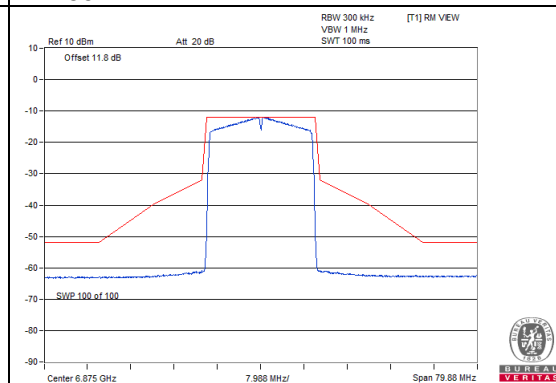
CH153



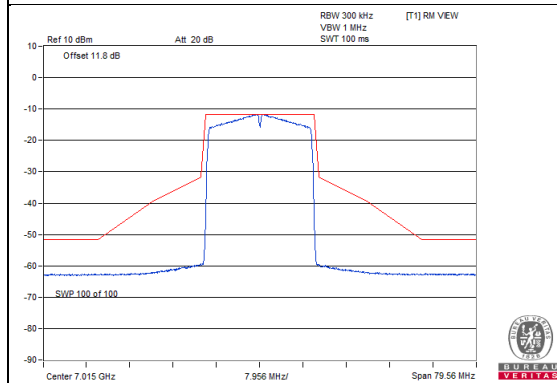
CH181



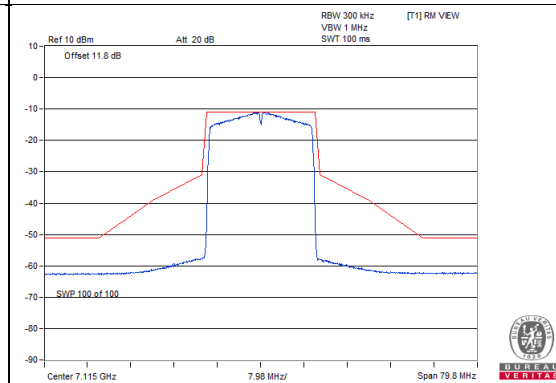
CH185



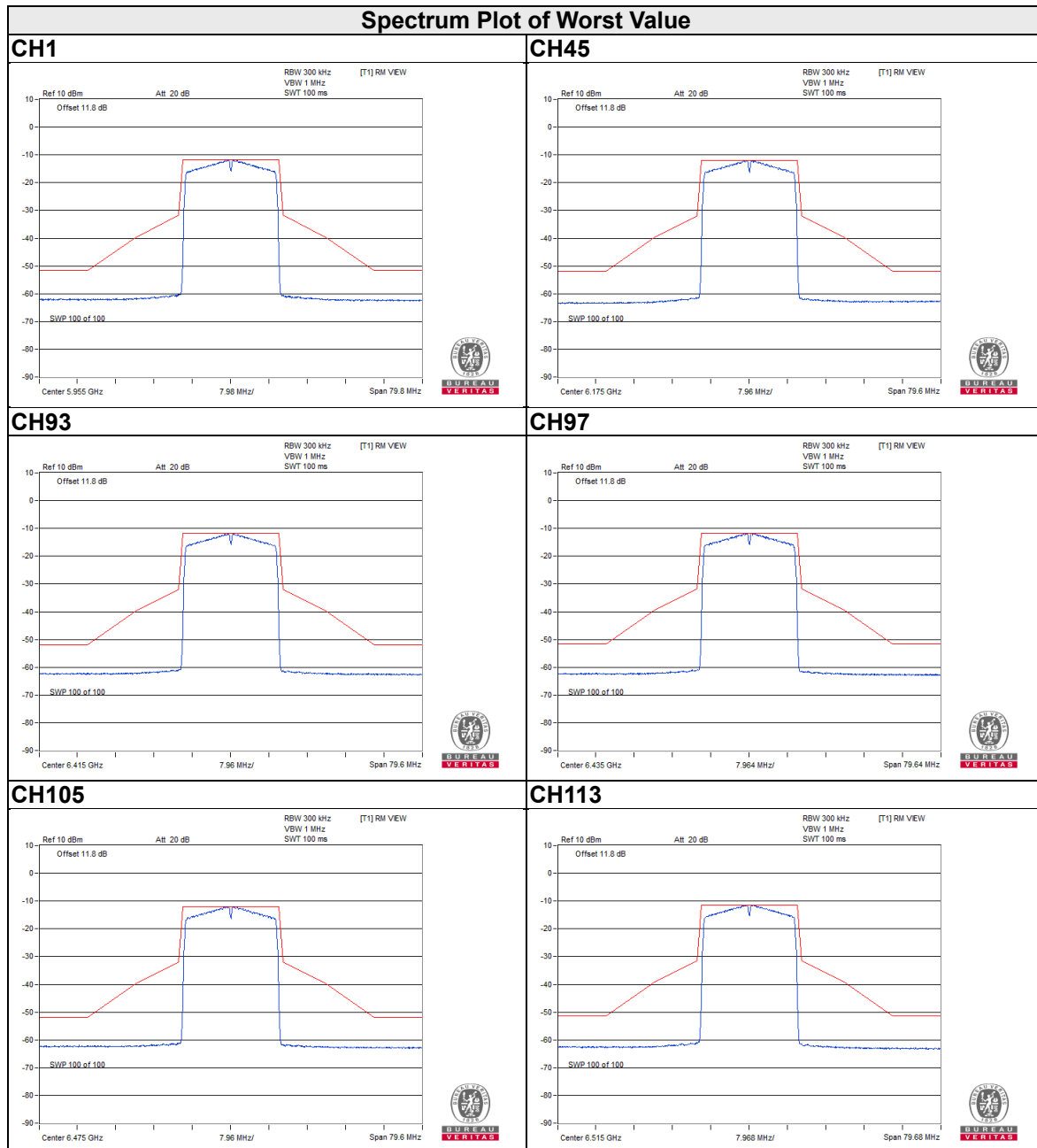
CH213



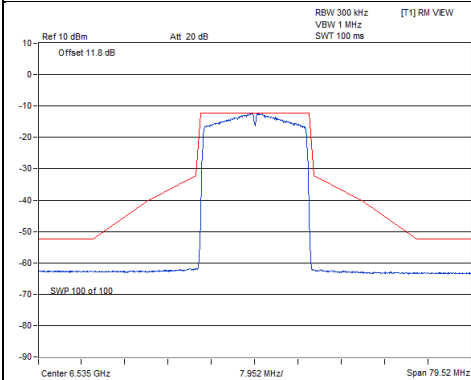
CH233



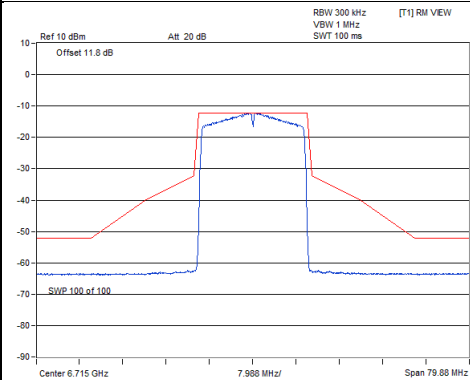
Chain 1



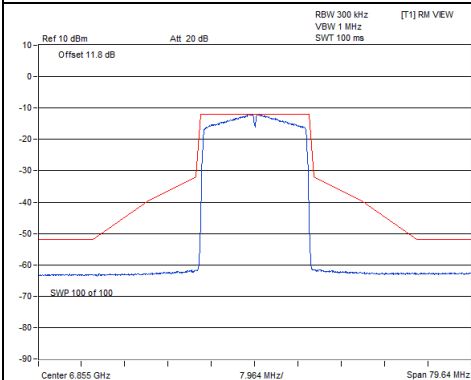
CH117



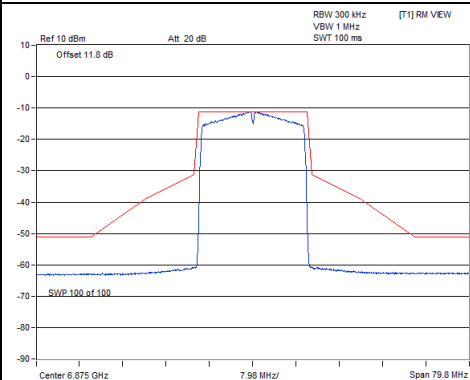
CH153



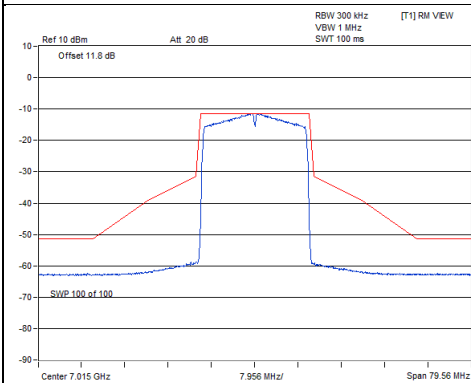
CH181



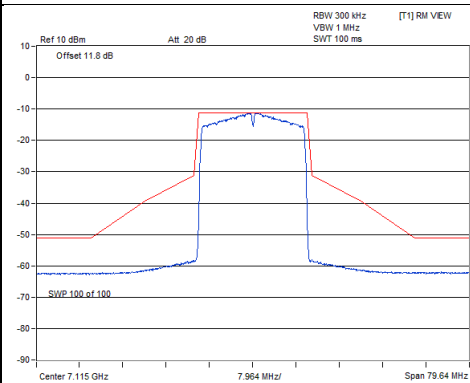
CH185



CH213

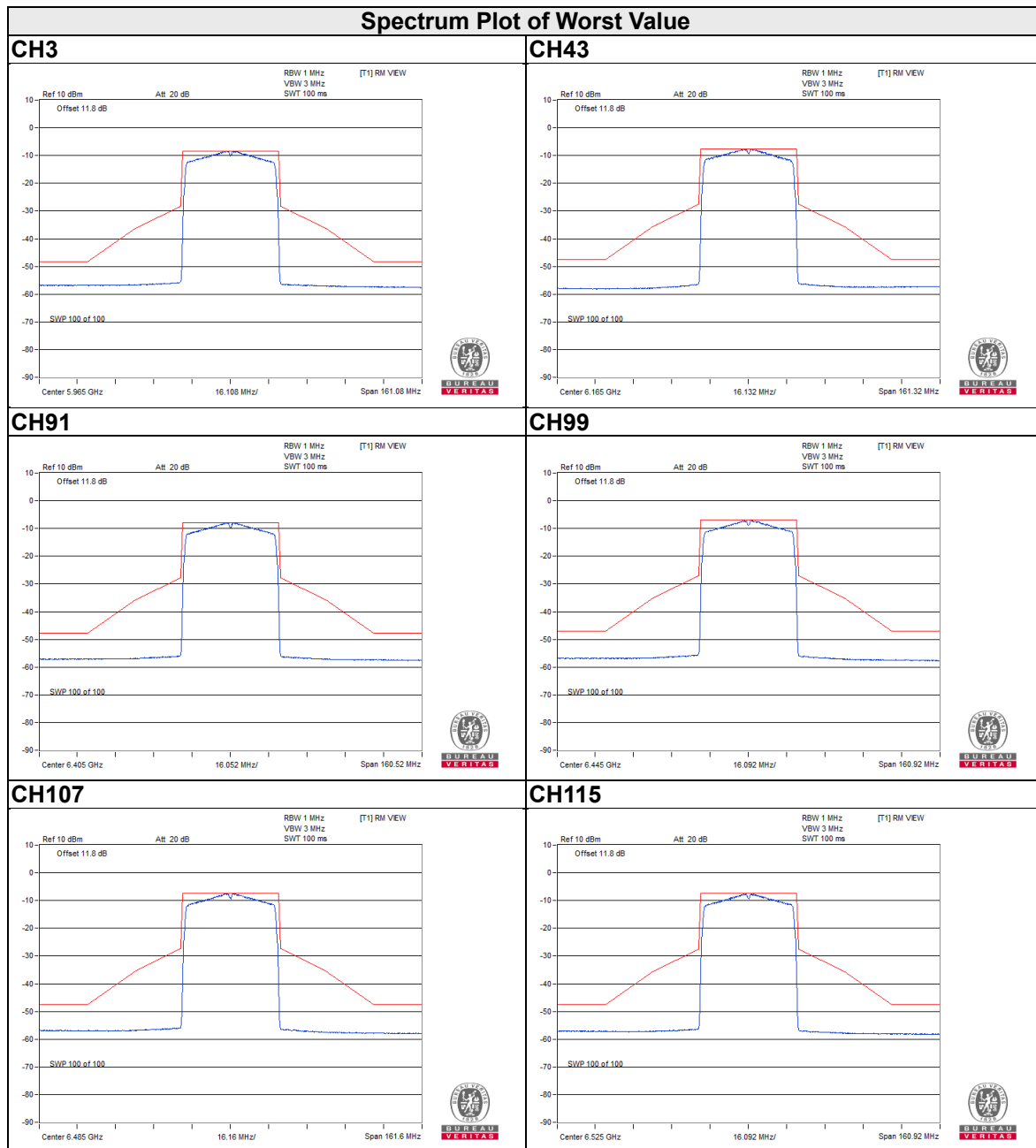


CH233

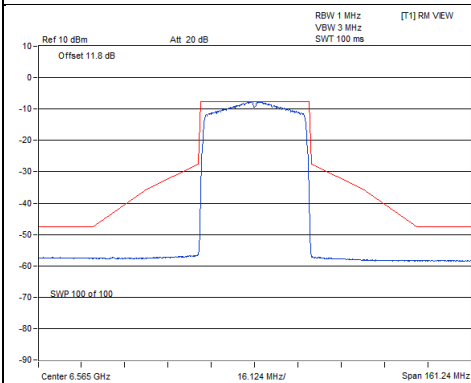


802.11be (EHT40)

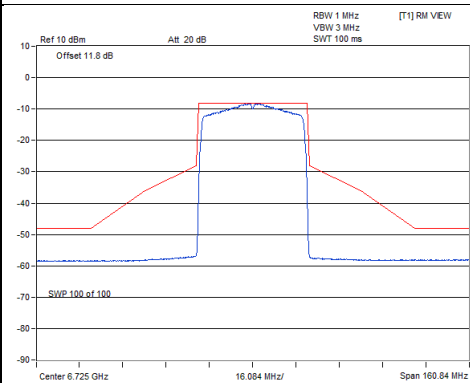
Chain 0



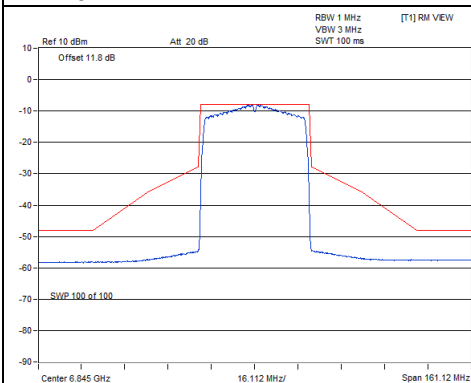
CH123



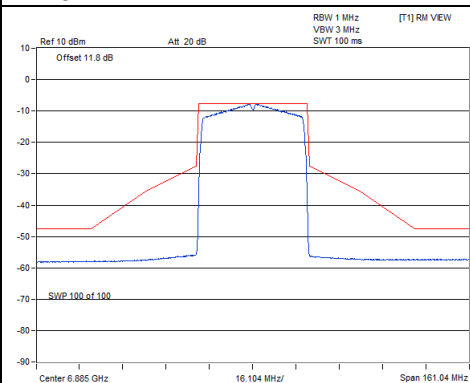
CH155



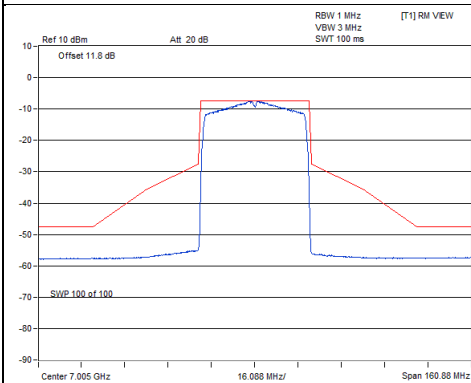
CH179



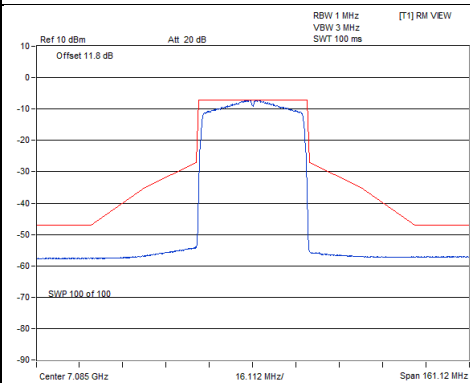
CH187



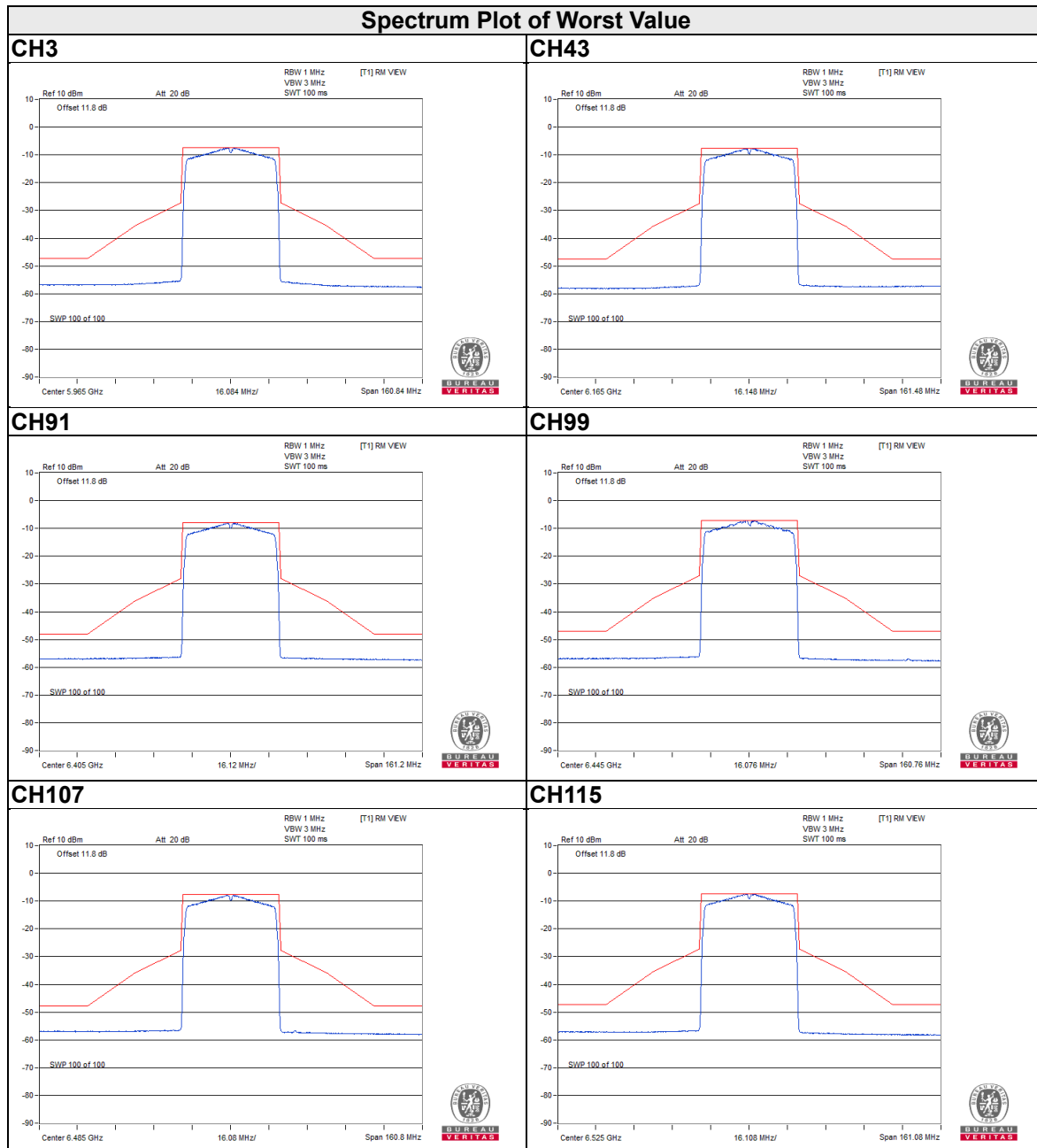
CH211



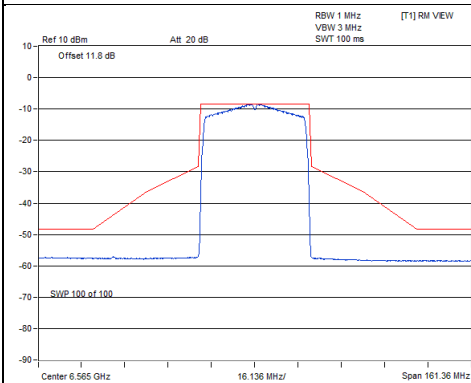
CH227



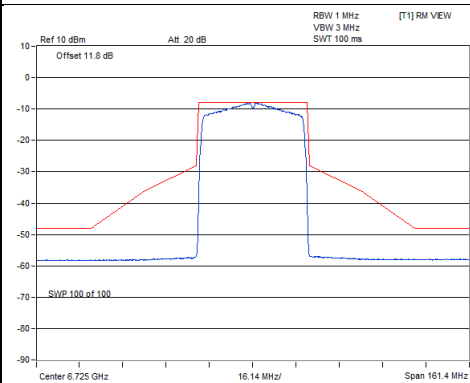
Chain 1



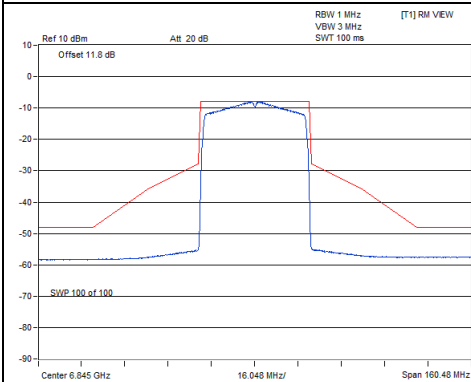
CH123



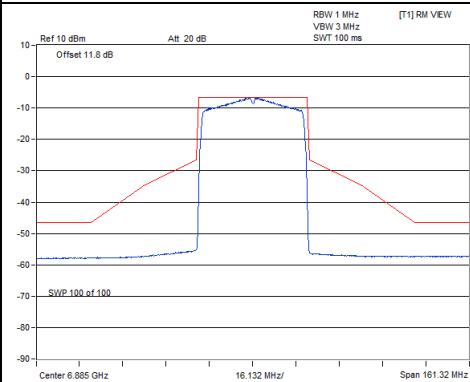
CH155



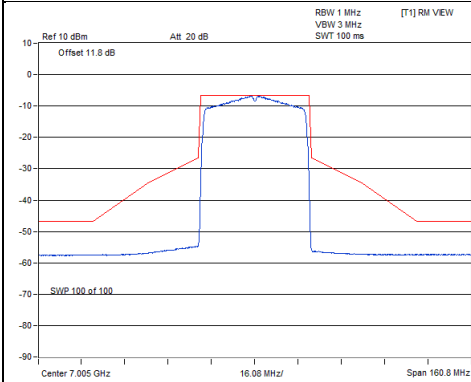
CH179



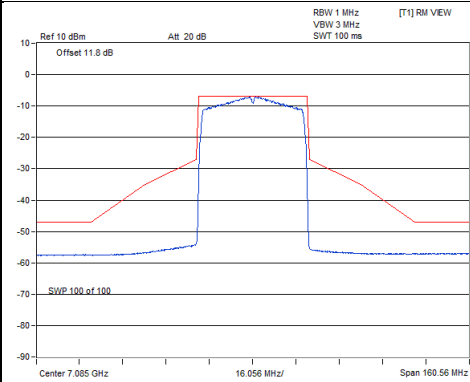
CH187



CH211

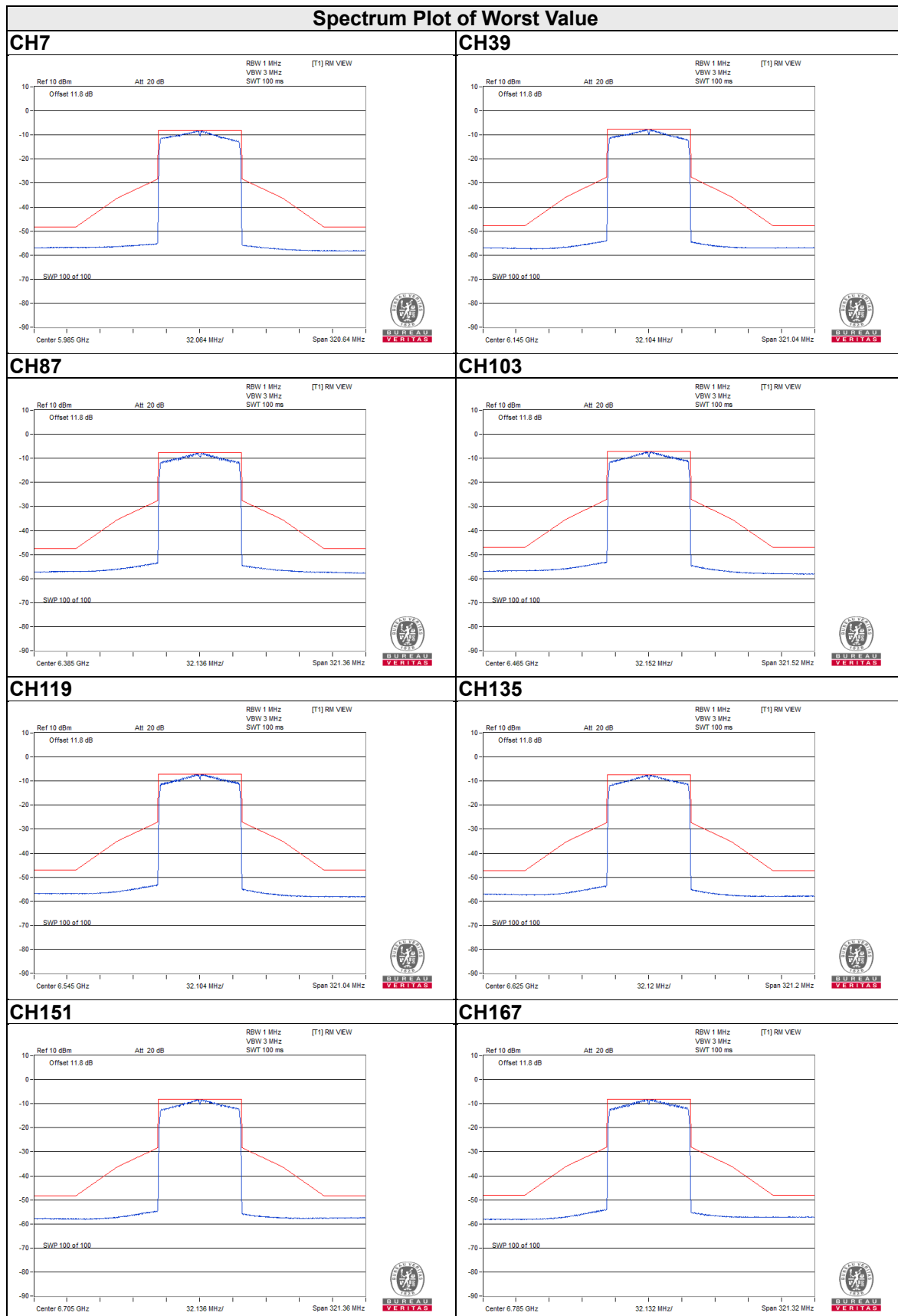


CH227

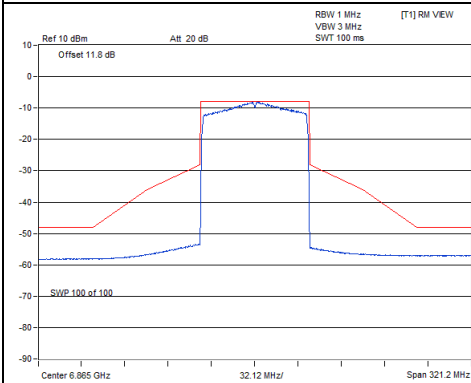


802.11be (EHT80)

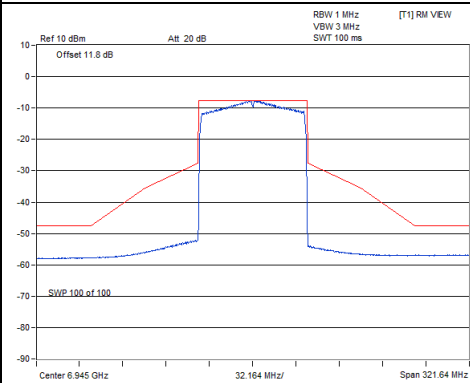
Chain 0



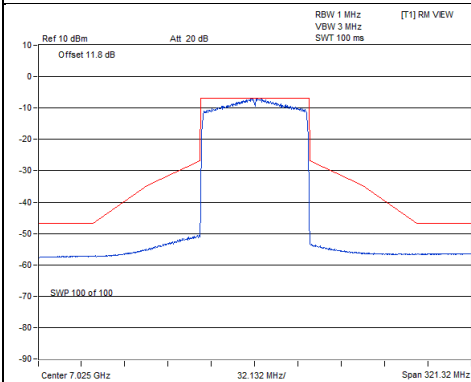
CH183



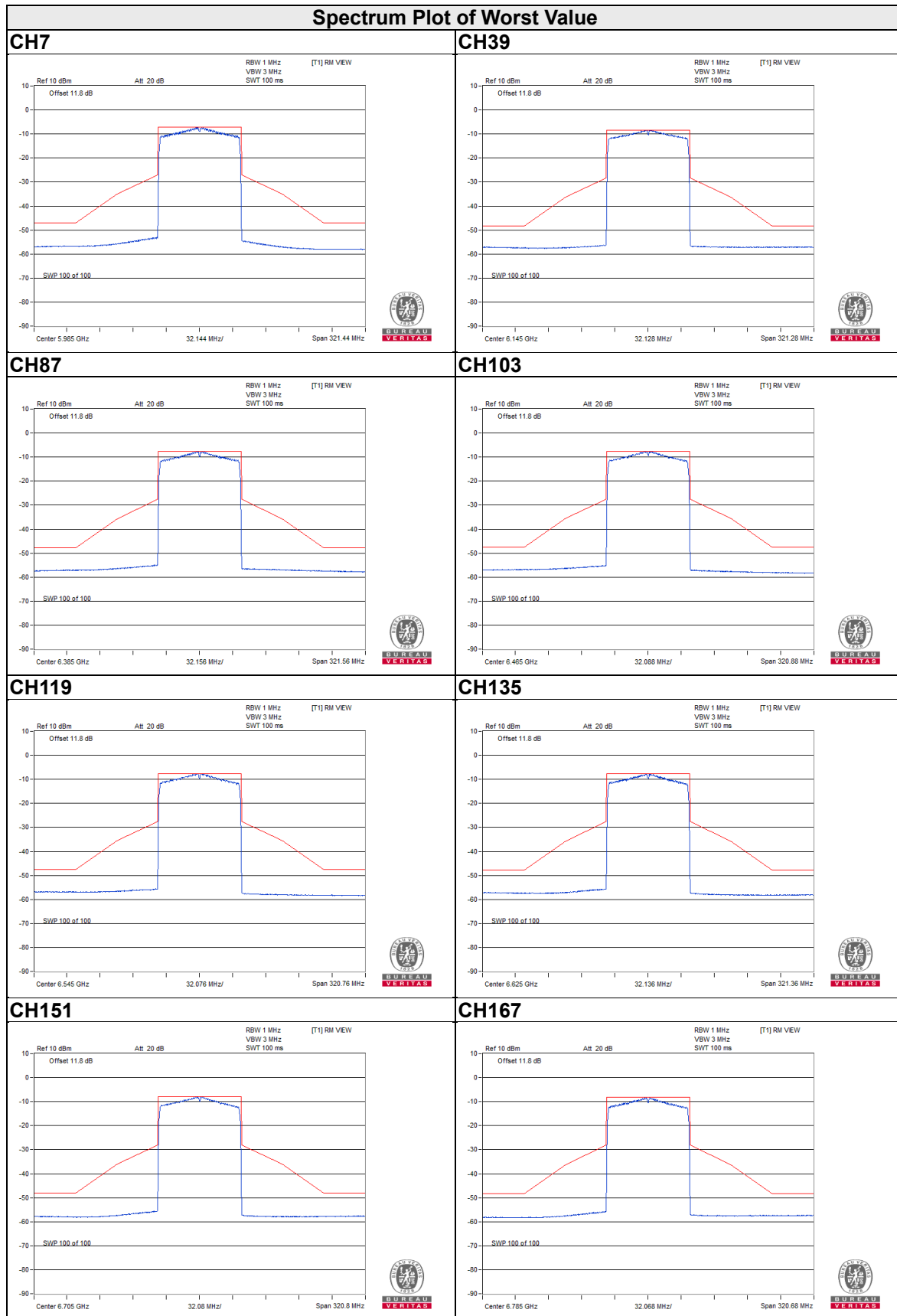
CH199



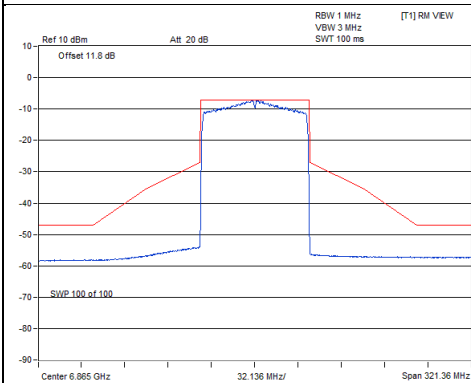
CH215



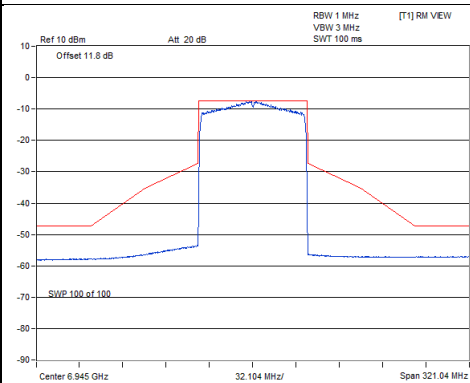
Chain 1



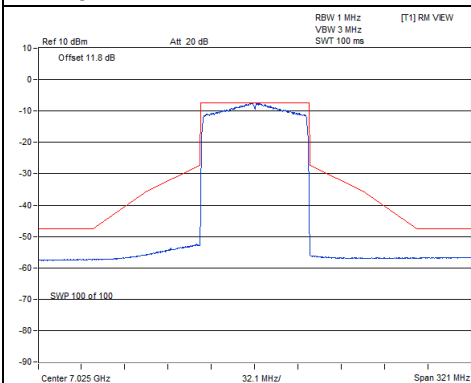
CH183



CH199

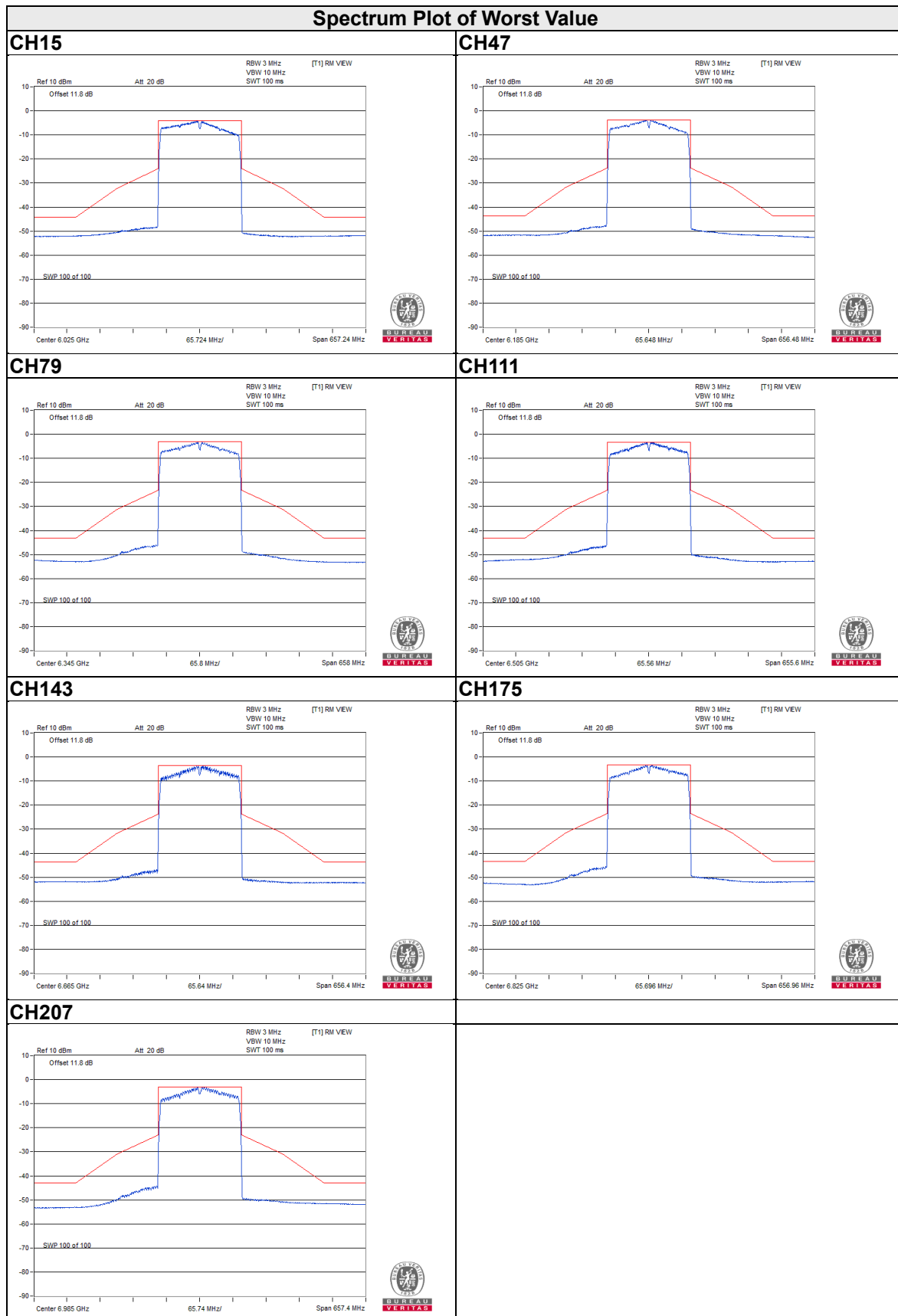


CH215

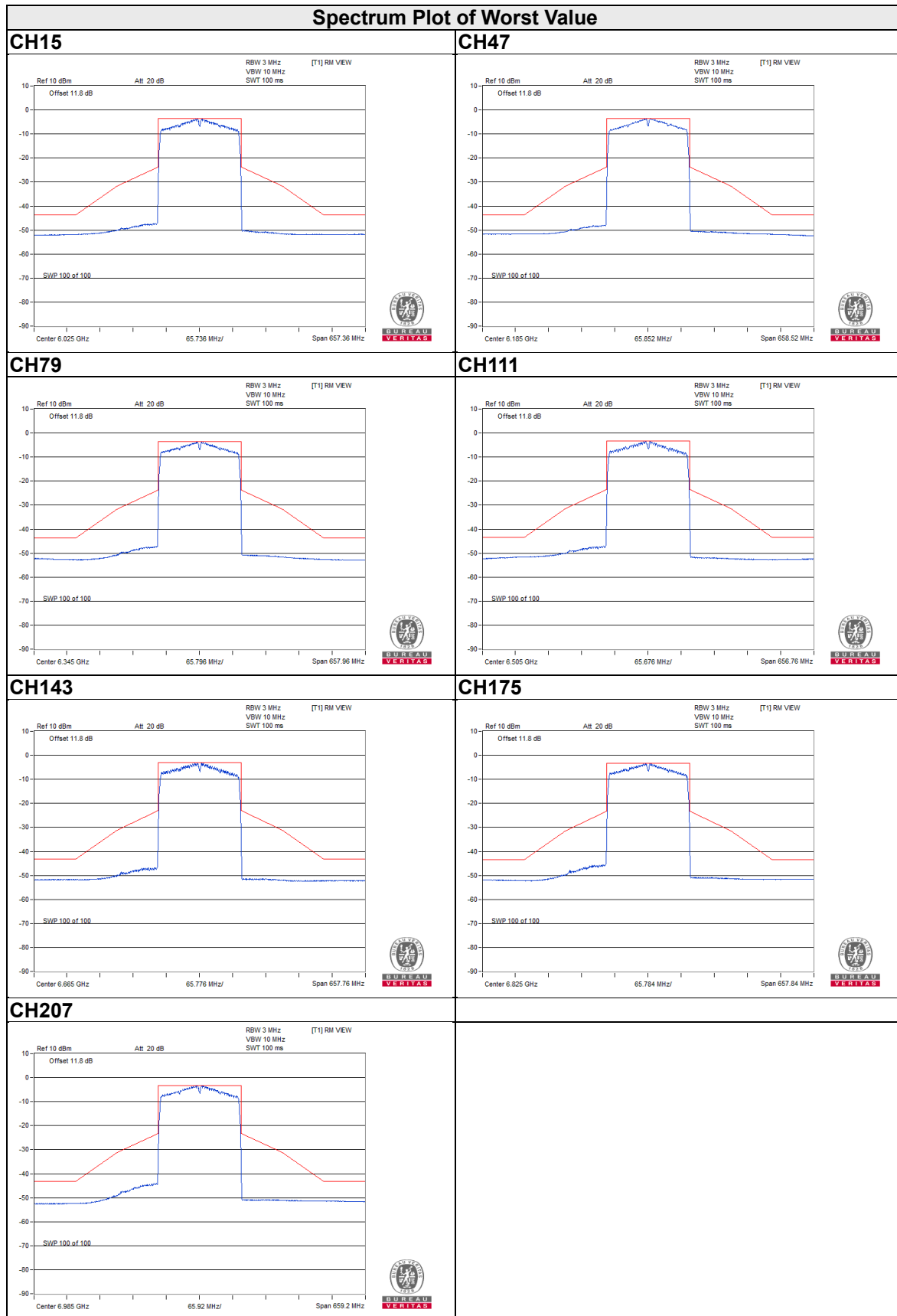


802.11be (EHT160)

Chain 0

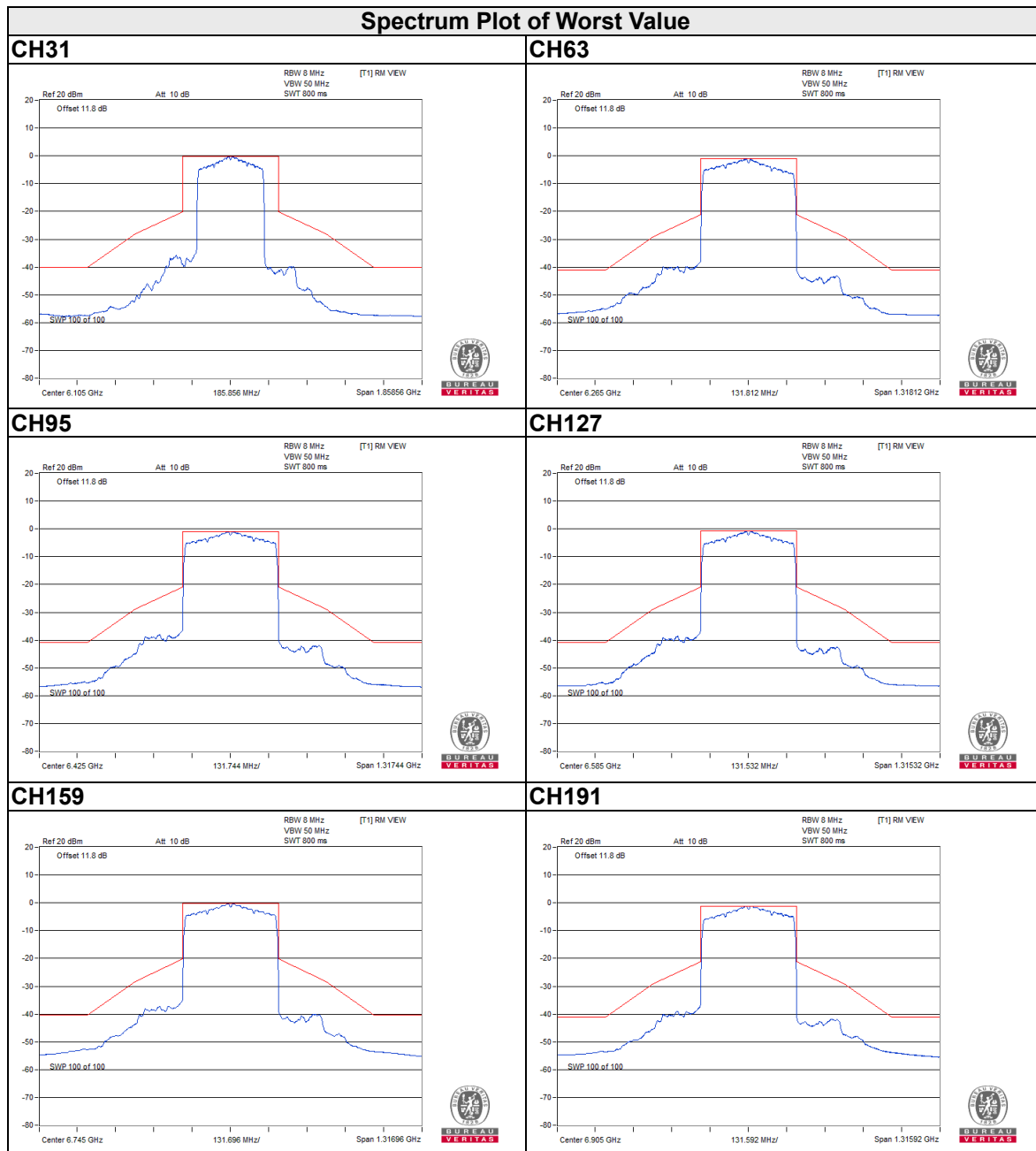


Chain 1

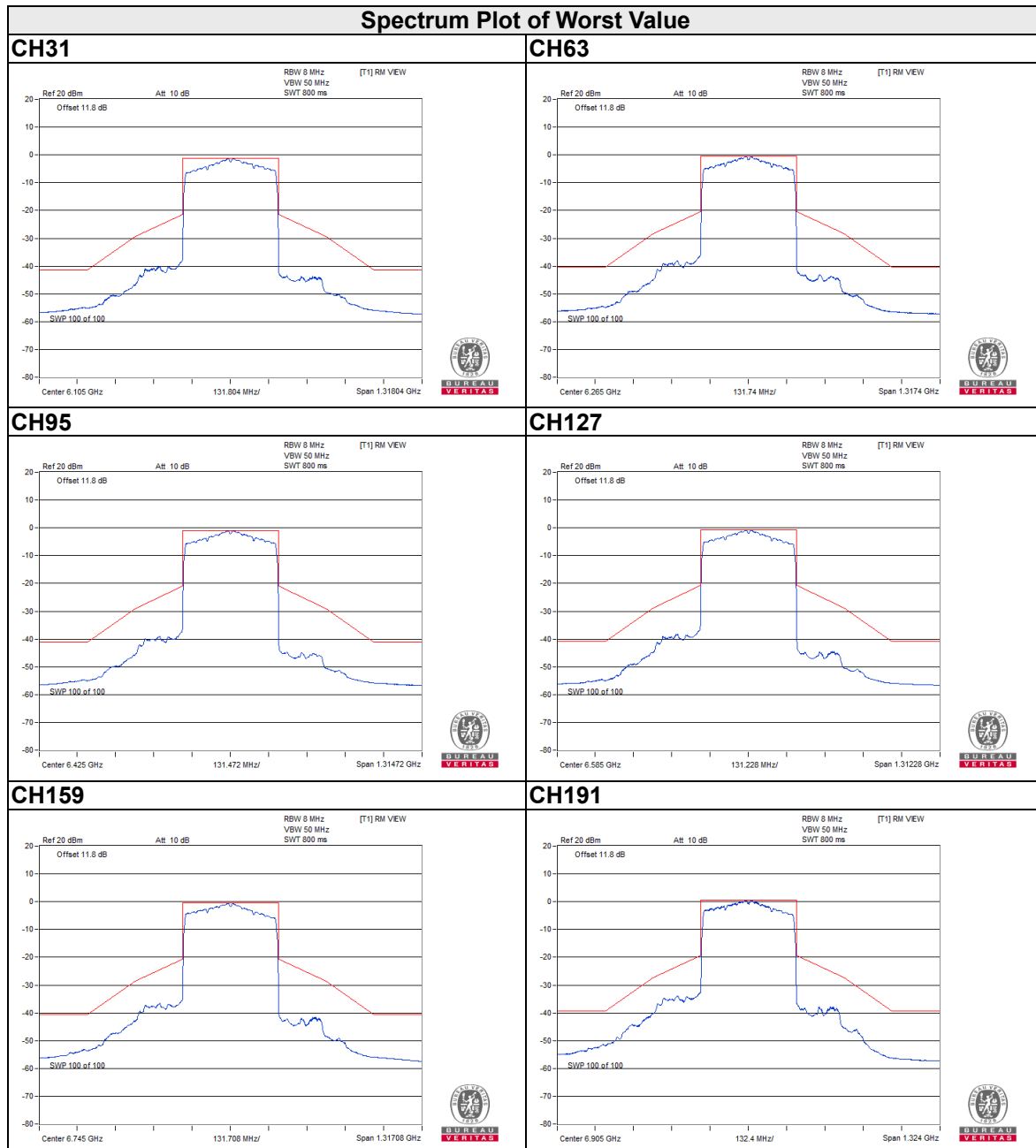


802.11be (EHT320)

Chain 0



Chain 1



4.3 Conducted Emission Measurement

4.3.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.3.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
TEST RECEIVER R&S	ESCS 30	847124/029	2021/10/13	2022/10/12
LISN R&S	ESH3-Z5	848773/004	2021/10/29	2022/10/28
50 ohms Terminator NA	50	3	2021/10/27	2022/10/26
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2021/9/25	2022/9/24
Fixed attenuator STI	STI02-2200-10	005	2021/8/27	2022/8/26
Software BVADT	BVADT_Cond_V7.3.7.4	NA	NA	NA

Note:

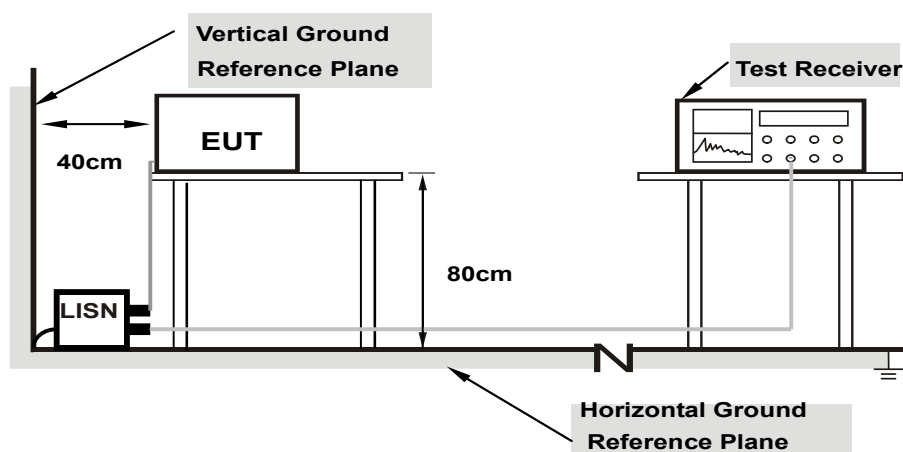
1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
3. Tested Date: 2022/8/11

4.3.3 Test Procedure

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.3.4 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.3.5 EUT Operating Condition

Same as 4.1.6.

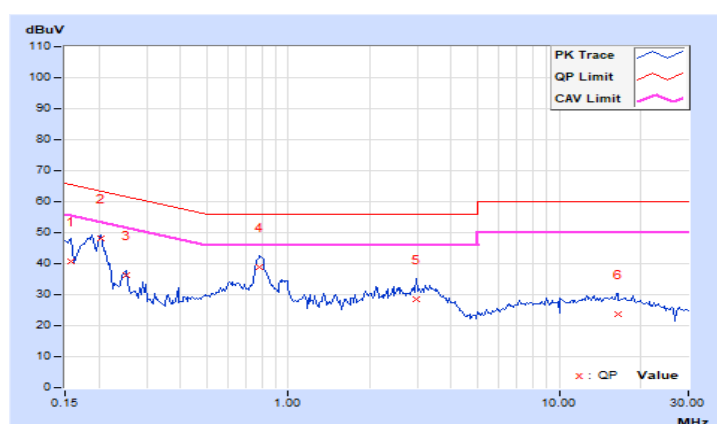
4.3.6 Test Results (Mode 1)

RF Mode	TX 802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120Vac, 60Hz	Environmental Conditions	24°C, 71% RH
Tested By	Sampson Chen		

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	0.15781	10.05	30.62	15.77	40.67	25.82	65.58	55.58	-24.91	-29.76
2	0.20469	10.05	38.15	19.43	48.20	29.48	63.42	53.42	-15.22	-23.94
3	0.25156	10.06	26.06	13.16	36.12	23.22	61.71	51.71	-25.59	-28.49
4	0.78672	10.09	28.73	15.00	38.82	25.09	56.00	46.00	-17.18	-20.91
5	2.95703	10.21	18.45	13.00	28.66	23.21	56.00	46.00	-27.34	-22.79
6	16.47266	11.01	12.67	6.88	23.68	17.89	60.00	50.00	-36.32	-32.11

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

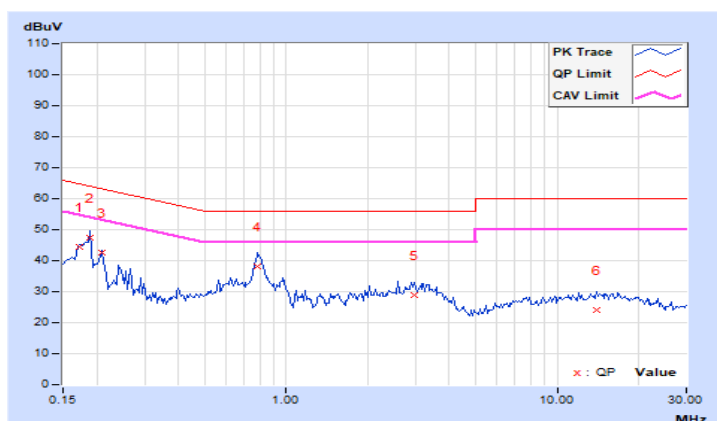


RF Mode	TX 802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120Vac, 60Hz	Environmental Conditions	24°C, 71% RH
Tested By	Sampson Chen		

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	0.17344	10.02	34.54	15.23	44.56	25.25	64.79	54.79	-20.23	-29.54
2	0.18906	10.03	37.28	16.13	47.31	26.16	64.08	54.08	-16.77	-27.92
3	0.20859	10.03	32.59	14.00	42.62	24.03	63.26	53.26	-20.64	-29.23
4	0.78672	10.06	28.07	15.10	38.13	25.16	56.00	46.00	-17.87	-20.84
5	2.98047	10.17	18.55	13.28	28.72	23.45	56.00	46.00	-27.28	-22.55
6	13.93750	10.68	13.39	8.03	24.07	18.71	60.00	50.00	-35.93	-31.29

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



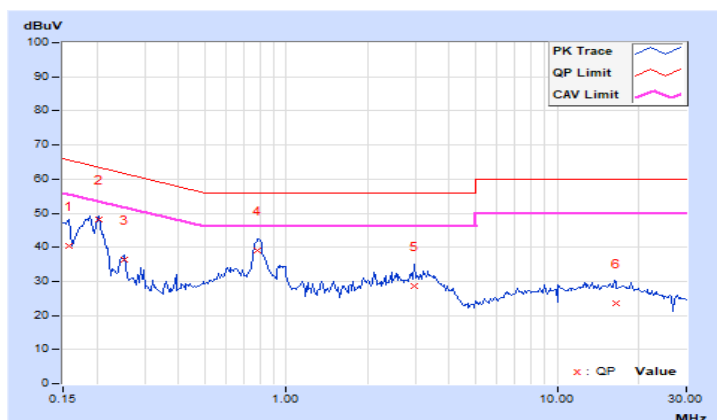
4.3.7 Test Results (Mode 2)

RF Mode	TX 802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120Vac, 60Hz	Environmental Conditions	25°C, 75% RH
Tested By	Sampson Chen		

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	0.15781	9.96	30.59	15.64	40.55	25.60	65.58	55.58	-25.03	-29.98
2	0.20469	9.96	38.33	19.46	48.29	29.42	63.42	53.42	-15.13	-24.00
3	0.25156	9.96	26.57	13.68	36.53	23.64	61.71	51.71	-25.18	-28.07
4	0.78672	9.99	28.93	15.27	38.92	25.26	56.00	46.00	-17.08	-20.74
5	2.95703	10.10	18.44	13.05	28.54	23.15	56.00	46.00	-27.46	-22.85
6	16.47266	10.89	12.78	6.99	23.67	17.88	60.00	50.00	-36.33	-32.12

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	TX 802.11be (EHT320)	Channel	CH 159 : 6745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120Vac, 60Hz	Environmental Conditions	25°C, 75% RH
Tested By	Sampson Chen		

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	0.17344	9.93	34.32	15.28	44.25	25.21	64.79	54.79	-20.54	-29.58
2	0.18906	9.94	37.97	16.38	47.91	26.32	64.08	54.08	-16.17	-27.76
3	0.20859	9.94	32.34	14.21	42.28	24.15	63.26	53.26	-20.98	-29.11
4	0.78672	9.96	28.25	15.19	38.21	25.15	56.00	46.00	-17.79	-20.85
5	2.98047	10.06	18.07	13.01	28.13	23.07	56.00	46.00	-27.87	-22.93
6	13.93750	10.56	13.29	8.45	23.85	19.01	60.00	50.00	-36.15	-30.99

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



4.4 Transmit Power Measurement

4.4.1 Limits of Transmit Power Measurement

Operation Band	EUT Category	Limit
		Max Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	Client Devices (controlled of an indoor AP)	EIRP 24 dBm

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

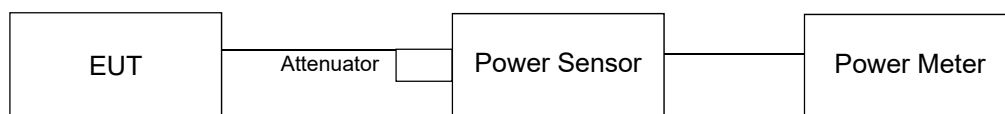
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

4.4.2 Test Setup



4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.4 Test Procedure

Conducted Power (dBm)

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

EIRP = Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

4.4.5 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.4.6 Test Result (Mode 1)

Power Output:

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
1	5955	4.808	6.82	4.76	14.388	11.58	24	Pass
45	6175	4.742	6.76	4.76	14.191	11.52	24	Pass
93	6415	4.732	6.75	4.76	14.158	11.51	24	Pass
97	6435	5.383	7.31	4.29	14.454	11.6	24	Pass
105	6475	5.346	7.28	4.29	14.355	11.57	24	Pass
113	6515	5.445	7.36	4.29	14.622	11.65	24	Pass
117	6535	4.842	6.85	4.61	13.996	11.46	24	Pass
153	6715	4.753	6.77	4.61	13.74	11.38	24	Pass
181	6855	4.808	6.82	4.61	13.9	11.43	24	Pass
185	6875	5.309	7.25	4.09	13.614	11.34	24	Pass
213	7015	5.333	7.27	4.09	13.677	11.36	24	Pass
233	7115	5.508	7.41	4.09	14.125	11.5	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
- U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
- U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
- U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
1	5955	5.284	7.23	4.76	15.812	11.99	24	Pass
45	6175	5.152	7.12	4.76	15.417	11.88	24	Pass
93	6415	5.164	7.13	4.76	15.453	11.89	24	Pass
97	6435	5.768	7.61	4.29	15.488	11.9	24	Pass
105	6475	5.702	7.56	4.29	15.311	11.85	24	Pass
113	6515	5.61	7.49	4.29	15.066	11.78	24	Pass
117	6535	5.236	7.19	4.61	15.136	11.8	24	Pass
153	6715	5.26	7.21	4.61	15.205	11.82	24	Pass
181	6855	5.047	7.03	4.61	14.588	11.64	24	Pass
185	6875	5.998	7.78	4.09	15.382	11.87	24	Pass
213	7015	6.053	7.82	4.09	15.524	11.91	24	Pass
233	7115	5.97	7.76	4.09	15.311	11.85	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
3	5965	9.75	9.89	4.76	29.174	14.65	24	Pass
43	6165	10.162	10.07	4.76	30.409	14.83	24	Pass
91	6405	9.886	9.95	4.76	29.58	14.71	24	Pass
99	6445	11.376	10.56	4.29	30.549	14.85	24	Pass
107	6485	10.765	10.32	4.29	28.907	14.61	24	Pass
115	6525	10.046	10.02	4.61	29.04	14.63	24	Pass
123	6565	9.886	9.95	4.61	28.576	14.56	24	Pass
155	6725	9.817	9.92	4.61	28.379	14.53	24	Pass
179	6845	10.139	10.06	4.61	29.309	14.67	24	Pass
187	6885	11.194	10.49	4.09	28.708	14.58	24	Pass
211	7005	11.641	10.66	4.09	29.854	14.75	24	Pass
227	7085	12.05	10.81	4.09	30.903	14.9	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
7	5985	19.77	12.96	4.76	59.156	17.72	24	Pass
39	6145	19.861	12.98	4.76	59.429	17.74	24	Pass
87	6385	19.055	12.80	4.76	57.016	17.56	24	Pass
103	6465	21.429	13.31	4.29	57.544	17.6	24	Pass
119	6545	19.409	12.88	4.61	56.105	17.49	24	Pass
135	6625	19.543	12.91	4.61	56.494	17.52	24	Pass
151	6705	19.634	12.93	4.61	56.754	17.54	24	Pass
167	6785	19.999	13.01	4.61	57.81	17.62	24	Pass
183	6865	21.429	13.31	4.61	61.944	17.92	24	Pass
199	6945	23.823	13.77	4.09	61.094	17.86	24	Pass
215	7025	24.099	13.82	4.09	61.802	17.91	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
15	6025	34.119	15.33	4.76	102.094	20.09	24	Pass
47	6185	33.729	15.28	4.76	100.925	20.04	24	Pass
79	6345	33.574	15.26	4.76	100.462	20.02	24	Pass
111	6505	33.651	15.27	4.29	90.365	19.56	24	Pass
143	6665	34.514	15.38	4.61	99.77	19.99	24	Pass
175	6825	34.834	15.42	4.61	100.693	20.03	24	Pass
207	6985	35.645	15.52	4.09	91.411	19.61	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
1	5955	5.408	7.33	4.76	16.181	12.09	24	Pass
45	6175	5.2	7.16	4.76	15.56	11.92	24	Pass
93	6415	5.333	7.27	4.76	15.959	12.03	24	Pass
97	6435	5.808	7.64	4.29	15.596	11.93	24	Pass
105	6475	5.902	7.71	4.29	15.849	12	24	Pass
113	6515	5.848	7.67	4.29	15.704	11.96	24	Pass
117	6535	5.358	7.29	4.61	15.488	11.9	24	Pass
153	6715	5.395	7.32	4.61	15.596	11.93	24	Pass
181	6855	5.176	7.14	4.61	14.962	11.75	24	Pass
185	6875	6.067	7.83	4.09	15.56	11.92	24	Pass
213	7015	6.124	7.87	4.09	15.704	11.96	24	Pass
233	7115	5.998	7.78	4.09	15.382	11.87	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
3	5965	9.84	9.93	4.76	29.444	14.69	24	Pass
43	6165	10.28	10.12	4.76	30.761	14.88	24	Pass
91	6405	10.375	10.16	4.76	31.046	14.92	24	Pass
99	6445	11.561	10.63	4.29	31.046	14.92	24	Pass
107	6485	10.839	10.35	4.29	29.107	14.64	24	Pass
115	6525	10.093	10.04	4.61	29.174	14.65	24	Pass
123	6565	10.351	10.15	4.61	29.923	14.76	24	Pass
155	6725	10.116	10.05	4.61	29.242	14.66	24	Pass
179	6845	10.186	10.08	4.61	29.444	14.69	24	Pass
187	6885	11.298	10.53	4.09	28.973	14.62	24	Pass
211	7005	11.776	10.71	4.09	30.2	14.8	24	Pass
227	7085	12.106	10.83	4.09	31.046	14.92	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
7	5985	19.77	12.96	4.76	59.156	17.72	24	Pass
39	6145	19.999	13.01	4.76	59.841	17.77	24	Pass
87	6385	19.143	12.82	4.76	57.28	17.58	24	Pass
103	6465	21.827	13.39	4.29	58.614	17.68	24	Pass
119	6545	19.543	12.91	4.61	56.494	17.52	24	Pass
135	6625	19.724	12.95	4.61	57.016	17.56	24	Pass
151	6705	20.606	13.14	4.61	59.566	17.75	24	Pass
167	6785	20.091	13.03	4.61	58.076	17.64	24	Pass
183	6865	21.878	13.40	4.61	63.241	18.01	24	Pass
199	6945	24.434	13.88	4.09	62.661	17.97	24	Pass
215	7025	24.604	13.91	4.09	63.096	18	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
15	6025	34.435	15.37	4.76	103.039	20.13	24	Pass
47	6185	34.041	15.32	4.76	101.859	20.08	24	Pass
79	6345	33.806	15.29	4.76	101.158	20.05	24	Pass
111	6505	33.806	15.29	4.29	90.782	19.58	24	Pass
143	6665	34.914	15.43	4.61	100.925	20.04	24	Pass
175	6825	35.075	15.45	4.61	101.391	20.06	24	Pass
207	6985	36.308	15.60	4.09	93.111	19.69	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
31	6105	64.269	18.08	4.76	192.309	22.84	24	Pass
63	6265	65.163	18.14	4.76	194.984	22.9	24	Pass
95	6425	63.973	18.06	4.29	171.791	22.35	24	Pass
127	6585	66.069	18.20	4.61	190.985	22.81	24	Pass
159	6745	68.077	18.33	4.61	196.789	22.94	24	Pass
191	6905	69.663	18.43	4.09	178.649	22.52	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi))

2. U-NII-5 Directional gain = antenna gain (dBi) = 4.76 dBi
 U-NII-6 Directional gain = antenna gain (dBi) = 4.29 dBi
 U-NII-7 Directional gain = antenna gain (dBi) = 4.61 dBi
 U-NII-8 Directional gain = antenna gain (dBi) = 4.09 dBi

4.4.7 Test Result (Mode 2)

Power Output:

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	0.82	0.65	2.369	3.75	4.76	7.096	8.51	24	Pass
45	6175	0.84	0.67	2.38	3.77	4.76	7.129	8.53	24	Pass
93	6415	0.86	0.63	2.375	3.76	4.76	7.112	8.52	24	Pass
97	6435	0.88	0.60	2.373	3.75	4.29	6.368	8.04	24	Pass
105	6475	0.91	0.63	2.389	3.78	4.29	6.412	8.07	24	Pass
113	6515	0.98	0.67	2.42	3.84	4.29	6.501	8.13	24	Pass
117	6535	0.92	0.55	2.371	3.75	4.61	6.855	8.36	24	Pass
153	6715	0.63	0.91	2.389	3.78	4.61	6.902	8.39	24	Pass
181	6855	0.87	0.65	2.383	3.77	4.61	6.887	8.38	24	Pass
185	6875	1.05	1.57	2.709	4.33	4.09	6.95	8.42	24	Pass
213	7015	1.19	1.33	2.674	4.27	4.09	6.855	8.36	24	Pass
233	7115	1.37	1.10	2.659	4.25	4.09	6.823	8.34	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	3.57	4.61	5.166	7.13	4.76	15.453	11.89	24	Pass
45	6175	4.48	4.21	5.442	7.36	4.76	16.293	12.12	24	Pass
93	6415	4.24	3.87	5.092	7.07	4.76	15.241	11.83	24	Pass
97	6435	4.73	4.58	5.842	7.67	4.29	15.704	11.96	24	Pass
105	6475	4.94	4.60	6.003	7.78	4.29	16.106	12.07	24	Pass
113	6515	4.92	4.67	6.035	7.81	4.29	16.218	12.1	24	Pass
117	6535	4.20	3.92	5.096	7.07	4.61	14.723	11.68	24	Pass
153	6715	3.94	4.18	5.096	7.07	4.61	14.723	11.68	24	Pass
181	6855	3.92	3.99	4.972	6.97	4.61	14.388	11.58	24	Pass
185	6875	4.31	4.96	5.831	7.66	4.09	14.962	11.75	24	Pass
213	7015	4.74	4.88	6.055	7.82	4.09	15.524	11.91	24	Pass
233	7115	4.94	5.11	6.362	8.04	4.09	16.331	12.13	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	5.79	6.67	8.438	9.26	4.76	25.235	14.02	24	Pass
43	6165	6.51	6.34	8.782	9.44	4.76	26.303	14.2	24	Pass
91	6405	6.37	6.54	8.843	9.47	4.76	26.485	14.23	24	Pass
99	6445	6.91	6.67	9.554	9.80	4.29	25.645	14.09	24	Pass
107	6485	6.94	6.62	9.535	9.79	4.29	25.586	14.08	24	Pass
115	6525	6.72	6.76	9.441	9.75	4.61	27.29	14.36	24	Pass
123	6565	6.56	5.99	8.501	9.29	4.61	24.547	13.9	24	Pass
155	6725	6.12	6.36	8.418	9.25	4.61	24.322	13.86	24	Pass
179	6845	6.17	6.34	8.445	9.27	4.61	24.434	13.88	24	Pass
187	6885	6.59	7.21	9.821	9.92	4.09	25.177	14.01	24	Pass
211	7005	6.88	7.16	10.075	10.03	4.09	25.823	14.12	24	Pass
227	7085	6.94	7.24	10.24	10.10	4.09	26.242	14.19	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	8.98	10.29	18.597	12.69	4.76	55.59	17.45	24	Pass
39	6145	9.46	9.49	17.723	12.49	4.76	53.088	17.25	24	Pass
87	6385	9.66	9.74	18.666	12.71	4.76	55.847	17.47	24	Pass
103	6465	10.21	9.78	20.001	13.01	4.29	53.703	17.3	24	Pass
119	6545	10.24	9.82	20.162	13.05	4.61	58.345	17.66	24	Pass
135	6625	10.08	9.94	20.049	13.02	4.61	57.943	17.63	24	Pass
151	6705	9.12	9.38	16.835	12.26	4.61	48.641	16.87	24	Pass
167	6785	9.23	9.28	16.848	12.27	4.61	48.753	16.88	24	Pass
183	6865	9.40	10.06	18.849	12.75	4.61	54.45	17.36	24	Pass
199	6945	9.86	10.01	19.706	12.95	4.09	50.582	17.04	24	Pass
215	7025	10.09	10.30	20.925	13.21	4.09	53.703	17.3	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	12.17	12.48	34.183	15.34	4.76	102.329	20.1	24	Pass
47	6185	11.92	12.55	33.548	15.26	4.76	100.462	20.02	24	Pass
79	6345	12.34	12.51	34.963	15.44	4.76	104.713	20.2	24	Pass
111	6505	12.66	12.85	37.725	15.77	4.29	101.391	20.06	24	Pass
143	6665	12.42	12.33	34.558	15.39	4.61	100	20	24	Pass
175	6825	12.35	12.21	33.813	15.29	4.61	97.724	19.9	24	Pass
207	6985	12.86	12.75	38.156	15.82	4.09	97.949	19.91	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	3.61	4.62	5.193	7.15	4.76	15.524	11.91	24	Pass
45	6175	4.57	4.21	5.501	7.40	4.76	16.444	12.16	24	Pass
93	6415	4.26	3.87	5.105	7.08	4.76	15.276	11.84	24	Pass
97	6435	4.90	4.56	5.948	7.74	4.29	15.959	12.03	24	Pass
105	6475	5.09	4.53	6.066	7.83	4.29	16.293	12.12	24	Pass
113	6515	4.92	4.69	6.049	7.82	4.29	16.255	12.11	24	Pass
117	6535	4.19	4.08	5.183	7.15	4.61	14.997	11.76	24	Pass
153	6715	3.99	4.16	5.112	7.09	4.61	14.791	11.7	24	Pass
181	6855	3.88	4.13	5.032	7.02	4.61	14.555	11.63	24	Pass
185	6875	4.22	5.08	5.863	7.68	4.09	15.031	11.77	24	Pass
213	7015	4.88	4.76	6.068	7.83	4.09	15.56	11.92	24	Pass
233	7115	4.94	5.15	6.392	8.06	4.09	16.406	12.15	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	5.78	6.72	8.483	9.29	4.76	25.41	14.05	24	Pass
43	6165	6.43	6.49	8.852	9.47	4.76	26.485	14.23	24	Pass
91	6405	6.45	6.55	8.934	9.51	4.76	26.73	14.27	24	Pass
99	6445	6.83	6.86	9.672	9.86	4.29	26.002	14.15	24	Pass
107	6485	6.77	6.82	9.562	9.81	4.29	25.704	14.1	24	Pass
115	6525	6.56	6.96	9.495	9.77	4.61	27.416	14.38	24	Pass
123	6565	6.75	6.08	8.787	9.44	4.61	25.41	14.05	24	Pass
155	6725	6.19	6.38	8.504	9.30	4.61	24.604	13.91	24	Pass
179	6845	6.19	6.37	8.494	9.29	4.61	24.547	13.9	24	Pass
187	6885	6.47	7.38	9.906	9.96	4.09	25.41	14.05	24	Pass
211	7005	6.89	7.21	10.147	10.06	4.09	26.002	14.15	24	Pass
227	7085	6.84	7.43	10.364	10.16	4.09	26.607	14.25	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	9.01	10.29	18.652	12.71	4.76	55.847	17.47	24	Pass
39	6145	9.36	9.62	17.792	12.50	4.76	53.211	17.26	24	Pass
87	6385	9.68	9.79	18.818	12.75	4.76	56.364	17.51	24	Pass
103	6465	10.08	9.96	20.094	13.03	4.29	53.951	17.32	24	Pass
119	6545	10.17	9.93	20.239	13.06	4.61	58.479	17.67	24	Pass
135	6625	9.92	10.21	20.313	13.08	4.61	58.749	17.69	24	Pass
151	6705	9.29	9.52	17.445	12.42	4.61	50.466	17.03	24	Pass
167	6785	9.23	9.34	16.965	12.30	4.61	49.091	16.91	24	Pass
183	6865	9.32	10.21	19.046	12.80	4.61	55.081	17.41	24	Pass
199	6945	9.84	10.32	20.403	13.10	4.09	52.36	17.19	24	Pass
215	7025	10.11	10.36	21.121	13.25	4.09	54.2	17.34	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	12.15	12.54	34.353	15.36	4.76	102.802	20.12	24	Pass
47	6185	12.16	12.36	33.662	15.27	4.76	100.693	20.03	24	Pass
79	6345	12.31	12.59	35.177	15.46	4.76	105.196	20.22	24	Pass
111	6505	12.71	12.93	38.297	15.83	4.29	102.802	20.12	24	Pass
143	6665	12.36	12.45	34.798	15.42	4.61	100.693	20.03	24	Pass
175	6825	12.29	12.33	34.044	15.32	4.61	98.401	19.93	24	Pass
207	6985	12.79	12.88	38.42	15.85	4.09	98.628	19.94	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

802.11be (EHT320)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
31	6105	15.73	14.51	65.66	18.17	4.76	196.336	22.93	24	Pass
63	6265	14.78	15.24	63.48	18.03	4.76	190.108	22.79	24	Pass
95	6425	15.27	14.73	63.368	18.02	4.29	170.216	22.31	24	Pass
127	6585	15.49	14.74	65.185	18.14	4.61	188.365	22.75	24	Pass
159	6745	15.54	15.10	68.169	18.34	4.61	197.242	22.95	24	Pass
191	6905	14.78	15.99	69.78	18.44	4.09	179.061	22.53	24	Pass

Note: 1. EIRP= Conducted Power (dBm) + Directional gain (antenna gain (dBi) + array gain (dB))

2. U-NII-5 Directional gain = antenna gain (dBi) + array gain (dB) = 4.76 + 0 dB = 4.76 dBi

U-NII-6 Directional gain = antenna gain (dBi) + array gain (dB) = 4.29 + 0 dB = 4.29 dBi

U-NII-7 Directional gain = antenna gain (dBi) + array gain (dB) = 4.61 + 0 dB = 4.61 dBi

U-NII-8 Directional gain = antenna gain (dBi) + array gain (dB) = 4.09 + 0 dB = 4.09 dBi

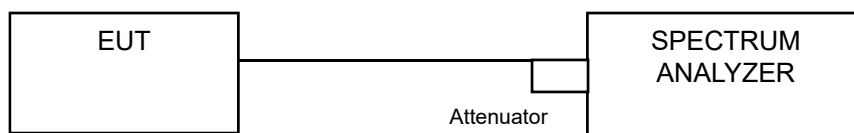
3. Since this device support 2TX, therefore array gain = 0 dB (i.e., no array gain) for NANT ≤ 4 (for conducted output power measurement)

4.5 Emission Bandwidth Measurement

4.5.1 Limits of Emission Bandwidth Measurement

The fundamental bandwidth shall be less than 320MHz.

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

FOR 99% OCCUPIED BANDWIDTH

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

FOR 26dB BANDWIDTH

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

4.5.5 Test Results (Mode 1)

99% Occupied Bandwidth:

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
1	5955	16.26	320
45	6175	16.32	320
93	6415	16.32	320
97	6435	16.32	320
105	6475	16.32	320
113	6515	16.32	320
117	6535	16.32	320
153	6715	16.32	320
181	6855	16.32	320
185	6875	16.26	320
213	7015	16.32	320
233	7115	16.26	320

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
1	5955	18.84	320
233	7115	18.84	320

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
3	5965	37.56	320
227	7085	37.8	320

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
7	5985	77.04	320
215	7025	76.8	320

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
15	6025	155.04	320
47	6185	156.48	320
79	6345	156.48	320
111	6505	155.04	320
143	6665	155.04	320
175	6825	155.04	320
207	6985	155.04	320

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
1	5955	18.78	320
45	6175	18.72	320
93	6415	18.72	320
97	6435	18.84	320
105	6475	18.72	320
113	6515	18.72	320
117	6535	18.72	320
153	6715	18.78	320
181	6855	18.78	320
185	6875	18.78	320
213	7015	18.78	320
233	7115	18.72	320

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
3	5965	37.56	320
43	6165	37.68	320
91	6405	37.8	320
99	6445	37.68	320
107	6485	37.56	320
115	6525	37.68	320
123	6565	37.56	320
155	6725	37.8	320
179	6845	37.44	320
187	6885	37.44	320
211	7005	37.68	320
227	7085	37.56	320

802.11be (EHT80)

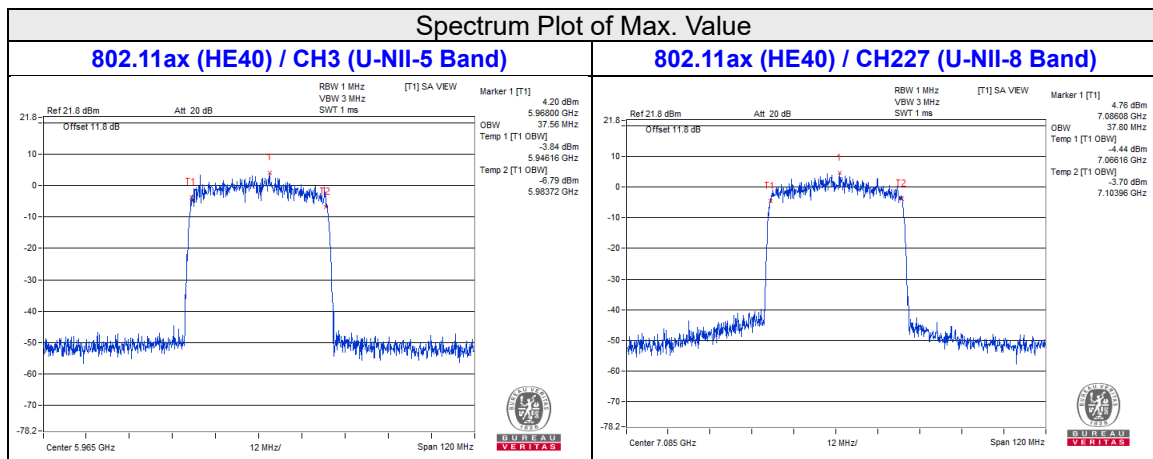
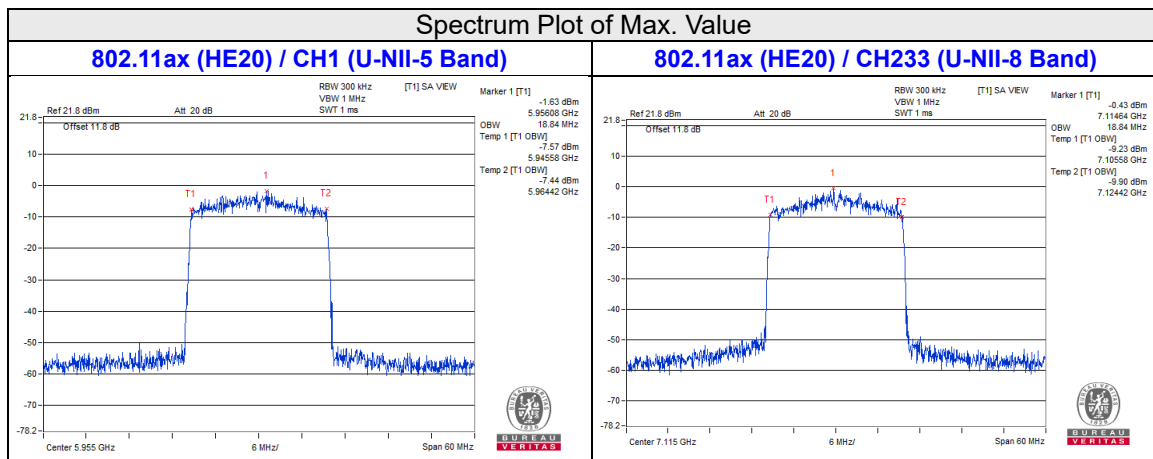
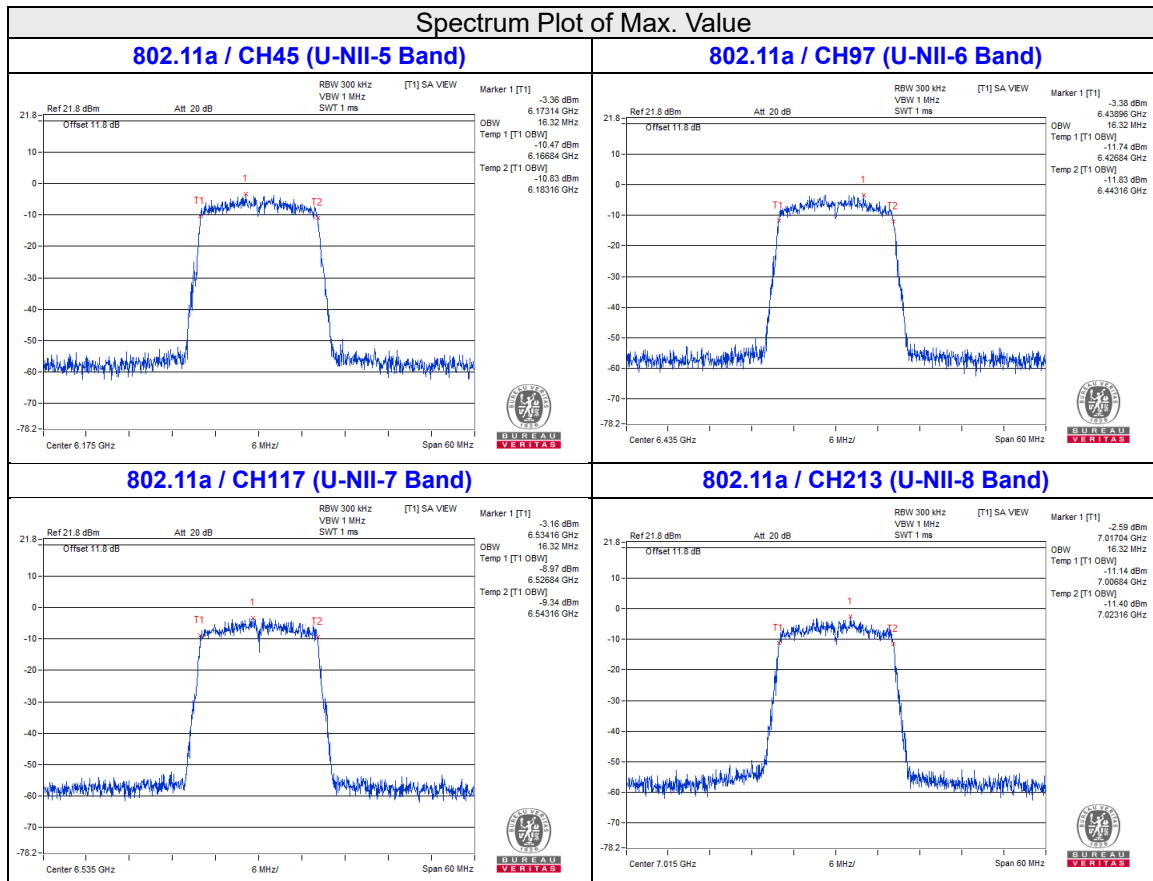
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
7	5985	77.04	320
39	6145	77.04	320
87	6385	76.8	320
103	6465	77.04	320
119	6545	77.04	320
135	6625	76.8	320
151	6705	76.8	320
167	6785	77.04	320
183	6865	77.04	320
199	6945	76.8	320
215	7025	76.56	320

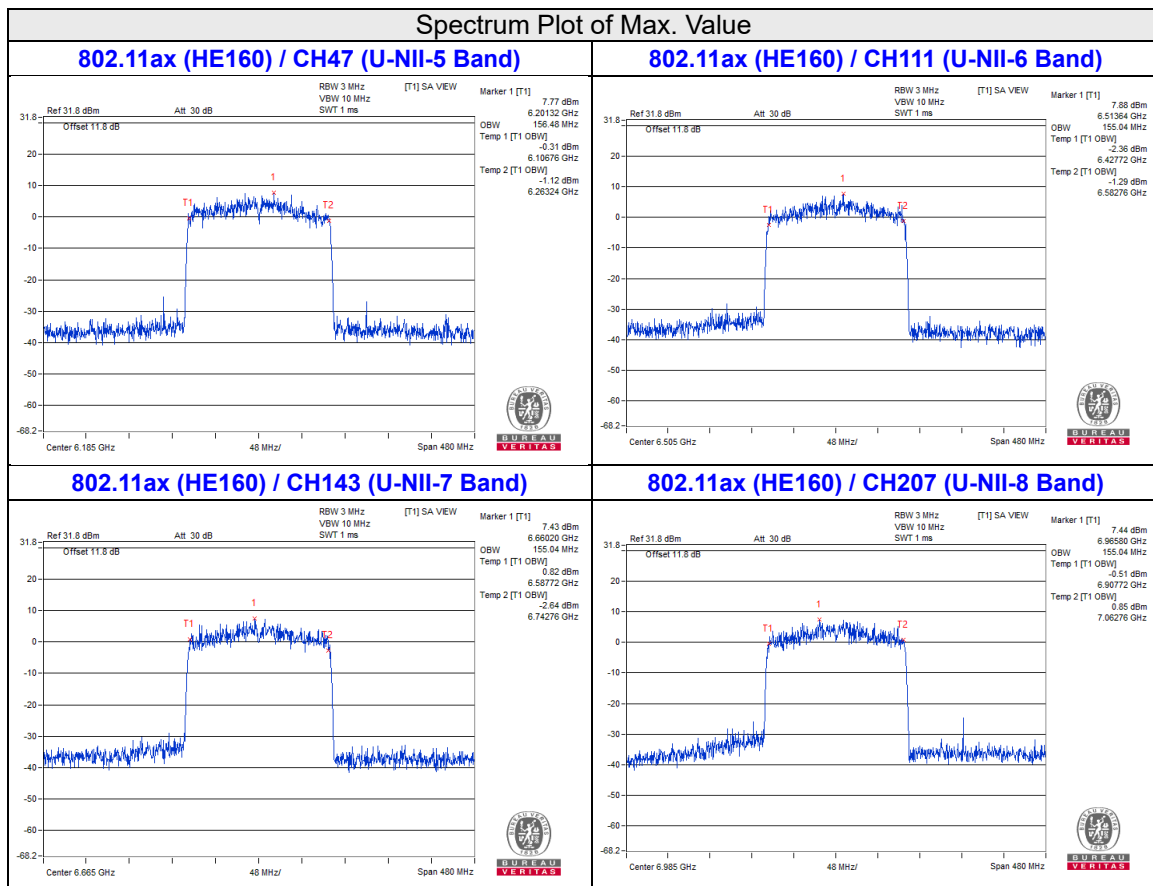
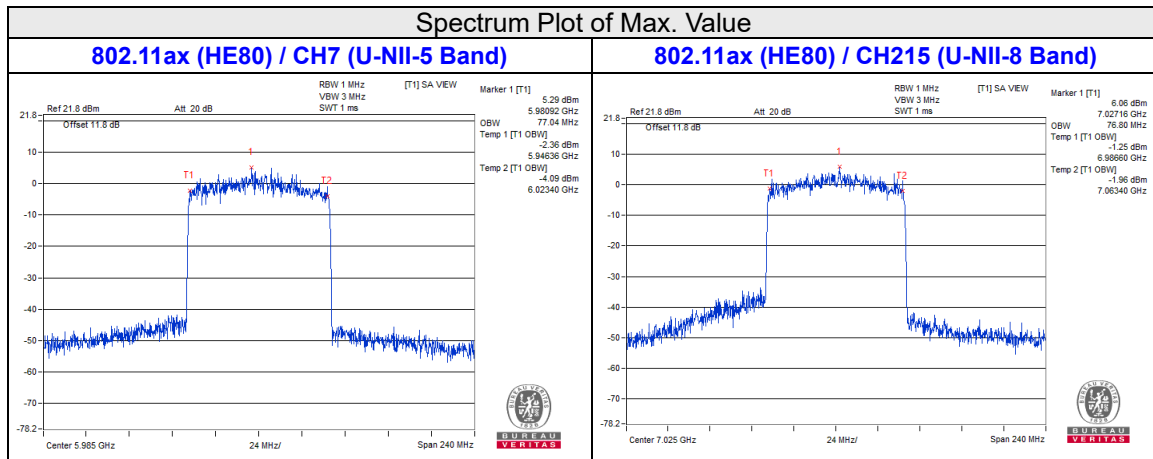
802.11be (EHT160)

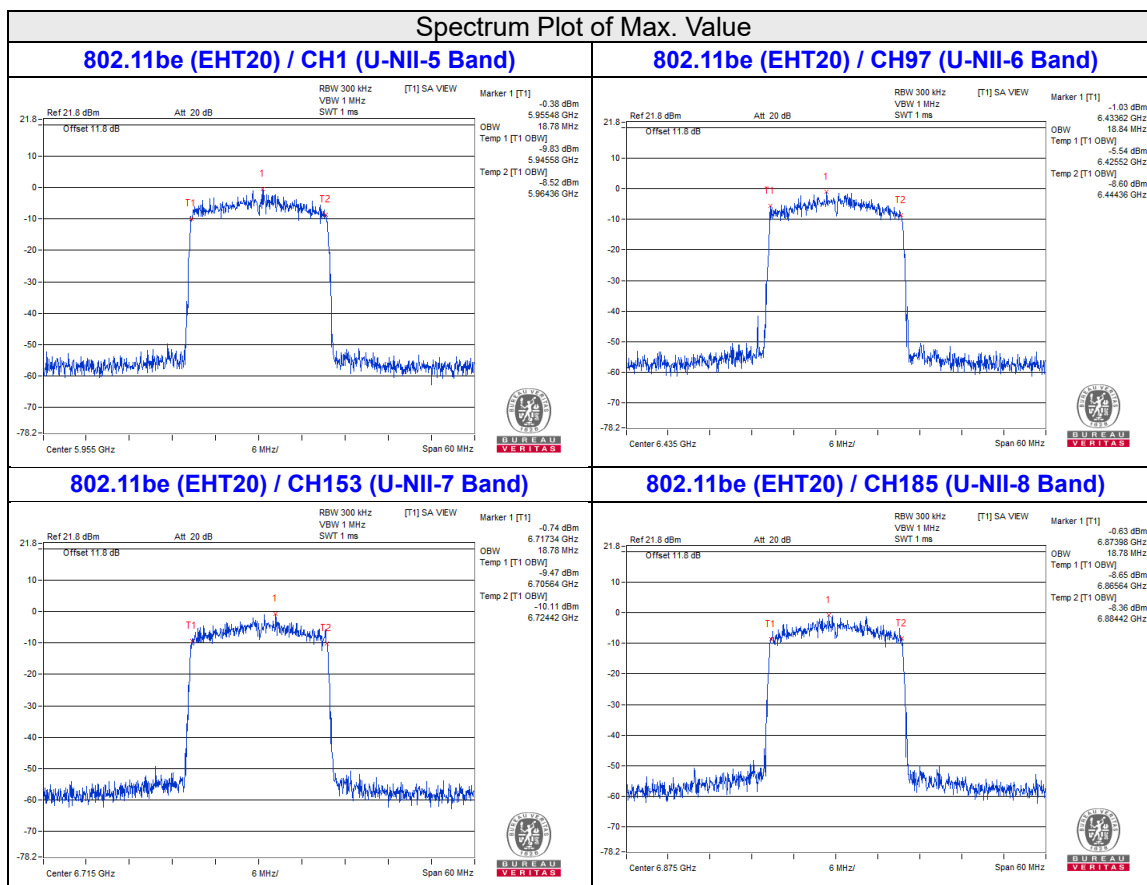
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
15	6025	155.52	320
47	6185	156	320
79	6345	155.52	320
111	6505	156	320
143	6665	156	320
175	6825	156.48	320
207	6985	156	320

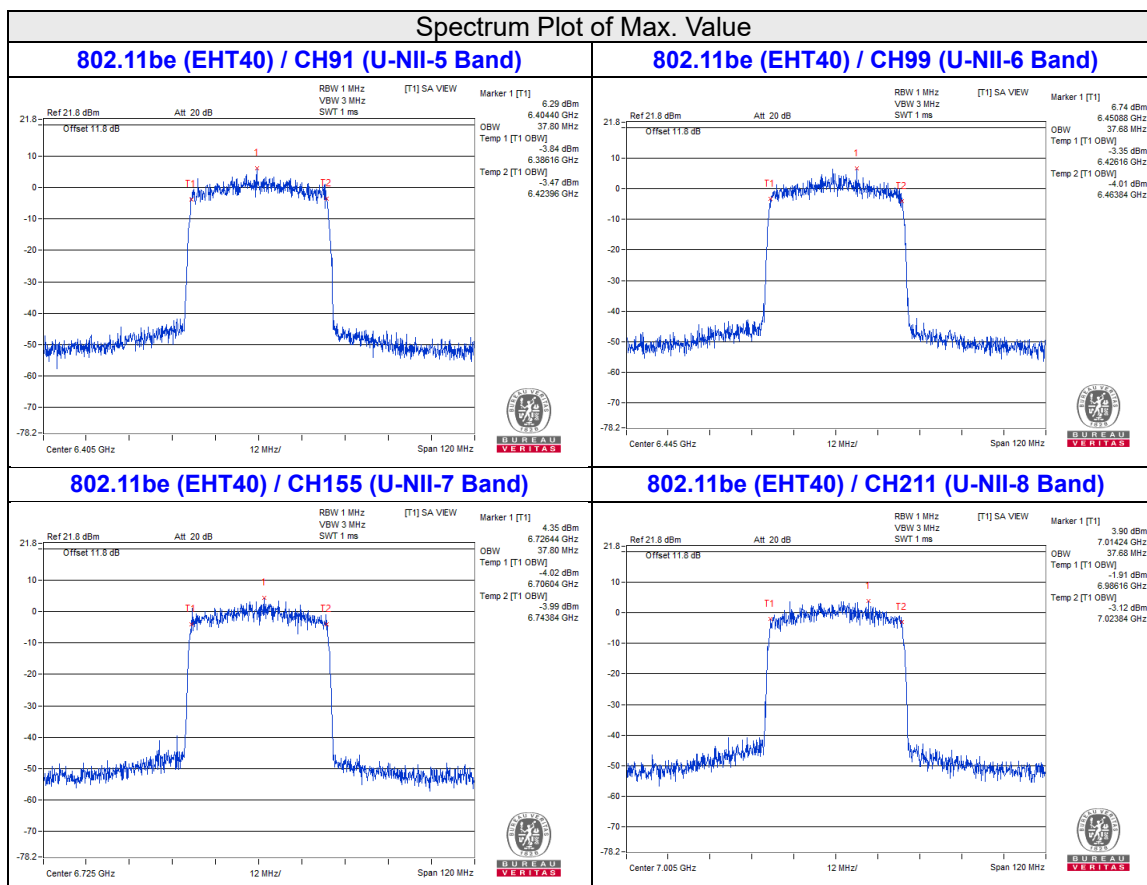
802.11be (EHT320)

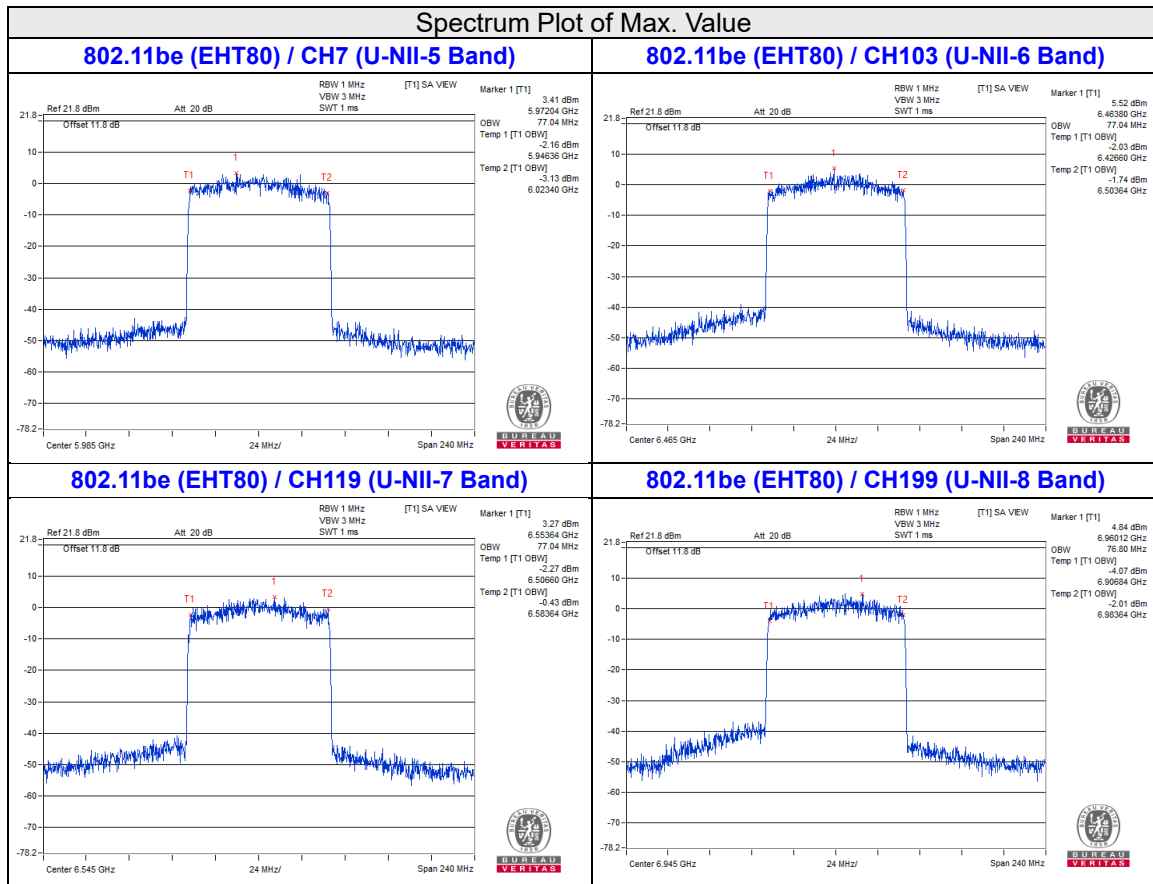
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
31	6105	312.96	320
63	6265	313.92	320
95	6425	314.88	320
127	6585	312.96	320
159	6745	312.96	320
191	6905	313.92	320

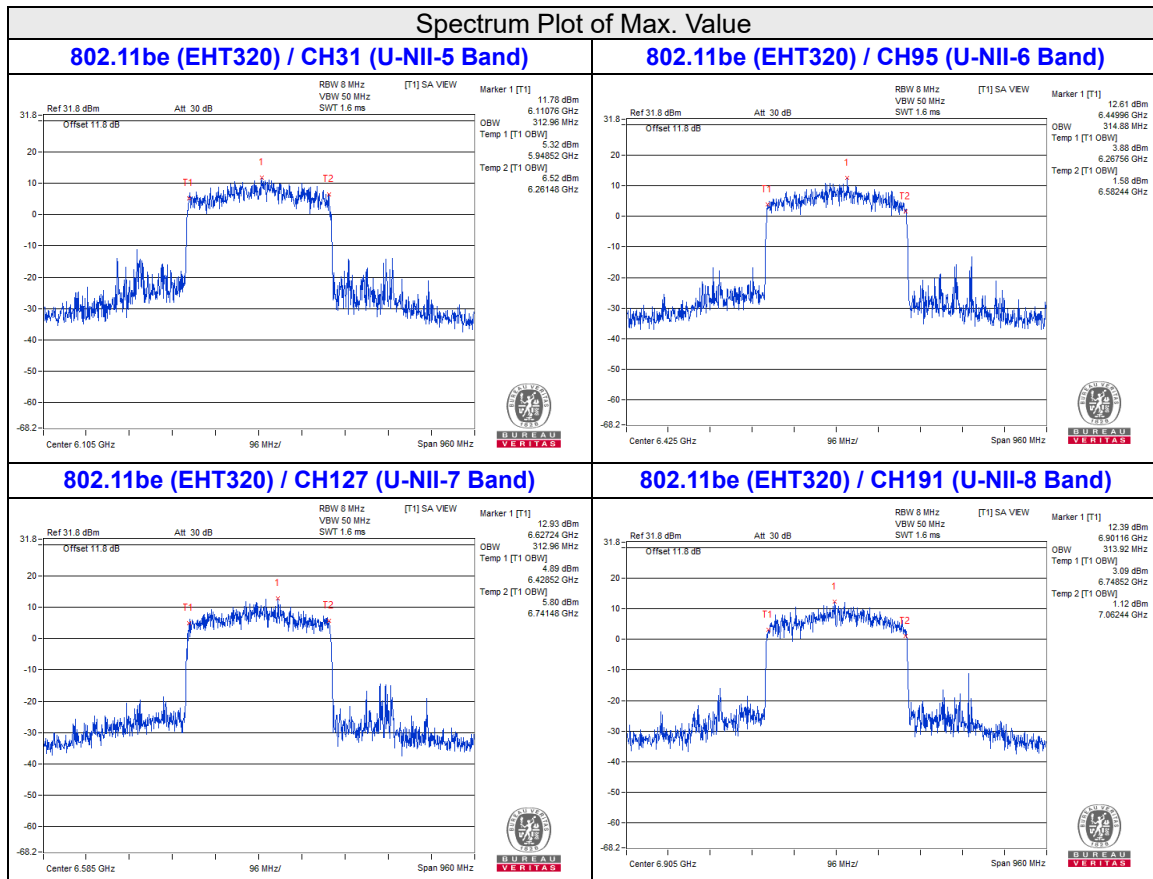
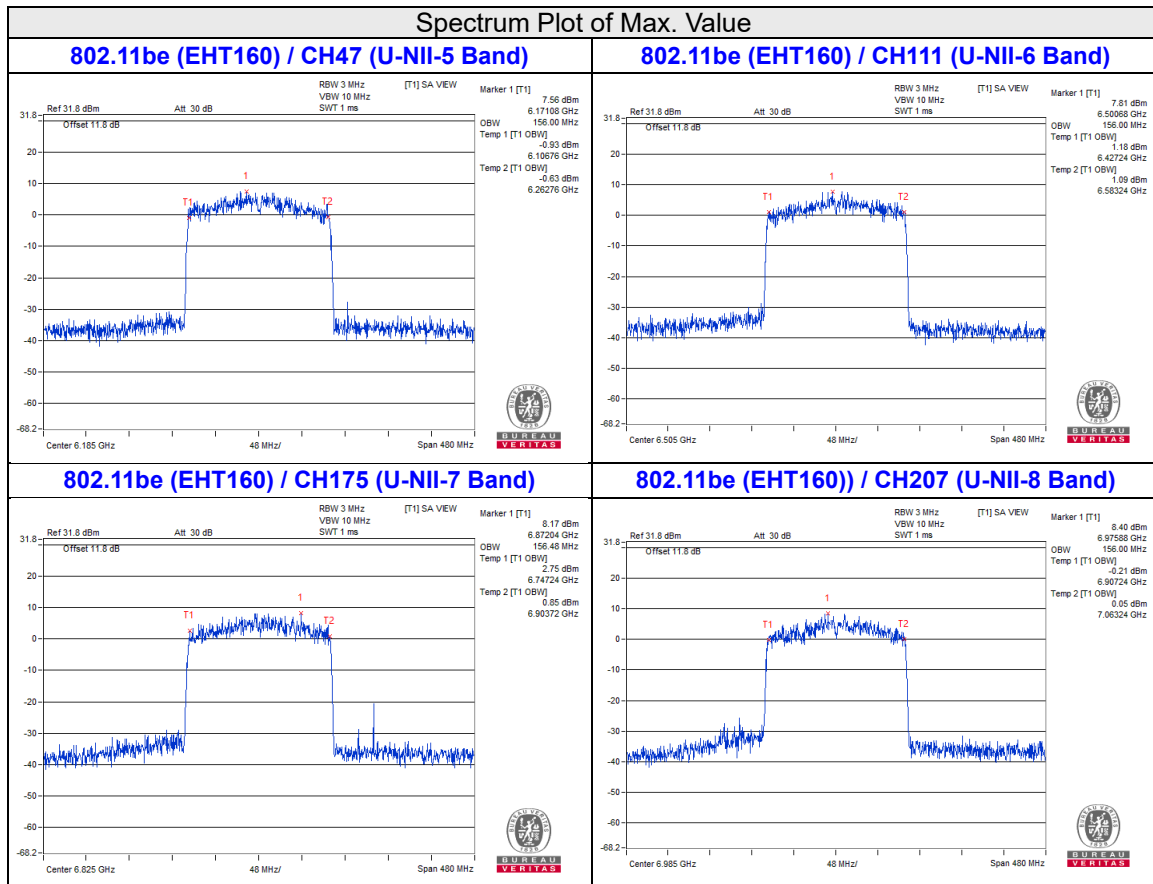












26dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
1	5955	18.6
45	6175	18.51
93	6415	18.61
97	6435	18.55
105	6475	18.5
113	6515	18.49
117	6535	18.5
153	6715	18.61
181	6855	18.55
185	6875	18.53
213	7015	18.55
233	7115	18.6

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
1	5955	19.96
233	7115	19.88

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
3	5965	40.34
227	7085	40.24

802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
7	5985	80.36
215	7025	80.41

802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
15	6025	164.32
47	6185	164.34
79	6345	164.54
111	6505	164.75
143	6665	164.56
175	6825	164.18
207	6985	164.53

802.11be (EHT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
1	5955	40.31
45	6175	40.24
93	6415	40.19
97	6435	40.37
105	6475	40.5
113	6515	40.43
117	6535	40.24
153	6715	40.28
181	6855	40.38
185	6875	40
213	7015	40.31
233	7115	40.31

802.11be (EHT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
3	5965	80.27
43	6165	80.37
91	6405	80.32
99	6445	80.26
107	6485	80.3
115	6525	80.29
123	6565	80.34
155	6725	80.4
179	6845	80.31
187	6885	80.41
211	7005	80.26
227	7085	80.27

802.11be (EHT80)

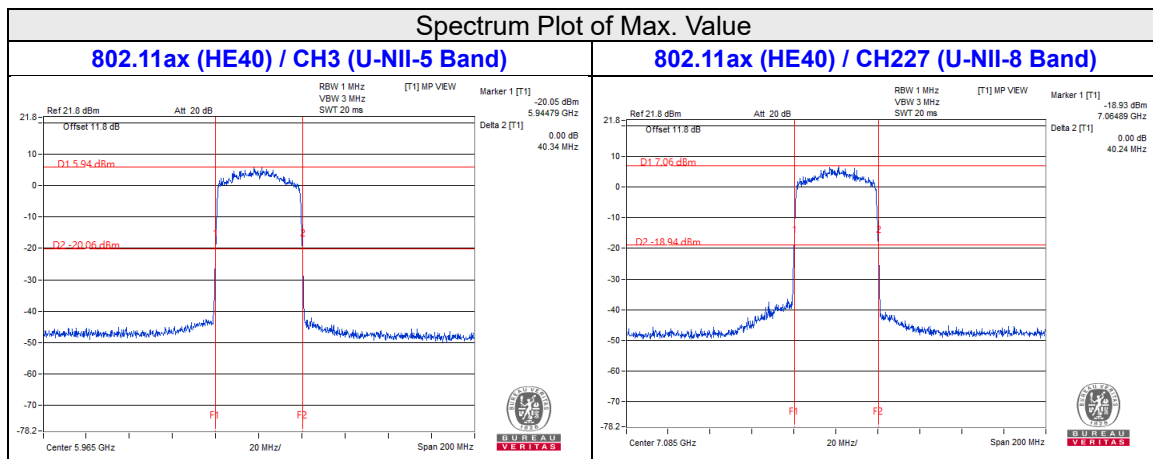
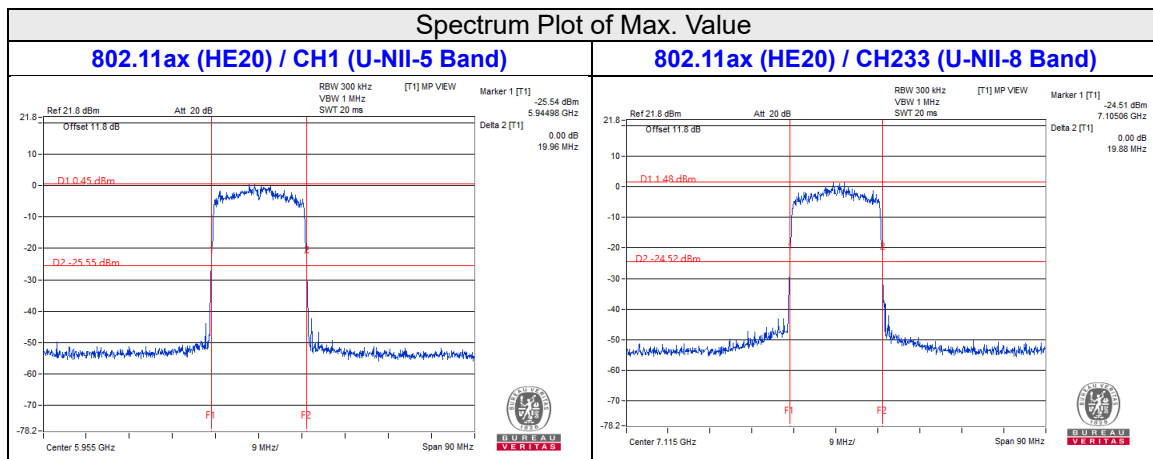
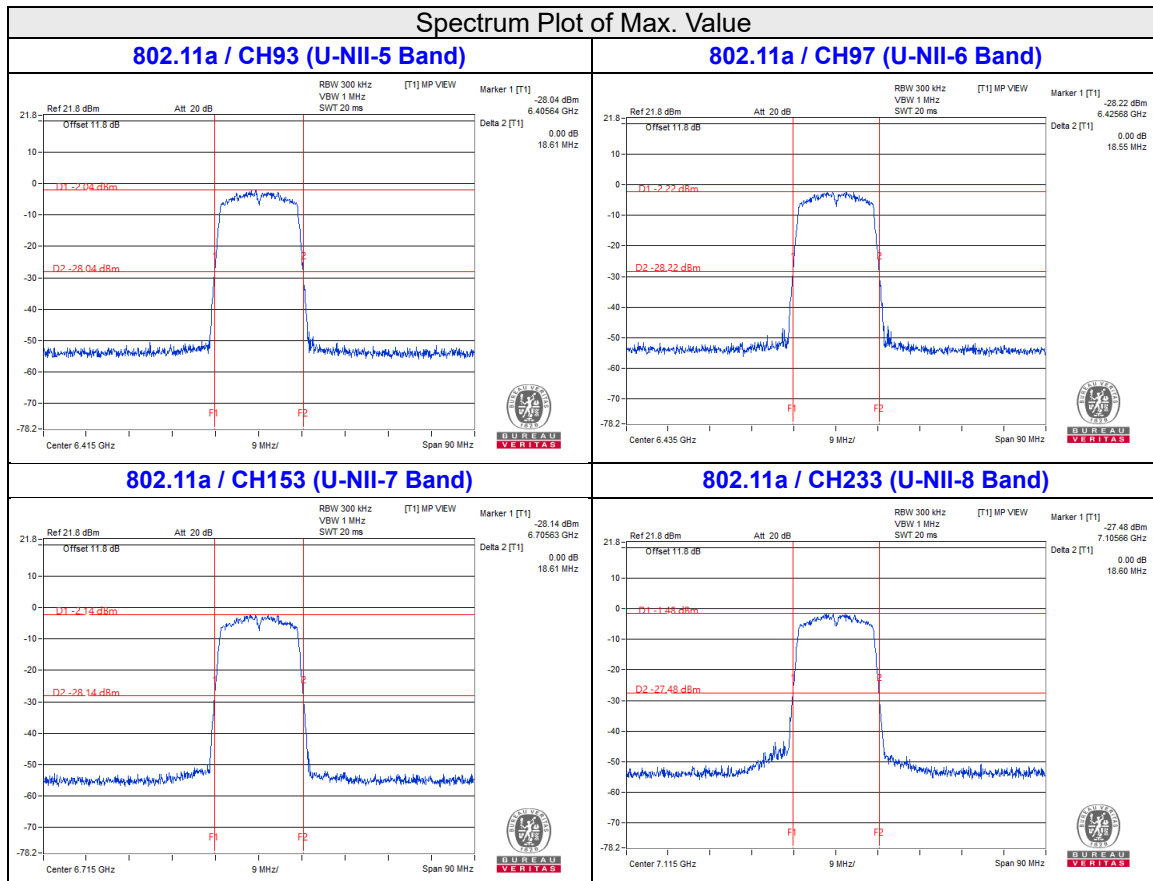
Channel	Frequency (MHz)	26dB Bandwidth (MHz)
7	5985	80.27
39	6145	80.37
87	6385	80.32
103	6465	80.26
119	6545	80.3
135	6625	80.29
151	6705	80.34
167	6785	80.4
183	6865	80.31
199	6945	80.41
215	7025	80.26

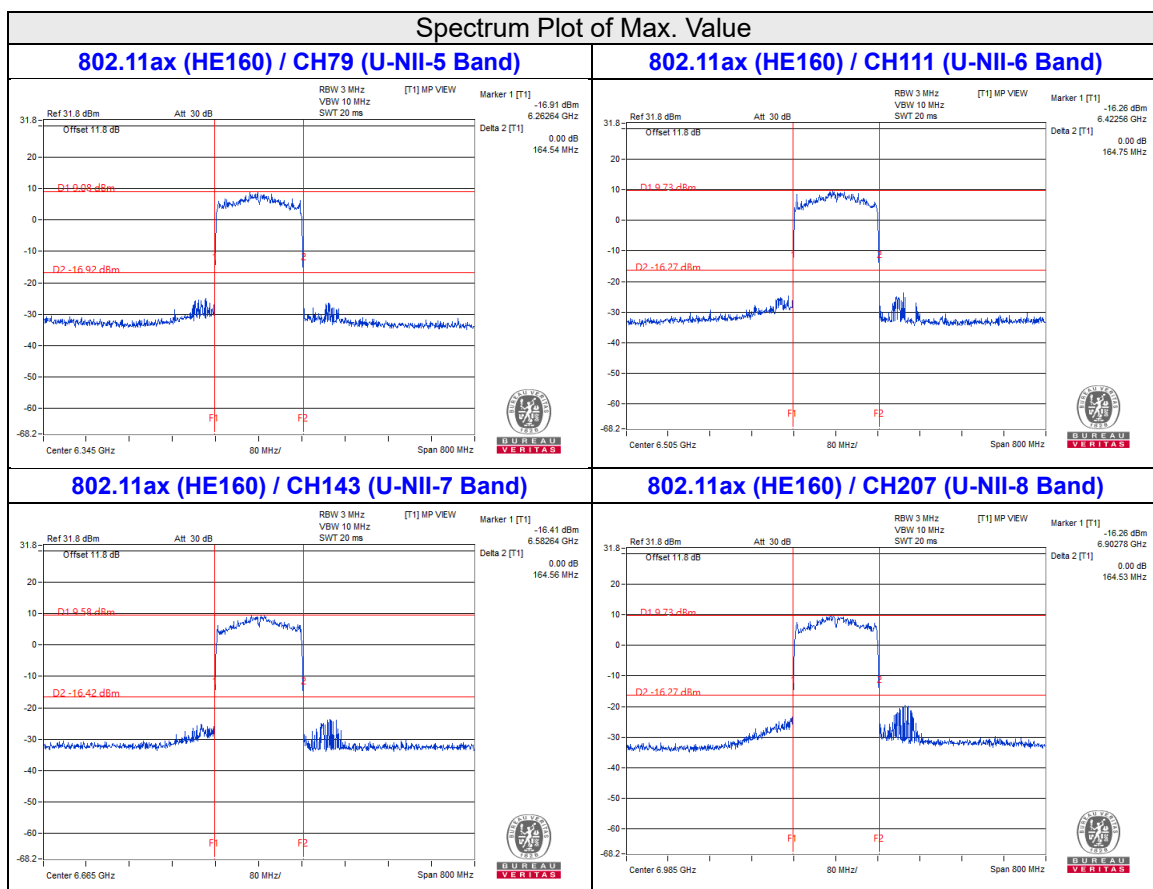
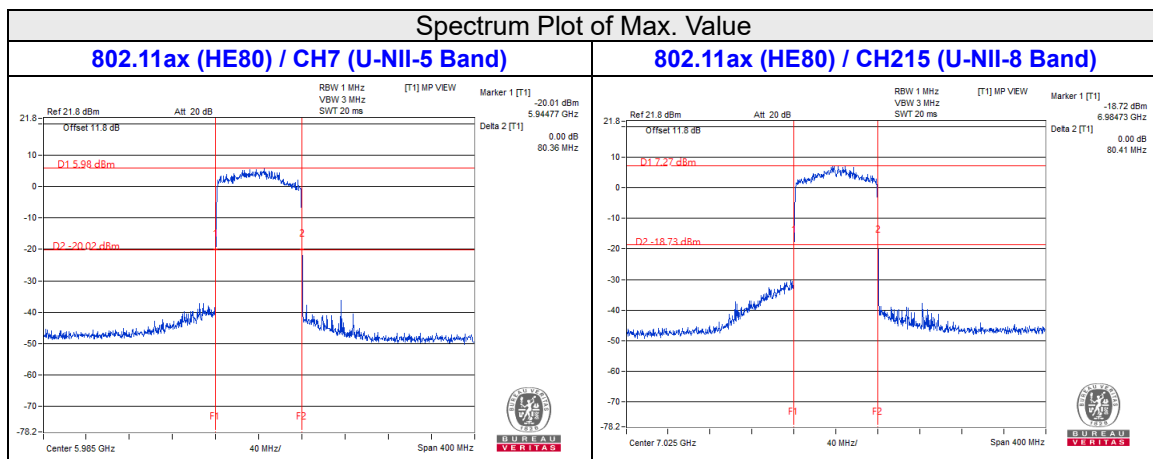
802.11be (EHT160)

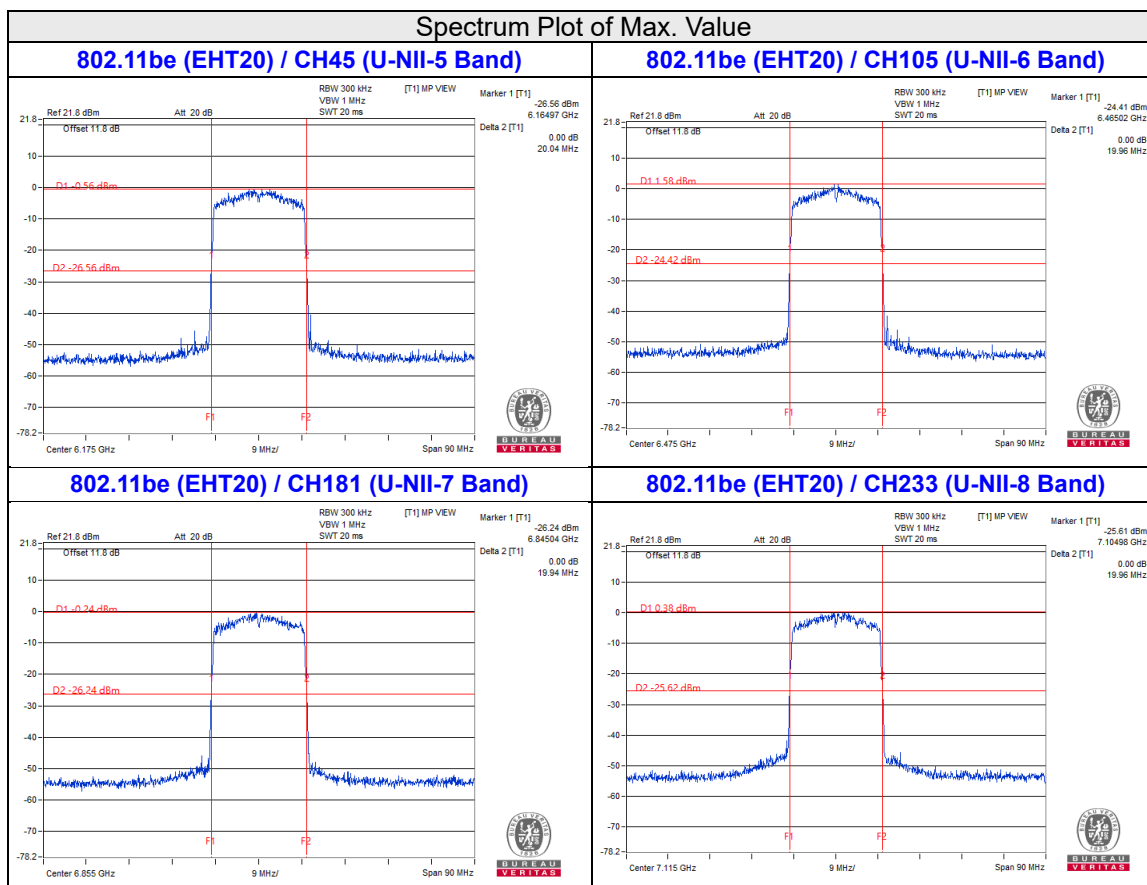
Channel	Frequency (MHz)	26dB Bandwidth (MHz)
15	6025	164.34
47	6185	164.4
79	6345	164.32
111	6505	164.63
143	6665	164.62
175	6825	164.48
207	6985	164.48

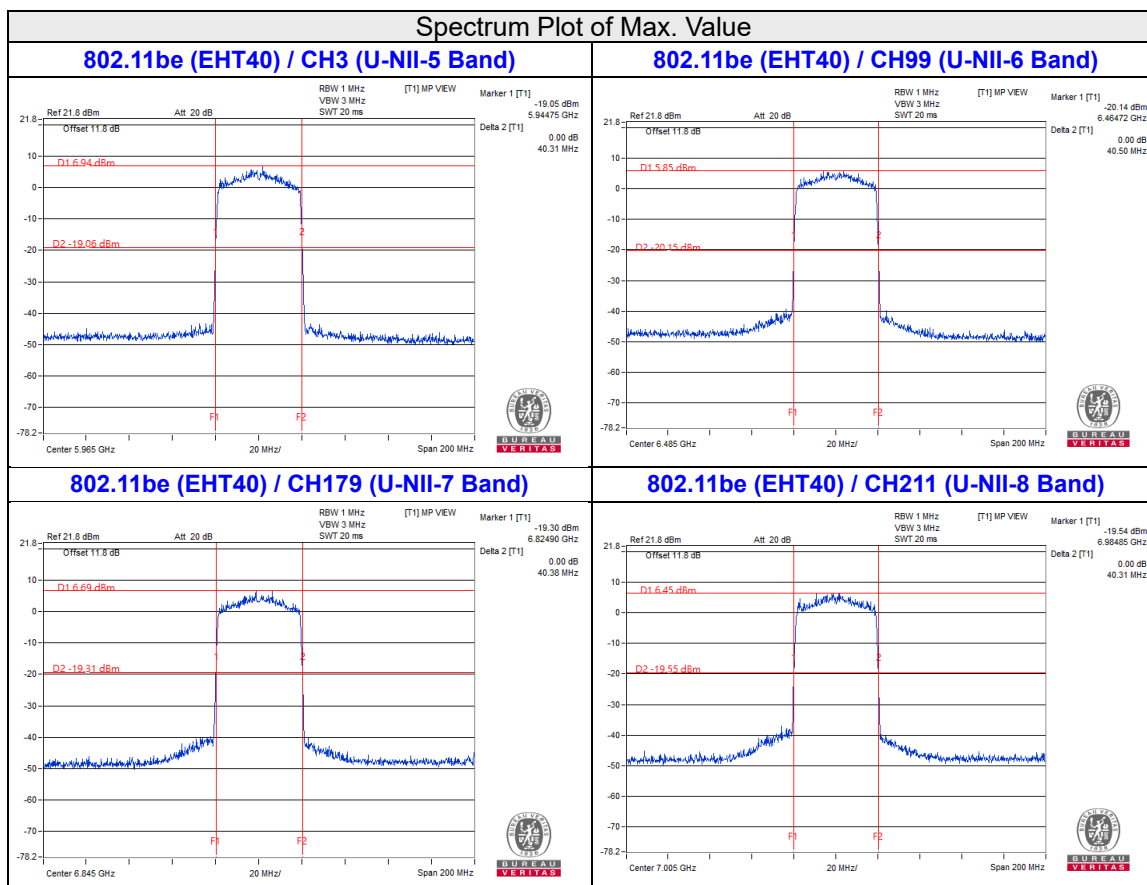
802.11be (EHT320)

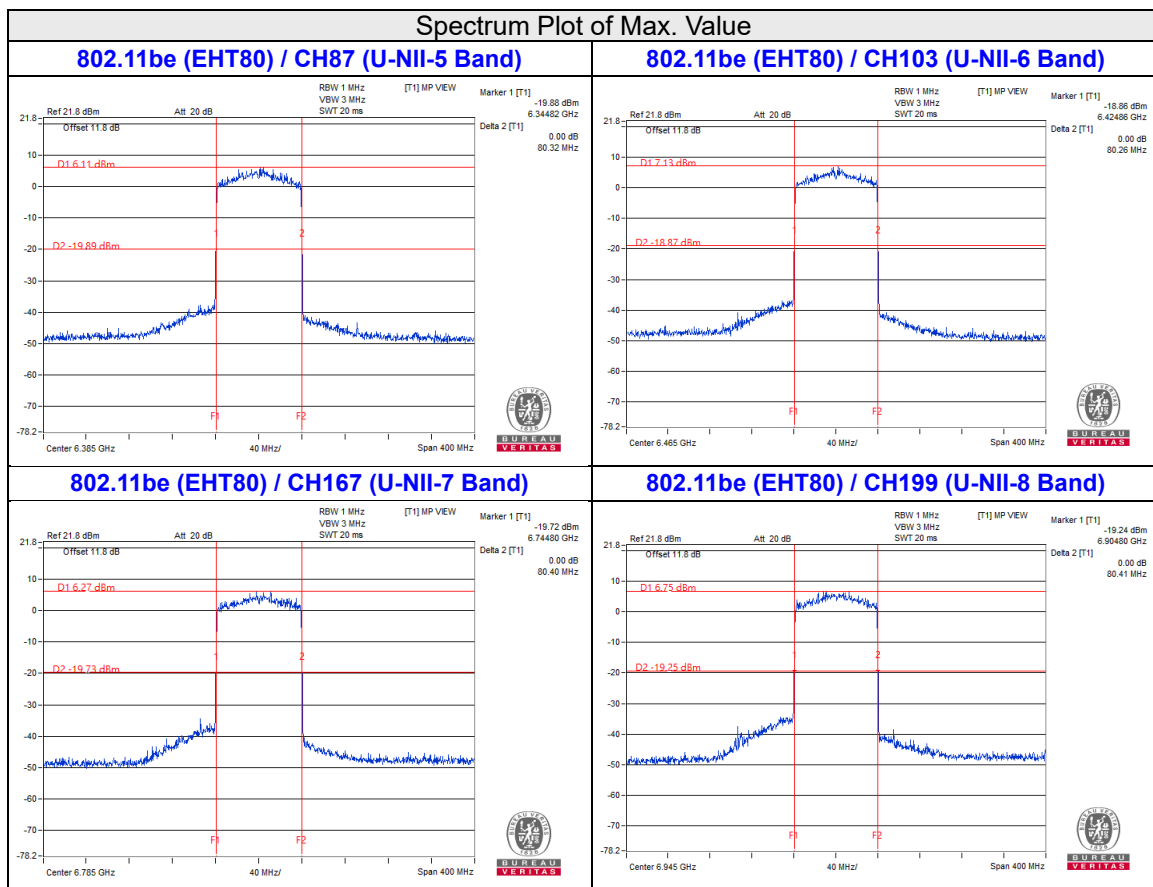
Channel	Frequency (MHz)	26dB Bandwidth (MHz)
31	6105	566.57
63	6265	575.48
95	6425	575.33
127	6585	488.53
159	6745	487.29
191	6905	491.6

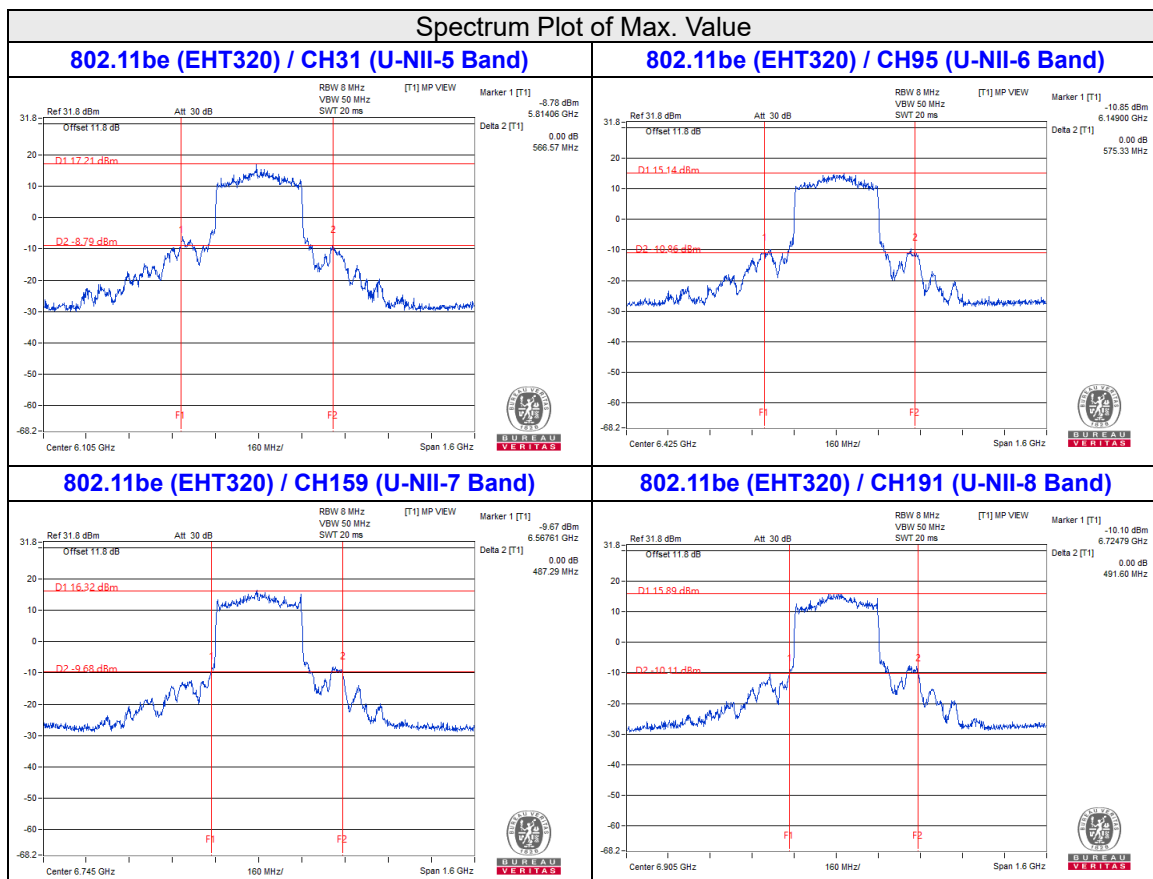
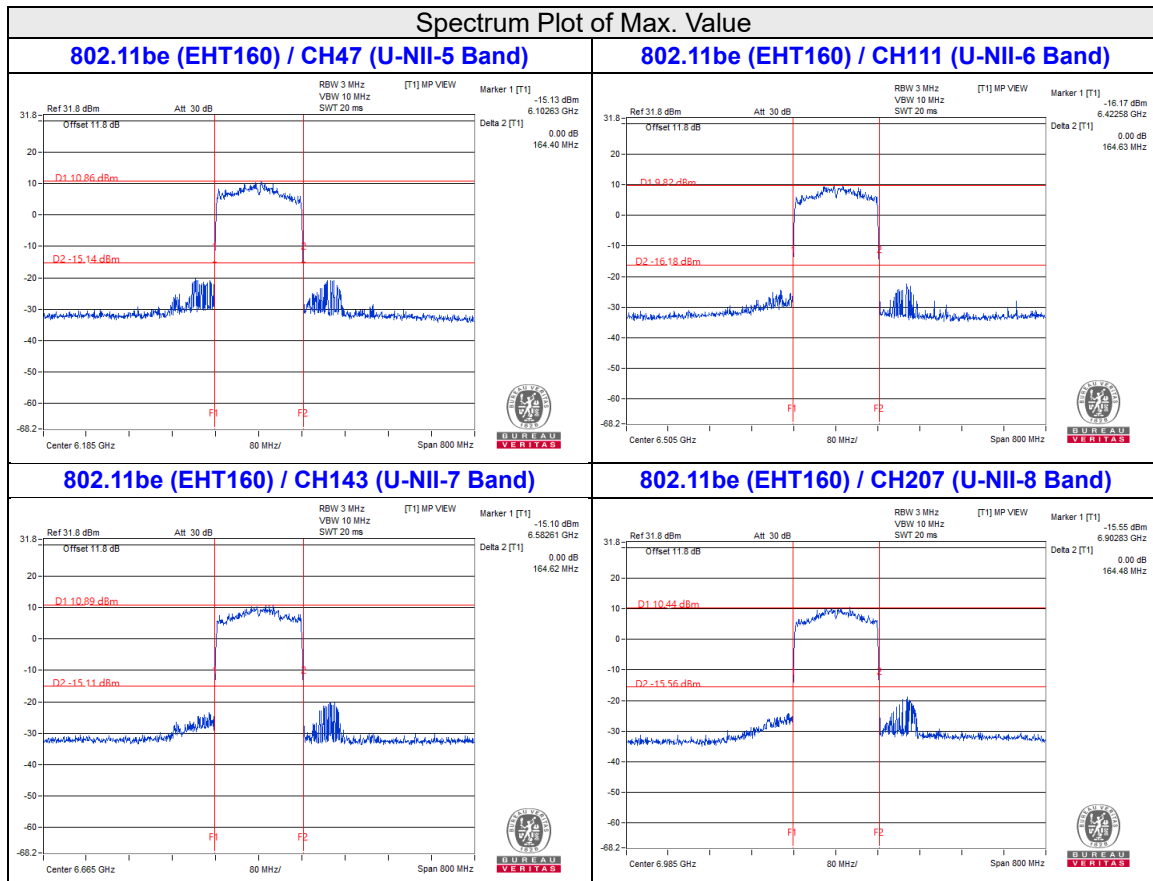












4.5.6 Test Results (Mode 2)

99% Occupied Bandwidth:

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
1	5955	16.32	16.32	320
45	6175	16.32	16.32	320
93	6415	16.32	16.32	320
97	6435	16.38	16.32	320
105	6475	16.32	16.38	320
113	6515	16.38	16.32	320
117	6535	16.32	16.32	320
153	6715	16.38	16.32	320
181	6855	16.32	16.26	320
185	6875	16.32	16.32	320
213	7015	16.26	16.32	320
233	7115	16.32	16.38	320

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
1	5955	18.78	18.78	320
233	7115	18.84	18.78	320

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
3	5965	37.80	37.68	320
227	7085	37.68	37.68	320

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
7	5985	77.04	76.56	320
215	7025	76.80	77.28	320

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
15	6025	155.04	156.00	320
47	6185	156.00	155.52	320
79	6345	156.00	155.52	320
111	6505	156.48	155.52	320
143	6665	156.00	155.04	320
175	6825	155.52	156.00	320
207	6985	155.52	155.52	320

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
1	5955	18.78	18.78	320
45	6175	18.84	18.72	320
93	6415	18.78	18.78	320
97	6435	18.72	18.78	320
105	6475	18.78	18.78	320
113	6515	18.72	18.84	320
117	6535	18.78	18.72	320
153	6715	18.84	18.78	320
181	6855	18.72	18.72	320
185	6875	18.78	18.78	320
213	7015	18.72	18.84	320
233	7115	18.90	18.78	320

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
3	5965	37.68	37.68	320
43	6165	37.68	37.80	320
91	6405	37.56	37.68	320
99	6445	37.68	37.68	320
107	6485	37.80	37.56	320
115	6525	37.56	37.68	320
123	6565	37.80	37.56	320
155	6725	37.80	37.56	320
179	6845	37.56	37.80	320
187	6885	37.68	37.44	320
211	7005	37.56	37.56	320
227	7085	37.68	37.68	320

802.11be (EHT80)

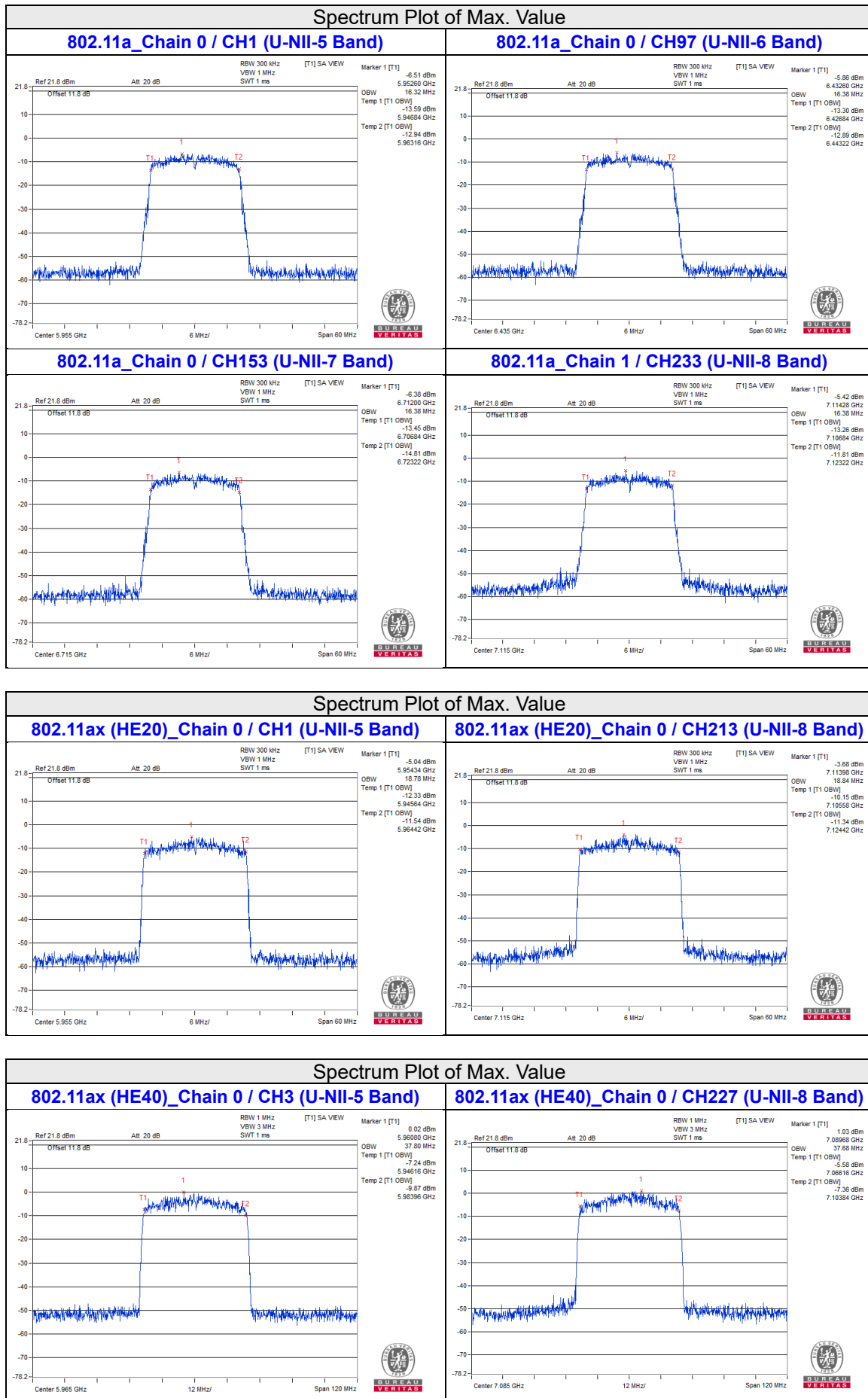
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
7	5985	76.80	77.04	320
39	6145	76.56	77.04	320
87	6385	76.56	76.80	320
103	6465	76.80	76.56	320
119	6545	76.32	76.80	320
135	6625	77.04	76.80	320
151	6705	77.04	76.80	320
167	6785	77.04	77.04	320
183	6865	77.04	77.04	320
199	6945	76.80	77.28	320
215	7025	76.80	77.04	320

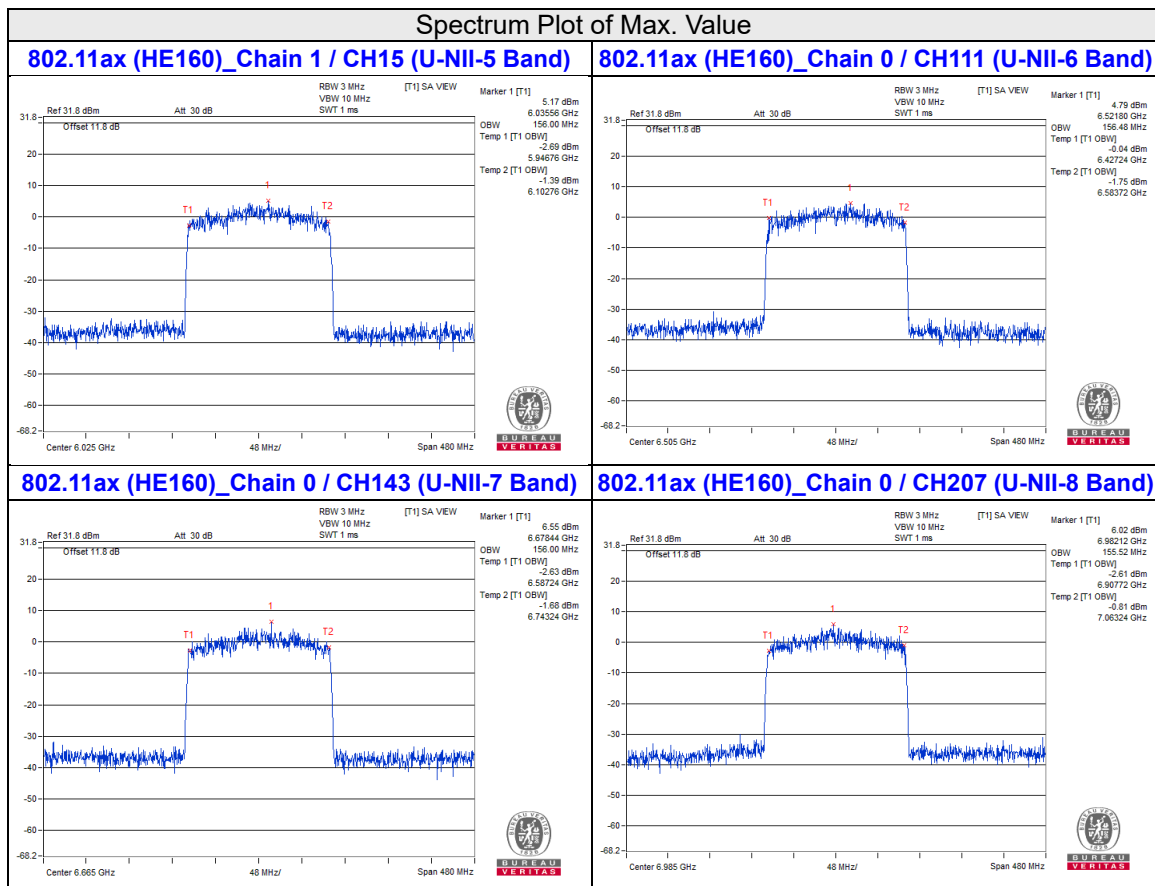
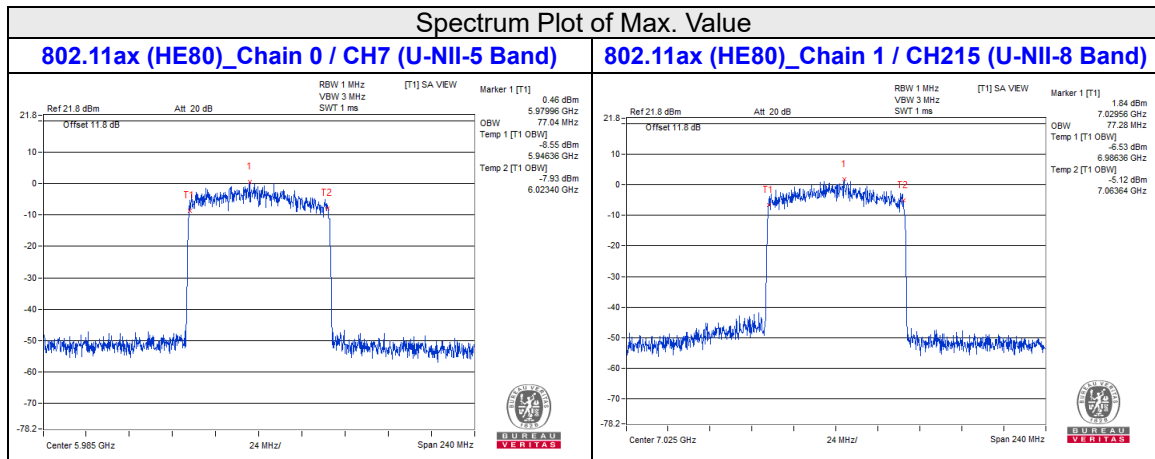
802.11be (EHT160)

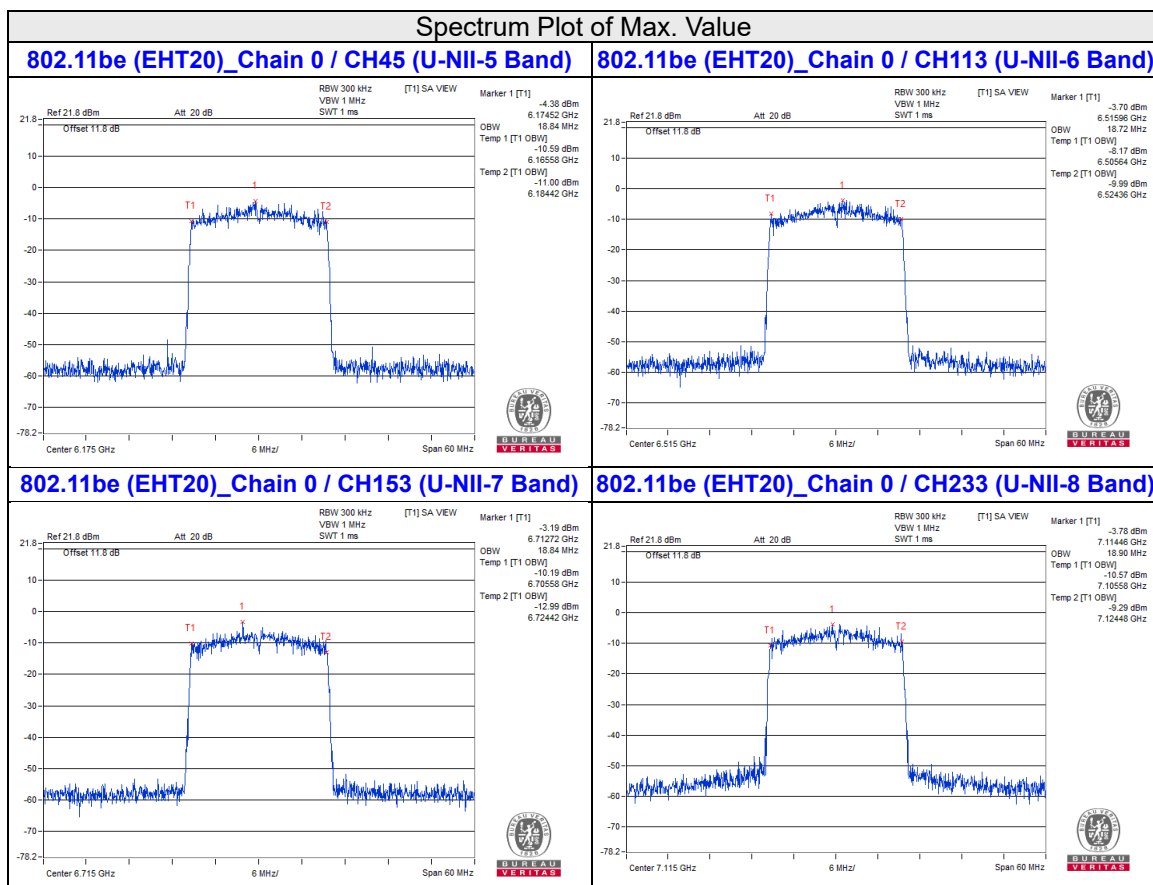
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
15	6025	155.52	156.48	320
47	6185	155.52	155.52	320
79	6345	156.96	155.52	320
111	6505	156.00	154.56	320
143	6665	155.52	155.52	320
175	6825	156.00	155.52	320
207	6985	154.56	155.52	320

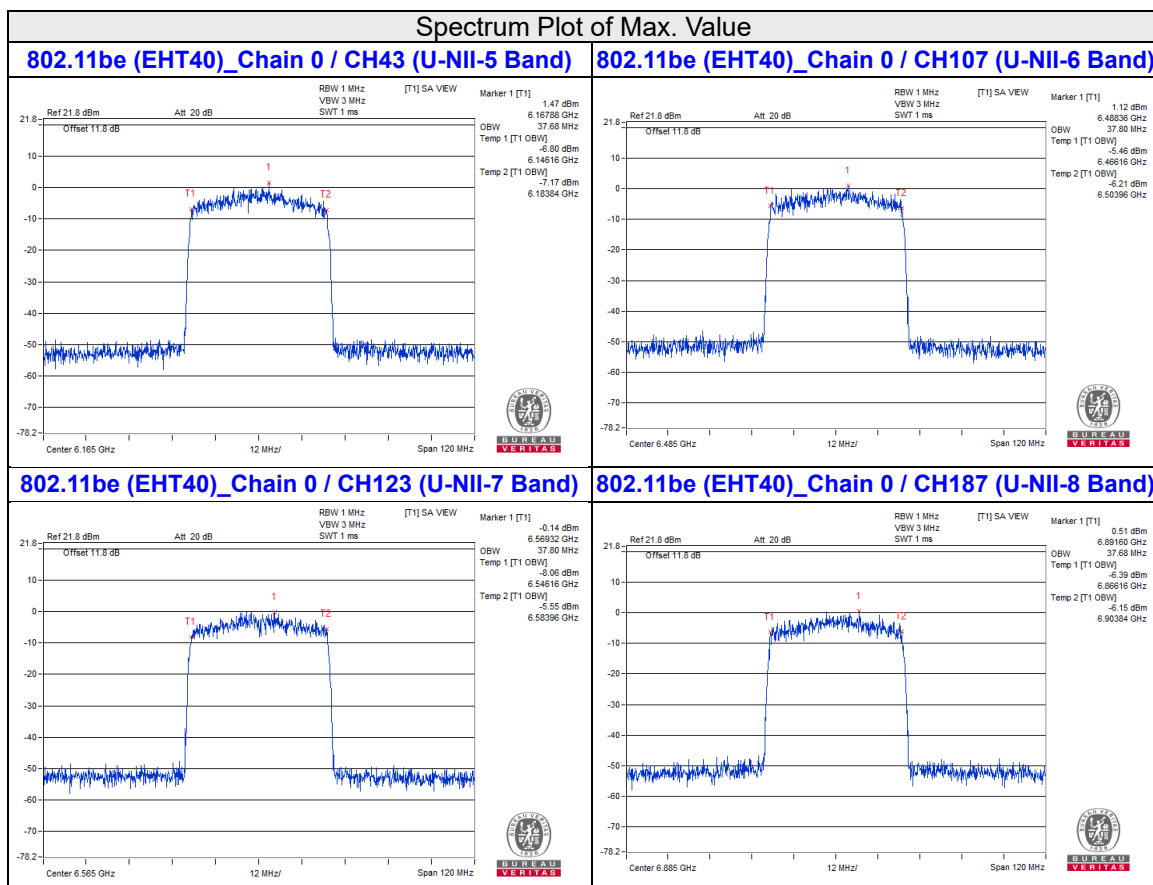
802.11be (EHT320)

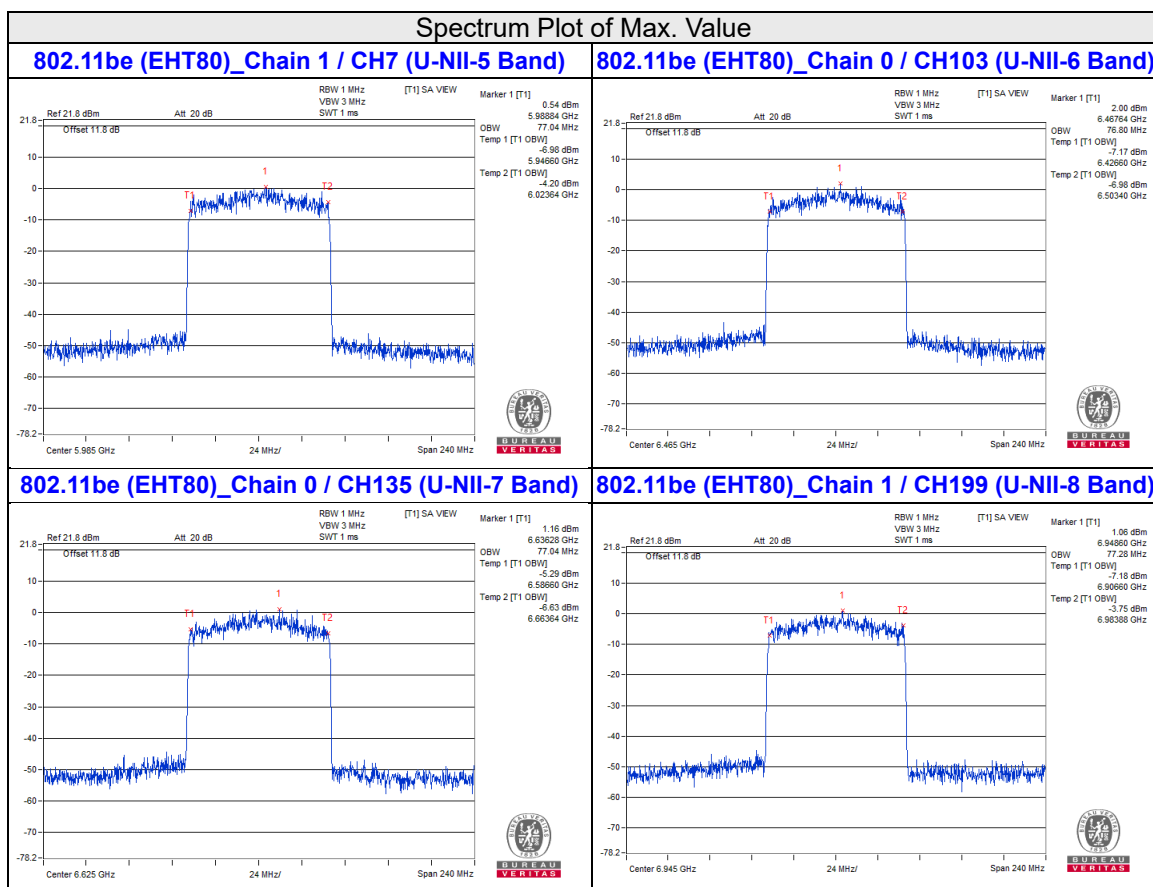
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
		Chain 0	Chain 1	
31	6105	314.88	314.88	320
63	6265	312.96	312.96	320
95	6425	313.92	312.96	320
127	6585	312.96	312.00	320
159	6745	315.84	314.88	320
191	6905	312.00	310.08	320





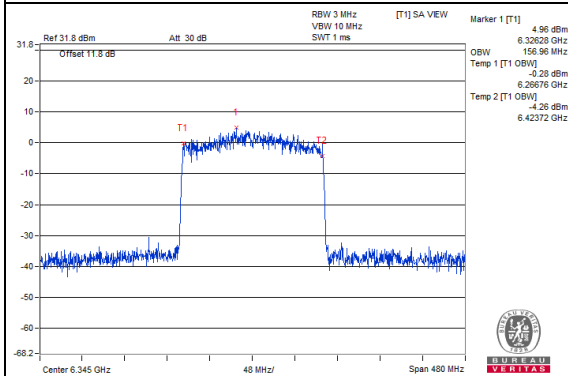




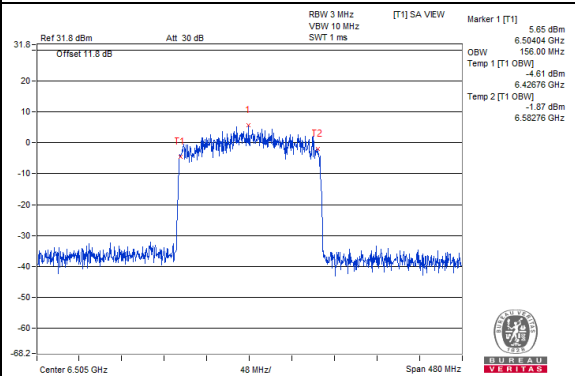


Spectrum Plot of Max. Value

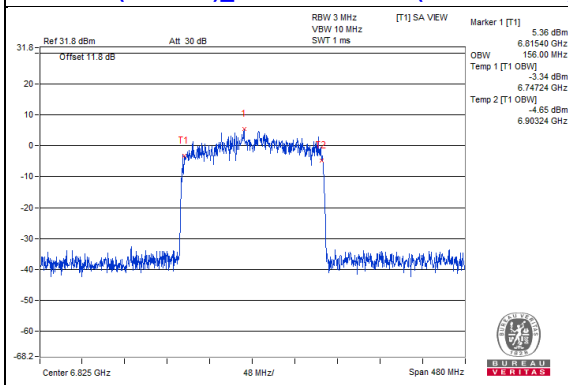
802.11be (EHT160)_Chain0 / CH79 (U-NII-5 Band)



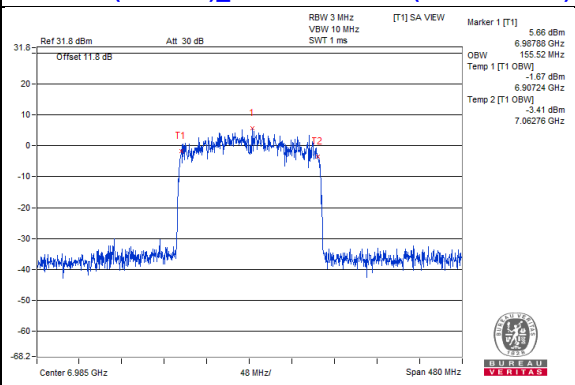
802.11be (EHT160)_Chain0 / CH111 (U-NII-6 Band)



802.11be (EHT160)_Chain0 / CH175 (U-NII-7 Band)

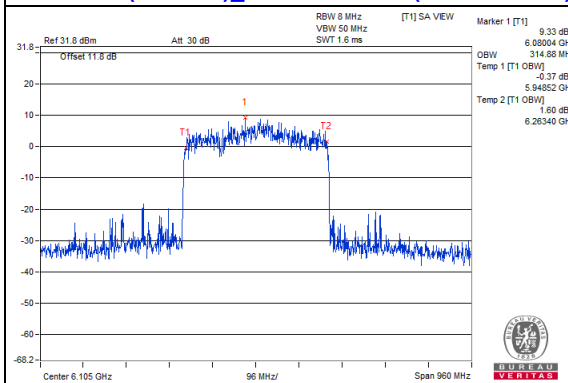


802.11be (EHT160)_Chain1 / CH207 (U-NII-8 Band)

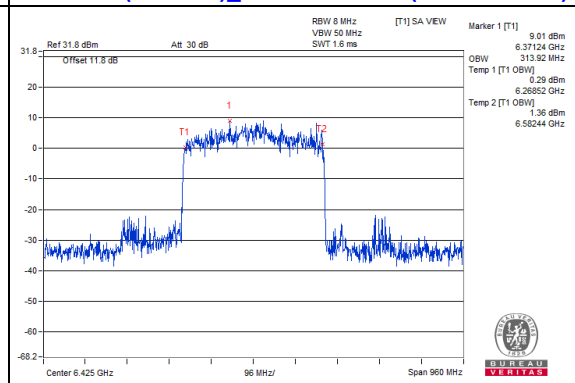


Spectrum Plot of Max. Value

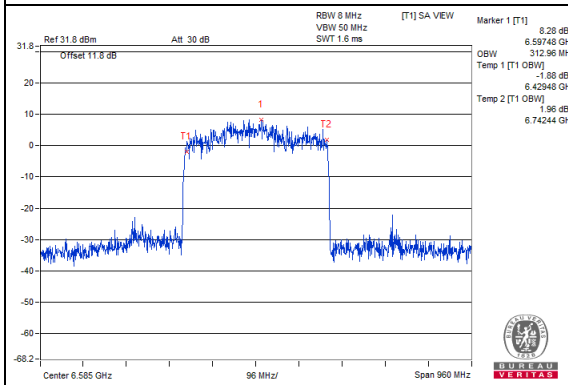
802.11be (EHT320)_Chain0 / CH31 (U-NII-5 Band)



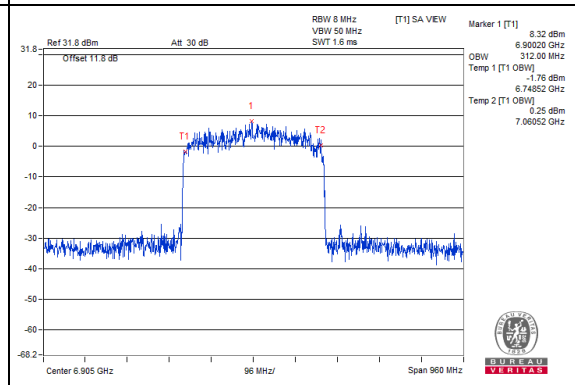
802.11be (EHT320)_Chain0 / CH95 (U-NII-6 Band)



802.11be (EHT320)_Chain0 / CH127 (U-NII-7 Band)



802.11be (EHT320)_Chain0 / CH191 (U-NII-8 Band)



26dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	18.64	18.29
45	6175	18.48	18.29
93	6415	18.64	18.26
97	6435	18.53	18.31
105	6475	18.67	18.32
113	6515	18.46	18.16
117	6535	18.65	18.22
153	6715	18.60	18.23
181	6855	18.64	18.28
185	6875	18.60	18.27
213	7015	18.60	18.27
233	7115	18.45	18.27

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	19.91	19.95
233	7115	19.94	19.85

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	40.23	40.50
227	7085	40.25	40.43

802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	80.32	80.33
215	7025	80.41	80.29

802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	164.19	164.21
47	6185	164.60	164.50
79	6345	164.49	164.42
111	6505	164.47	164.28
143	6665	164.68	164.40
175	6825	164.48	164.20
207	6985	164.51	164.50

802.11be (EHT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
1	5955	19.95	19.95
45	6175	19.98	19.90
93	6415	19.93	19.90
97	6435	19.94	19.91
105	6475	19.97	19.90
113	6515	19.85	19.92
117	6535	19.96	19.88
153	6715	19.95	19.97
181	6855	19.93	19.91
185	6875	19.97	19.95
213	7015	19.89	19.89
233	7115	19.95	19.91

802.11be (EHT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
3	5965	40.27	40.21
43	6165	40.33	40.37
91	6405	40.13	40.30
99	6445	40.23	40.19
107	6485	40.40	40.20
115	6525	40.23	40.27
123	6565	40.31	40.34
155	6725	40.21	40.35
179	6845	40.28	40.12
187	6885	40.26	40.33
211	7005	40.22	40.20
227	7085	40.28	40.14

802.11be (EHT80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
7	5985	80.16	80.36
39	6145	80.26	80.32
87	6385	80.34	80.39
103	6465	80.38	80.22
119	6545	80.26	80.19
135	6625	80.30	80.34
151	6705	80.34	80.20
167	6785	80.33	80.17
183	6865	80.30	80.34
199	6945	80.41	80.26
215	7025	80.33	80.25

802.11be (EHT160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
15	6025	164.31	164.34
47	6185	164.12	164.63
79	6345	164.50	164.49
111	6505	163.90	164.19
143	6665	164.10	164.44
175	6825	164.24	164.46
207	6985	164.35	164.80

802.11be (EHT320)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
31	6105	464.64	329.51
63	6265	329.53	329.35
95	6425	329.36	328.68
127	6585	328.83	328.07
159	6745	329.24	329.27
191	6905	328.98	331.00

