Above 1GHz:

Beamforming

5150-5250 MHz

802.11ac VHT20 Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	50.35	5.67	56.02	68.20	-12.18	104	13	Peak
15540.000	30.78	6.26	37.04	54.00	-16.96	155	222	Average
15540.000	43.33	6.26	49.59	74.00	-24.41	155	222	Peak
17745.000	33.26	17.81	51.07	54.00	-2.93	150	316	Average
17745.000	45.35	17.81	63.16	74.00	-10.84	150	316	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	48.37	5.67	54.04	68.20	-14.16	196	30	Peak
15540.000	31.36	6.26	37.62	54.00	-16.38	157	7	Average
15540.000	42.88	6.26	49.14	74.00	-24.86	157	7	Peak
17779.000	33.07	18.01	51.08	54.00	-2.92	150	306	Average
17779.000	45.09	18.01	63.10	74.00	-10.90	150	306	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	47.70	5.69	53.39	68.20	-14.81	112	13	Peak
15600.000	30.43	5.88	36.31	54.00	-17.69	146	221	Average
15600.000	41.92	5.88	47.80	74.00	-26.20	146	221	Peak
17762.000	32.96	17.91	50.87	54.00	-3.13	150	77	Average
17762.000	45.07	17.91	62.98	74.00	-11.02	150	77	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	48.42	5.69	54.11	68.20	-14.09	104	340	Peak
15600.000	30.90	5.88	36.78	54.00	-17.22	152	32	Average
15600.000	42.59	5.88	48.47	74.00	-25.53	152	32	Peak
17779.000	33.25	18.01	51.26	54.00	-2.74	150	145	Average
17779.000	46.31	18.01	64.32	74.00	-9.68	150	145	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	49.00	5.78	54.78	68.20	-13.42	109	27	Peak
15720.000	32.37	6.18	38.55	54.00	-15.45	158	173	Average
15720.000	45.00	6.18	51.18	74.00	-22.82	158	173	Peak
17813.000	33.00	18.16	51.16	54.00	-2.84	150	332	Average
17813.000	44.23	18.16	62.39	74.00	-11.61	150	332	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	49.94	5.78	55.72	68.20	-12.48	106	360	Peak
15720.000	32.97	6.18	39.15	54.00	-14.85	158	219	Average
15720.000	45.06	6.18	51.24	74.00	-22.76	158	219	Peak
17813.000	32.81	18.16	50.97	54.00	-3.03	150	22	Average
17813.000	44.80	18.16	62.96	74.00	-11.04	150	22	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5190 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	49.39	5.68	55.07	68.20	-13.13	108	10	Peak
14481.000	30.42	11.09	41.51	54.00	-12.49	150	112	Average
14481.000	42.89	11.09	53.98	74.00	-20.02	150	112	Peak
15570.000	29.94	6.07	36.01	54.00	-17.99	156	229	Average
15570.000	42.50	6.07	48.57	74.00	-25.43	156	229	Peak
17779.000	32.86	18.01	50.87	54.00	-3.13	150	320	Average
17779.000	44.63	18.01	62.64	74.00	-11.36	150	320	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	46.55	5.68	52.23	68.20	-15.97	137	30	Peak
15570.000	30.20	6.07	36.27	54.00	-17.73	145	205	Average
15570.000	41.49	6.07	47.56	74.00	-26.44	145	205	Peak
17779.000	33.13	18.01	51.14	54.00	-2.86	150	332	Average
17779.000	44.69	18.01	62.70	74.00	-11.30	150	332	Peak

5230 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	48.07	5.75	53.82	68.20	-14.38	155	28	Peak
15690.000	32.29	6.24	38.53	54.00	-15.47	141	166	Average
15690.000	43.56	6.24	49.80	74.00	-24.20	141	166	Peak
17779.000	33.40	18.01	51.41	54.00	-2.59	150	22	Average
17779.000	44.45	18.01	62.46	74.00	-11.54	150	22	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	48.79	5.75	54.54	68.20	-13.66	132	345	Peak
15690.000	32.45	6.24	38.69	54.00	-15.31	156	232	Average
15690.000	43.93	6.24	50.17	74.00	-23.83	156	232	Peak
17745.000	33.15	17.81	50.96	54.00	-3.04	150	11	Average
17745.000	44.78	17.81	62.59	74.00	-11.41	150	11	Peak

802.11ac VHT80 Mode:

5210 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	48.20	5.71	53.91	68.20	-14.29	108	35	Peak
15630.000	31.39	6.00	37.39	54.00	-16.61	149	52	Average
15630.000	42.33	6.00	48.33	74.00	-25.67	149	52	Peak
17745.000	33.07	17.81	50.88	54.00	-3.12	150	166	Average
17745.000	44.17	17.81	61.98	74.00	-12.02	150	166	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	48.07	5.71	53.78	68.20	-14.42	108	339	Peak
15630.000	31.54	6.00	37.54	54.00	-16.46	153	201	Average
15630.000	43.02	6.00	49.02	74.00	-24.98	153	201	Peak
17830.000	32.95	18.21	51.16	54.00	-2.84	150	25	Average
17830.000	44.55	18.21	62.76	74.00	-11.24	150	25	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	50.25	5.67	55.92	68.20	-12.28	104	7	Peak
15540.000	31.12	6.26	37.38	54.00	-16.62	142	206	Average
15540.000	43.71	6.26	49.97	74.00	-24.03	142	206	Peak
17796.000	33.00	18.11	51.11	54.00	-2.89	150	118	Average
17796.000	45.13	18.11	63.24	74.00	-10.76	150	118	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	47.92	5.67	53.59	68.20	-14.61	107	343	Peak
15540.000	31.12	6.26	37.38	54.00	-16.62	158	115	Average
15540.000	42.29	6.26	48.55	74.00	-25.45	158	115	Peak
17830.000	32.75	18.21	50.96	54.00	-3.04	150	138	Average
17830.000	43.81	18.21	62.02	74.00	-11.98	150	138	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	48.27	5.69	53.96	68.20	-14.24	108	14	Peak
14498.000	30.25	11.13	41.38	54.00	-12.62	150	113	Average
14498.000	42.82	11.13	53.95	74.00	-20.05	150	113	Peak
15600.000	30.51	5.88	36.39	54.00	-17.61	147	156	Average
15600.000	42.68	5.88	48.56	74.00	-25.44	147	156	Peak
17762.000	32.98	17.91	50.89	54.00	-3.11	150	228	Average
17762.000	45.02	17.91	62.93	74.00	-11.07	150	228	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	49.37	5.69	55.06	68.20	-13.14	108	316	Peak
14481.000	30.28	11.09	41.37	54.00	-12.63	150	109	Average
14481.000	43.33	11.09	54.42	74.00	-19.58	150	109	Peak
15600.000	30.57	5.88	36.45	54.00	-17.55	157	215	Average
15600.000	42.87	5.88	48.75	74.00	-25.25	157	215	Peak
17779.000	33.09	18.01	51.10	54.00	-2.90	150	338	Average
17779.000	45.19	18.01	63.20	74.00	-10.80	150	338	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	49.10	5.78	54.88	68.20	-13.32	134	24	Peak
15720.000	32.29	6.18	38.47	54.00	-15.53	151	119	Average
15720.000	44.31	6.18	50.49	74.00	-23.51	151	119	Peak
17779.000	32.89	18.01	50.90	54.00	-3.10	150	143	Average
17779.000	44.96	18.01	62.97	74.00	-11.03	150	143	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	50.26	5.78	56.04	68.20	-12.16	103	358	Peak
14447.000	42.73	11.02	53.75	68.20	-14.45	150	221	Peak
15720.000	32.19	6.18	38.37	54.00	-15.63	159	19	Average
15720.000	44.93	6.18	51.11	74.00	-22.89	159	19	Peak
17796.000	32.79	18.11	50.90	54.00	-3.10	150	107	Average
17796.000	44.27	18.11	62.38	74.00	-11.62	150	107	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5190 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	48.77	5.68	54.45	68.20	-13.75	103	9	Peak
15570.000	30.25	6.07	36.32	54.00	-17.68	158	320	Average
15570.000	42.29	6.07	48.36	74.00	-25.64	158	320	Peak
17762.000	33.33	17.91	51.24	54.00	-2.76	150	113	Average
17762.000	44.85	17.91	62.76	74.00	-11.24	150	113	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	47.86	5.68	53.54	68.20	-14.66	106	339	Peak
15570.000	30.05	6.07	36.12	54.00	-17.88	157	202	Average
15570.000	42.04	6.07	48.11	74.00	-25.89	157	202	Peak
17779.000	32.94	18.01	50.95	54.00	-3.05	150	199	Average
17779.000	44.51	18.01	62.52	74.00	-11.48	150	199	Peak

5230 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	47.58	5.75	53.33	68.20	-14.87	134	27	Peak
15690.000	32.44	6.24	38.68	54.00	-15.32	152	326	Average
15690.000	43.42	6.24	49.66	74.00	-24.34	152	326	Peak
17830.000	32.82	18.21	51.03	54.00	-2.97	150	221	Average
17830.000	43.97	18.21	62.18	74.00	-11.82	150	221	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	46.48	5.75	52.23	68.20	-15.97	152	25	Peak
15690.000	32.51	6.24	38.75	54.00	-15.25	149	44	Average
15690.000	44.73	6.24	50.97	74.00	-23.03	149	44	Peak
17779.000	32.89	18.01	50.90	54.00	-3.10	150	332	Average
17779.000	44.57	18.01	62.58	74.00	-11.42	150	332	Peak

802.11ax HE80 Mode:

5210 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	46.80	5.71	52.51	68.20	-15.69	111	33	Peak
15630.000	31.42	6.00	37.42	54.00	-16.58	148	308	Average
15630.000	42.23	6.00	48.23	74.00	-25.77	148	308	Peak
17796.000	32.69	18.11	50.80	54.00	-3.20	150	193	Average
17796.000	45.57	18.11	63.68	74.00	-10.32	150	193	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	48.34	5.71	54.05	68.20	-14.15	107	341	Peak
15630.000	31.57	6.00	37.57	54.00	-16.43	151	205	Average
15630.000	43.46	6.00	49.46	74.00	-24.54	151	205	Peak
17762.000	33.36	17.91	51.27	54.00	-2.73	150	332	Average
17762.000	44.43	17.91	62.34	74.00	-11.66	150	332	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

5725-5850 MHz

802.11ac VHT20 Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	43.82	1.09	44.91	54.00	-9.09	150	114	Average
7664.000	47.89	1.09	48.98	74.00	-25.02	150	114	Peak
11490.000	44.95	7.50	52.45	54.00	-1.55	101	13	Average
11490.000	47.07	7.50	54.57	74.00	-19.43	101	13	Peak
14447.000	44.03	11.02	55.05	68.20	-13.15	150	205	Peak
17235.000	41.31	12.59	53.90	68.20	-14.30	158	305	Peak
17796.000	32.96	18.11	51.07	54.00	-2.93	150	223	Average
17796.000	44.49	18.11	62.60	74.00	-11.40	150	223	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	50.34	1.09	51.43	54.00	-2.57	150	59	Average
7664.000	52.50	1.09	53.59	74.00	-20.41	150	59	Peak
11490.000	43.38	7.50	50.88	54.00	-3.12	143	18	Average
11490.000	45.47	7.50	52.97	74.00	-21.03	143	18	Peak
14464.000	43.26	11.05	54.31	68.20	-13.89	150	110	Peak
17235.000	42.33	12.59	54.92	68.20	-13.28	158	285	Peak
17796.000	33.11	18.11	51.22	54.00	-2.78	150	213	Average
17796.000	44.74	18.11	62.85	74.00	-11.15	150	213	Peak

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	47.33	1.02	48.35	54.00	-5.65	150	42	Average
7715.000	49.92	1.02	50.94	74.00	-23.06	150	42	Peak
11570.000	44.16	7.66	51.82	54.00	-2.18	105	42	Average
11570.000	46.72	7.66	54.38	74.00	-19.62	105	42	Peak
14481.000	30.47	11.09	41.56	54.00	-12.44	150	203	Average
14481.000	43.07	11.09	54.16	74.00	-19.84	150	203	Peak
17355.000	41.35	13.55	54.90	68.20	-13.30	143	55	Peak
17813.000	33.07	18.16	51.23	54.00	-2.77	150	116	Average
17813.000	44.90	18.16	63.06	74.00	-10.94	150	116	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	47.35	1.02	48.37	54.00	-5.63	150	208	Average
7715.000	50.32	1.02	51.34	74.00	-22.66	150	208	Peak
11570.000	45.68	7.66	53.34	54.00	-0.66	106	0	Average
11570.000	46.69	7.66	54.35	74.00	-19.65	106	0	Peak
17355.000	41.51	13.55	55.06	68.20	-13.14	158	102	Peak
17779.000	33.21	18.01	51.22	54.00	-2.78	150	113	Average
17779.000	44.61	18.01	62.62	74.00	-11.38	150	113	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	53.11	1.05	54.16	68.20	-14.04	150	208	Peak
11650.000	44.33	7.93	52.26	54.00	-1.74	121	21	Average
11650.000	47.43	7.93	55.36	74.00	-18.64	121	21	Peak
17475.000	41.79	14.75	56.54	68.20	-11.66	154	145	Peak
17796.000	33.21	18.11	51.32	54.00	-2.68	150	11	Average
17796.000	44.50	18.11	62.61	74.00	-11.39	150	11	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	48.48	1.05	49.53	68.20	-18.67	150	258	Peak
11650.000	44.17	7.93	52.10	54.00	-1.90	126	0	Average
11650.000	46.73	7.93	54.66	74.00	-19.34	126	0	Peak
14430.000	43.69	10.99	54.68	68.20	-13.52	150	300	Peak
17475.000	41.57	14.75	56.32	68.20	-11.88	146	112	Peak
17745.000	33.28	17.81	51.09	54.00	-2.91	150	131	Average
17745.000	45.30	17.81	63.11	74.00	-10.89	150	131	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5755 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	42.31	1.09	43.40	54.00	-10.60	150	158	Average
7664.000	46.62	1.09	47.71	74.00	-26.29	150	158	Peak
11510.000	44.21	7.53	51.74	54.00	-2.26	134	351	Average
11510.000	47.06	7.53	54.59	74.00	-19.41	134	351	Peak
14481.000	36.63	11.09	47.72	54.00	-6.28	150	142	Average
14481.000	42.79	11.09	53.88	74.00	-20.12	150	142	Peak
17265.000	42.10	12.90	55.00	68.20	-13.20	156	299	Peak
17796.000	33.10	18.11	51.21	54.00	-2.79	150	223	Average
17796.000	45.54	18.11	63.65	74.00	-10.35	150	223	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	48.55	1.09	49.64	54.00	-4.36	150	143	Average
7664.000	50.94	1.09	52.03	74.00	-21.97	150	143	Peak
11510.000	44.05	7.53	51.58	54.00	-2.42	105	15	Average
11510.000	48.55	7.53	56.08	74.00	-17.92	105	15	Peak
14481.000	38.53	11.09	49.62	54.00	-4.38	150	305	Average
14481.000	43.45	11.09	54.54	74.00	-19.46	150	305	Peak
17265.000	42.39	12.90	55.29	68.20	-12.91	147	227	Peak
17779.000	32.73	18.01	50.74	54.00	-3.26	150	228	Average
17779.000	45.05	18.01	63.06	74.00	-10.94	150	228	Peak

5795 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	40.59	1.02	41.61	54.00	-12.39	150	253	Average
7732.000	45.76	1.02	46.78	74.00	-27.22	150	253	Peak
11590.000	44.86	7.71	52.57	54.00	-1.43	103	351	Average
11590.000	46.10	7.71	53.81	74.00	-20.19	103	351	Peak
14481.000	41.15	11.09	52.24	54.00	-1.76	150	360	Average
14481.000	46.54	11.09	57.63	74.00	-16.37	150	360	Peak
17385.000	41.43	13.67	55.10	68.20	-13.10	143	100	Peak
17745.000	33.29	17.81	51.10	54.00	-2.90	150	22	Average
17745.000	45.10	17.81	62.91	74.00	-11.09	150	22	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	50.21	1.02	51.23	54.00	-2.77	150	326	Average
7732.000	51.93	1.02	52.95	74.00	-21.05	150	326	Peak
11590.000	44.93	7.71	52.64	54.00	-1.36	143	17	Average
11590.000	48.11	7.71	55.82	74.00	-18.18	143	17	Peak
17385.000	41.71	13.67	55.38	68.20	-12.82	155	203	Peak
17847.000	32.77	18.25	51.02	54.00	-2.98	150	182	Average
17847.000	44.40	18.25	62.65	74.00	-11.35	150	182	Peak

802.11ac VHT80 Mode:

5775 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	41.48	1.01	42.49	54.00	-11.51	150	49	Average
7698.000	47.05	1.01	48.06	74.00	-25.94	150	49	Peak
11550.000	44.41	7.61	52.02	54.00	-1.98	107	352	Average
11550.000	48.52	7.61	56.13	74.00	-17.87	107	352	Peak
14481.000	40.81	11.09	51.90	54.00	-2.10	150	325	Average
14481.000	45.09	11.09	56.18	74.00	-17.82	150	325	Peak
17325.000	42.11	13.40	55.51	68.20	-12.69	144	208	Peak
17745.000	33.33	17.81	51.14	54.00	-2.86	150	5	Average
17745.000	45.21	17.81	63.02	74.00	-10.98	150	5	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	49.36	1.01	50.37	54.00	-3.63	150	227	Average
7698.000	51.78	1.01	52.79	74.00	-21.21	150	227	Peak
11550.000	45.24	7.61	52.85	54.00	-1.15	138	16	Average
11550.000	46.95	7.61	54.56	74.00	-19.44	138	16	Peak
14498.000	32.46	11.13	43.59	54.00	-10.41	150	320	Average
14498.000	43.07	11.13	54.20	74.00	-19.80	150	320	Peak
17325.000	41.27	13.40	54.67	68.20	-13.53	156	185	Peak
17762.000	32.82	17.91	50.73	54.00	-3.27	150	185	Average
17762.000	45.16	17.91	63.07	74.00	-10.93	150	185	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	48.05	1.09	49.14	54.00	-4.86	150	113	Average
7664.000	50.76	1.09	51.85	74.00	-22.15	150	113	Peak
11490.000	44.77	7.50	52.27	54.00	-1.73	103	12	Average
11490.000	47.32	7.50	54.82	74.00	-19.18	103	12	Peak
17235.000	41.17	12.59	53.76	68.20	-14.44	157	305	Peak
17796.000	32.98	18.11	51.09	54.00	-2.91	150	113	Average
17796.000	45.08	18.11	63.19	74.00	-10.81	150	113	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	51.13	1.09	52.22	54.00	-1.78	150	82	Average
7664.000	52.69	1.09	53.78	74.00	-20.22	150	82	Peak
11490.000	45.46	7.50	52.96	54.00	-1.04	102	18	Average
11490.000	47.73	7.50	55.23	74.00	-18.77	102	18	Peak
17235.000	41.70	12.59	54.29	68.20	-13.91	144	320	Peak
17762.000	33.06	17.91	50.97	54.00	-3.03	150	205	Average
17762.000	45.95	17.91	63.86	74.00	-10.14	150	205	Peak

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	51.77	1.02	52.79	54.00	-1.21	150	355	Average
7715.000	53.55	1.02	54.57	74.00	-19.43	150	355	Peak
11570.000	44.03	7.66	51.69	54.00	-2.31	127	21	Average
11570.000	46.74	7.66	54.40	74.00	-19.60	127	21	Peak
17355.000	41.45	13.55	55.00	68.20	-13.20	143	164	Peak
17796.000	32.88	18.11	50.99	54.00	-3.01	150	192	Average
17796.000	45.29	18.11	63.40	74.00	-10.60	150	192	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	44.44	1.02	45.46	54.00	-8.54	150	205	Average
7715.000	48.45	1.02	49.47	74.00	-24.53	150	205	Peak
11570.000	43.81	7.66	51.47	54.00	-2.53	104	359	Average
11570.000	46.78	7.66	54.44	74.00	-19.56	104	359	Peak
17355.000	42.09	13.55	55.64	68.20	-12.56	159	319	Peak
17813.000	32.74	18.16	50.90	54.00	-3.10	150	133	Average
17813.000	43.88	18.16	62.04	74.00	-11.96	150	133	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	53.32	1.05	54.37	68.20	-13.83	150	168	Peak
11650.000	44.33	7.93	52.26	54.00	-1.74	112	18	Average
11650.000	47.16	7.93	55.09	74.00	-18.91	112	18	Peak
14430.000	43.48	10.99	54.47	68.20	-13.73	150	225	Peak
17475.000	40.54	14.75	55.29	68.20	-12.91	147	342	Peak
17779.000	32.81	18.01	50.82	54.00	-3.18	150	213	Average
17779.000	44.82	18.01	62.83	74.00	-11.17	150	213	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	49.50	1.05	50.55	68.20	-17.65	150	114	Peak
11650.000	44.46	7.93	52.39	54.00	-1.61	109	0	Average
11650.000	46.66	7.93	54.59	74.00	-19.41	109	0	Peak
17475.000	41.43	14.75	56.18	68.20	-12.02	150	108	Peak
17779.000	33.26	18.01	51.27	54.00	-2.73	150	213	Average
17779.000	44.92	18.01	62.93	74.00	-11.07	150	213	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5755 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	42.25	1.09	43.34	54.00	-10.66	150	2	Average
7664.000	46.43	1.09	47.52	74.00	-26.48	150	2	Peak
11510.000	44.79	7.53	52.32	54.00	-1.68	136	354	Average
11510.000	47.24	7.53	54.77	74.00	-19.23	136	354	Peak
17265.000	41.57	12.90	54.47	68.20	-13.73	158	149	Peak
17728.000	33.35	17.72	51.07	54.00	-2.93	150	132	Average
17728.000	44.99	17.72	62.71	74.00	-11.29	150	132	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	48.50	1.09	49.59	54.00	-4.41	150	305	Average
7664.000	50.99	1.09	52.08	74.00	-21.92	150	305	Peak
11510.000	44.90	7.53	52.43	54.00	-1.57	148	16	Average
11510.000	46.20	7.53	53.73	74.00	-20.27	148	16	Peak
17265.000	41.33	12.90	54.23	68.20	-13.97	142	272	Peak
17762.000	33.12	17.91	51.03	54.00	-2.97	150	132	Average
17762.000	44.55	17.91	62.46	74.00	-11.54	150	132	Peak

5795 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	39.39	1.02	40.41	54.00	-13.59	150	265	Average
7732.000	45.54	1.02	46.56	74.00	-27.44	150	265	Peak
11590.000	44.68	7.71	52.39	54.00	-1.61	103	351	Average
11590.000	48.26	7.71	55.97	74.00	-18.03	103	351	Peak
14481.000	40.92	11.09	52.01	54.00	-1.99	150	30	Average
14481.000	44.59	11.09	55.68	74.00	-18.32	150	30	Peak
17385.000	41.34	13.67	55.01	68.20	-13.19	151	228	Peak
17813.000	32.78	18.16	50.94	54.00	-3.06	150	115	Average
17813.000	44.68	18.16	62.84	74.00	-11.16	150	115	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	49.98	1.02	51.00	54.00	-3.00	150	207	Average
7732.000	52.37	1.02	53.39	74.00	-20.61	150	207	Peak
11590.000	44.65	7.71	52.36	54.00	-1.64	143	16	Average
11590.000	47.60	7.71	55.31	74.00	-18.69	143	16	Peak
17385.000	40.84	13.67	54.51	68.20	-13.69	155	336	Peak
17762.000	33.30	17.91	51.21	54.00	-2.79	150	285	Average
17762.000	45.43	17.91	63.34	74.00	-10.66	150	285	Peak

802.11ax HE80 Mode:

5775 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	43.70	1.01	44.71	54.00	-9.29	150	58	Average
7698.000	46.78	1.01	47.79	74.00	-26.21	150	58	Peak
11550.000	43.86	7.61	51.47	54.00	-2.53	105	352	Average
11550.000	46.16	7.61	53.77	74.00	-20.23	105	352	Peak
14481.000	39.62	11.09	50.71	54.00	-3.29	150	139	Average
14481.000	44.77	11.09	55.86	74.00	-18.14	150	139	Peak
17325.000	41.64	13.40	55.04	68.20	-13.16	141	113	Peak
17881.000	32.63	18.34	50.97	54.00	-3.03	150	227	Average
17881.000	44.16	18.34	62.50	74.00	-11.50	150	227	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	48.54	1.01	49.55	54.00	-4.45	150	52	Average
7698.000	51.03	1.01	52.04	74.00	-21.96	150	52	Peak
11550.000	45.15	7.61	52.76	54.00	-1.24	149	18	Average
11550.000	48.57	7.61	56.18	74.00	-17.82	149	18	Peak
17325.000	42.00	13.40	55.40	68.20	-12.80	144	77	Peak
17779.000	33.44	18.01	51.45	54.00	-2.55	150	218	Average
17779.000	45.21	18.01	63.22	74.00	-10.78	150	218	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Non Beamforming

5150-5250 MHz

802.11a Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	48.36	5.67	54.03	68.20	-14.17	119	13	Peak
14481.000	33.09	11.09	44.18	54.00	-9.82	150	196	Average
14481.000	42.67	11.09	53.76	74.00	-20.24	150	196	Peak
15540.000	30.51	6.26	36.77	54.00	-17.23	158	119	Average
15540.000	41.49	6.26	47.75	74.00	-26.25	158	119	Peak
17796.000	32.46	18.11	50.57	54.00	-3.43	150	203	Average
17796.000	44.16	18.11	62.27	74.00	-11.73	150	203	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	49.35	5.67	55.02	68.20	-13.18	116	334	Peak
15540.000	30.55	6.26	36.81	54.00	-17.19	158	203	Average
15540.000	42.81	6.26	49.07	74.00	-24.93	158	203	Peak
17813.000	33.13	18.16	51.29	54.00	-2.71	150	328	Average
17813.000	45.82	18.16	63.98	74.00	-10.02	150	328	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	47.38	5.69	53.07	68.20	-15.13	117	21	Peak
14481.000	35.70	11.09	46.79	54.00	-7.21	150	114	Average
14481.000	44.97	11.09	56.06	74.00	-17.94	150	114	Peak
15600.000	30.79	5.88	36.67	54.00	-17.33	146	228	Average
15600.000	41.91	5.88	47.79	74.00	-26.21	146	228	Peak
17762.000	33.62	17.91	51.53	54.00	-2.47	150	138	Average
17762.000	44.69	17.91	62.60	74.00	-11.40	150	138	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	49.09	5.69	54.78	68.20	-13.42	117	337	Peak
15600.000	30.77	5.88	36.65	54.00	-17.35	154	118	Average
15600.000	42.25	5.88	48.13	74.00	-25.87	154	118	Peak
17813.000	32.66	18.16	50.82	54.00	-3.18	150	323	Average
17813.000	44.19	18.16	62.35	74.00	-11.65	150	323	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	47.56	5.78	53.34	68.20	-14.86	130	8	Peak
15720.000	32.33	6.18	38.51	54.00	-15.49	157	15	Average
15720.000	44.83	6.18	51.01	74.00	-22.99	157	15	Peak
17796.000	32.67	18.11	50.78	54.00	-3.22	150	322	Average
17796.000	44.40	18.11	62.51	74.00	-11.49	150	322	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	49.16	5.78	54.94	68.20	-13.26	119	335	Peak
15720.000	32.13	6.18	38.31	54.00	-15.69	146	101	Average
15720.000	44.71	6.18	50.89	74.00	-23.11	146	101	Peak
17813.000	33.32	18.16	51.48	54.00	-2.52	150	221	Average
17813.000	44.71	18.16	62.87	74.00	-11.13	150	221	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT20 Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	48.30	5.67	53.97	68.20	-14.23	115	11	Peak
14481.000	35.54	11.09	46.63	54.00	-7.37	150	227	Average
14481.000	42.52	11.09	53.61	74.00	-20.39	150	227	Peak
15540.000	30.62	6.26	36.88	54.00	-17.12	148	20	Average
15540.000	41.63	6.26	47.89	74.00	-26.11	148	20	Peak
17796.000	32.85	18.11	50.96	54.00	-3.04	150	326	Average
17796.000	44.29	18.11	62.40	74.00	-11.60	150	326	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	48.81	5.67	54.48	68.20	-13.72	108	338	Peak
14447.000	43.67	11.02	54.69	68.20	-13.51	153	162	Peak
15540.000	30.61	6.26	36.87	54.00	-17.13	158	227	Average
15540.000	42.71	6.26	48.97	74.00	-25.03	158	227	Peak
17779.000	32.65	18.01	50.66	54.00	-3.34	150	316	Average
17779.000	44.85	18.01	62.86	74.00	-11.14	150	316	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	46.92	5.69	52.61	68.20	-15.59	113	10	Peak
15600.000	30.14	5.88	36.02	54.00	-17.98	141	209	Average
15600.000	41.60	5.88	47.48	74.00	-26.52	141	209	Peak
17830.000	32.80	18.21	51.01	54.00	-2.99	150	311	Average
17830.000	44.29	18.21	62.50	74.00	-11.50	150	311	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	48.62	5.69	54.31	68.20	-13.89	112	335	Peak
15600.000	30.21	5.88	36.09	54.00	-17.91	159	203	Average
15600.000	42.91	5.88	48.79	74.00	-25.21	159	203	Peak
17762.000	32.91	17.91	50.82	54.00	-3.18	150	335	Average
17762.000	45.39	17.91	63.30	74.00	-10.70	150	335	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	46.91	5.78	52.69	68.20	-15.51	130	12	Peak
15720.000	32.24	6.18	38.42	54.00	-15.58	158	226	Average
15720.000	44.90	6.18	51.08	74.00	-22.92	158	226	Peak
17796.000	32.96	18.11	51.07	54.00	-2.93	150	239	Average
17796.000	43.67	18.11	61.78	74.00	-12.22	150	239	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	48.44	5.78	54.22	68.20	-13.98	118	336	Peak
15720.000	32.23	6.18	38.41	54.00	-15.59	150	360	Average
15720.000	44.91	6.18	51.09	74.00	-22.91	150	360	Peak
17745.000	33.31	17.81	51.12	54.00	-2.88	150	125	Average
17745.000	44.32	17.81	62.13	74.00	-11.87	150	125	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5190 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	48.34	5.68	54.02	68.20	-14.18	112	13	Peak
14481.000	35.79	11.09	46.88	54.00	-7.12	150	325	Average
14481.000	43.10	11.09	54.19	74.00	-19.81	150	325	Peak
15570.000	29.41	6.07	35.48	54.00	-18.52	143	114	Average
15570.000	41.86	6.07	47.93	74.00	-26.07	143	114	Peak
17762.000	33.27	17.91	51.18	54.00	-2.82	150	227	Average
17762.000	46.02	17.91	63.93	74.00	-10.07	150	227	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	48.85	5.68	54.53	68.20	-13.67	105	337	Peak
14464.000	42.93	11.05	53.98	68.20	-14.22	150	205	Peak
15570.000	29.34	6.07	35.41	54.00	-18.59	156	273	Average
15570.000	41.59	6.07	47.66	74.00	-26.34	156	273	Peak
17762.000	32.67	17.91	50.58	54.00	-3.42	150	119	Average
17762.000	44.46	17.91	62.37	74.00	-11.63	150	119	Peak

5230 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	48.76	5.75	54.51	68.20	-13.69	104	333	Peak
15690.000	32.00	6.24	38.24	54.00	-15.76	146	228	Average
15690.000	43.71	6.24	49.95	74.00	-24.05	146	228	Peak
17796.000	32.76	18.11	50.87	54.00	-3.13	150	183	Average
17796.000	44.98	18.11	63.09	74.00	-10.91	150	183	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	48.74	5.75	54.49	68.20	-13.71	108	338	Peak
15690.000	32.30	6.24	38.54	54.00	-15.46	145	214	Average
15690.000	43.73	6.24	49.97	74.00	-24.03	145	214	Peak
17796.000	32.77	18.11	50.88	54.00	-3.12	150	117	Average
17796.000	44.38	18.11	62.49	74.00	-11.51	150	117	Peak

802.11ac VHT80 Mode:

5210 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	48.14	5.71	53.85	68.20	-14.35	132	9	Peak
15630.000	31.34	6.00	37.34	54.00	-16.66	155	305	Average
15630.000	42.51	6.00	48.51	74.00	-25.49	155	305	Peak
17762.000	32.72	17.91	50.63	54.00	-3.37	150	129	Average
17762.000	45.01	17.91	62.92	74.00	-11.08	150	129	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	47.51	5.71	53.22	68.20	-14.98	107	334	Peak
15630.000	31.09	6.00	37.09	54.00	-16.91	158	14	Average
15630.000	42.74	6.00	48.74	74.00	-25.26	158	14	Peak
17813.000	32.74	18.16	50.90	54.00	-3.10	150	329	Average
17813.000	43.88	18.16	62.04	74.00	-11.96	150	329	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5180 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	47.98	5.67	53.65	68.20	-14.55	119	12	Peak
14481.000	35.98	11.09	47.07	54.00	-6.93	150	205	Average
14481.000	43.35	11.09	54.44	74.00	-19.56	150	205	Peak
15540.000	30.58	6.26	36.84	54.00	-17.16	155	12	Average
15540.000	41.65	6.26	47.91	74.00	-26.09	155	12	Peak
17796.000	32.83	18.11	50.94	54.00	-3.06	150	339	Average
17796.000	44.10	18.11	62.21	74.00	-11.79	150	339	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	48.60	5.67	54.27	68.20	-13.93	110	337	Peak
15540.000	30.51	6.26	36.77	54.00	-17.23	151	209	Average
15540.000	42.86	6.26	49.12	74.00	-24.88	151	209	Peak
17779.000	33.16	18.01	51.17	54.00	-2.83	150	238	Average
17779.000	45.06	18.01	63.07	74.00	-10.93	150	238	Peak

5200 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	47.28	5.69	52.97	68.20	-15.23	117	11	Peak
14481.000	35.77	11.09	46.86	54.00	-7.14	150	199	Average
14481.000	47.62	11.09	53.71	74.00	-20.29	150	199	Peak
15600.000	30.17	5.88	36.05	54.00	-17.95	143	325	Average
15600.000	42.49	5.88	48.37	74.00	-25.63	143	325	Peak
17813.000	32.54	18.16	50.70	54.00	-3.30	150	228	Average
17813.000	43.71	18.16	61.87	74.00	-12.13	150	228	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.000	47.97	5.69	53.66	68.20	-14.54	112	336	Peak
15600.000	30.16	5.88	36.04	54.00	-17.96	154	33	Average
15600.000	42.84	5.88	48.72	74.00	-25.28	154	33	Peak
17796.000	32.55	18.11	50.66	54.00	-3.34	150	229	Average
17796.000	44.42	18.11	62.53	74.00	-11.47	150	229	Peak

5240 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	47.25	5.78	53.03	68.20	-15.17	129	11	Peak
14481.000	35.02	11.09	46.11	54.00	-7.89	150	243	Average
14481.000	42.23	11.09	53.32	74.00	-20.68	150	243	Peak
15720.000	32.14	6.18	38.32	54.00	-15.68	158	227	Average
15720.000	43.86	6.18	50.04	74.00	-23.96	158	227	Peak
17779.000	32.54	18.01	50.55	54.00	-3.45	150	316	Average
17779.000	44.71	18.01	62.72	74.00	-11.28	150	316	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10480.000	47.79	5.78	53.57	68.20	-14.63	118	336	Peak
15720.000	32.12	6.18	38.30	54.00	-15.70	156	209	Average
15720.000	44.21	6.18	50.39	74.00	-23.61	156	209	Peak
17779.000	32.81	18.01	50.82	54.00	-3.18	150	117	Average
17779.000	44.72	18.01	62.73	74.00	-11.27	150	117	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5190 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	47.96	5.68	53.64	68.20	-14.56	129	13	Peak
15570.000	29.35	6.07	35.42	54.00	-18.58	159	118	Average
15570.000	41.73	6.07	47.80	74.00	-26.20	159	118	Peak
17779.000	32.71	18.01	50.72	54.00	-3.28	150	82	Average
17779.000	44.86	18.01	62.87	74.00	-11.13	150	82	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	47.77	5.68	53.45	68.20	-14.75	105	336	Peak
15570.000	29.51	6.07	35.58	54.00	-18.42	154	26	Average
15570.000	40.86	6.07	46.93	74.00	-27.07	154	26	Peak
17745.000	33.04	17.81	50.85	54.00	-3.15	150	114	Average
17745.000	44.72	17.81	62.53	74.00	-11.47	150	114	Peak

5230 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	47.90	5.75	53.65	68.20	-14.55	116	332	Peak
15690.000	32.06	6.24	38.30	54.00	-15.70	158	360	Average
15690.000	43.62	6.24	49.86	74.00	-24.14	158	360	Peak
17745.000	33.11	17.81	50.92	54.00	-3.08	150	139	Average
17745.000	44.67	17.81	62.48	74.00	-11.52	150	139	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10460.000	48.63	5.75	54.38	68.20	-13.82	107	334	Peak
15690.000	32.03	6.24	38.27	54.00	-15.73	149	230	Average
15690.000	43.79	6.24	50.03	74.00	-23.97	149	230	Peak
17762.000	33.05	17.91	50.96	54.00	-3.04	150	329	Average
17762.000	44.60	17.91	62.51	74.00	-11.49	150	329	Peak

802.11ax HE80 Mode:

5210 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	46.48	5.71	52.19	68.20	-16.01	125	13	Peak
14464.000	42.64	11.05	53.69	68.20	-14.51	150	306	Peak
15630.000	31.13	6.00	37.13	54.00	-16.87	151	259	Average
15630.000	42.82	6.00	48.82	74.00	-25.18	151	259	Peak
17779.000	32.69	18.01	50.70	54.00	-3.30	150	143	Average
17779.000	44.09	18.01	62.10	74.00	-11.90	150	143	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	47.58	5.71	53.29	68.20	-14.91	110	334	Peak
15630.000	31.20	6.00	37.20	54.00	-16.80	144	326	Average
15630.000	42.73	6.00	48.73	74.00	-25.27	144	326	Peak
17796.000	32.61	18.11	50.72	54.00	-3.28	150	282	Average
17796.000	44.48	18.11	62.59	74.00	-11.41	150	282	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

5725-5850 MHz

802.11a TX Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	48.78	1.09	49.87	54.00	-4.13	150	68	Average
7664.000	51.64	1.09	52.73	74.00	-21.27	150	68	Peak
11490.000	43.70	7.50	51.20	54.00	-2.80	132	332	Average
11490.000	47.82	7.50	55.32	74.00	-18.68	132	332	Peak
14481.000	40.64	11.09	51.73	54.00	-2.27	150	107	Average
14481.000	46.65	11.09	57.74	74.00	-16.26	150	107	Peak
17235.000	42.21	12.59	54.80	68.20	-13.40	151	158	Peak
17813.000	33.08	18.16	51.24	54.00	-2.76	150	222	Average
17813.000	45.31	18.16	63.47	74.00	-10.53	150	222	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	48.63	1.09	49.72	54.00	-4.28	155	118	Average
7664.000	51.47	1.09	52.56	74.00	-21.44	155	118	Peak
11490.000	42.35	7.50	49.85	54.00	-4.15	122	15	Average
11490.000	48.06	7.50	55.56	74.00	-18.44	122	15	Peak
14481.000	32.17	11.09	43.26	54.00	-10.74	143	0	Average
14481.000	43.30	11.09	54.39	74.00	-19.61	143	0	Peak
17235.000	41.89	12.59	54.48	68.20	-13.72	154	28	Peak
17762.000	44.15	17.91	62.06	74.00	-11.94	156	206	Peak
17779.000	32.75	18.01	50.76	54.00	-3.24	156	206	Average

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	48.87	1.02	49.89	54.00	-4.11	150	208	Average
7715.000	51.41	1.02	52.43	74.00	-21.57	150	208	Peak
11570.000	44.99	7.66	52.65	54.00	-1.35	117	351	Average
11570.000	46.94	7.66	54.60	74.00	-19.40	117	351	Peak
14481.000	40.37	11.09	51.46	54.00	-2.54	150	14	Average
14481.000	45.58	11.09	56.67	74.00	-17.33	150	14	Peak
17355.000	40.95	13.55	54.50	68.20	-13.70	156	228	Peak
17779.000	33.01	18.01	51.02	54.00	-2.98	150	139	Average
17779.000	45.03	18.01	63.04	74.00	-10.96	150	139	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	46.69	1.02	47.71	54.00	-6.29	150	256	Average
7715.000	50.40	1.02	51.42	74.00	-22.58	150	256	Peak
11570.000	45.83	7.66	53.49	54.00	-0.51	126	358	Average
11570.000	47.52	7.66	55.18	74.00	-18.82	126	358	Peak
14481.000	38.86	11.09	49.95	54.00	-4.05	150	113	Average
14481.000	45.09	11.09	56.18	74.00	-17.82	150	113	Peak
17355.000	41.02	13.55	54.57	68.20	-13.63	156	221	Peak
17779.000	32.98	18.01	50.99	54.00	-3.01	150	214	Average
17779.000	44.80	18.01	62.81	74.00	-11.19	150	214	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	50.12	1.05	51.17	68.20	-17.03	150	82	Peak
11650.000	42.06	7.93	49.99	54.00	-4.01	153	348	Average
11650.000	44.93	7.93	52.86	74.00	-21.14	153	348	Peak
14481.000	38.76	11.09	49.85	54.00	-4.15	150	203	Average
14481.000	44.74	11.09	55.83	74.00	-18.17	150	203	Peak
17475.000	41.19	14.75	55.94	68.20	-12.26	142	119	Peak
17830.000	32.71	18.21	50.92	54.00	-3.08	150	311	Average
17830.000	45.36	18.21	63.57	74.00	-10.43	150	311	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	49.86	1.05	50.91	68.20	-17.29	150	228	Peak
11650.000	44.75	7.93	52.68	54.00	-1.32	128	357	Average
11650.000	49.53	7.93	57.46	74.00	-16.54	128	357	Peak
14481.000	38.01	11.09	49.10	54.00	-4.90	150	42	Average
14481.000	43.34	11.09	54.43	74.00	-19.57	150	42	Peak
17475.000	41.90	14.75	56.65	68.20	-11.55	157	229	Peak
17796.000	32.99	18.11	51.10	54.00	-2.90	150	139	Average
17796.000	44.76	18.11	62.87	74.00	-11.13	150	139	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT20 Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	47.64	1.09	48.73	54.00	-5.27	150	141	Average
7664.000	49.36	1.09	50.45	74.00	-23.55	150	141	Peak
11490.000	45.16	7.50	52.66	54.00	-1.34	110	350	Average
11490.000	46.90	7.50	54.40	74.00	-19.60	110	350	Peak
14481.000	42.41	11.09	53.50	54.00	-0.50	150	310	Average
14481.000	45.64	11.09	56.73	74.00	-17.27	150	310	Peak
17235.000	41.95	12.59	54.54	68.20	-13.66	158	25	Peak
17745.000	33.19	17.81	51.00	54.00	-3.00	150	229	Average
17745.000	44.76	17.81	62.57	74.00	-11.43	150	229	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	47.53	1.09	48.62	54.00	-5.38	150	220	Average
7664.000	50.17	1.09	51.26	74.00	-22.74	150	220	Peak
11490.000	41.48	7.50	48.98	54.00	-5.02	123	11	Average
11490.000	46.55	7.50	54.05	74.00	-19.95	123	11	Peak
17235.000	42.51	12.59	55.10	68.20	-13.10	141	328	Peak
17796.000	32.73	18.11	50.84	54.00	-3.16	150	153	Average
17796.000	44.56	18.11	62.67	74.00	-11.33	150	153	Peak

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	48.83	1.02	49.85	54.00	-4.15	150	147	Average
7715.000	51.29	1.02	52.31	74.00	-21.69	150	147	Peak
11570.000	44.33	7.66	51.99	54.00	-2.01	117	350	Average
11570.000	47.55	7.66	55.21	74.00	-18.79	117	350	Peak
14481.000	40.53	11.09	51.62	54.00	-2.38	150	220	Average
14481.000	46.12	11.09	57.21	74.00	-16.79	150	220	Peak
17355.000	41.22	13.55	54.77	68.20	-13.43	151	328	Peak
17728.000	33.09	17.72	50.81	54.00	-3.19	150	132	Average
17728.000	45.12	17.72	62.84	74.00	-11.16	150	132	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	47.48	1.02	48.50	54.00	-5.50	150	200	Average
7715.000	50.46	1.02	51.48	74.00	-22.52	150	200	Peak
11570.000	45.52	7.66	53.18	54.00	-0.82	122	359	Average
11570.000	47.42	7.66	55.08	74.00	-18.92	122	359	Peak
14481.000	39.46	11.09	50.55	54.00	-3.45	150	248	Average
14481.000	44.67	11.09	55.76	74.00	-18.24	150	248	Peak
17355.000	41.55	13.55	55.10	68.20	-13.10	143	316	Peak
17745.000	33.27	17.81	51.08	54.00	-2.92	150	113	Average
17745.000	45.53	17.81	63.34	74.00	-10.66	150	113	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	50.06	1.05	51.11	68.20	-17.09	150	22	Peak
11650.000	42.68	7.93	50.61	54.00	-3.39	141	351	Average
11650.000	47.00	7.93	54.93	74.00	-19.07	141	351	Peak
14464.000	42.56	11.05	53.61	68.20	-14.59	150	360	Peak
17475.000	41.08	14.75	55.83	68.20	-12.37	158	106	Peak
17796.000	33.00	18.11	51.11	54.00	-2.89	150	114	Average
17796.000	44.52	18.11	62.63	74.00	-11.37	150	114	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	50.67	1.05	51.72	68.20	-16.48	150	229	Peak
11650.000	45.12	7.93	53.05	54.00	-0.95	127	360	Average
11650.000	47.10	7.93	55.03	74.00	-18.97	127	360	Peak
14481.000	39.38	11.09	50.47	54.00	-3.53	150	218	Average
14481.000	45.10	11.09	56.19	74.00	-17.81	150	218	Peak
17475.000	40.76	14.75	55.51	68.20	-12.69	144	143	Peak
17796.000	33.00	18.11	51.11	54.00	-2.89	150	10	Average
17796.000	44.78	18.11	62.89	74.00	-11.11	150	10	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ac VHT40 Mode:

5755 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	43.53	1.09	44.62	54.00	-9.38	150	316	Average
7664.000	47.67	1.09	48.76	74.00	-25.24	150	316	Peak
11510.000	45.25	7.53	52.78	54.00	-1.22	101	10	Average
11510.000	47.85	7.53	55.38	74.00	-18.62	101	10	Peak
14481.000	33.98	11.09	45.07	54.00	-8.93	150	192	Average
14481.000	43.93	11.09	55.02	74.00	-18.98	150	192	Peak
17265.000	42.33	12.90	55.23	68.20	-12.97	159	28	Peak
17762.000	32.98	17.91	50.89	54.00	-3.11	150	114	Average
17762.000	44.88	17.91	62.79	74.00	-11.21	150	114	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	51.94	1.09	53.03	54.00	-0.97	150	206	Average
7664.000	54.03	1.09	55.12	74.00	-18.88	150	206	Peak
11510.000	43.92	7.53	51.45	54.00	-2.55	135	20	Average
11510.000	46.64	7.53	54.17	74.00	-19.83	135	20	Peak
17265.000	43.99	12.90	56.89	68.20	-11.31	158	124	Peak
17796.000	33.23	18.11	51.34	54.00	-2.66	150	227	Average
17796.000	44.46	18.11	62.57	74.00	-11.43	150	227	Peak

5795 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	46.40	1.02	47.42	54.00	-6.58	150	332	Average
7732.000	49.60	1.02	50.62	74.00	-23.38	150	332	Peak
11590.000	44.09	7.71	51.80	54.00	-2.20	107	10	Average
11590.000	45.95	7.71	53.66	74.00	-20.34	107	10	Peak
14481.000	36.94	11.09	48.03	54.00	-5.97	150	227	Average
14481.000	43.85	11.09	54.94	74.00	-19.06	150	227	Peak
17385.000	40.82	13.67	54.49	68.20	-13.71	142	156	Peak
17796.000	32.77	18.11	50.88	54.00	-3.12	150	325	Average
17796.000	44.05	18.11	62.16	74.00	-11.84	150	325	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	49.07	1.02	50.09	54.00	-3.91	150	352	Average
7732.000	51.58	1.02	52.60	74.00	-21.40	150	352	Peak
11590.000	45.06	7.71	52.77	54.00	-1.23	117	2	Average
11590.000	46.75	7.71	54.46	74.00	-19.54	117	2	Peak
14481.000	38.16	11.09	49.25	54.00	-4.75	150	110	Average
14481.000	44.35	11.09	55.44	74.00	-18.56	150	110	Peak
17385.000	40.89	13.67	54.56	68.20	-13.64	145	228	Peak
17796.000	32.66	18.11	50.77	54.00	-3.23	150	119	Average
17796.000	44.30	18.11	62.41	74.00	-11.59	150	119	Peak

802.11ac VHT80 Mode:

5775 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	45.57	1.01	46.58	54.00	-7.42	150	219	Average
7698.000	48.70	1.01	49.71	74.00	-24.29	150	219	Peak
11550.000	45.62	7.61	53.23	54.00	-0.77	109	11	Average
11550.000	47.49	7.61	55.10	74.00	-18.90	109	11	Peak
14481.000	33.61	11.09	44.70	54.00	-9.30	150	114	Average
14481.000	43.72	11.09	54.81	74.00	-19.19	150	114	Peak
17325.000	41.87	13.40	55.27	68.20	-12.93	148	22	Peak
17796.000	32.88	18.11	50.99	54.00	-3.01	150	318	Average
17796.000	45.86	18.11	63.97	74.00	-10.03	150	318	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	47.27	1.01	48.28	54.00	-5.72	150	300	Average
7698.000	49.99	1.01	51.00	74.00	-23.00	150	300	Peak
11550.000	44.47	7.61	52.08	54.00	-1.92	121	3	Average
11550.000	47.50	7.61	55.11	74.00	-18.89	121	3	Peak
14481.000	37.25	11.09	48.34	54.00	-5.66	150	139	Average
14481.000	44.25	11.09	55.34	74.00	-18.66	150	139	Peak
17325.000	42.26	13.40	55.66	68.20	-12.54	159	252	Peak
17779.000	32.90	18.01	50.91	54.00	-3.09	150	227	Average
17779.000	45.11	18.01	63.12	74.00	-10.88	150	227	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE20 Mode:

5745 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	42.65	1.09	43.74	54.00	-10.26	150	212	Average
7664.000	46.94	1.09	48.03	74.00	-25.97	150	212	Peak
11490.000	44.86	7.50	52.36	54.00	-1.64	106	12	Average
11490.000	47.01	7.50	54.51	74.00	-19.49	106	12	Peak
14481.000	32.35	11.09	43.44	54.00	-10.56	150	329	Average
14481.000	42.78	11.09	53.87	74.00	-20.13	150	329	Peak
17235.000	42.40	12.59	54.99	68.20	-13.21	157	119	Peak
17779.000	33.20	18.01	51.21	54.00	-2.79	150	338	Average
17779.000	46.09	18.01	64.10	74.00	-9.90	150	338	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	45.59	1.09	46.68	54.00	-7.32	150	143	Average
7664.000	49.40	1.09	50.49	74.00	-23.51	150	143	Peak
11490.000	43.04	7.50	50.54	54.00	-3.46	119	15	Average
11490.000	47.56	7.50	55.06	74.00	-18.94	119	15	Peak
14481.000	35.62	11.09	46.71	54.00	-7.29	150	227	Average
14481.000	47.17	11.09	58.26	74.00	-15.74	150	227	Peak
17235.000	41.84	12.59	54.43	68.20	-13.77	145	109	Peak
17762.000	32.72	17.91	50.63	54.00	-3.37	150	325	Average
17762.000	44.57	17.91	62.48	74.00	-11.52	150	325	Peak

5785 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	46.51	1.02	47.53	54.00	-6.47	150	148	Average
7715.000	49.71	1.02	50.73	74.00	-23.27	150	148	Peak
11570.000	44.39	7.66	52.05	54.00	-1.95	112	13	Average
11570.000	46.63	7.66	54.29	74.00	-19.71	112	13	Peak
14481.000	32.51	11.09	43.60	54.00	-10.40	150	209	Average
14481.000	42.88	11.09	53.97	74.00	-20.03	150	209	Peak
17355.000	40.58	13.55	54.13	68.20	-14.07	154	29	Peak
17745.000	32.91	17.81	50.72	54.00	-3.28	150	113	Average
17745.000	44.96	17.81	62.77	74.00	-11.23	150	113	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7715.000	47.55	1.02	48.57	54.00	-5.43	150	208	Average
7715.000	50.61	1.02	51.63	74.00	-22.37	150	208	Peak
11570.000	44.67	7.66	52.33	54.00	-1.67	124	0	Average
11570.000	47.38	7.66	55.04	74.00	-18.96	124	0	Peak
14481.000	35.97	11.09	47.06	54.00	-6.94	150	344	Average
14481.000	43.13	11.09	54.22	74.00	-19.78	150	344	Peak
17355.000	40.78	13.55	54.33	68.20	-13.87	146	115	Peak
17796.000	32.72	18.11	50.83	54.00	-3.17	150	219	Average
17796.000	44.76	18.11	62.87	74.00	-11.13	150	219	Peak

5825 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	47.76	1.05	48.81	68.20	-19.39	150	330	Peak
11650.000	43.96	7.93	51.89	54.00	-2.11	129	11	Average
11650.000	47.54	7.93	55.47	74.00	-18.53	129	11	Peak
14481.000	35.17	11.09	46.26	54.00	-7.74	150	138	Average
14481.000	42.54	11.09	53.63	74.00	-20.37	150	138	Peak
17475.000	40.77	14.75	55.52	68.20	-12.68	153	202	Peak
17762.000	32.61	17.91	50.52	54.00	-3.48	150	117	Average
17762.000	45.28	17.91	63.19	74.00	-10.81	150	117	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7766.000	52.73	1.05	53.78	68.20	-14.42	150	114	Peak
11650.000	45.58	7.93	53.51	54.00	-0.49	115	3	Average
11650.000	47.04	7.93	54.97	74.00	-19.03	115	3	Peak
14481.000	38.09	11.09	49.18	54.00	-4.82	150	308	Average
14481.000	44.09	11.09	55.18	74.00	-18.82	150	308	Peak
17475.000	41.01	14.75	55.76	68.20	-12.44	154	200	Peak
17779.000	33.13	18.01	51.14	54.00	-2.86	150	319	Average
17779.000	44.68	18.01	62.69	74.00	-11.31	150	319	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

802.11ax HE40 Mode:

5755 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	43.72	1.09	44.81	54.00	-9.19	150	52	Average
7664.000	47.53	1.09	48.62	74.00	-25.38	150	52	Peak
11510.000	45.82	7.53	53.35	54.00	-0.65	106	13	Average
11510.000	47.46	7.53	54.99	74.00	-19.01	106	13	Peak
14481.000	30.11	11.09	41.20	54.00	-12.80	150	43	Average
14481.000	43.25	11.09	54.34	74.00	-19.66	150	43	Peak
17265.000	42.20	12.90	55.10	68.20	-13.10	158	128	Peak
17745.000	33.21	17.81	51.02	54.00	-2.98	150	226	Average
17745.000	46.22	17.81	64.03	74.00	-9.97	150	226	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7664.000	49.51	1.09	50.60	54.00	-3.40	150	143	Average
7664.000	52.11	1.09	53.20	74.00	-20.80	150	143	Peak
11510.000	44.18	7.53	51.71	54.00	-2.29	172	17	Average
11510.000	47.30	7.53	54.83	74.00	-19.17	172	17	Peak
17265.000	41.66	12.90	54.56	68.20	-13.64	154	325	Peak
17779.000	32.76	18.01	50.77	54.00	-3.23	150	228	Average
17779.000	45.01	18.01	63.02	74.00	-10.98	150	228	Peak

5795 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	46.05	1.02	47.07	54.00	-6.93	150	119	Average
7732.000	49.80	1.02	50.82	74.00	-23.18	150	119	Peak
11590.000	43.72	7.71	51.43	54.00	-2.57	113	11	Average
11590.000	47.06	7.71	54.77	74.00	-19.23	113	11	Peak
14481.000	36.92	11.09	48.01	54.00	-5.99	150	324	Average
14481.000	43.54	11.09	54.63	74.00	-19.37	150	324	Peak
17385.000	42.00	13.67	55.67	68.20	-12.53	154	205	Peak
17796.000	33.22	18.11	51.33	54.00	-2.67	150	231	Average
17796.000	44.91	18.11	63.02	74.00	-10.98	150	231	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7732.000	49.09	1.02	50.11	54.00	-3.89	150	320	Average
7732.000	52.18	1.02	53.20	74.00	-20.80	150	320	Peak
11590.000	44.82	7.71	52.53	54.00	-1.47	117	2	Average
11590.000	46.56	7.71	54.27	74.00	-19.73	117	2	Peak
14481.000	37.91	11.09	49.00	54.00	-5.00	150	149	Average
14481.000	43.68	11.09	54.77	74.00	-19.23	150	149	Peak
17385.000	40.68	13.67	54.35	68.20	-13.85	141	255	Peak
17796.000	32.85	18.11	50.96	54.00	-3.04	150	228	Average
17796.000	44.48	18.11	62.59	74.00	-11.41	150	228	Peak

802.11ax HE80 Mode:

5775 MHz

Horizontal

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	44.83	1.01	45.84	54.00	-8.16	150	118	Average
7698.000	48.77	1.01	49.78	74.00	-24.22	150	118	Peak
11550.000	45.45	7.61	53.06	54.00	-0.94	108	3	Average
11550.000	47.39	7.61	55.00	74.00	-19.00	108	3	Peak
17325.000	41.77	13.40	55.17	68.20	-13.03	153	234	Peak
17762.000	32.80	17.91	50.71	54.00	-3.29	150	209	Average
17762.000	45.08	17.91	62.99	74.00	-11.01	150	209	Peak

Vertical

Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
7698.000	47.44	1.01	48.45	54.00	-5.55	150	20	Average
7698.000	50.62	1.01	51.63	74.00	-22.37	150	20	Peak
11550.000	44.57	7.61	52.18	54.00	-1.82	120	3	Average
11550.000	45.59	7.61	53.20	74.00	-20.80	120	3	Peak
14481.000	38.46	11.09	49.55	54.00	-4.45	150	328	Average
14481.000	43.88	11.09	54.97	74.00	-19.03	150	328	Peak
17325.000	41.88	13.40	55.28	68.20	-12.92	147	119	Peak
17762.000	32.83	17.91	50.74	54.00	-3.26	150	226	Average
17762.000	44.22	17.91	62.13	74.00	-11.87	150	226	Peak

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

8 RSS-247 §6.2.1.2 – 26dB Attenuated Below The Channel Power

8.1 Applicable Standard

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

8.2 Test Procedure

1. Set RBW = 1%~5% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = RMS.
4. Trace mode = max hold
5. Measure the emission attenuated below the channel power

8.3 Test Results

The requirement is for 5150-5250 MHz band. The channel power please refer to the power test result in section 9.3.

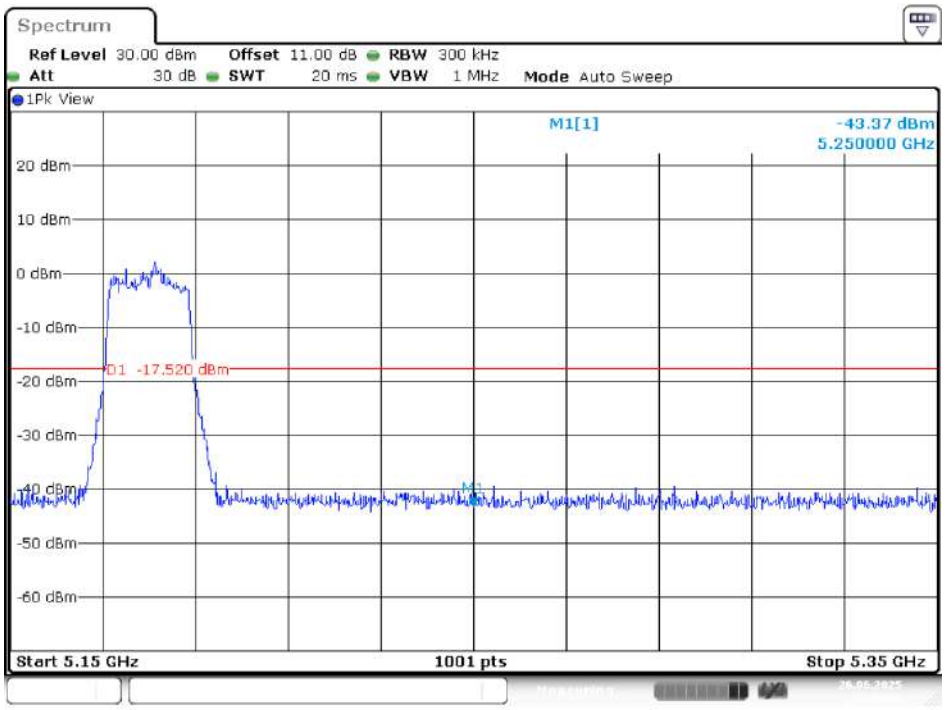
Transmitting Mode:

Beamforming

(Chain 0)

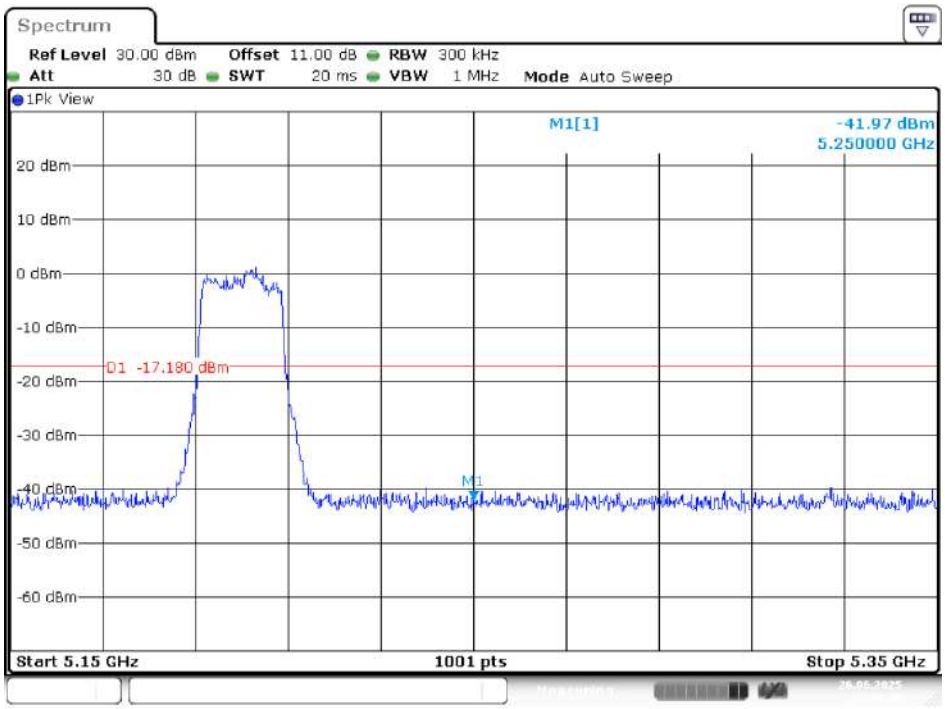
IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz

5180MHz



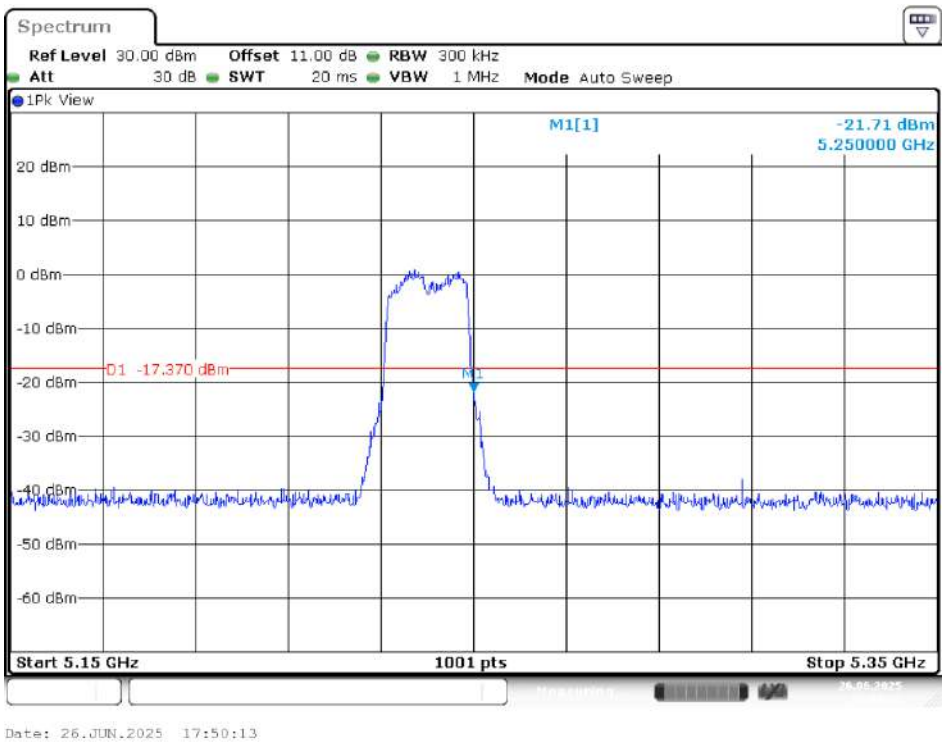
Date: 26.JUN.2025 17:47:36

5200MHz



Date: 26.JUN.2025 17:48:48

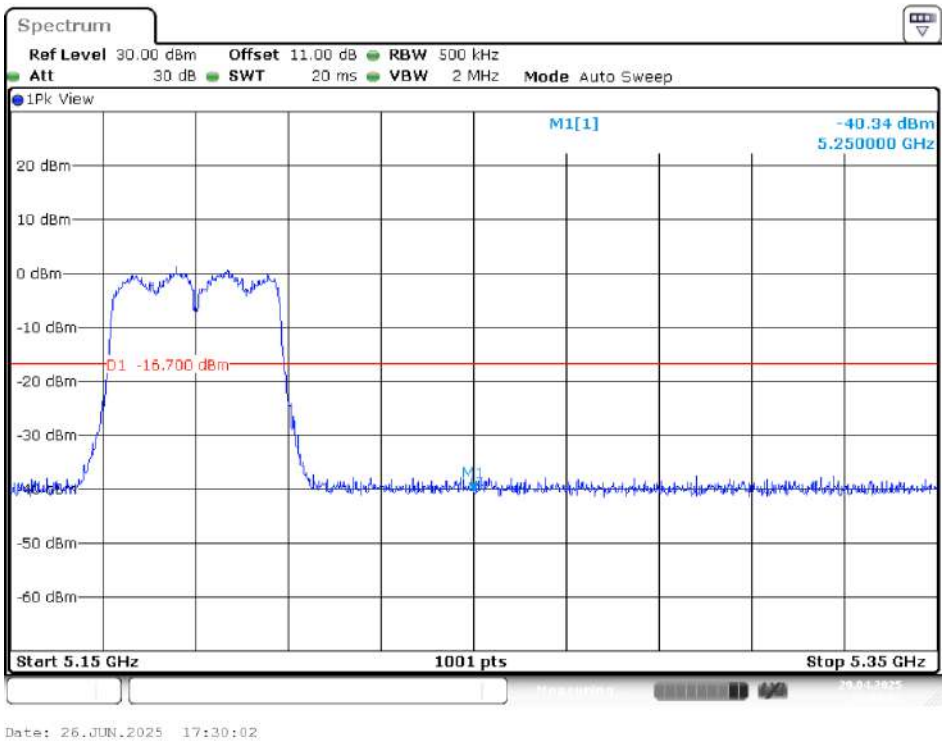
5240MHz



Date: 26.JUN.2025 17:50:13

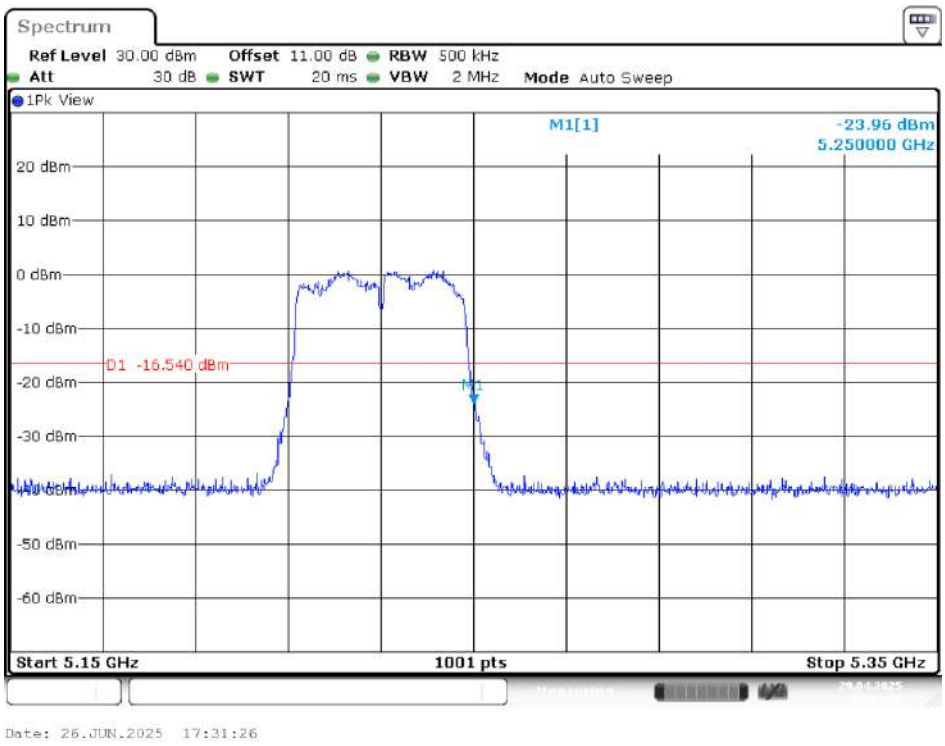
IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz

5190MHz



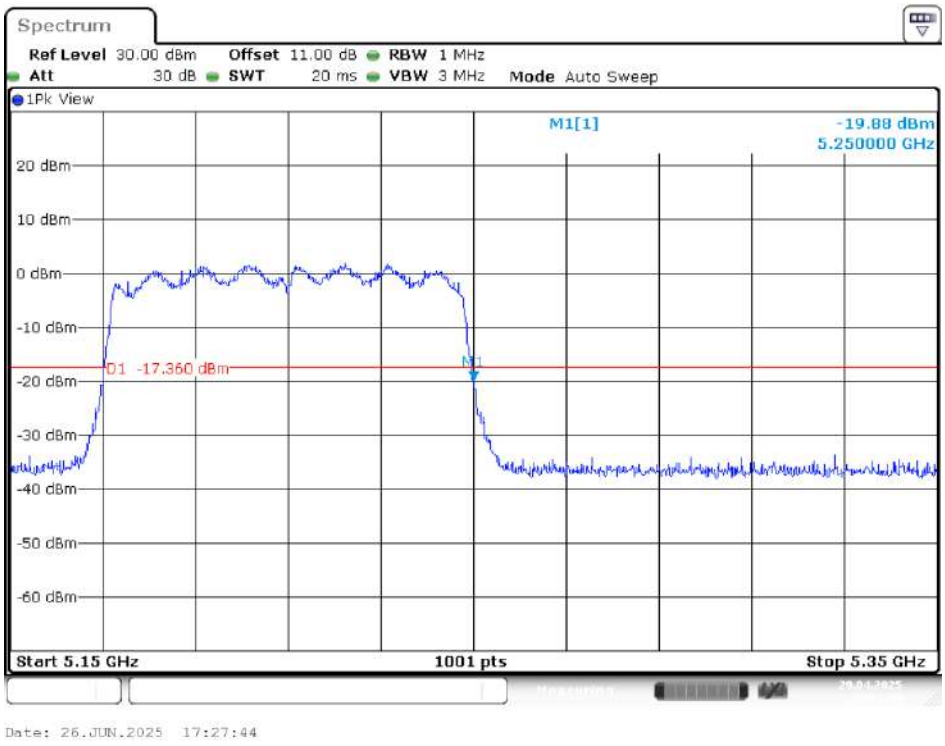
Date: 26.JUN.2025 17:30:02

5230MHz



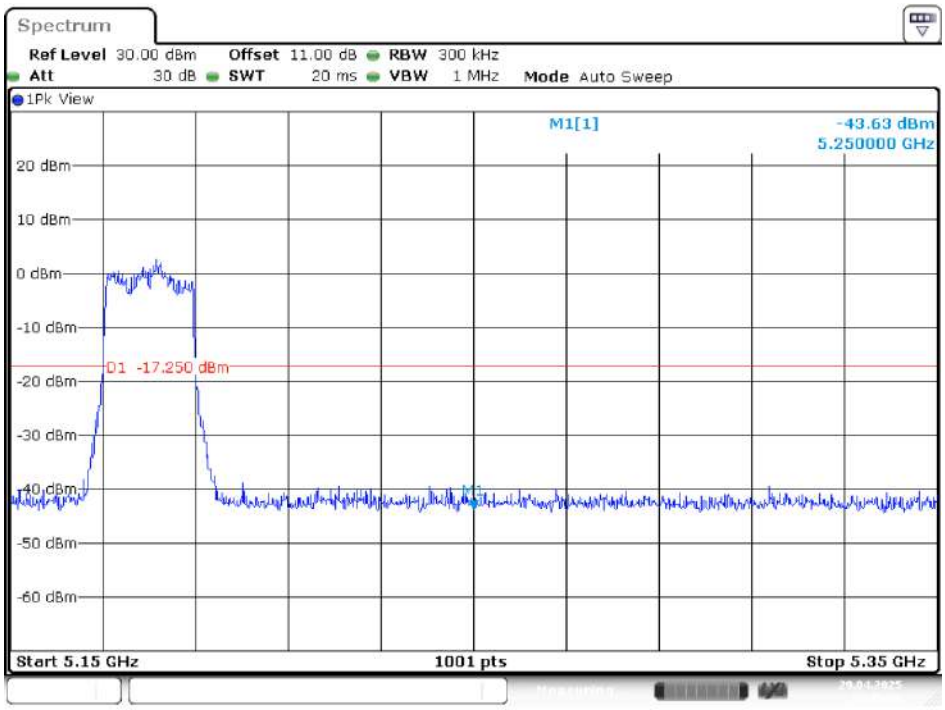
IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz

5210MHz



IEEE 802.11ax HE20 Mode / 5150 ~ 5250MHz

5180MHz



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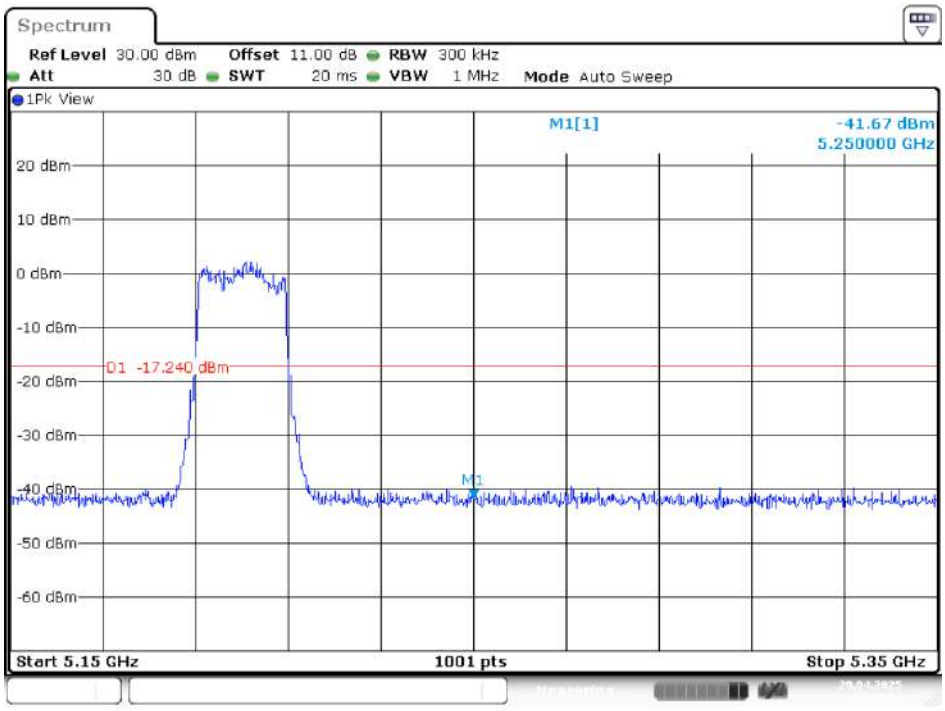
5200MHz



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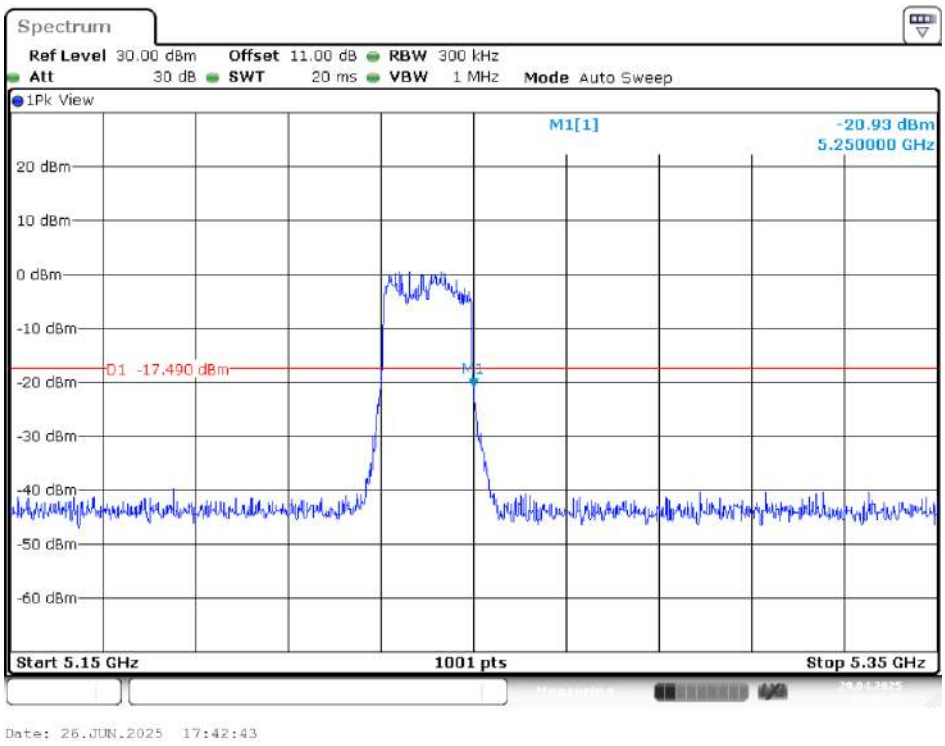
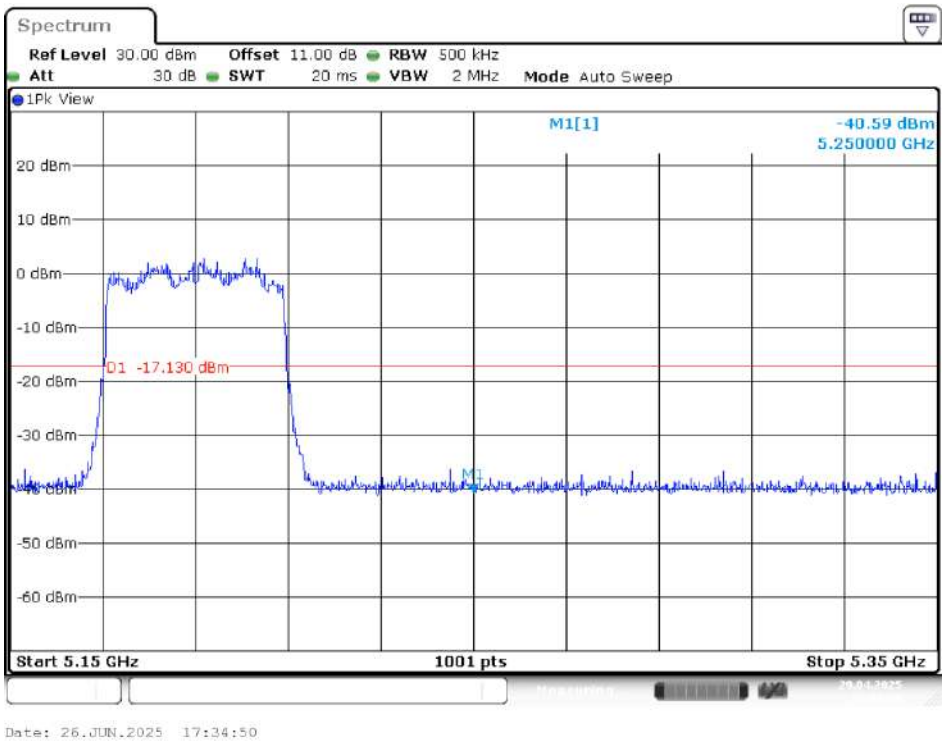
5240MHz

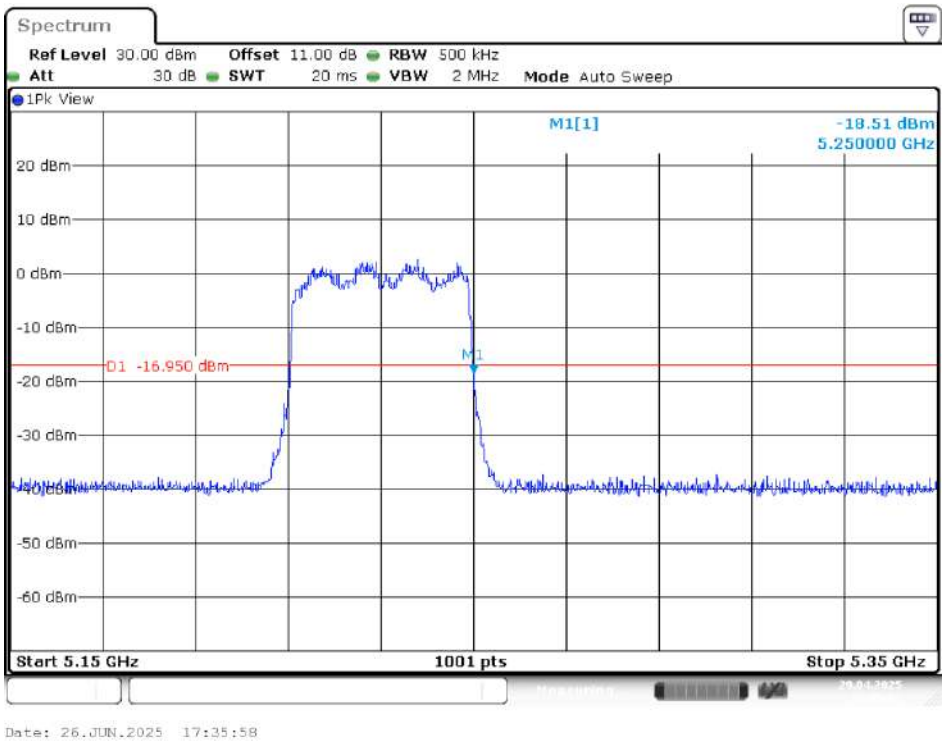


IEEE 802.11ax HE40 Mode / 5150 ~ 5250MHz

5190MHz

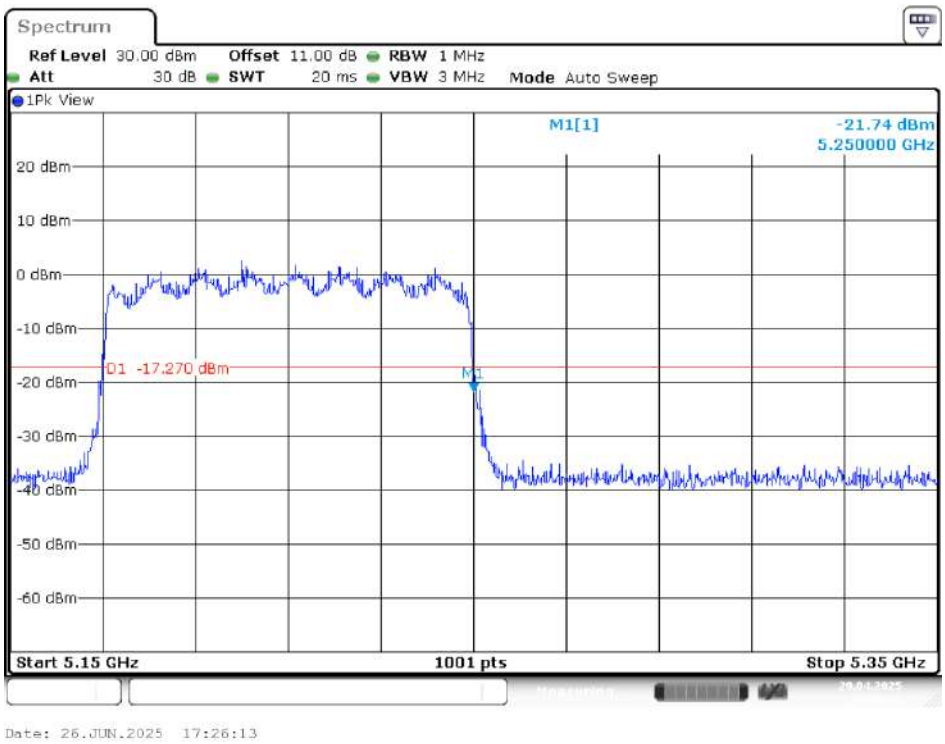


5230MHz



IEEE 802.11ax HE80 Mode / 5150 ~ 5250MHz

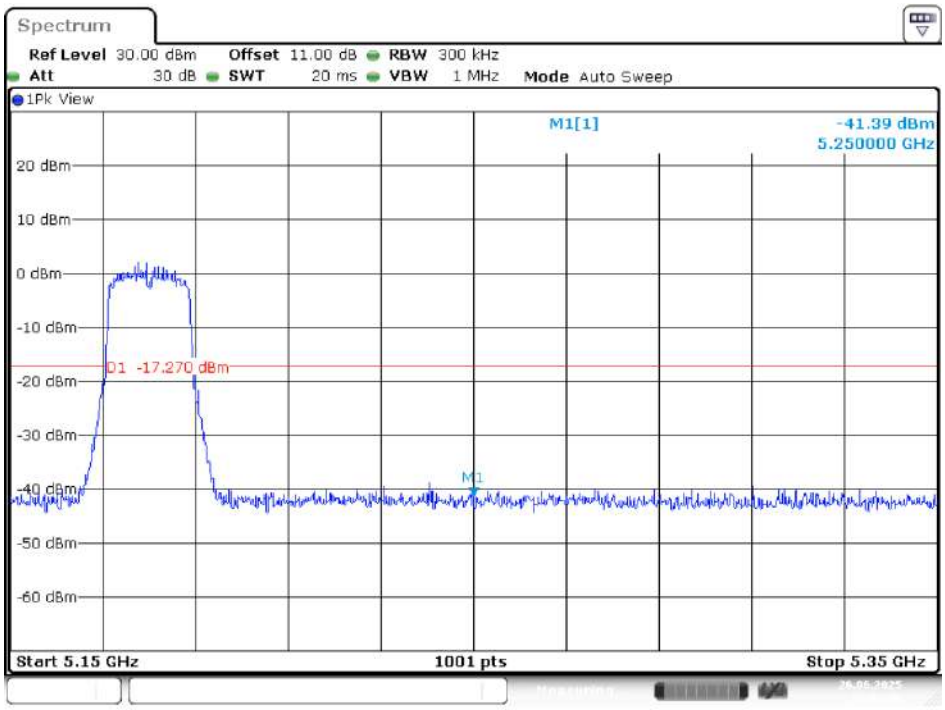
5210MHz



(Chain 1)

IEEE 802.11ac VHT20 Mode / 5725 ~ 5850MHz

5180MHz



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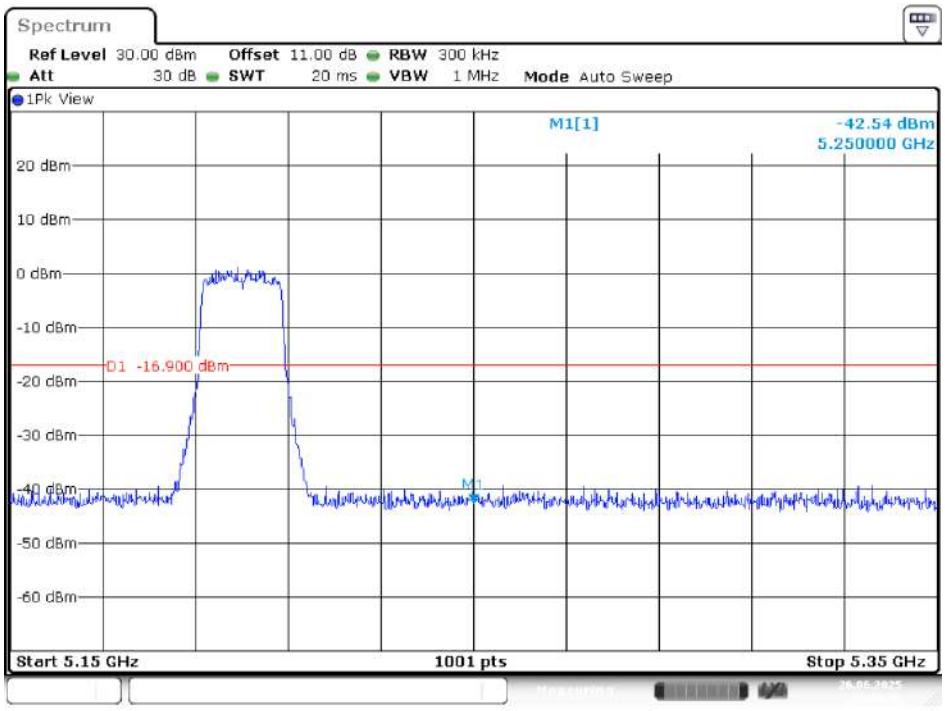
5200MHz



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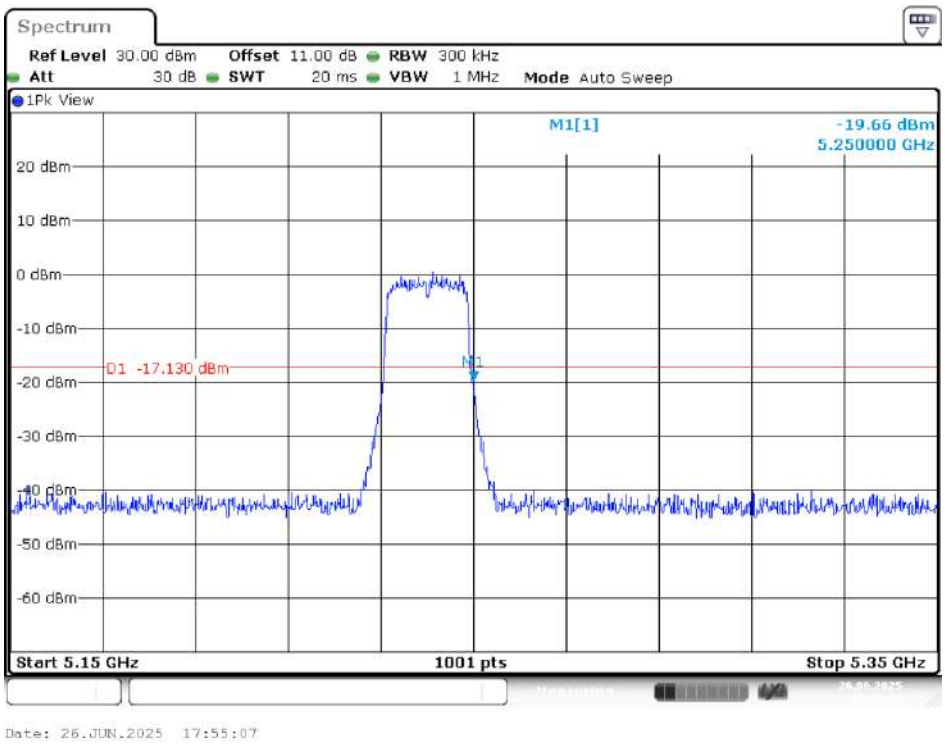
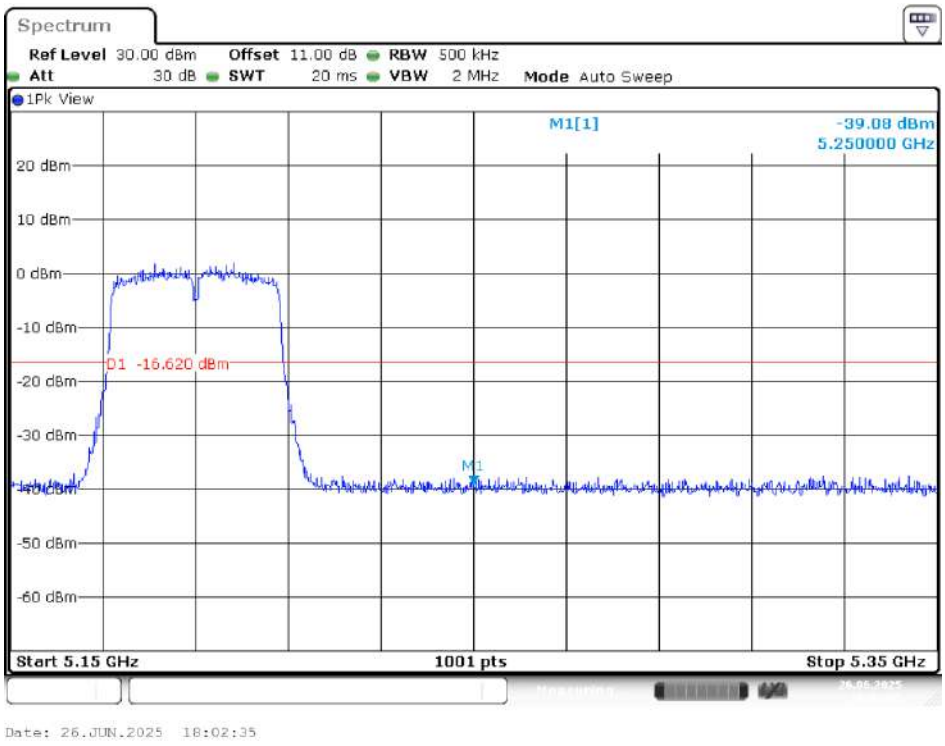
5240MHz

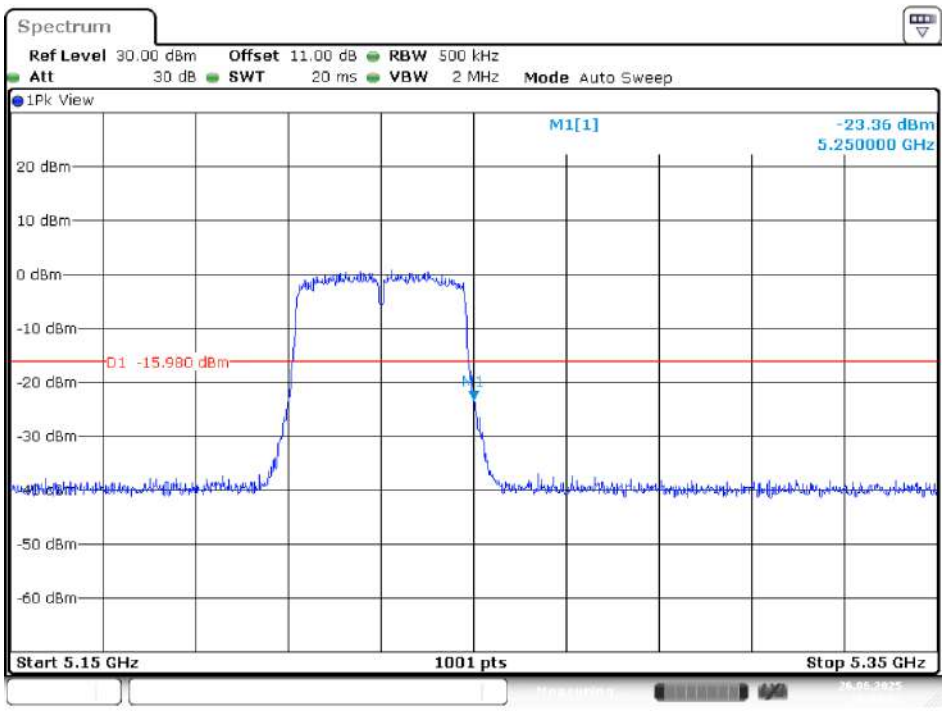


IEEE 802.11ac VHT40 Mode / 5725 ~ 5850MHz

5190MHz



5230MHz



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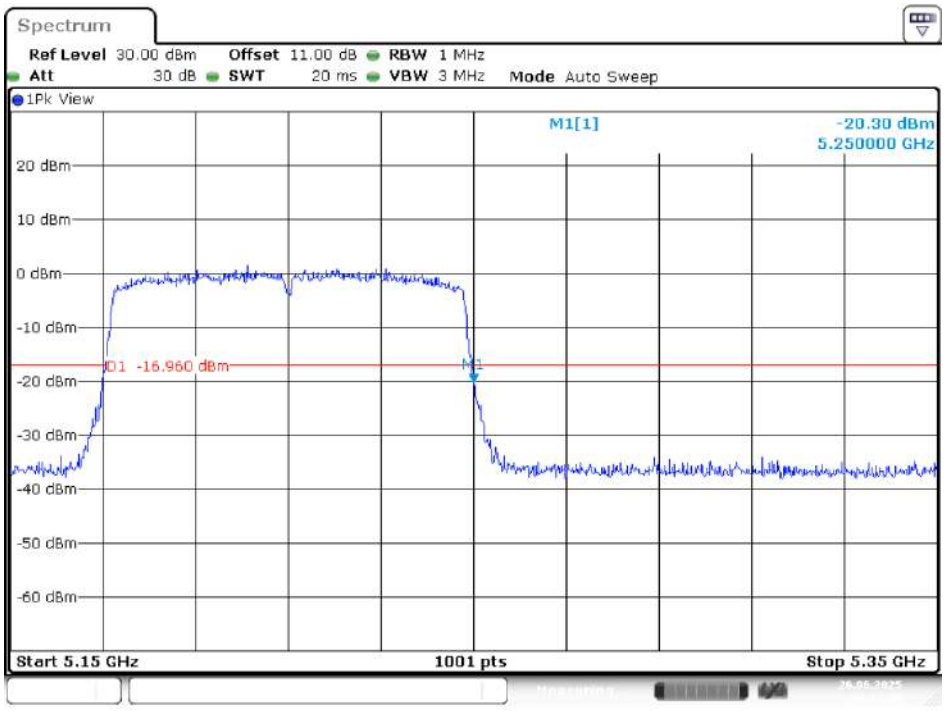
IEEE 802.11ac VHT80 Mode / 5725 ~ 5850MHz

5210MHz



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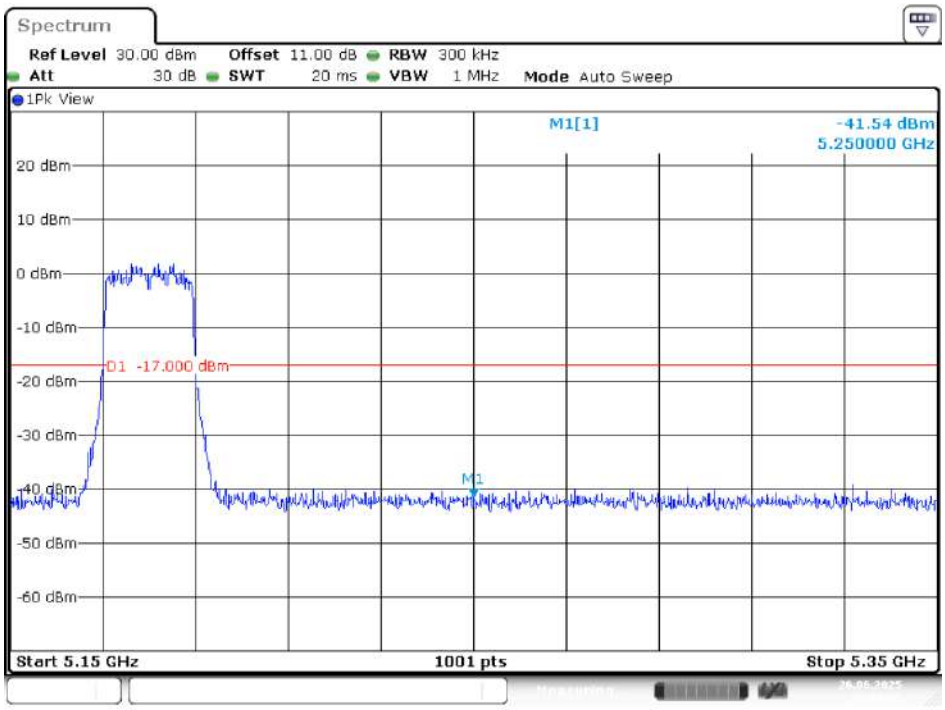
IEEE 802.11ax HE20 Mode / 5725 ~ 5850MHz

5180MHz



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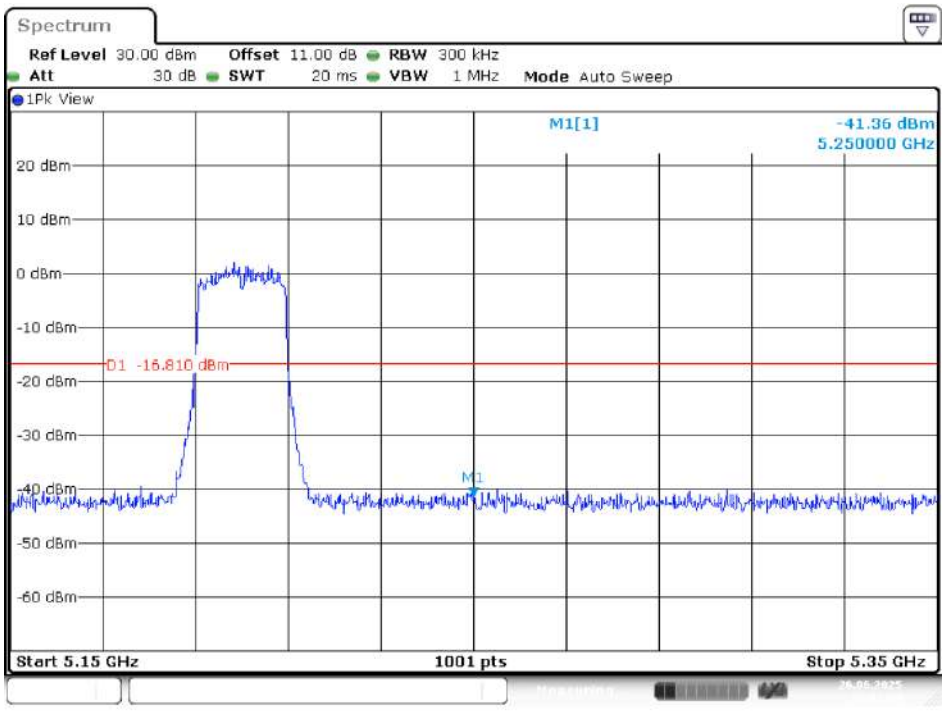
5200MHz



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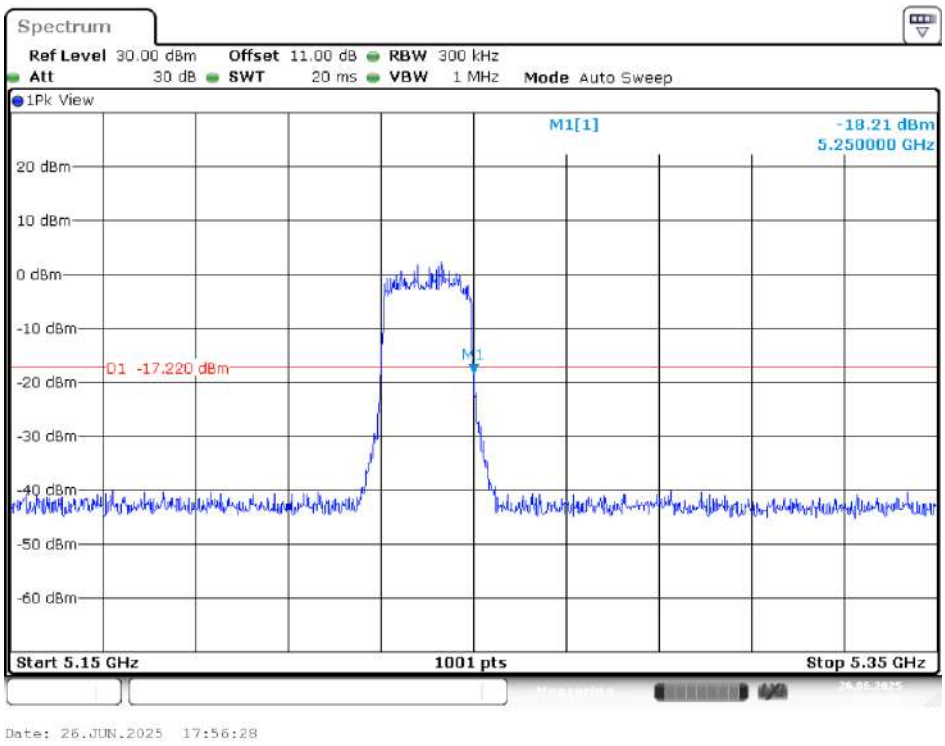
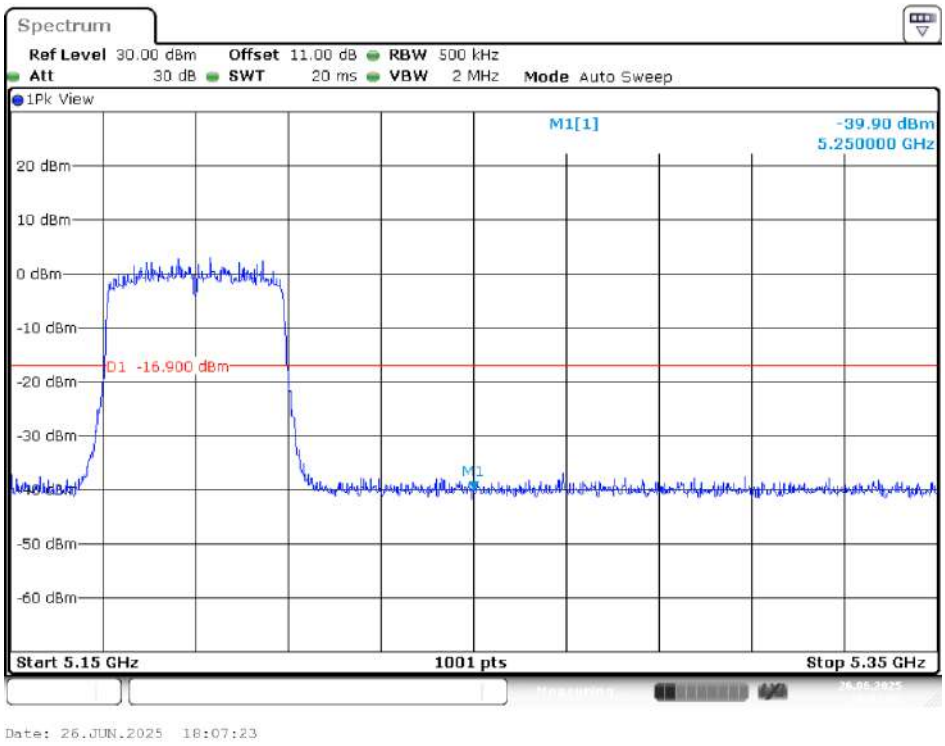
5240MHz

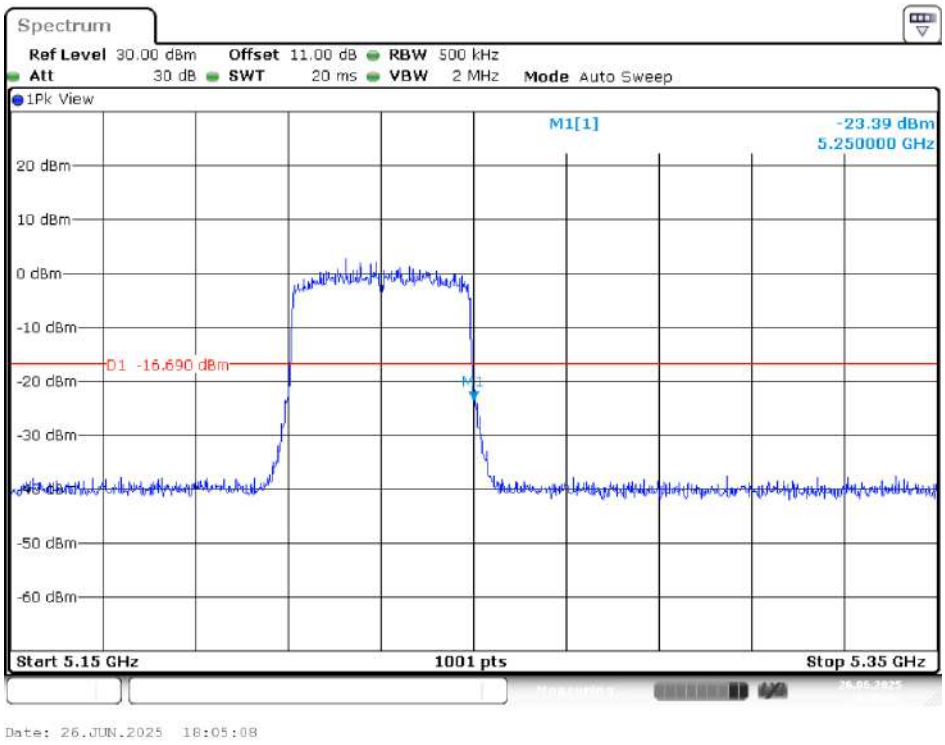


IEEE 802.11ax HE40 Mode / 5725 ~ 5850MHz

5190MHz

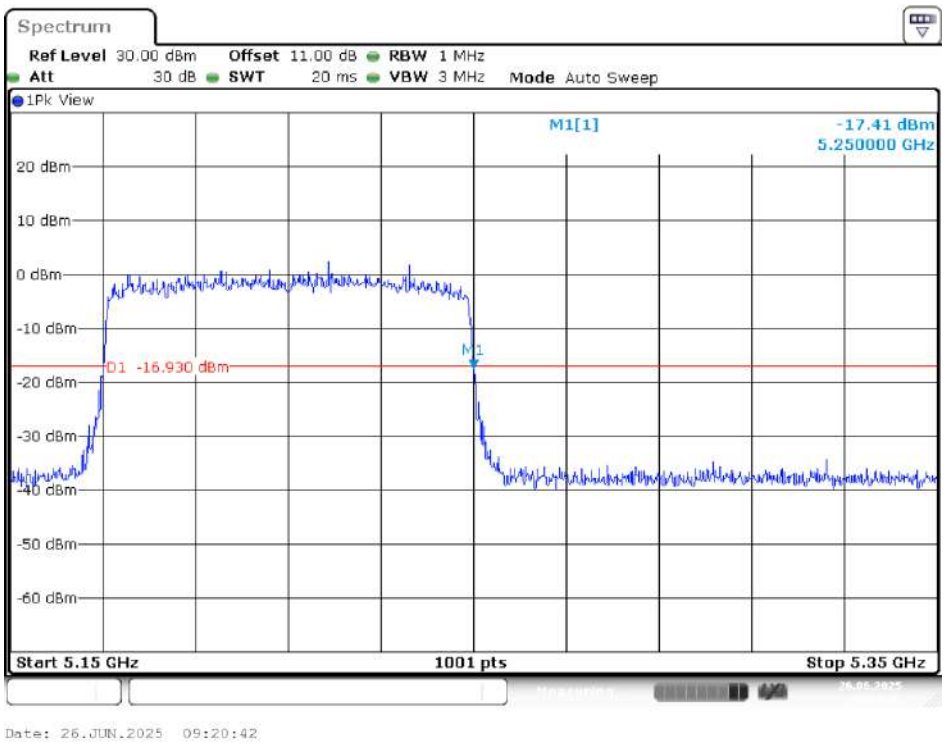


5230MHz



IEEE 802.11ax HE80 Mode /5725 ~ 5850MHz

5210MHz

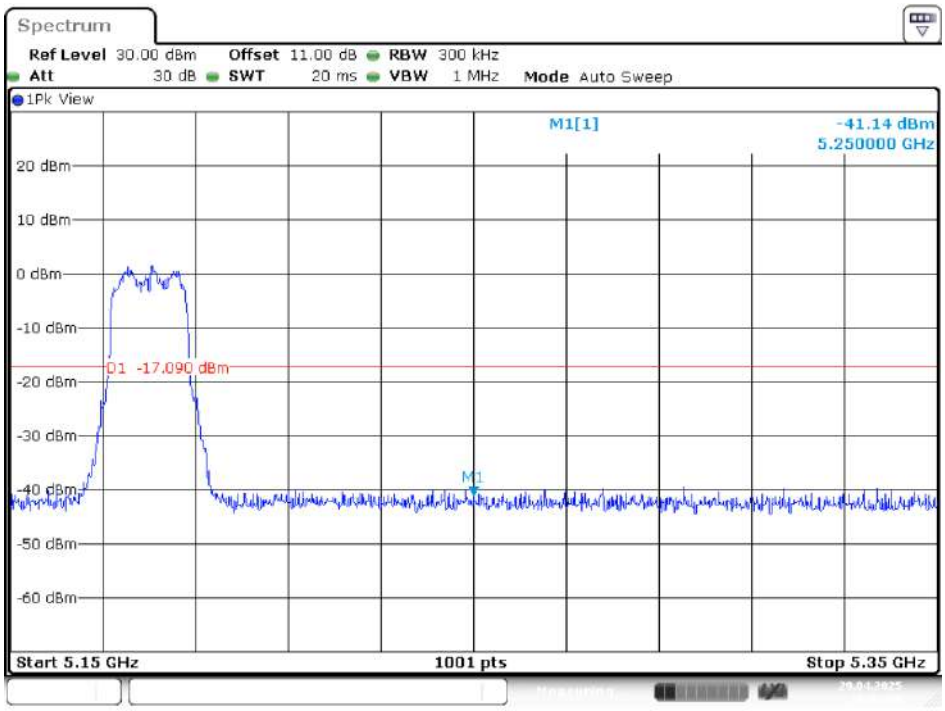


Non Beamforming

(Chain 0)

IEEE 802.11a Mode / 5150 ~ 5250MHz

5180MHz



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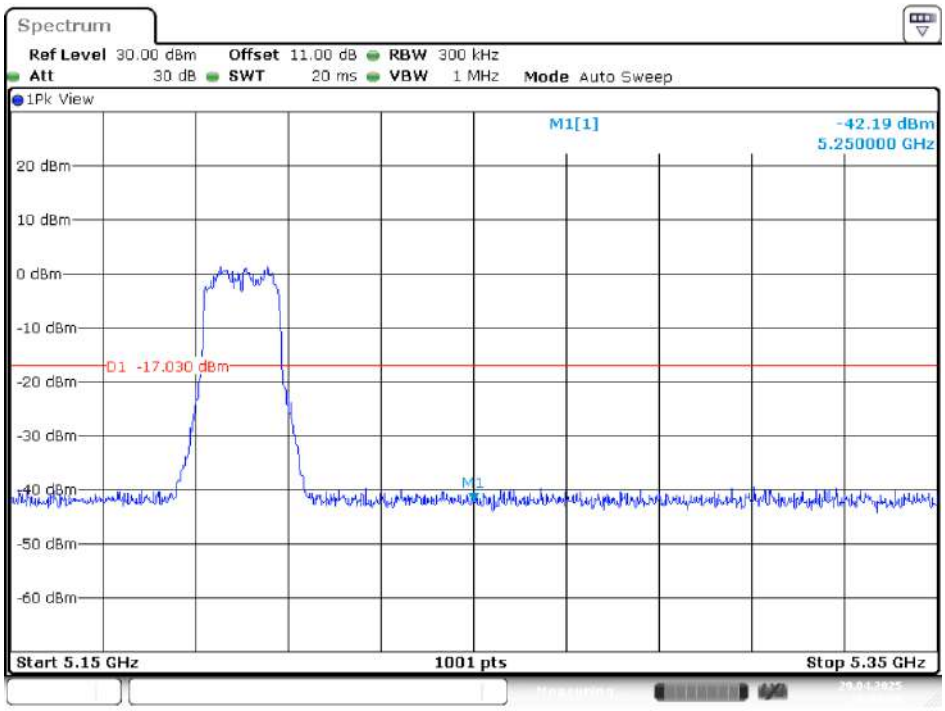
5200MHz



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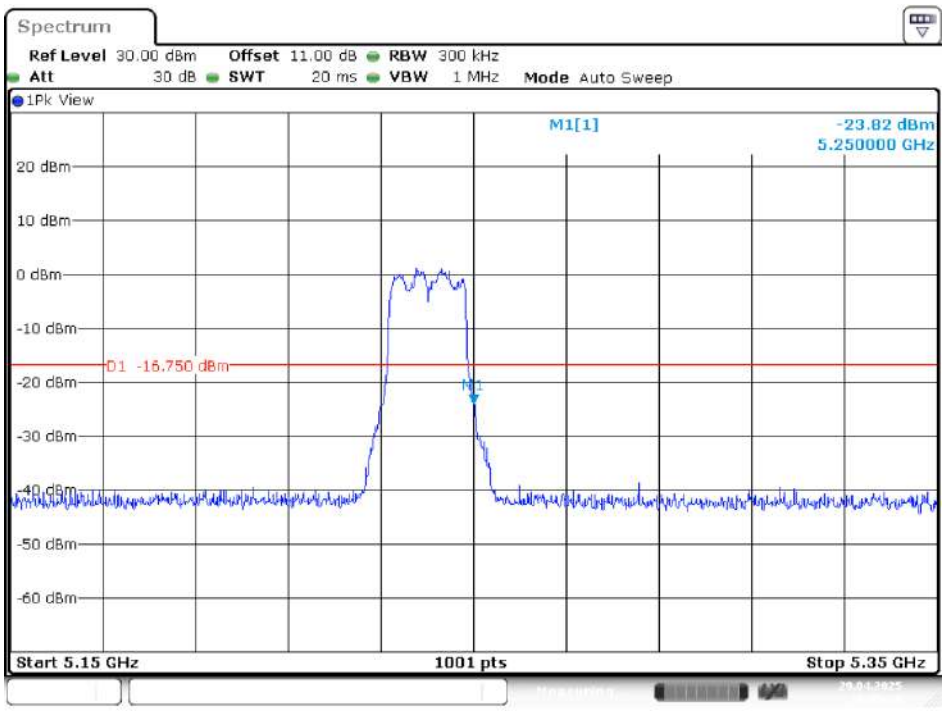
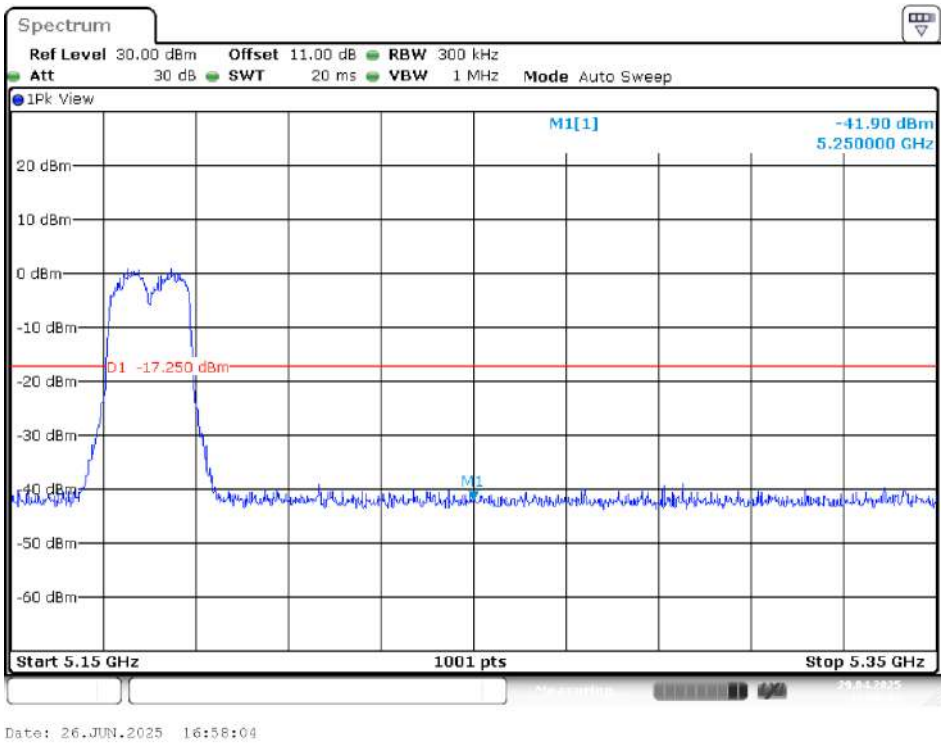
5240MHz

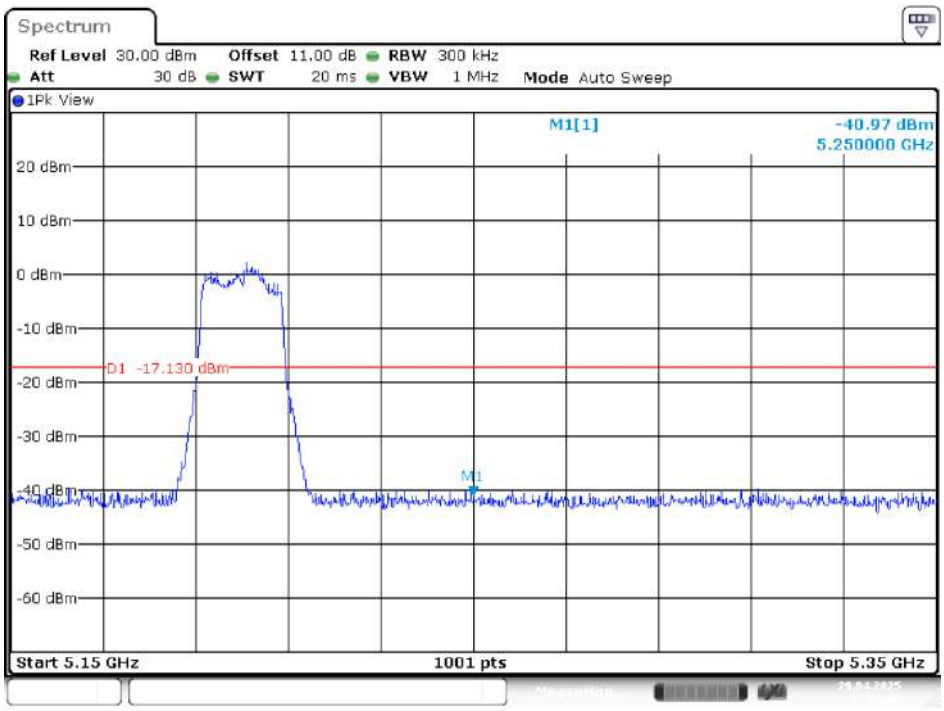


IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz

5180MHz



5200MHz



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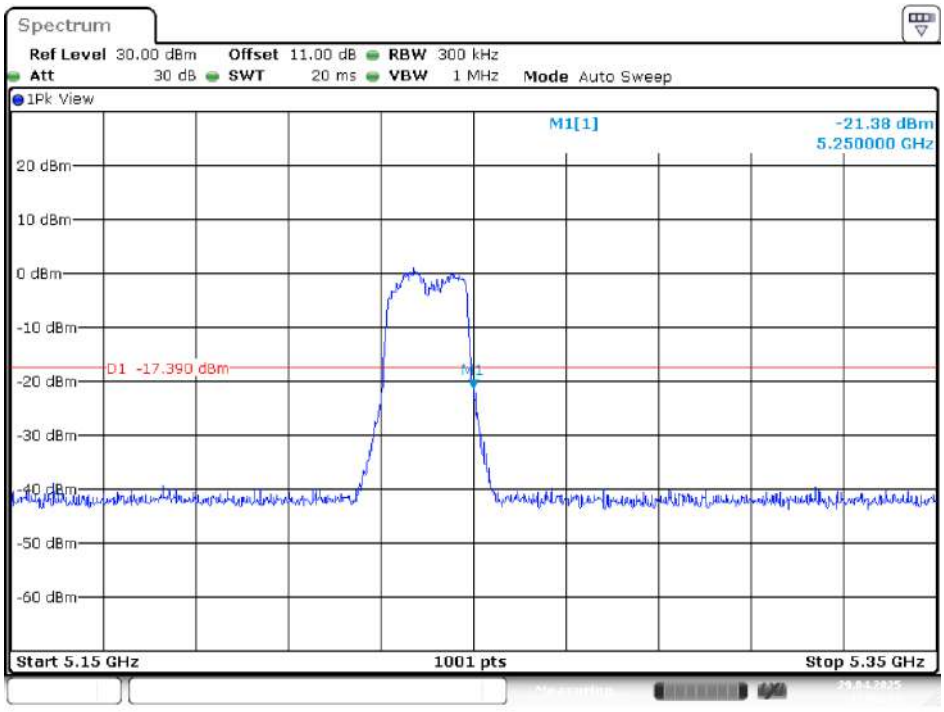
5240MHz



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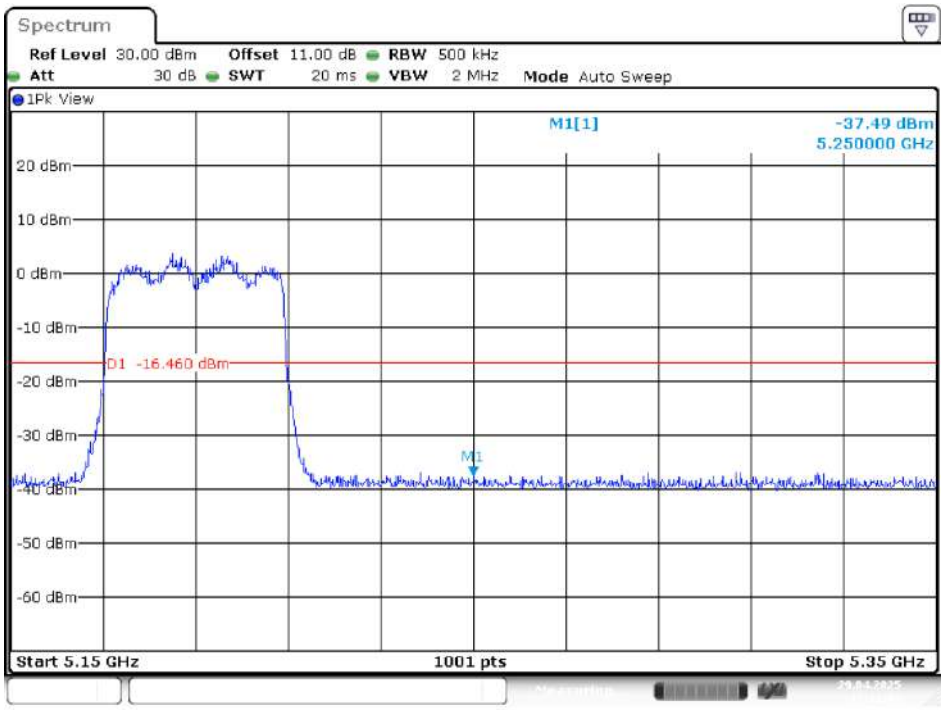
IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz

5190MHz



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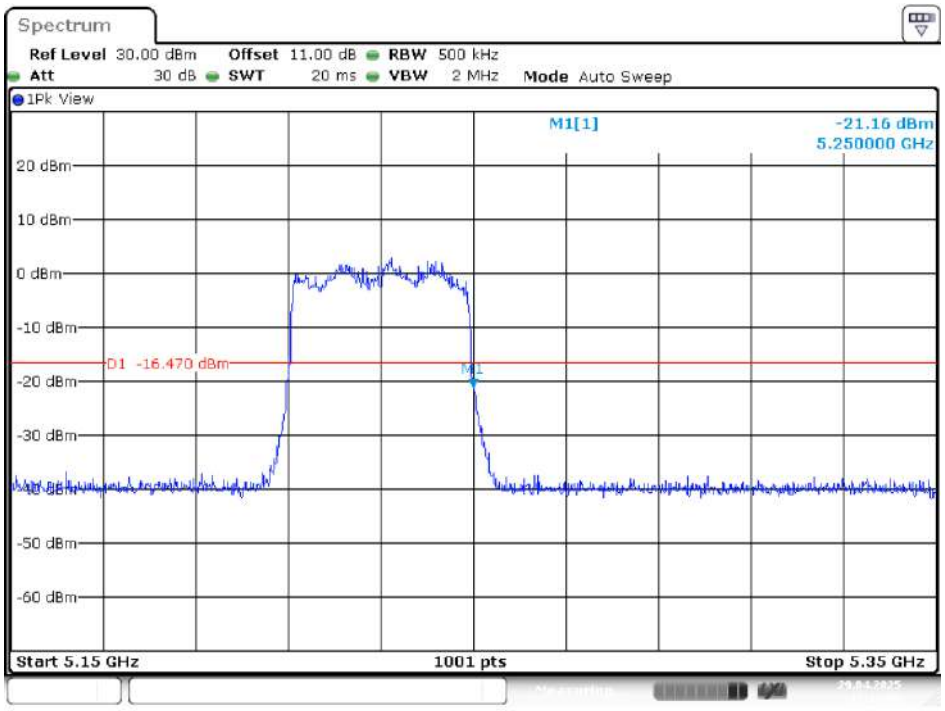
5230MHz



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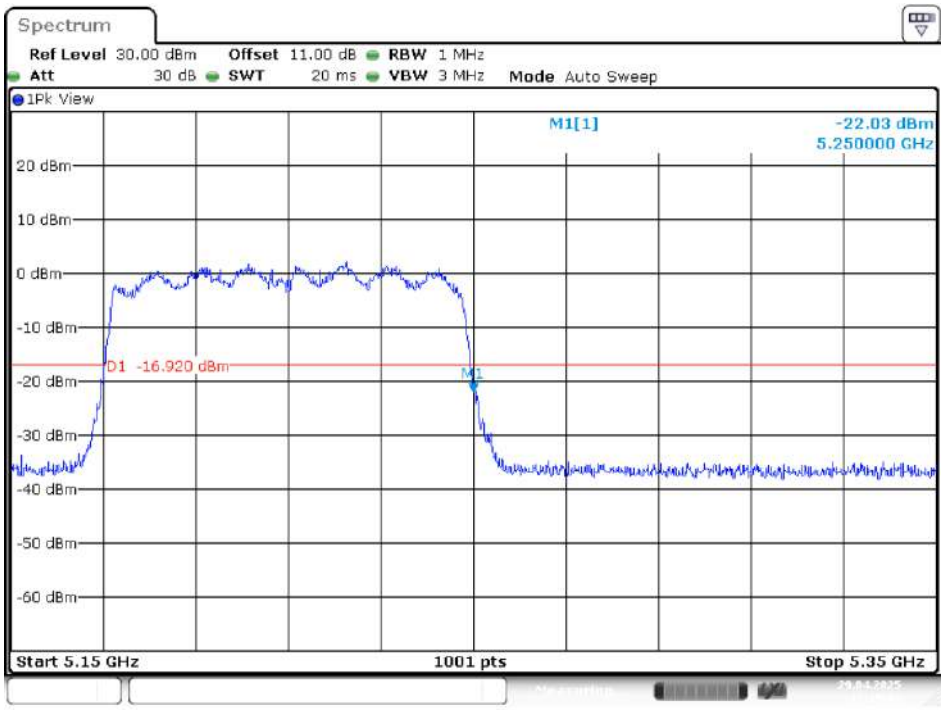
IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz

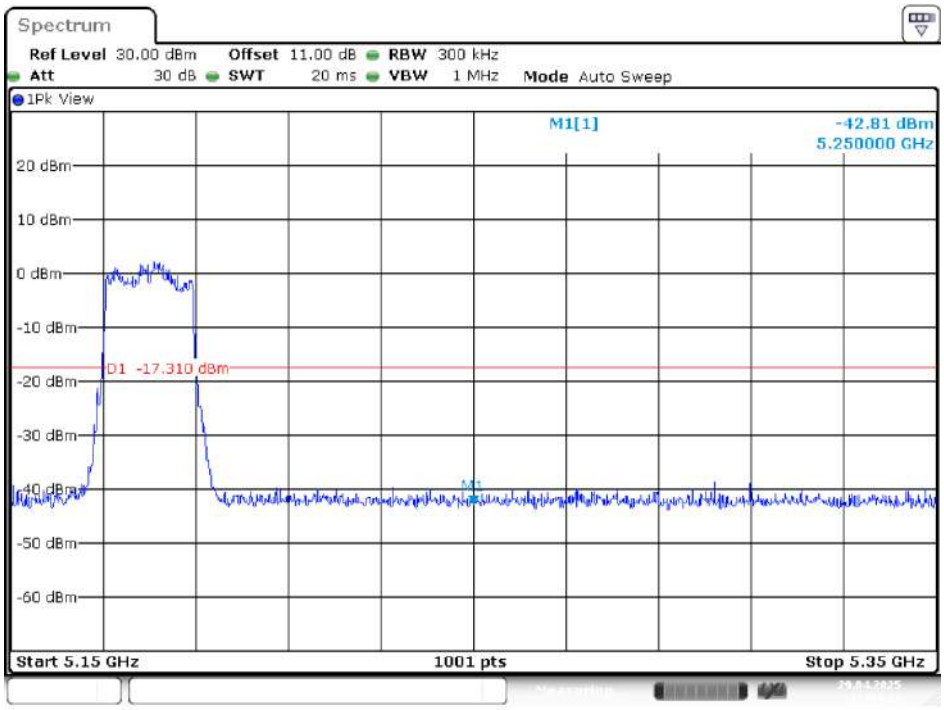
5210MHz



Date: 26.JUN.2025 17:19:43

IEEE 802.11ax HE20 Mode / 5150 ~ 5250MHz

5180MHz



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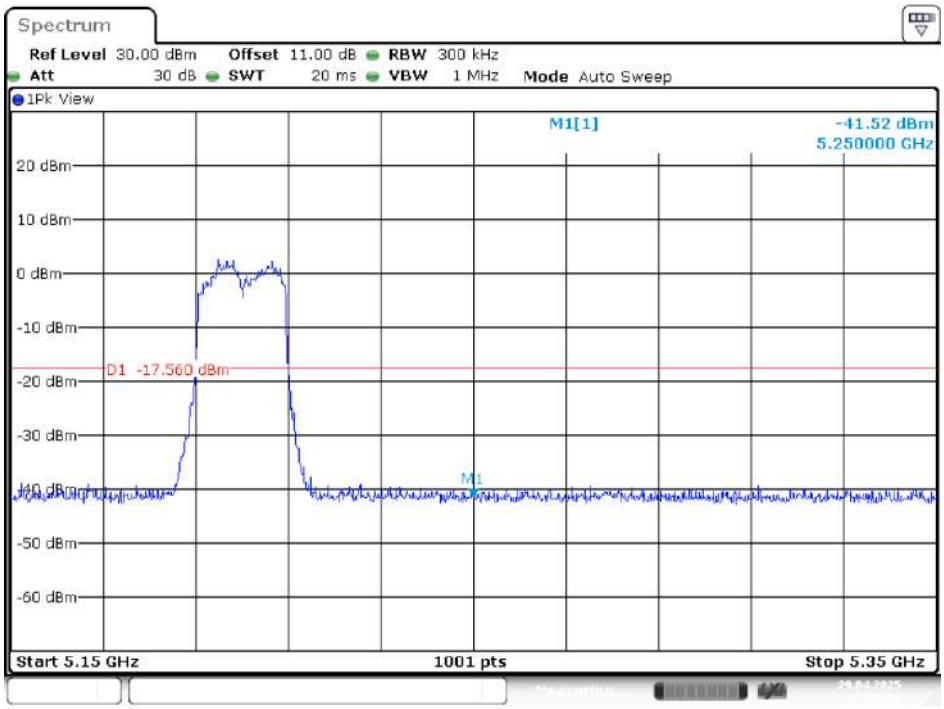
5200MHz



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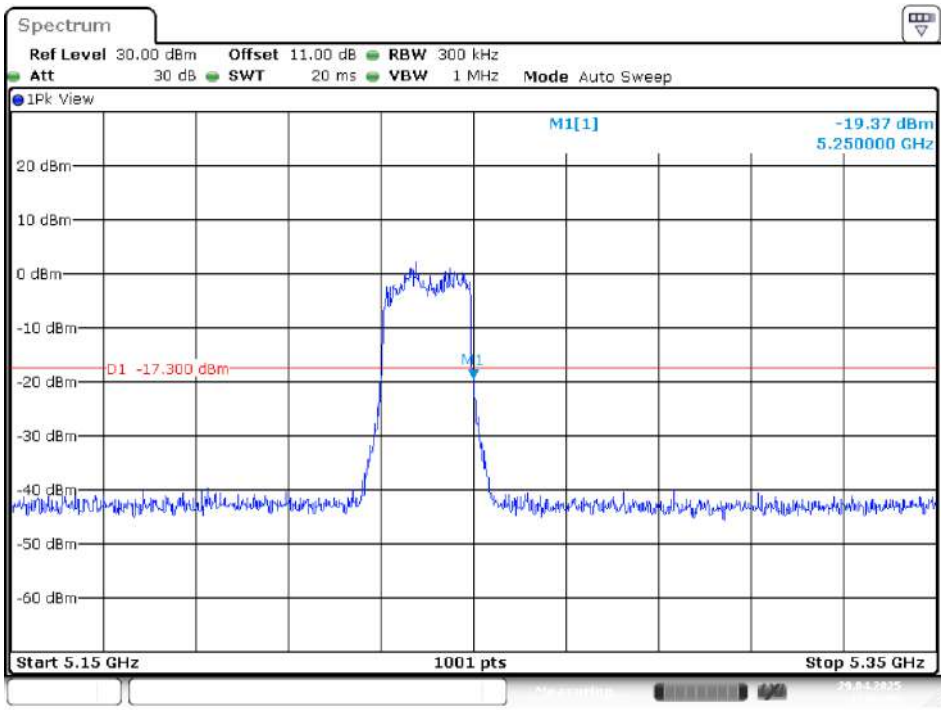
5240MHz



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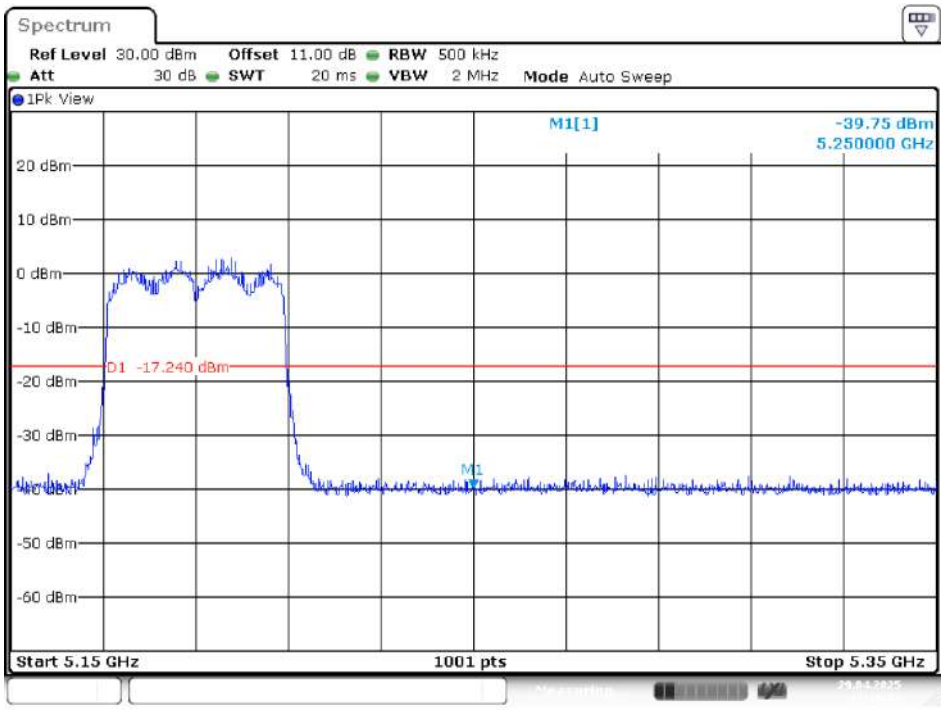
IEEE 802.11ax HE40 Mode / 5150 ~ 5250MHz

5190MHz



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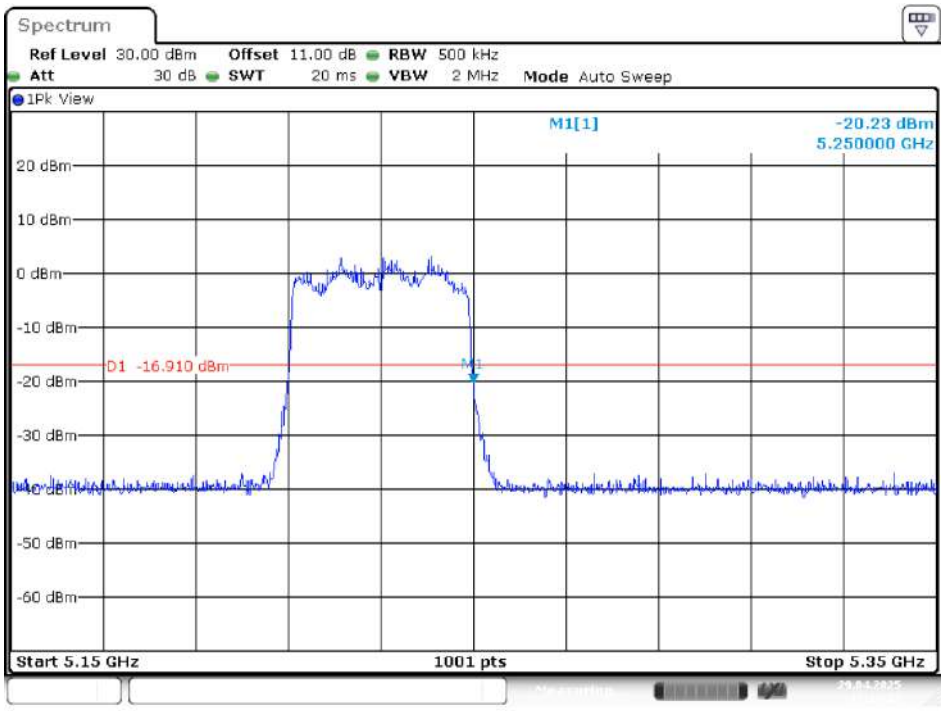
5230MHz



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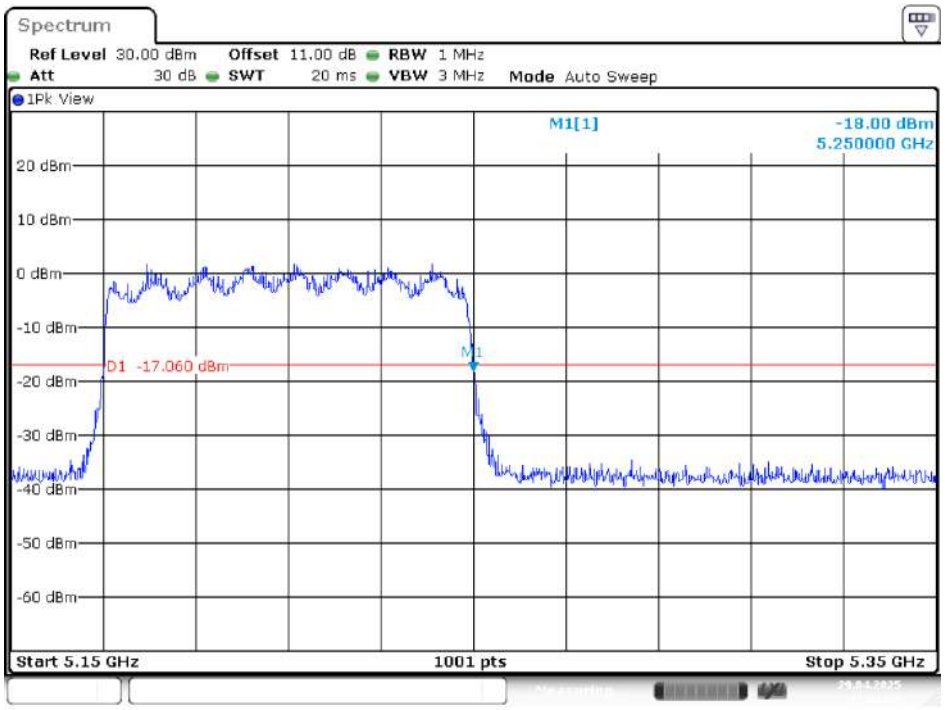
IEEE 802.11ax HE80 Mode / 5150 ~ 5250MHz

5210MHz



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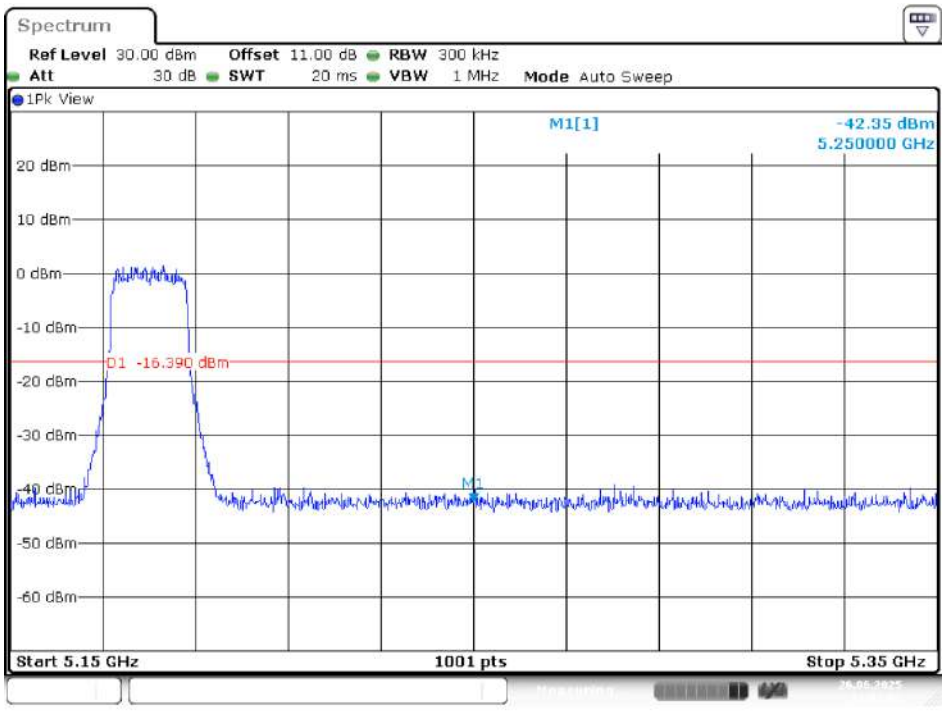
(Chain 1)

IEEE 802.11a Mode / 5150~5250MHz

5180MHz



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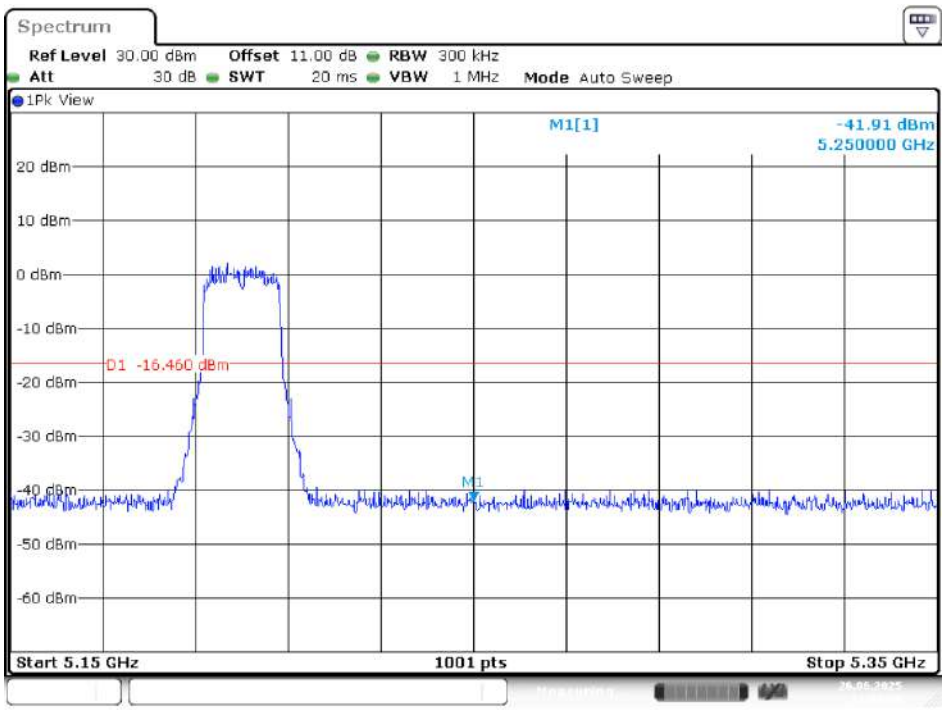
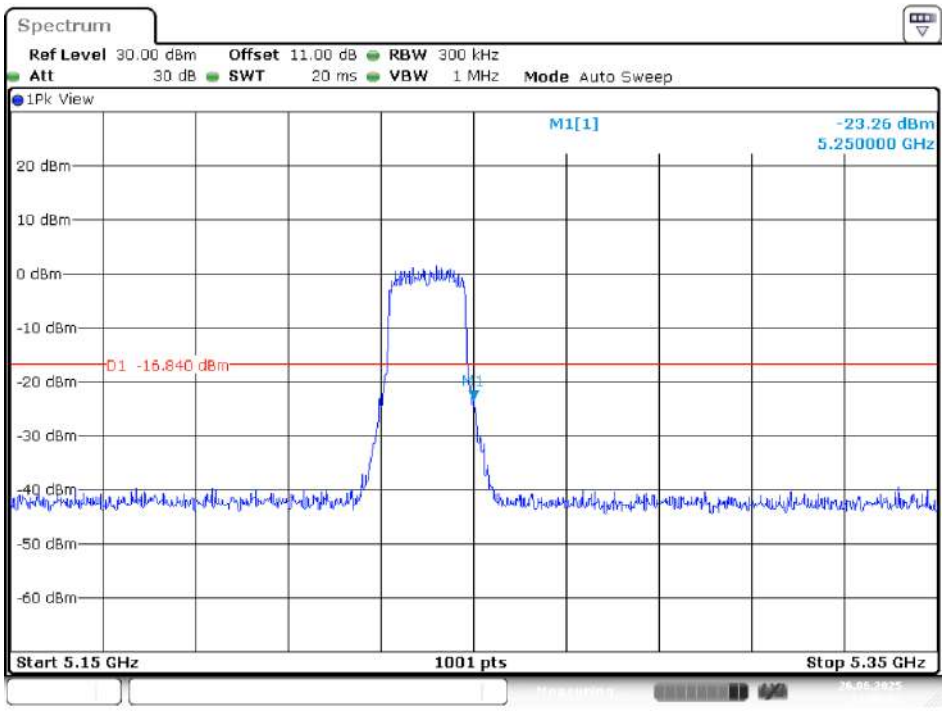
5200MHz

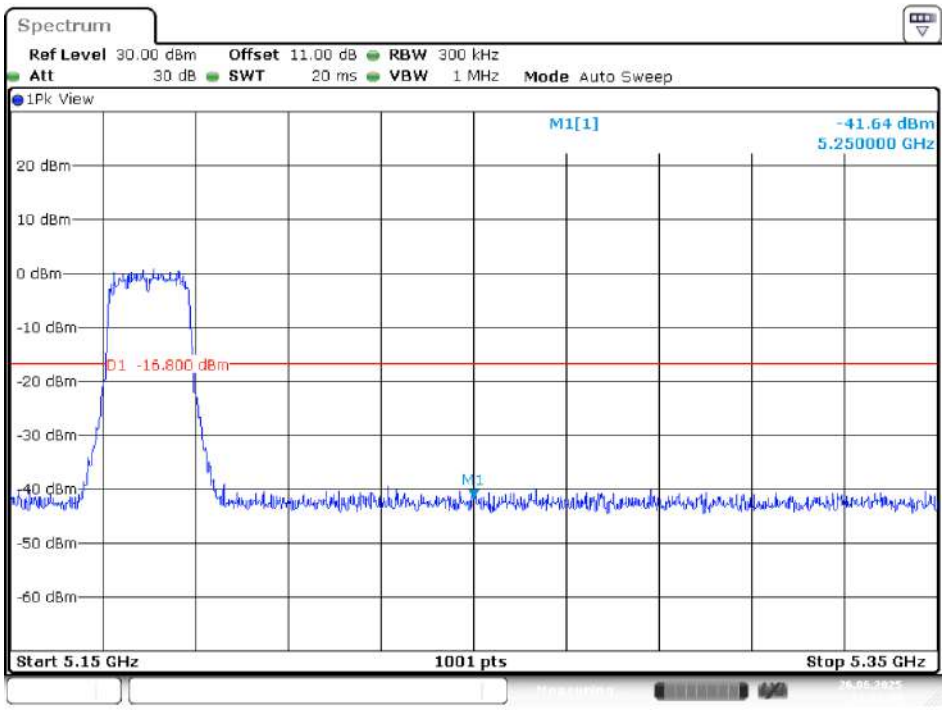


5240MHz



IEEE 802.11ac VHT20 Mode / 5150~5250MHz

5180MHz



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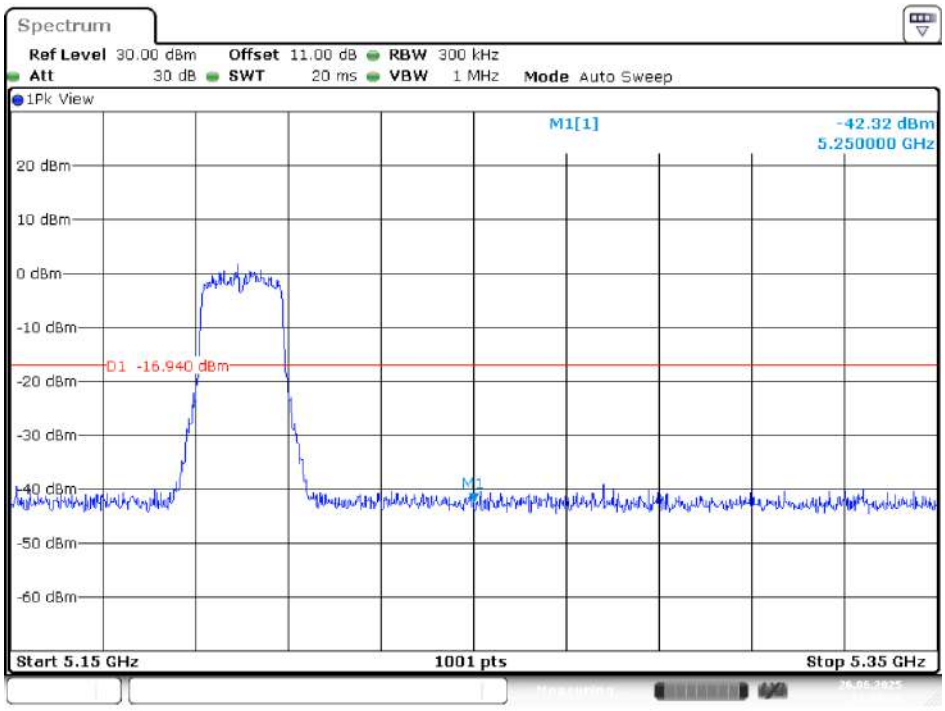
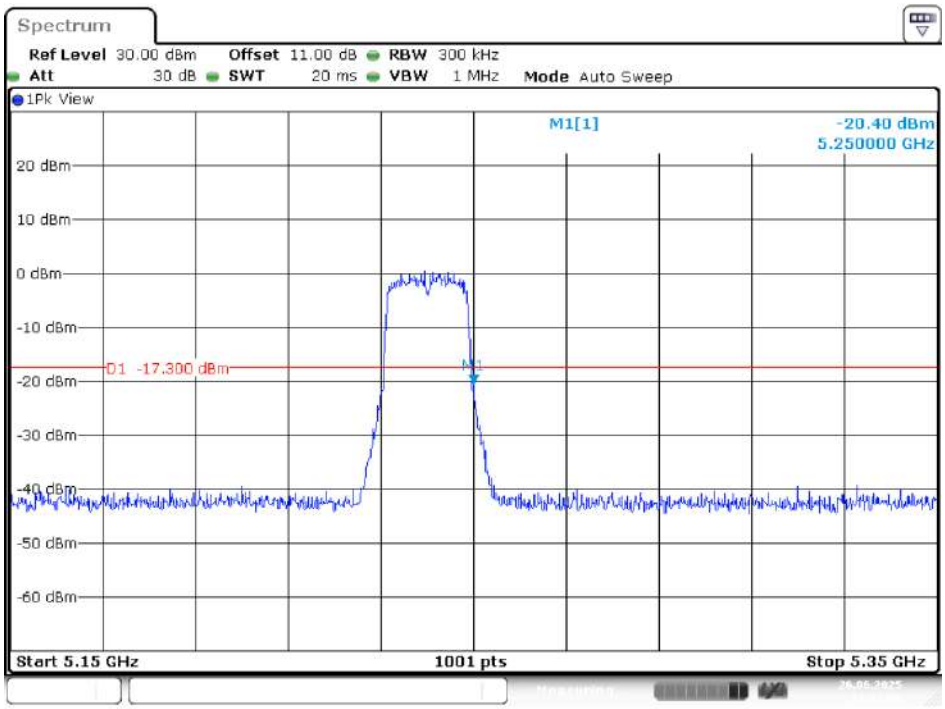
5200MHz



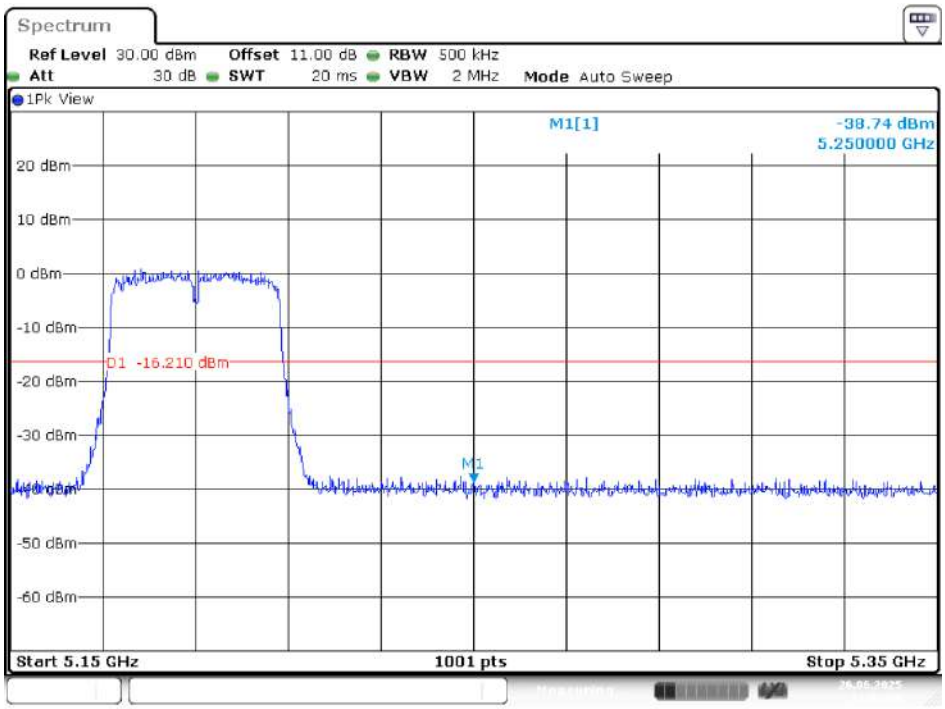
Date: 26.JUN.2025 11:14:16

5240MHz

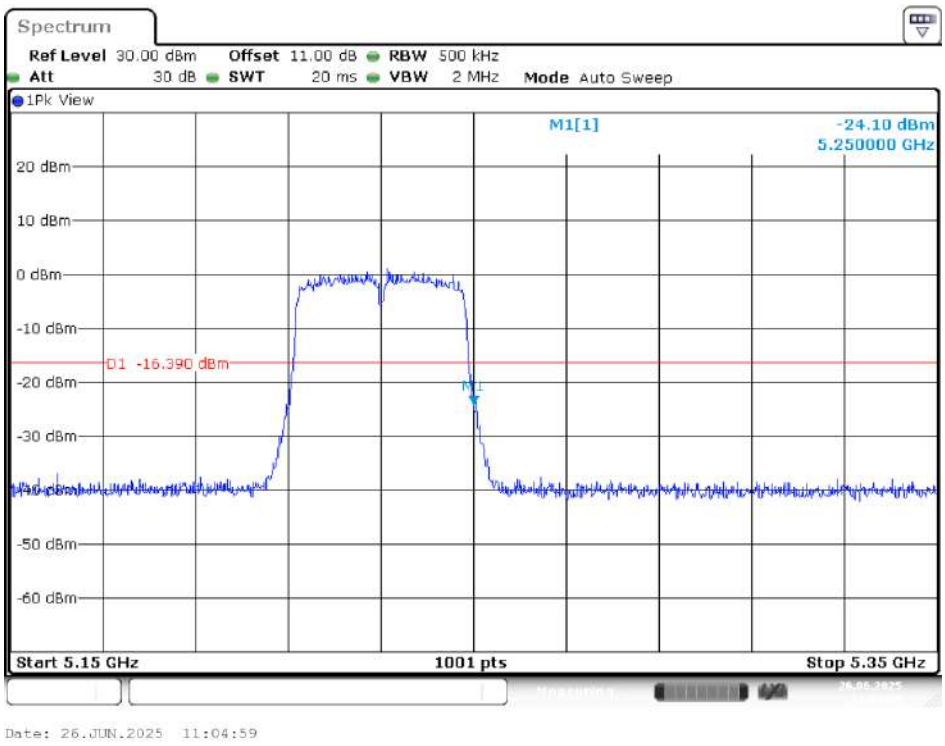


IEEE 802.11ac VHT40 Mode / 5150~5250MHz

5190MHz

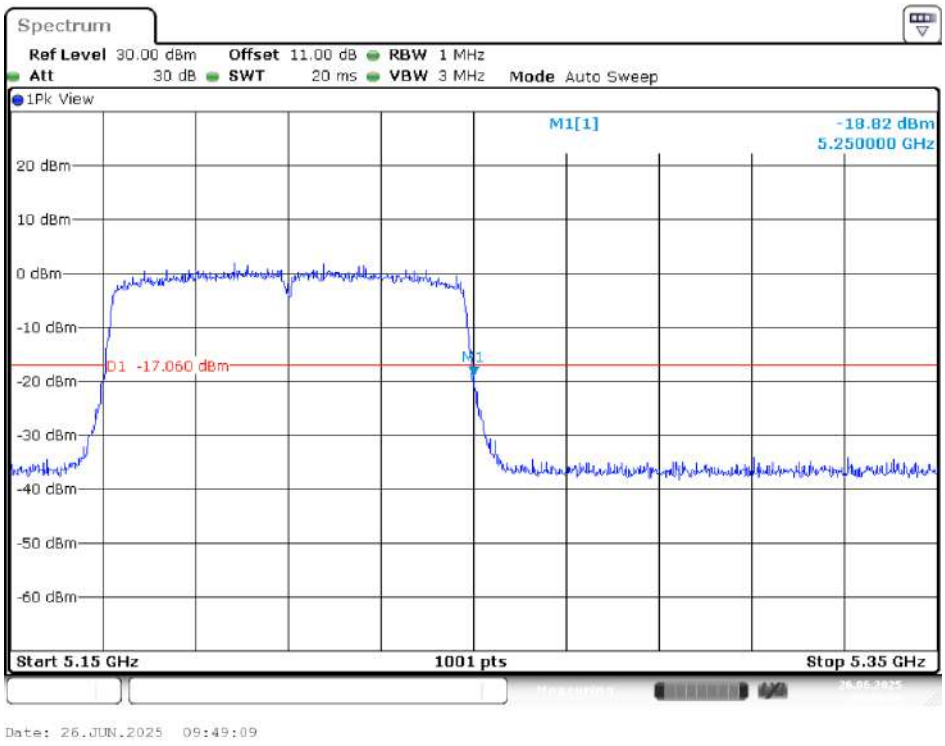


5230MHz



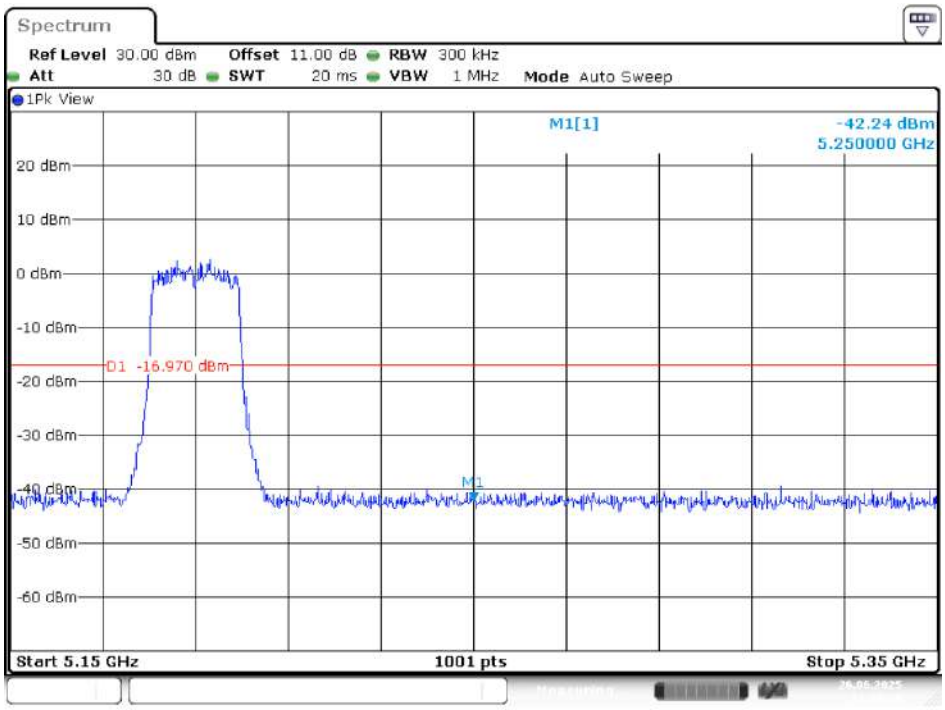
IEEE 802.11ac VHT80 Mode / 5150~5250MHz

5210MHz



IEEE 802.11ax HE20 Mode / 5150~5250MHz

5180MHz



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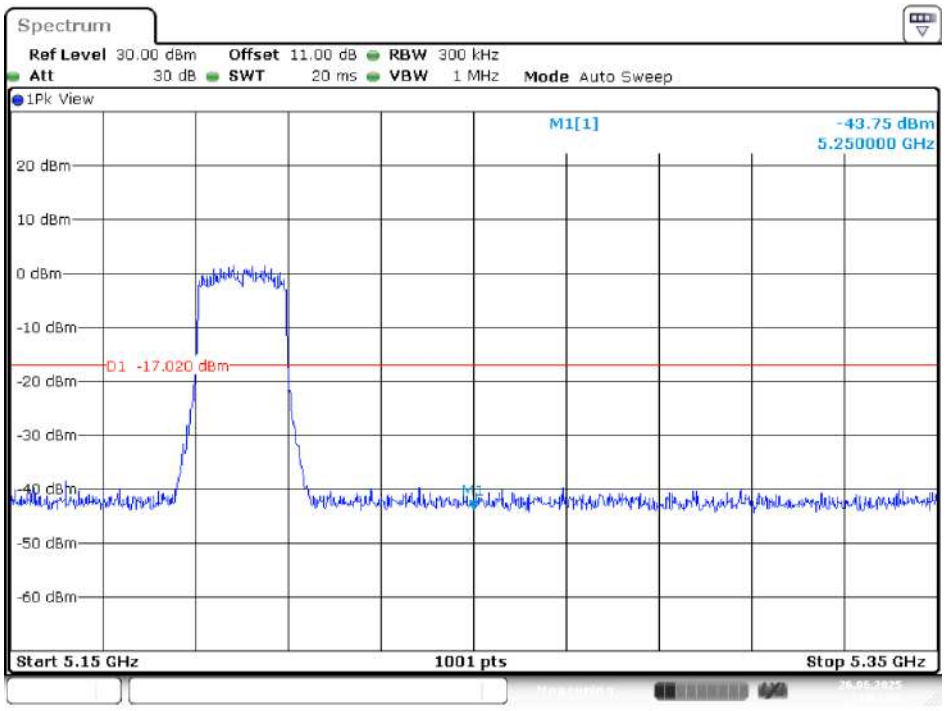
5200MHz



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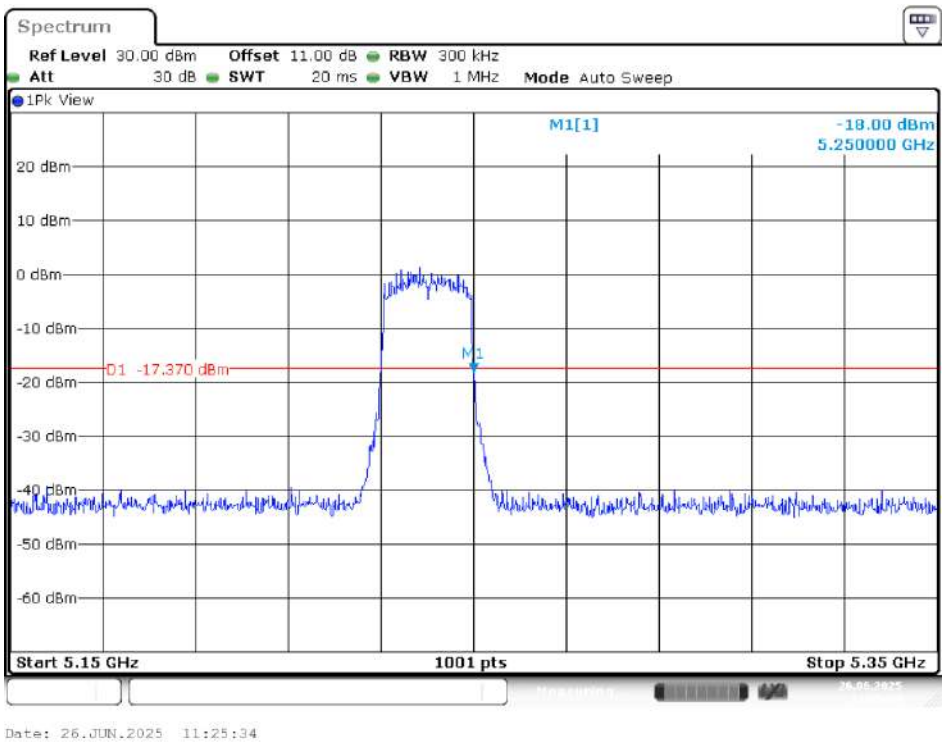
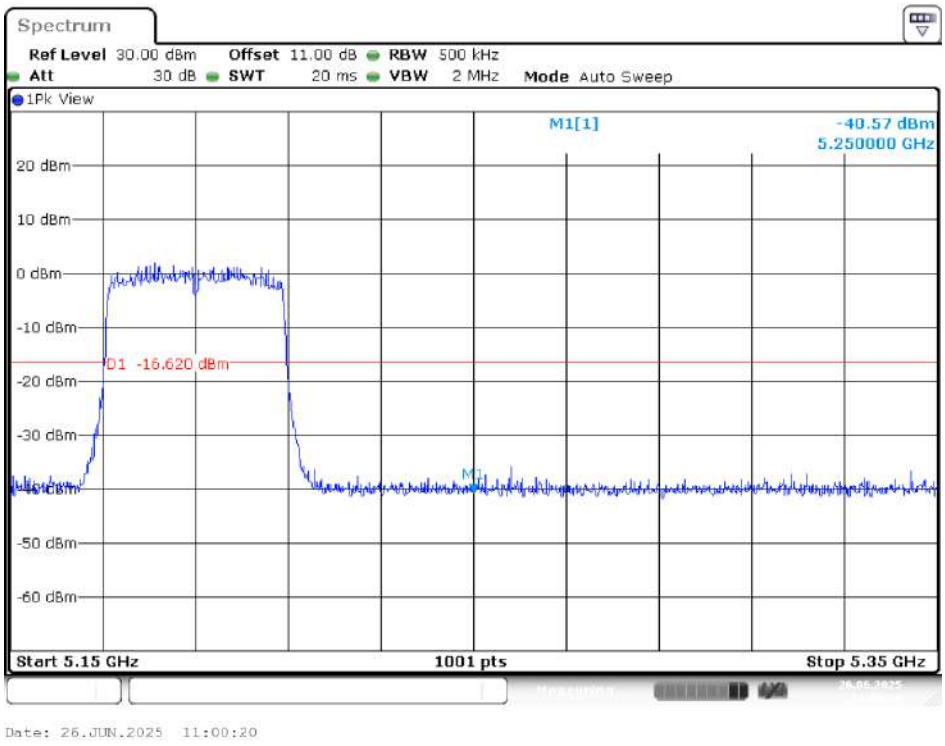
5240MHz

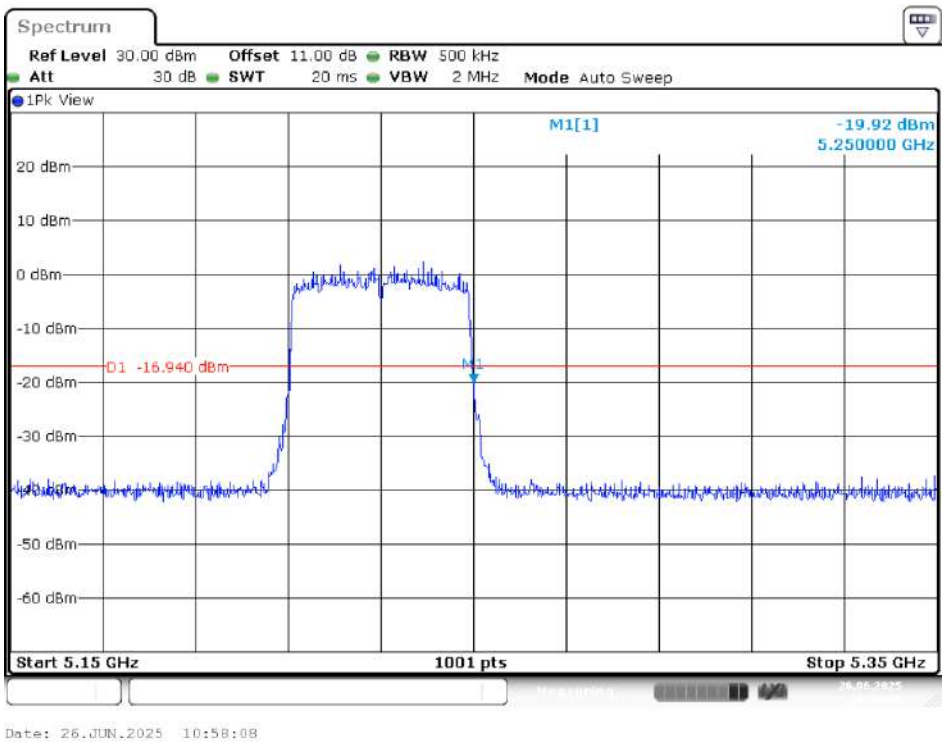


IEEE 802.11ax HE40 Mode / 5150~5250MHz

5190MHz

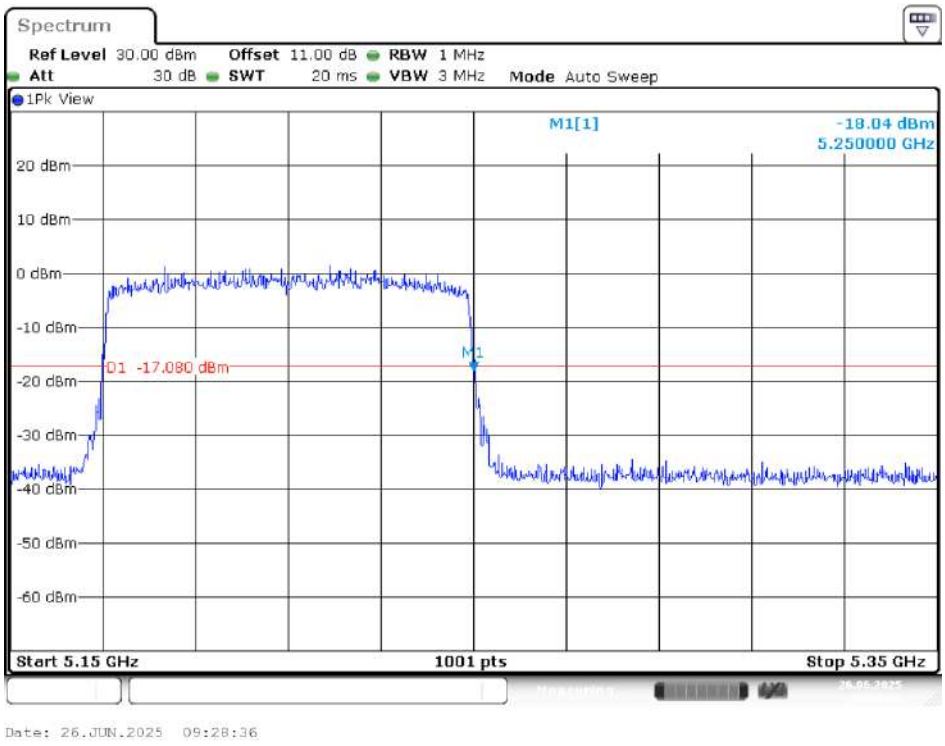


5230MHz



IEEE 802.11ax HE80 Mode /5150~5250MHz

5210MHz



9 FCC §15.407(a)(e) & RSS-247 §6.2, RSS-GEN §6.7 – Emission Bandwidth And Occupied Bandwidth

9.1 Applicable Standard

As per FCC §15.407(a): The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

As per FCC §15.407(e): for equipment operating in the band 5725 – 5850 MHz, the minimum 6 dB bandwidth of U-NII devices shall be 500 kHz.

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

RSS-247 Clause 6.2.4.2

For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

RSS-Gen Clause 6.7

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

9.2 Test Procedure

26dB Emission Bandwidth (EBW)

According to ANSI C63.10-2020 + Cor.1-2023, Section 12.5.2

a) Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) 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 instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

Minimum Emission Bandwidth for the band 5.725-5.85 GHz

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) ≥ 3 × RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

99% Occupied Bandwidth:

According to ANSI C63.10-2020 + Cor.1-2023, Section 12.5.3&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

The following procedure shall be used for measuring 99% power bandwidth:

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.6.2.

d) Step a) through step c) might require iteration to adjust within the specified range.

e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.

f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

9.3 Test Results

Test mode: Transmitting

Beamforming

5150-5250MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)		99% Emission Bandwidth (MHz)	
				Chain 0	Chain 1	Chain 0	Chain 1
UNII-1	802.11ac 20	36	5180	21.64	21.76	17.62	17.54
		40	5200	21.40	21.72	17.62	17.58
		48	5240	21.36	21.64	17.50	17.58
	802.11ac 40	38	5190	41.04	41.04	36.12	36.12
		46	5230	41.04	41.60	36.12	36.12
	802.11ac 80	42	5210	83.20	82.56	75.28	75.44
	802.11ax 20	36	5180	21.32	21.56	18.86	18.90
		40	5200	22.08	21.92	18.98	18.94
		48	5240	21.20	21.76	18.90	18.94
	802.11ax 40	38	5190	41.28	41.44	37.80	37.72
		46	5230	41.04	41.68	37.64	37.72
	802.11ax 80	42	5210	82.72	82.88	77.36	77.20

The 99% Occupied Bandwidth have not fallen into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5725-5850MHz

UNII Band	Mode	Channel	Frequency (MHz)	6dB Emission Bandwidth (MHz)		99% Emission Bandwidth (MHz)		Limit (kHz)	Result
				Chain0	Chain 1	Chain 0	Chain 1		
UNII-3	802.11ac 20	149	5745	17.04	17.16	17.58	17.62	≥500	PASS
		157	5785	16.80	17.52	17.58	17.62	≥500	PASS
		165	5825	17.52	16.92	17.58	17.62	≥500	PASS
	802.11ac 40	151	5755	36.32	36.32	36.12	36.12	≥500	PASS
		159	5795	36.24	36.24	36.20	36.12	≥500	PASS
	802.11ac 80	155	5775	75.04	75.04	75.44	75.44	≥500	PASS
	802.11ax 20	149	5745	18.40	18.52	18.90	18.94	≥500	PASS
		157	5785	18.60	18.40	18.90	18.94	≥500	PASS
		165	5825	18.56	18.20	18.94	18.98	≥500	PASS
	802.11ax 40	151	5755	38.00	37.76	37.72	37.72	≥500	PASS
		159	5795	38.00	37.76	37.80	37.72	≥500	PASS
	802.11ax 80	155	5775	76.48	73.60	77.20	77.20	≥500	PASS

The 99% Occupied Bandwidth have not fallen into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

Non Beamforming

5150-5250MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)		99% Emission Bandwidth (MHz)	
				Chain 0	Chain 1	Chain 0	Chain 1
UNII-1	802.11a	36	5180	21.12	20.80	16.26	16.38
		40	5200	20.12	20.80	16.42	16.38
		48	5240	20.48	20.80	16.38	16.38
	802.11ac 20	36	5180	21.88	21.60	17.66	17.58
		40	5200	21.08	21.96	17.50	17.58
		48	5240	21.12	21.80	17.58	17.58
	802.11ac 40	38	5190	41.52	41.52	36.12	36.12
		46	5230	40.96	41.28	36.12	36.12
	802.11ac 80	42	5210	82.40	82.88	75.28	75.28
	802.11ax 20	36	5180	21.76	21.64	19.10	18.94
		40	5200	21.36	21.64	18.82	18.90
		48	5240	21.60	22.88	18.94	18.90
	802.11ax 40	38	5190	41.04	41.60	37.56	37.72
		46	5230	41.20	41.60	37.64	37.80
	802.11ax 80	42	5210	82.56	83.68	77.04	77.20

The 99% Occupied Bandwidth have not fallen into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5725-5850MHz

UNII Band	Mode	Channel	Frequency (MHz)	6dB Emission Bandwidth (MHz)		99% Emission Bandwidth (MHz)		Limit (kHz)	Result
				Chain0	Chain 1	Chain 0	Chain 1		
UNII-3	802.11a	149	5745	16.12	16.28	16.38	16.38	≥500	PASS
		157	5785	16.28	16.28	16.38	16.38	≥500	PASS
		165	5825	16.28	16.32	16.38	16.38	≥500	PASS
	802.11ac 20	149	5745	16.64	17.56	17.58	17.58	≥500	PASS
		157	5785	17.16	17.56	17.58	17.62	≥500	PASS
		165	5825	17.16	17.56	17.54	17.62	≥500	PASS
	802.11ac 40	151	5755	36.32	36.32	36.20	36.12	≥500	PASS
		159	5795	36.24	36.32	36.20	36.20	≥500	PASS
	802.11ac 80	155	5775	75.20	75.20	75.44	75.28	≥500	PASS
	802.11ax 20	149	5745	18.28	18.28	18.98	18.94	≥500	PASS
		157	5785	18.48	18.40	19.94	18.90	≥500	PASS
		165	5825	18.56	18.36	18.94	18.90	≥500	PASS
	802.11ax 40	151	5755	38.00	37.84	37.80	37.72	≥500	PASS
		159	5795	37.84	38.00	37.80	37.72	≥500	PASS
	802.11ax 80	155	5775	76.16	76.00	77.04	77.20	≥500	PASS

The 99% Occupied Bandwidth have not fallen into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

Please refer to the following plots

Transmitting Mode:

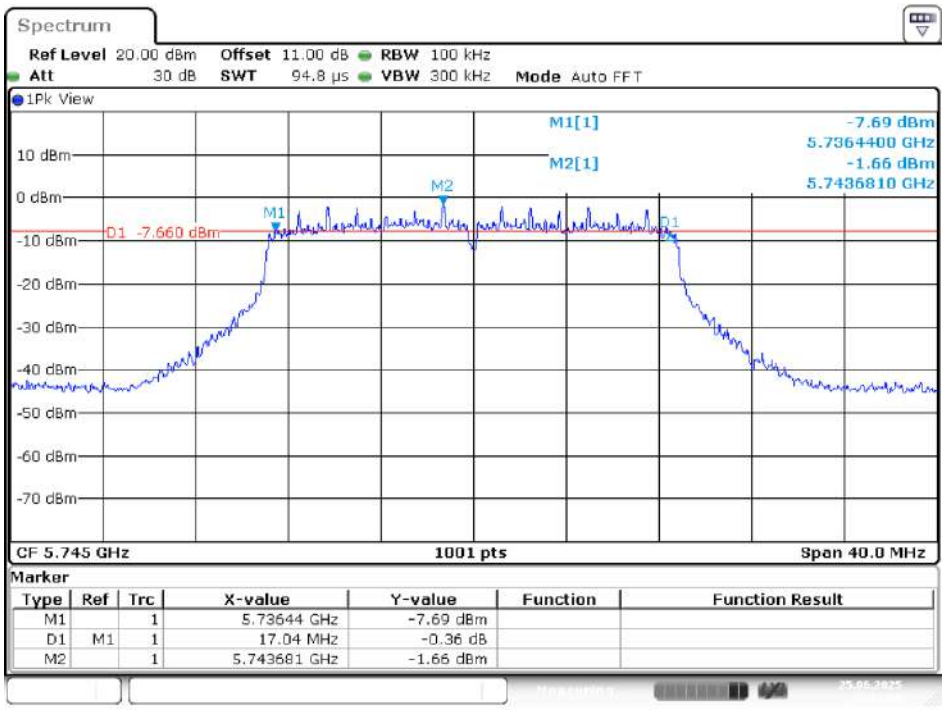
UNII-3 Band IV / BW 6dBc

Beamforming

(Chain 0)

IEEE 802.11 ac VHT20 Mode/5725 ~ 5850MHz

5745MH



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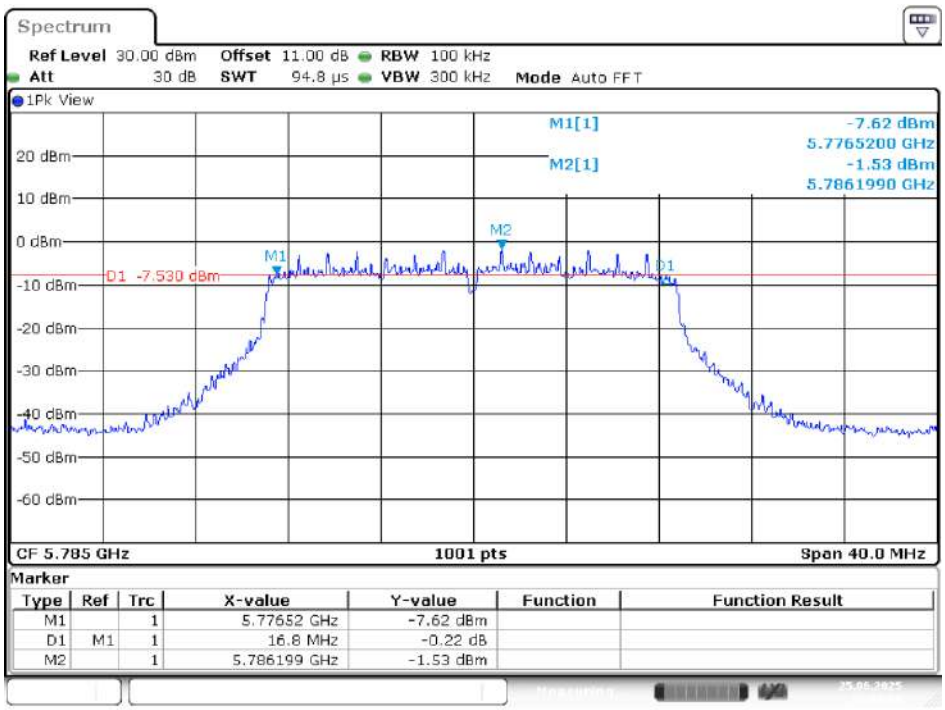

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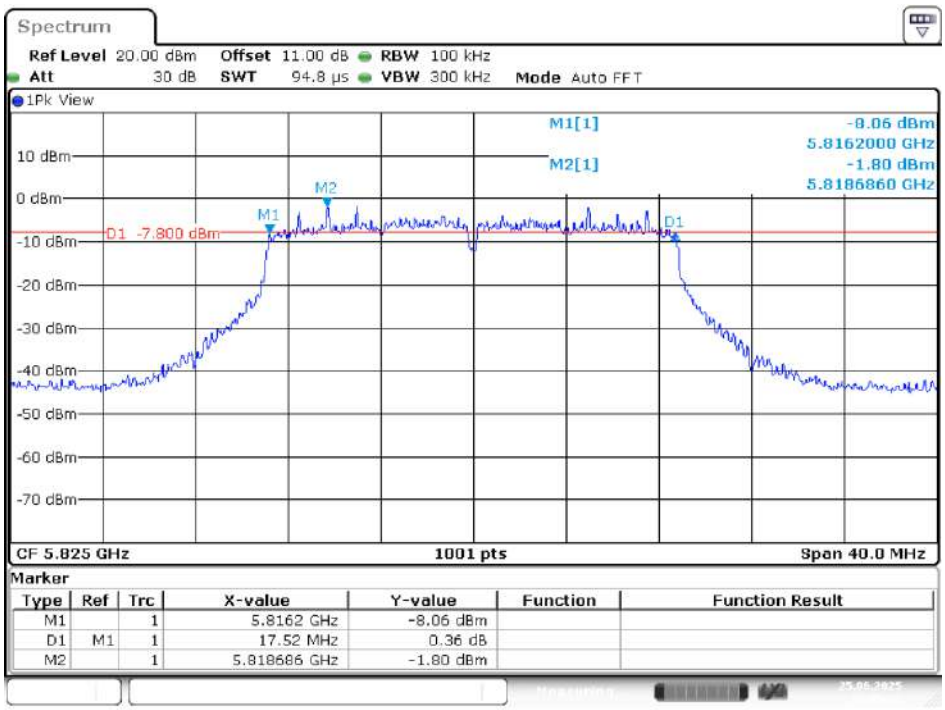
5825MHz



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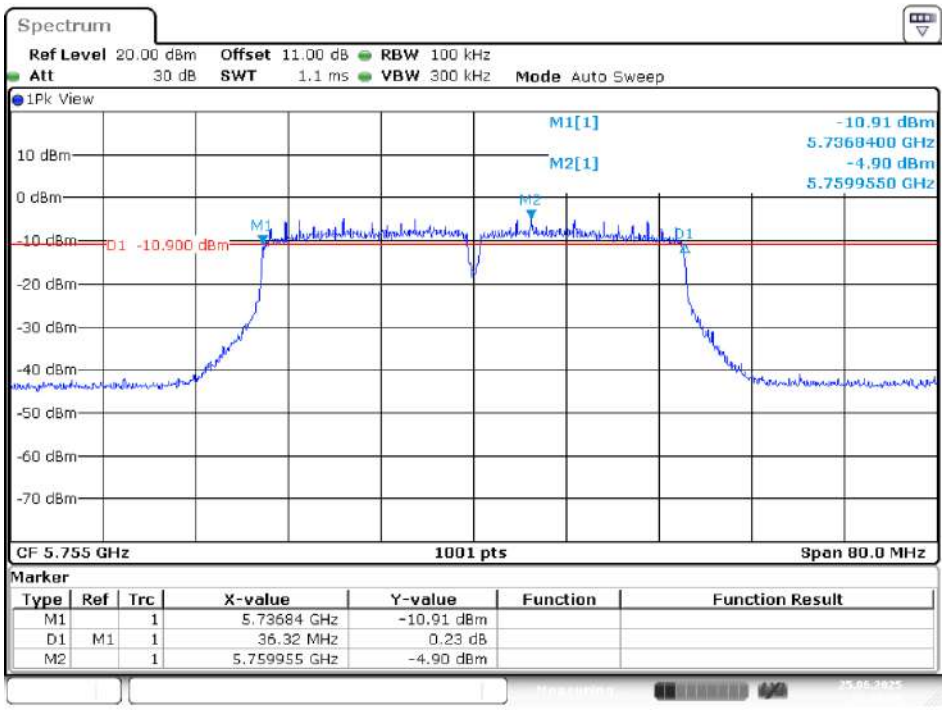
IEEE 802.11ac VHT40 Mode/5725 ~ 5850MHz

5755MHz



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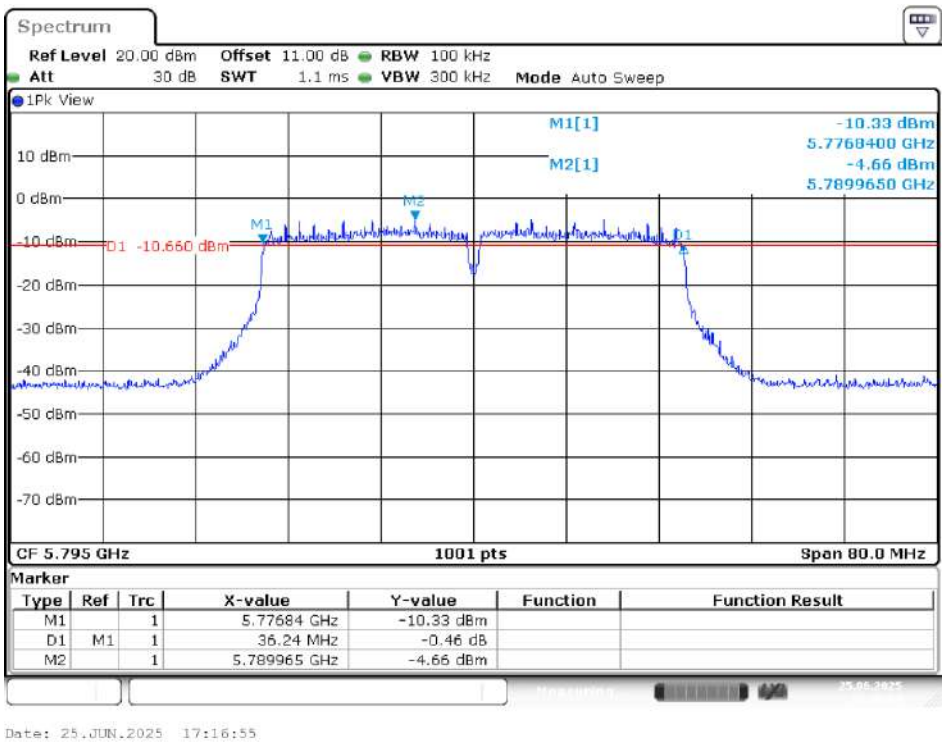
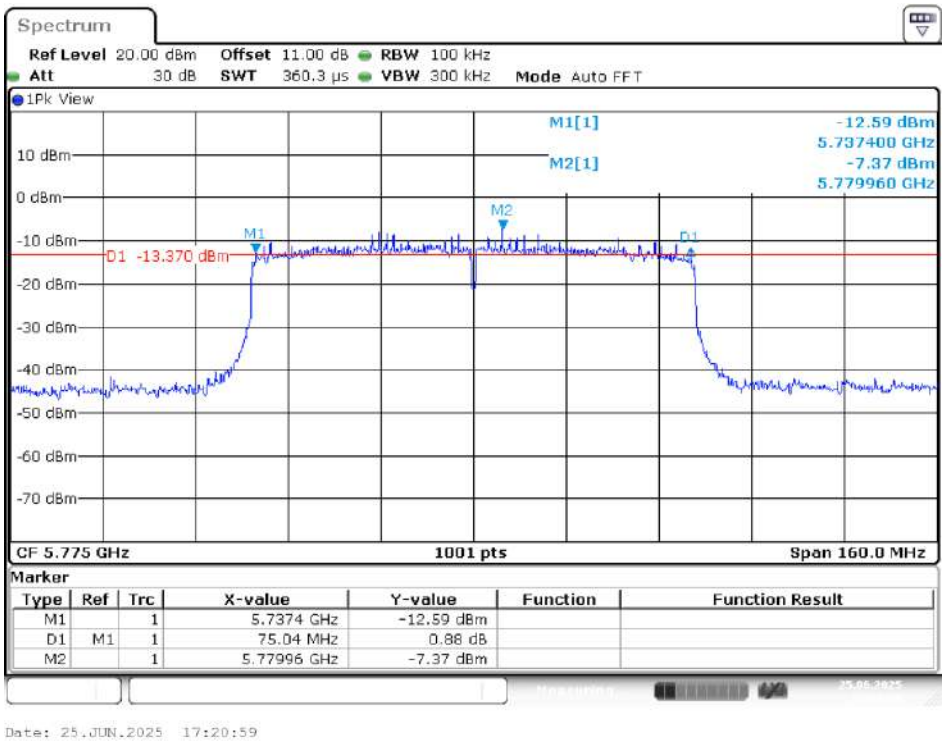
5795MHz



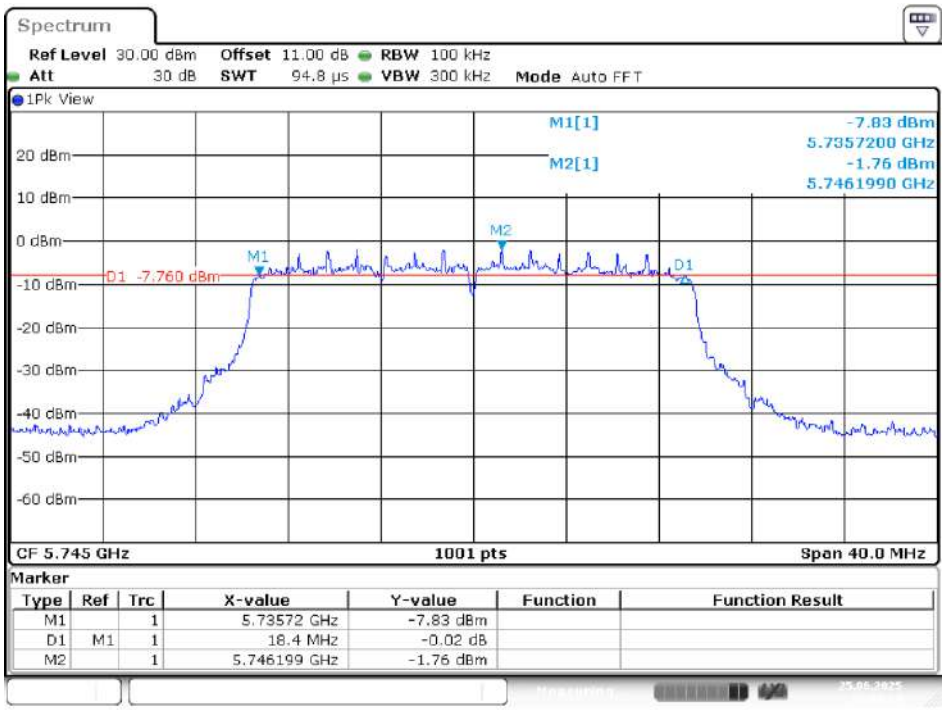
IEEE 802.11ac VHT80 Mode /5725 ~ 5850MHz

5775MHz



IEEE 802.11ax HE20 Mode/5725 ~ 5850MHz

5745MHz



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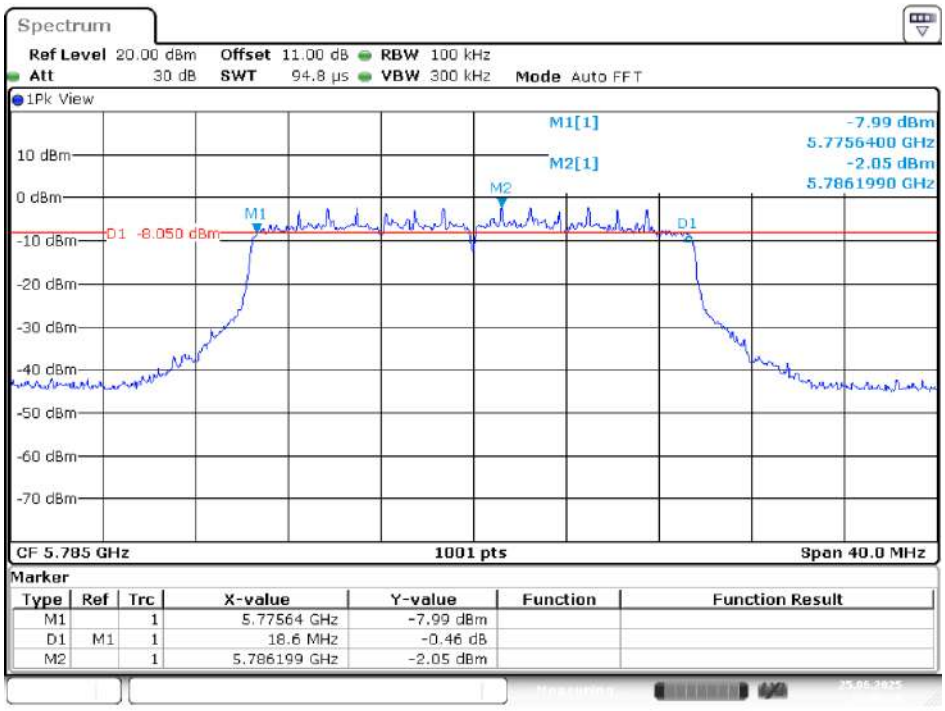
5785MHz



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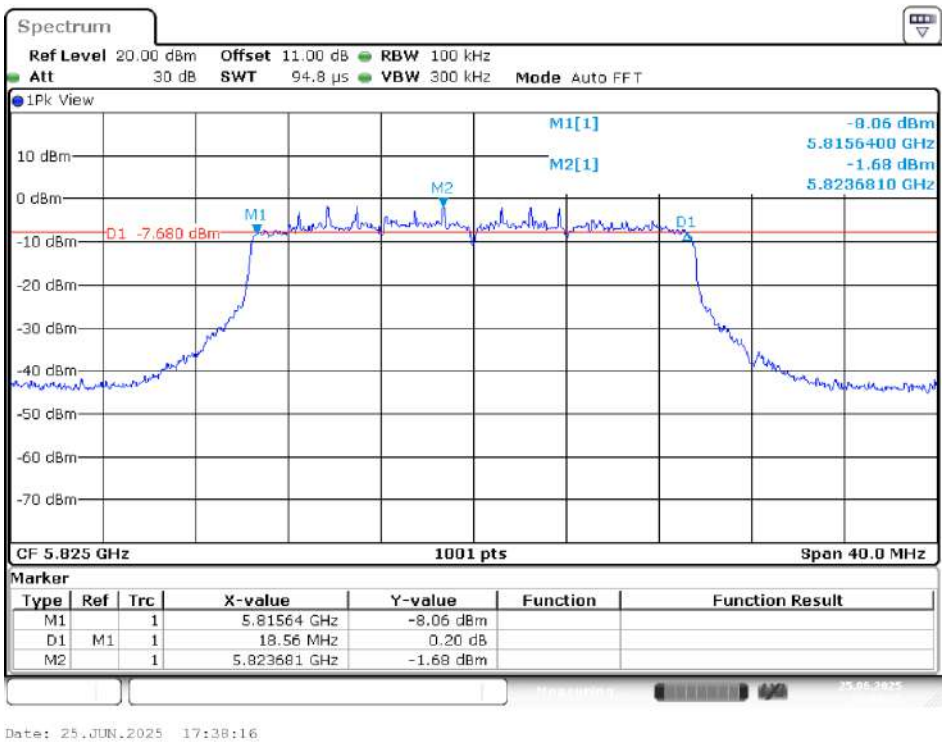
5825MHz



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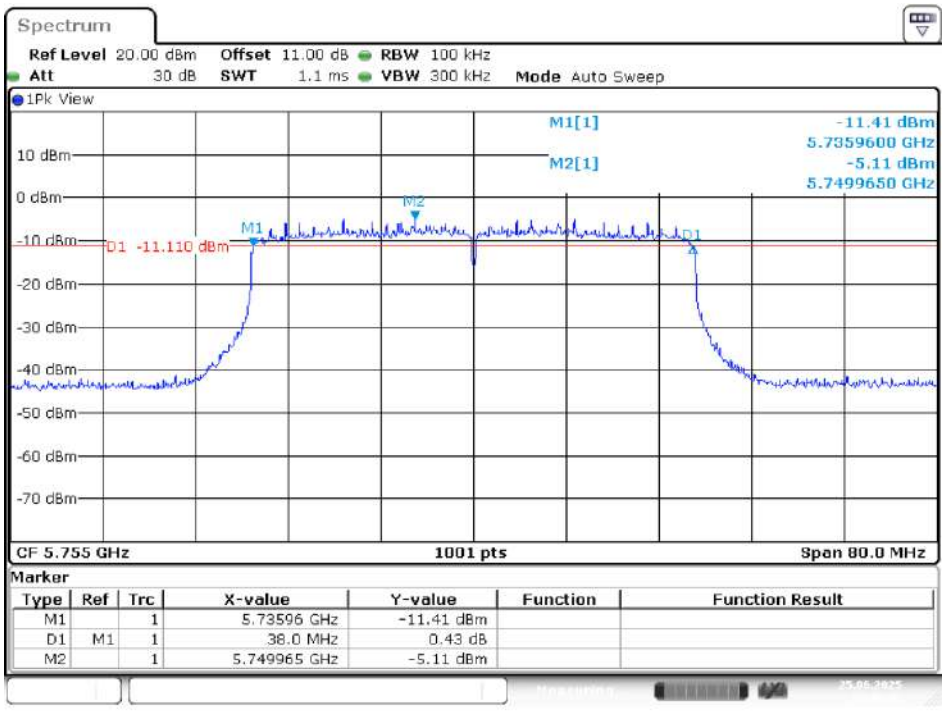
IEEE 802.11ax HE40 Mode/5725 ~ 5850MHz

5755MHz



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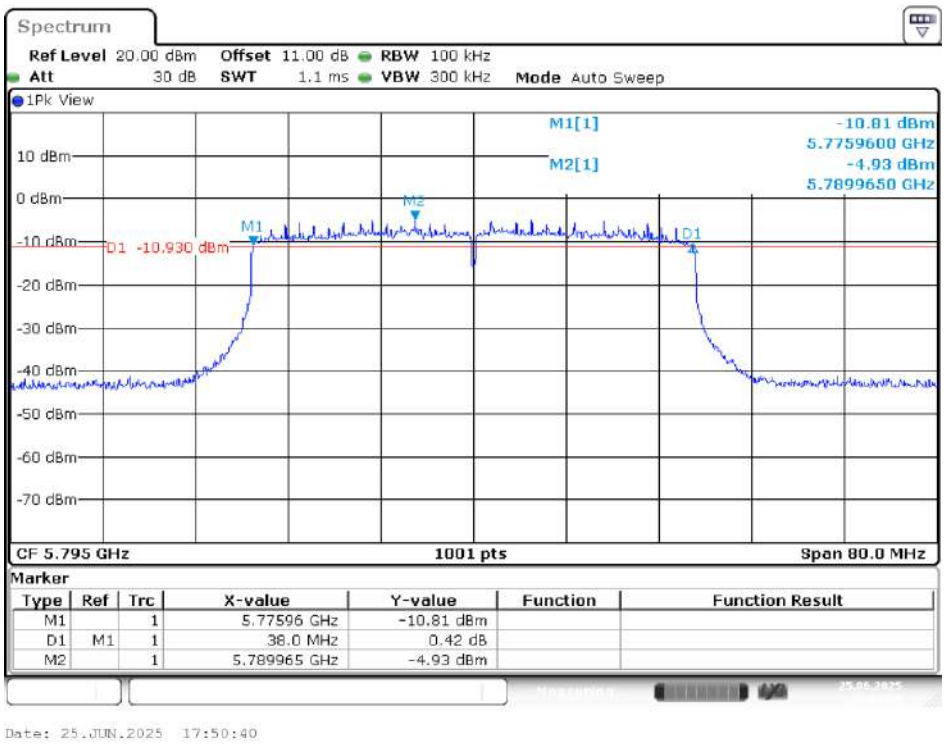
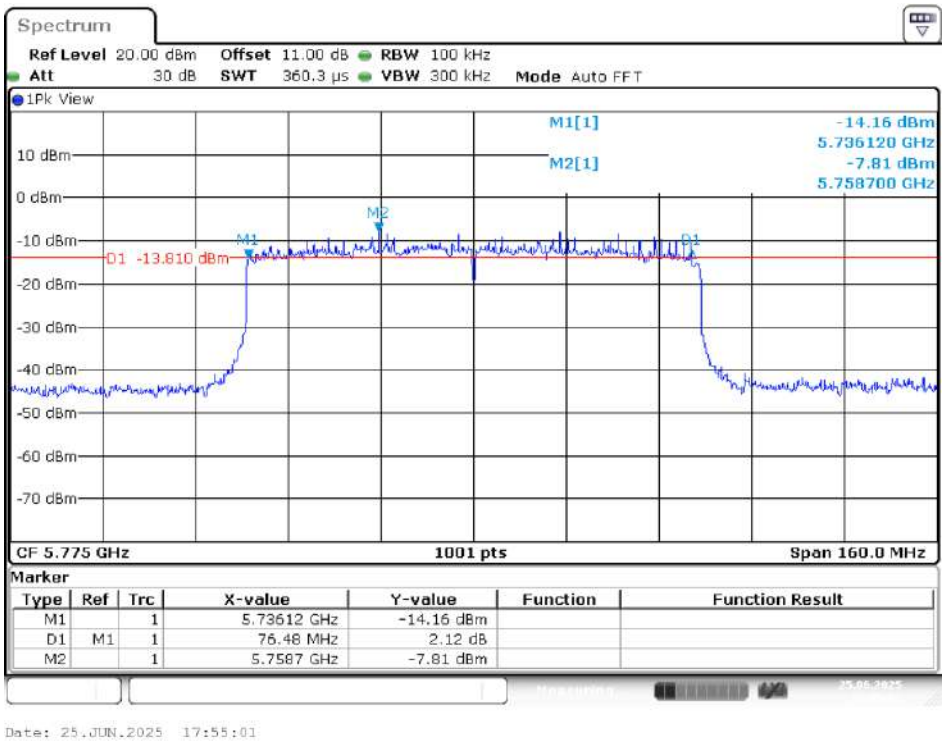
5795MHz



IEEE 802.11ax EH80 Mode/5725 ~ 5850MHz

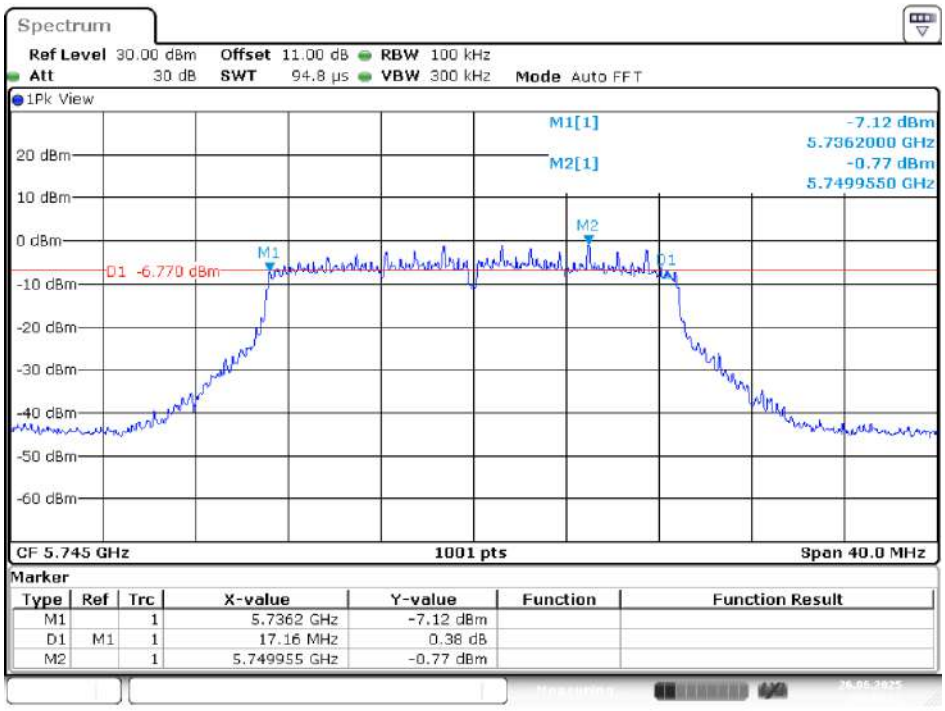
5775MHz



(Chain 1)

IEEE 802.11ac VHT20 Mode/5725 ~ 5850MHz

5745MHz



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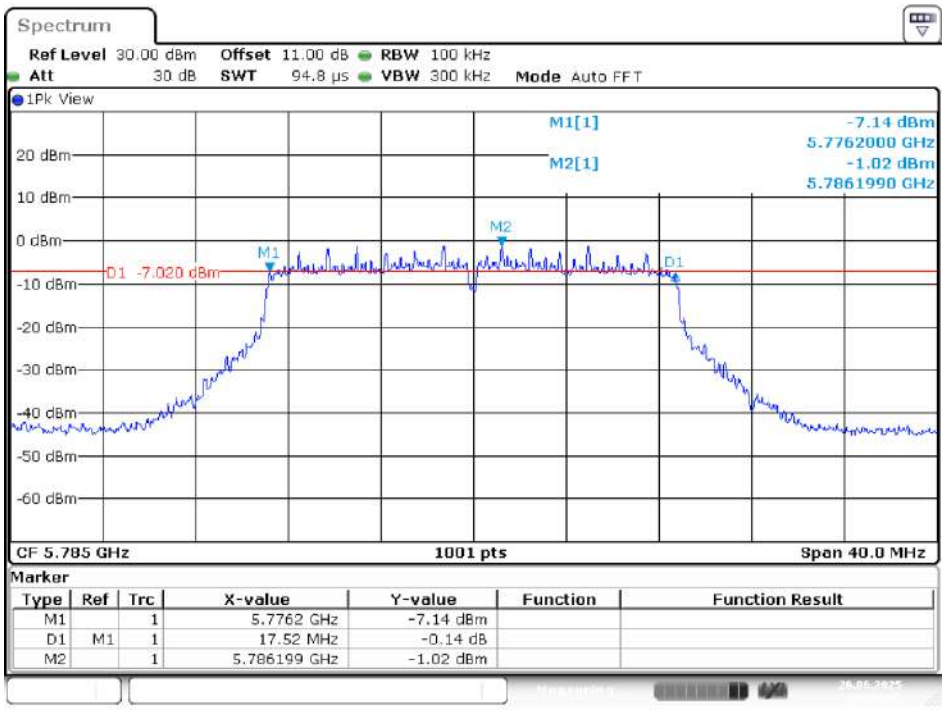
5785MHz



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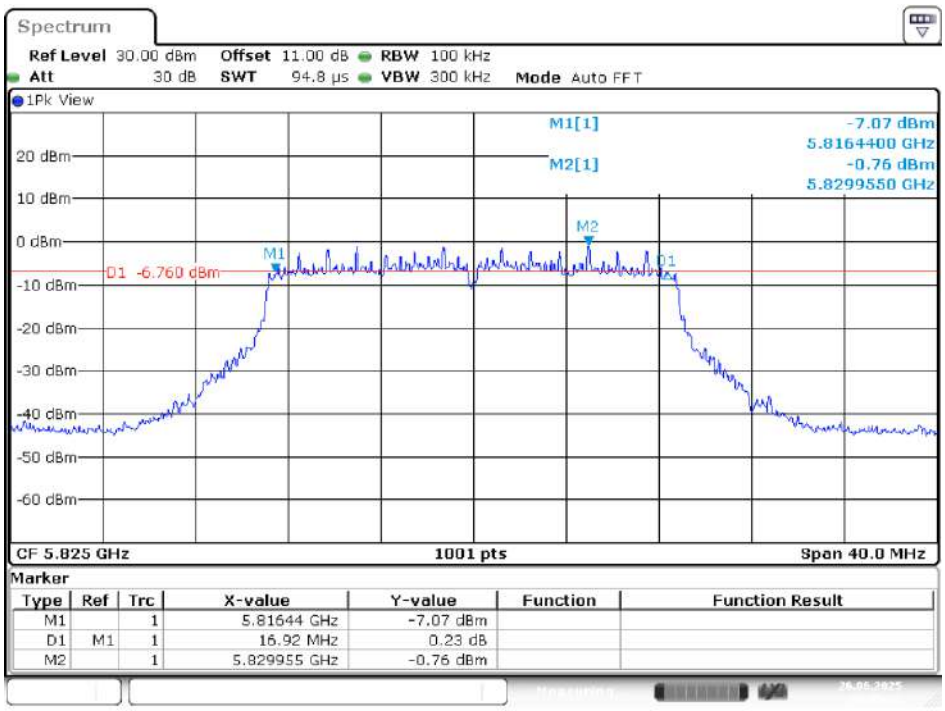
5825MHz



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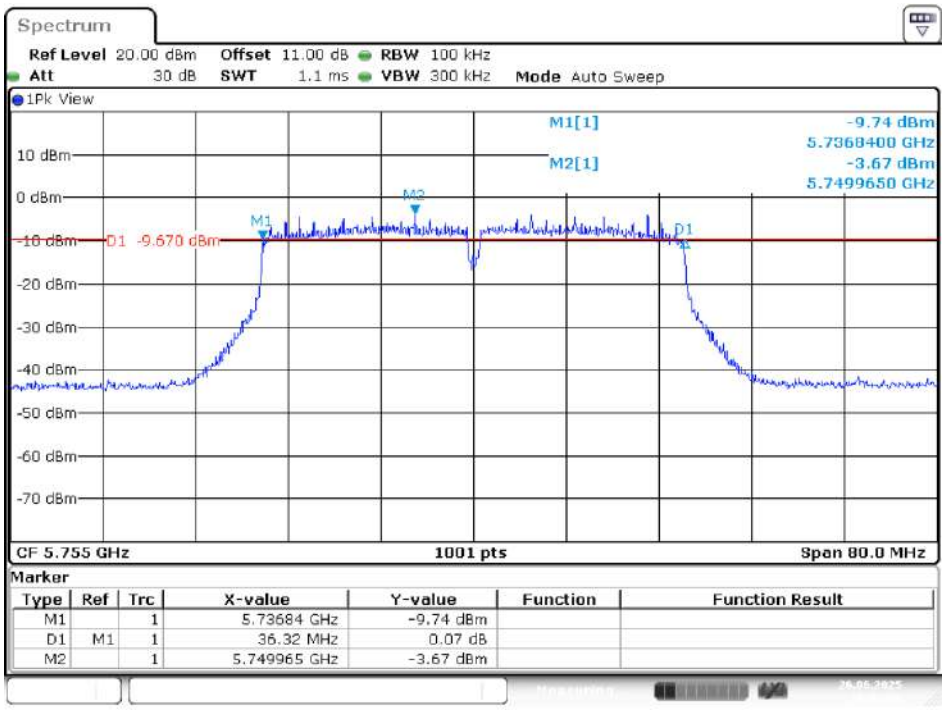
IEEE 802.11ac VHT40 Mode/5725~ 5850MHz

5755MHz



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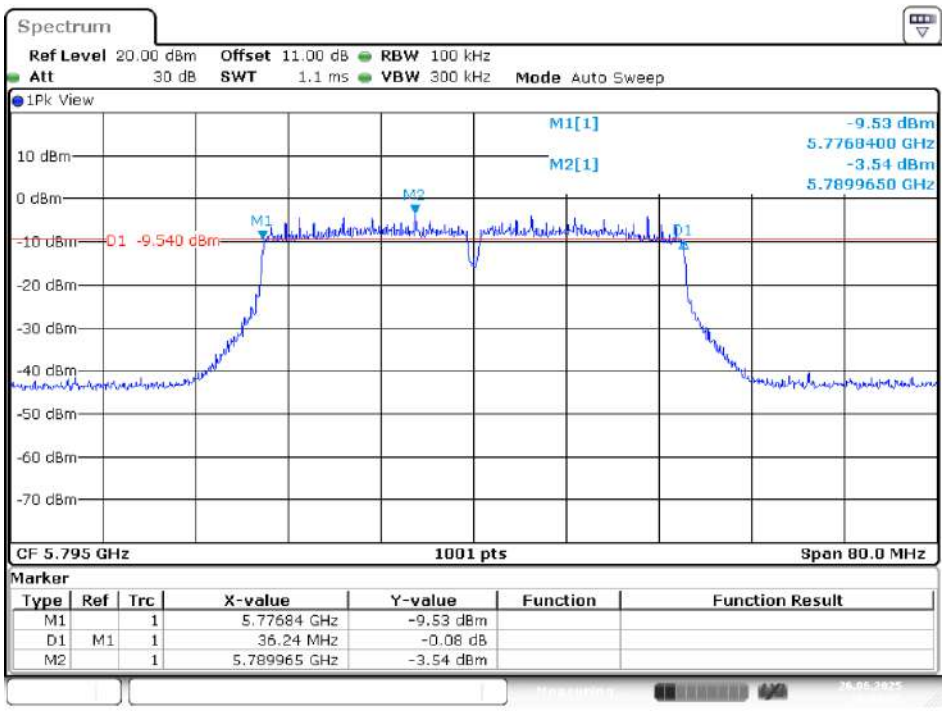
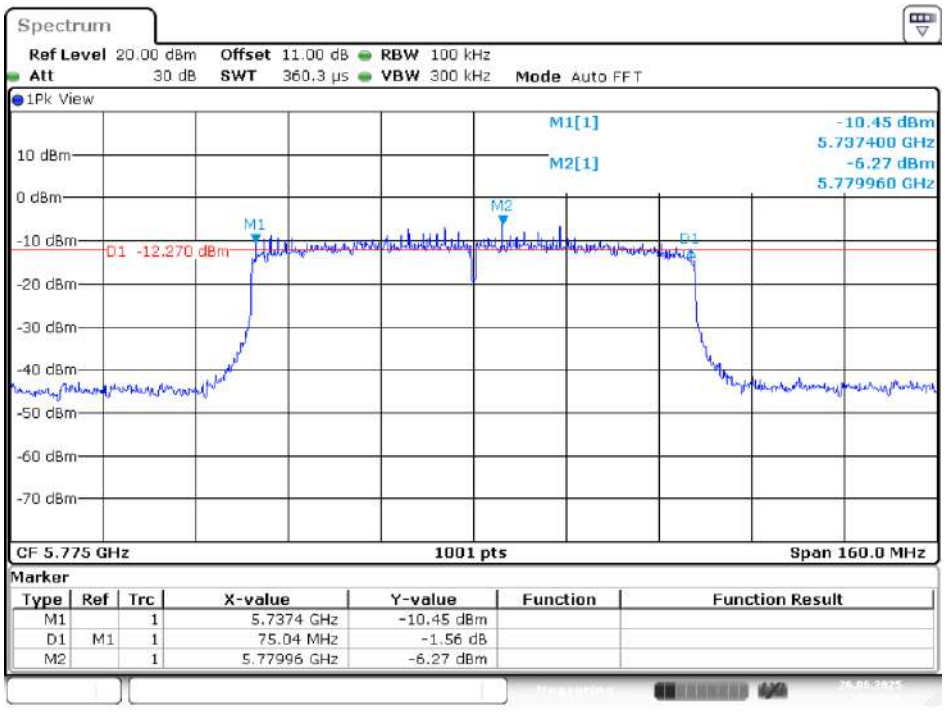
5795MHz



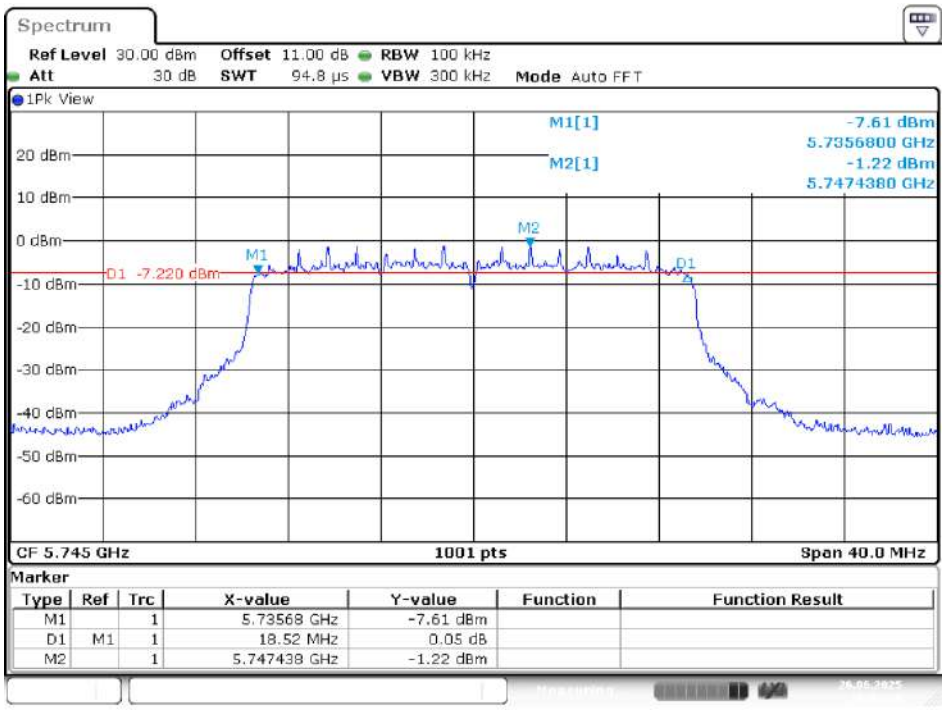
IEEE 802.11ac VHT80 Mode/5725~ 5850MHz

5775MHz



IEEE 802.11ax HE20 Mode/5725 ~ 5850MHz

5745MHz



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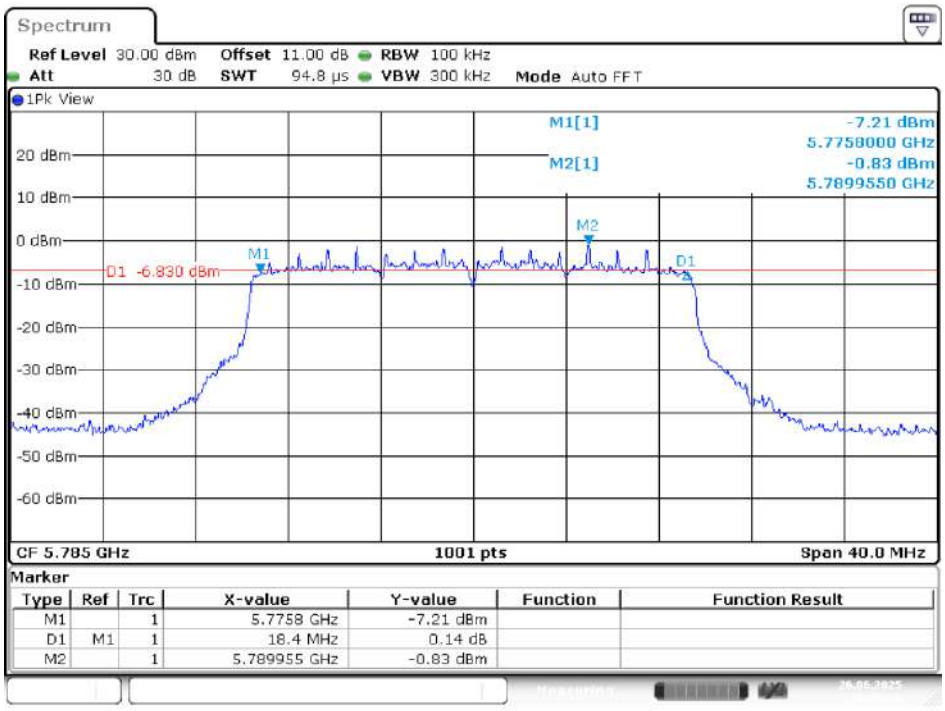
5785MHz



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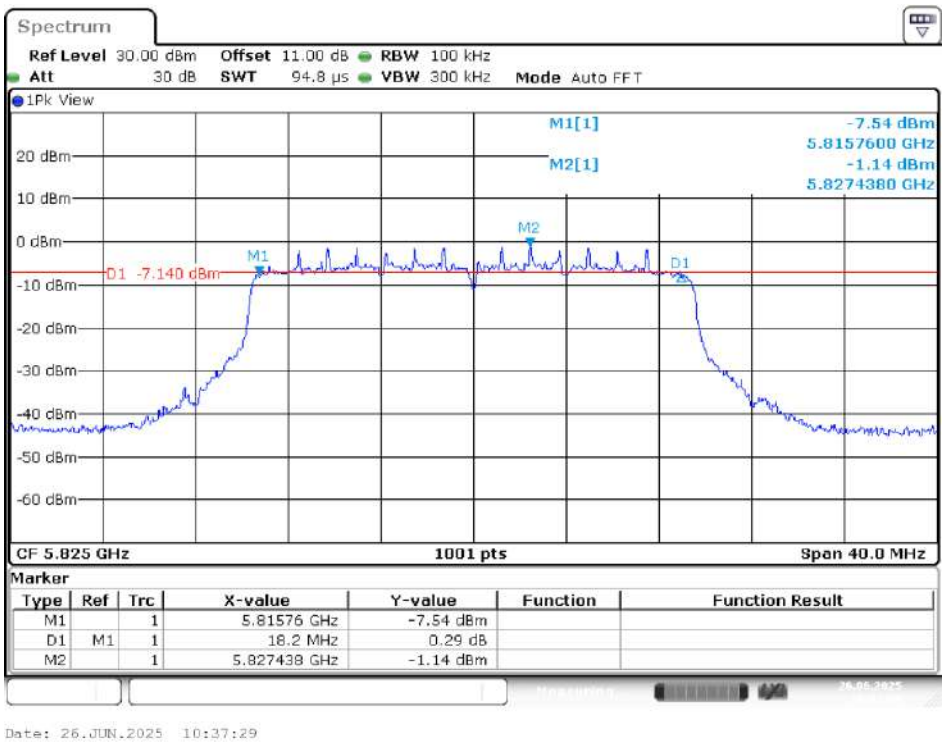
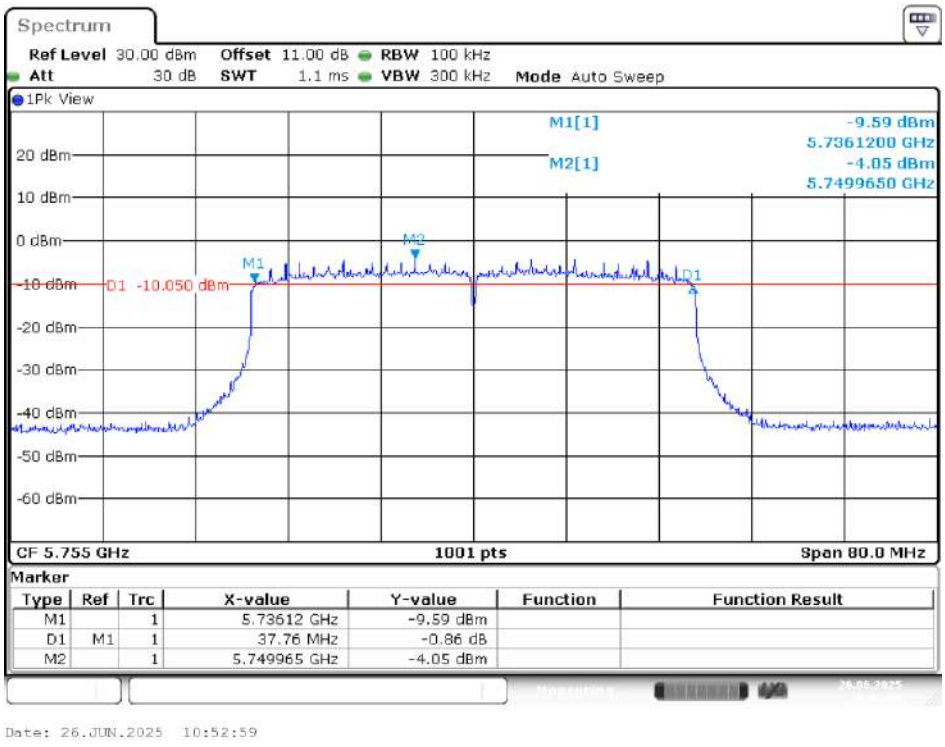
5825MHz

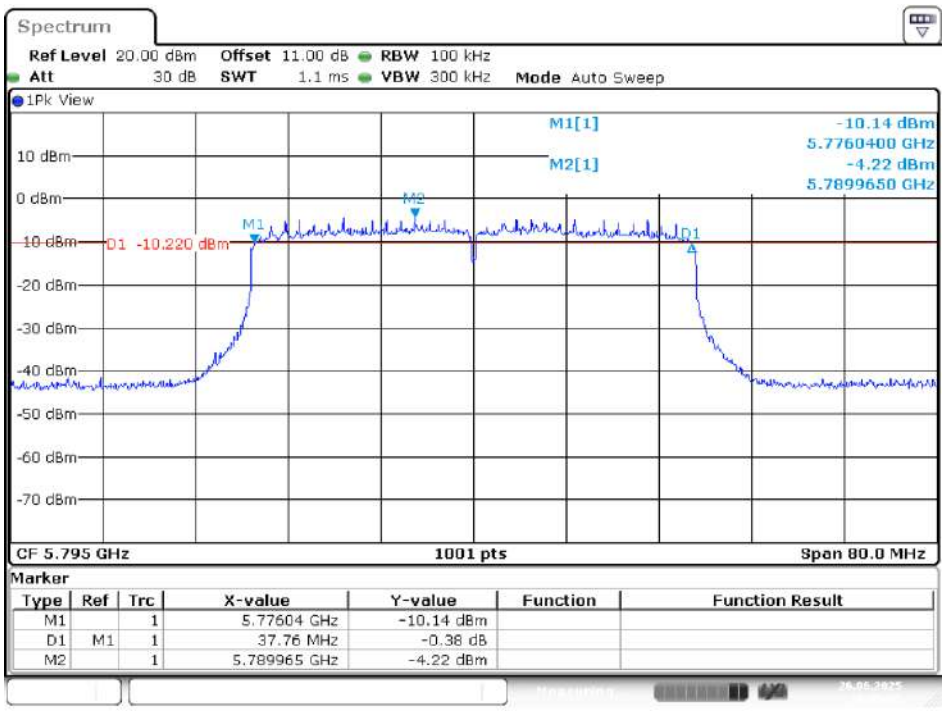


IEEE 802.11ax HE40 Mode/5725 ~ 5850MHz

5755MHz

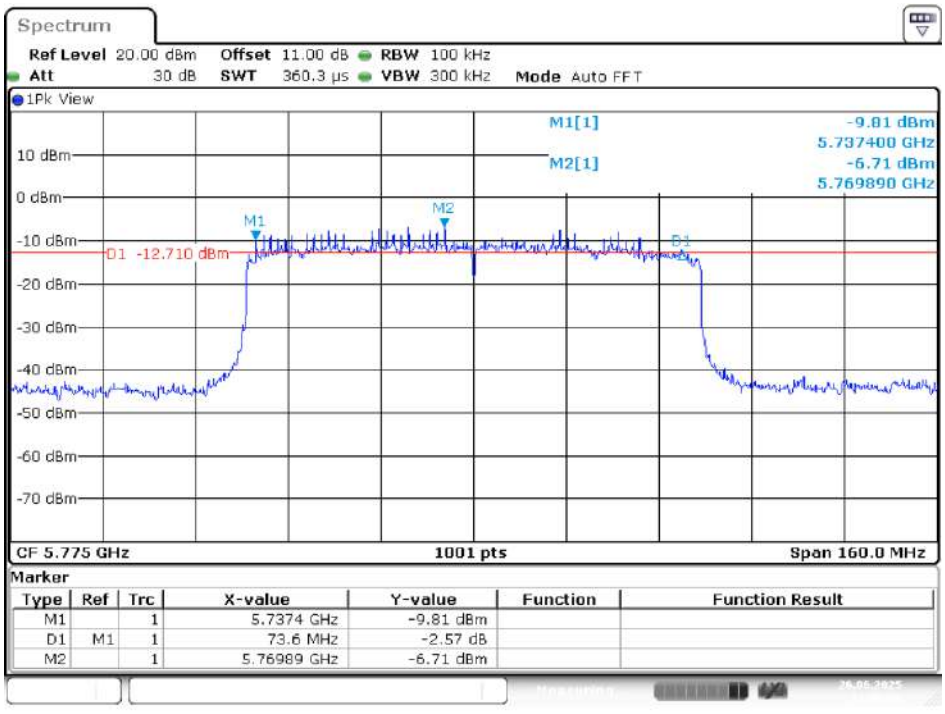


5795MHz



IEEE 802.11ax HE80 Mode /5725~ 5850MHz

5775MHz

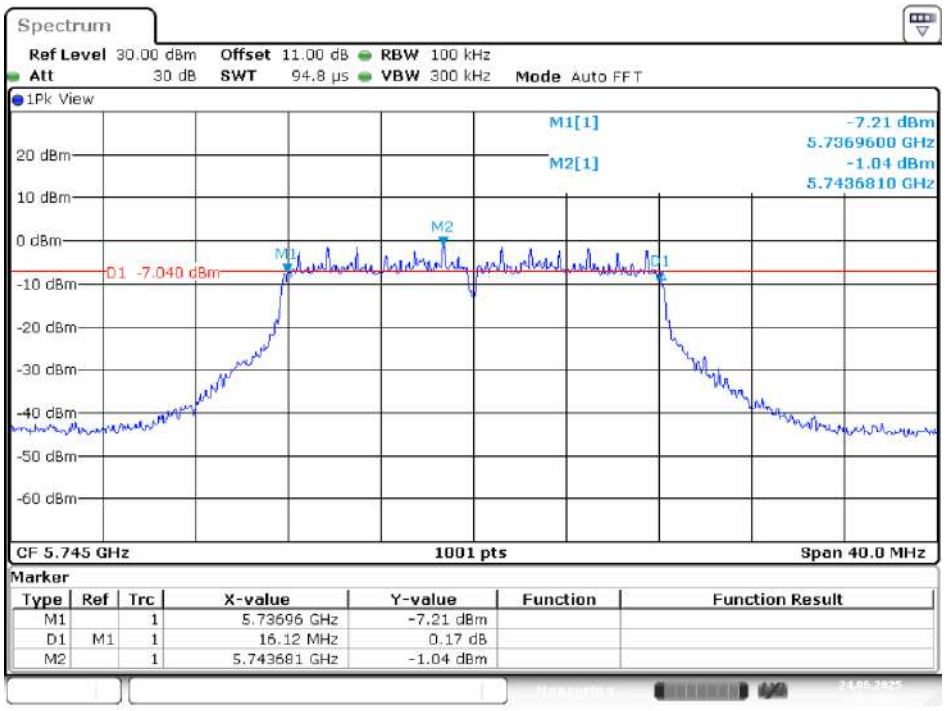


Non Beamforming

(Chain 0)

IEEE 802.11a Mode/5725 ~ 5850MHz

5745MH



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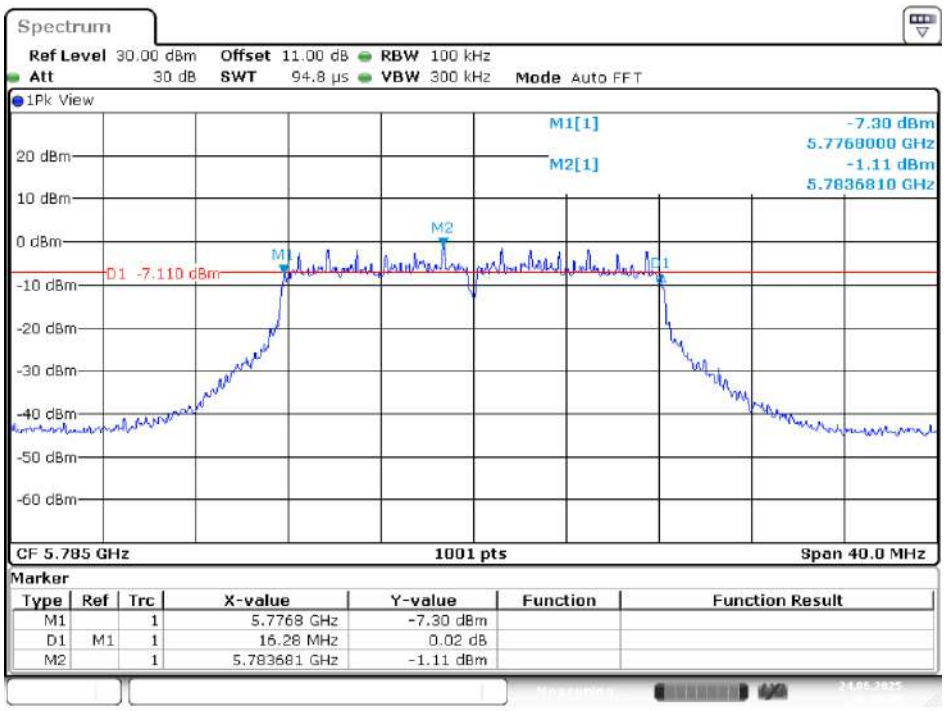
5785MHz



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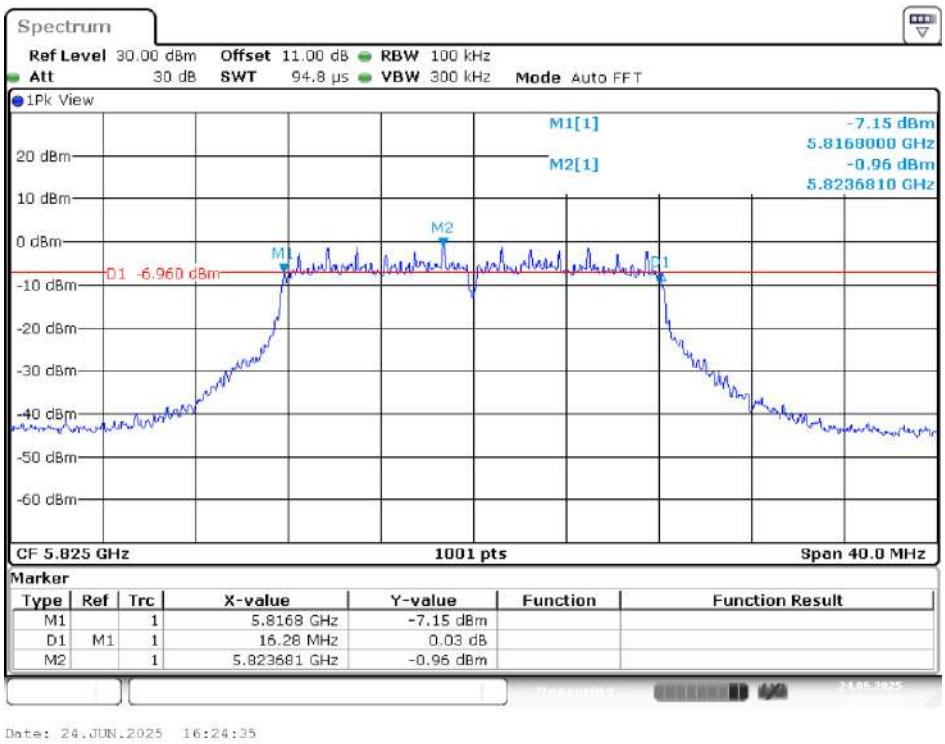
5825MHz



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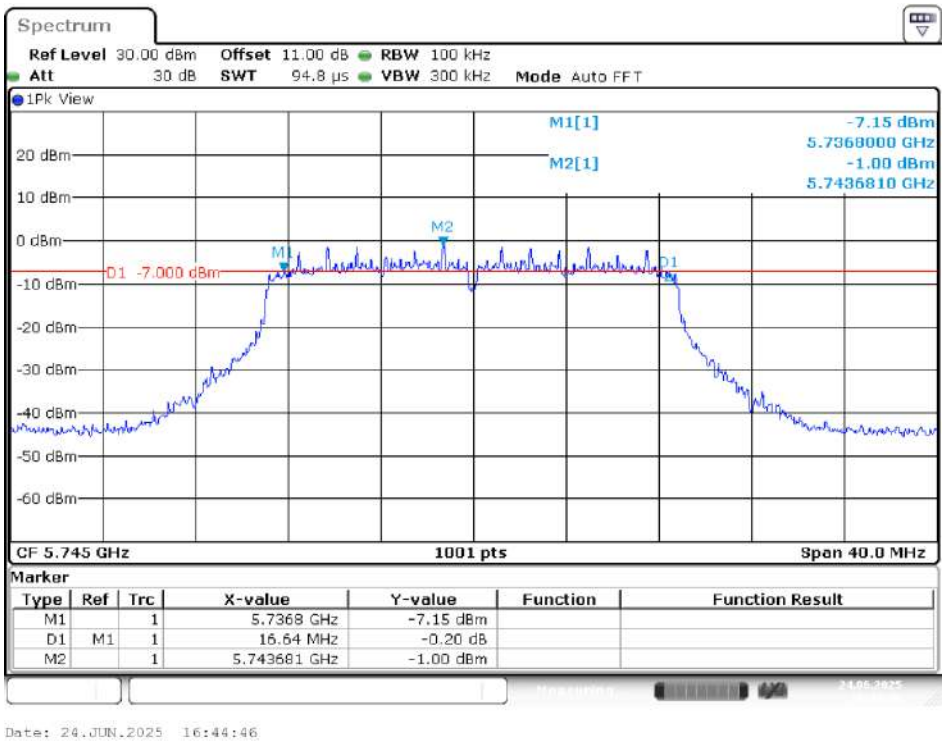
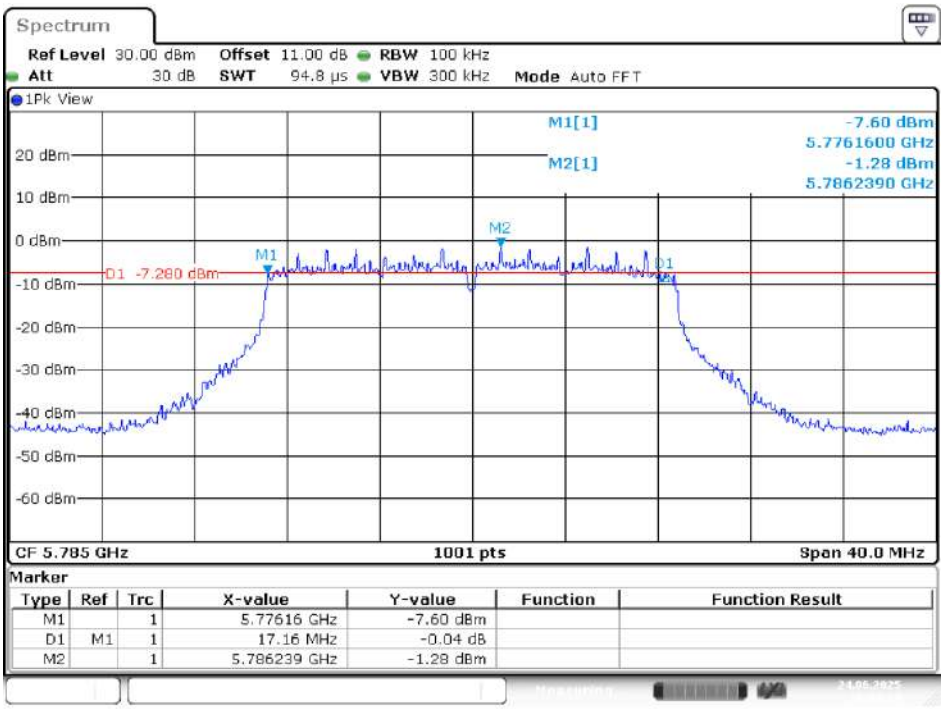
IEEE 802.11 ac VHT20 Mode/5725 ~ 5850MHz

5745MH



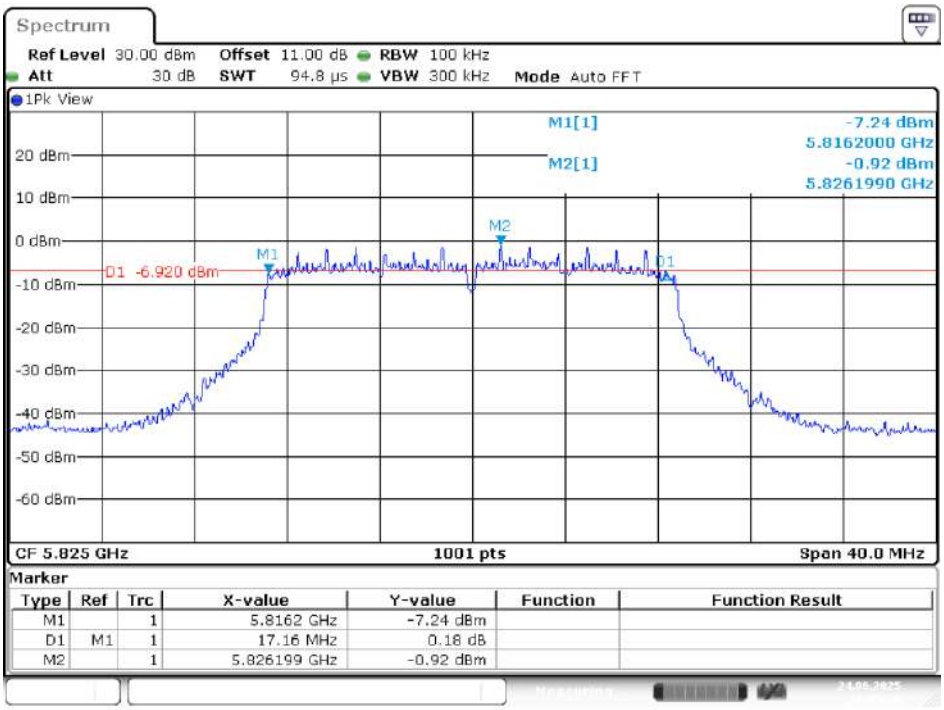
Date: 24.JUN.2025 16:44:46

5785MHz



Date: 24.JUN.2025 16:53:14

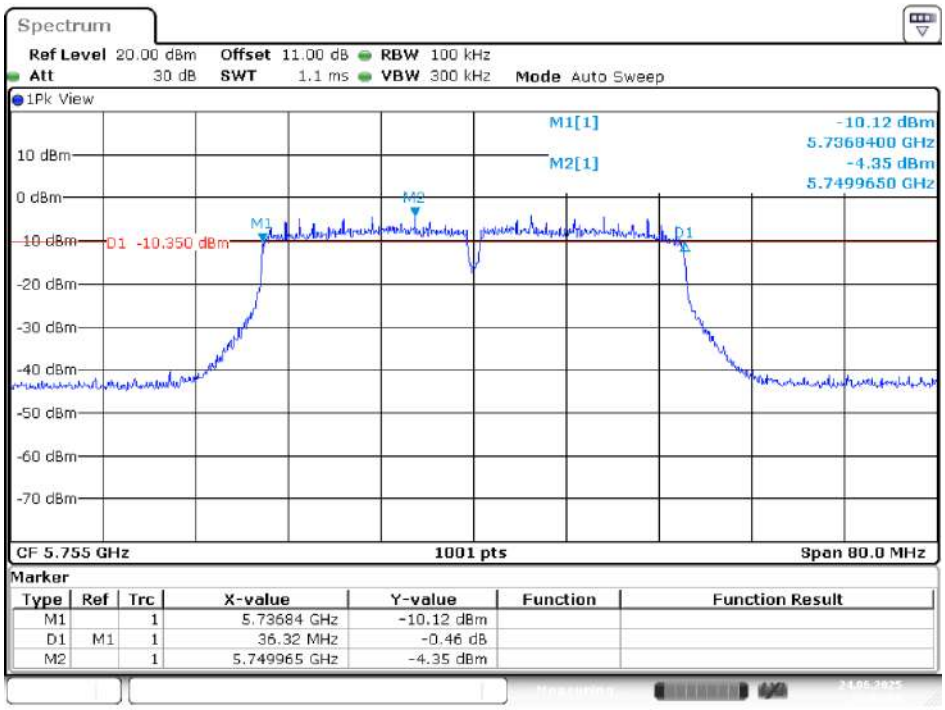
5825MHz



Date: 24.JUN.2025 16:55:18

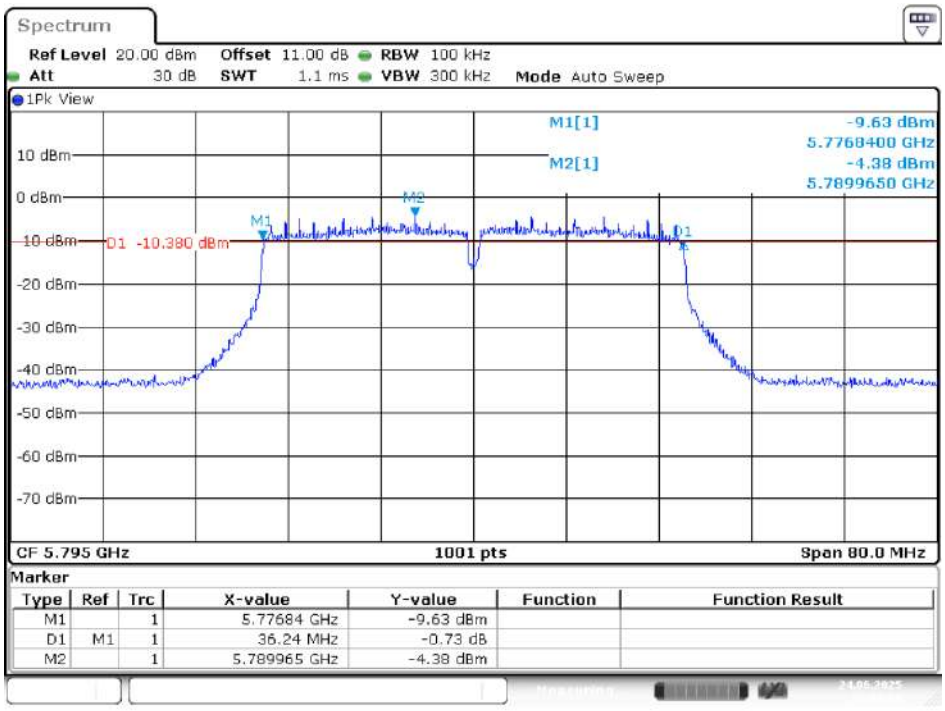
IEEE 802.11ac VHT40 Mode/5725 ~ 5850MHz

5755MHz



Date: 24.JUN.2025 17:02:00

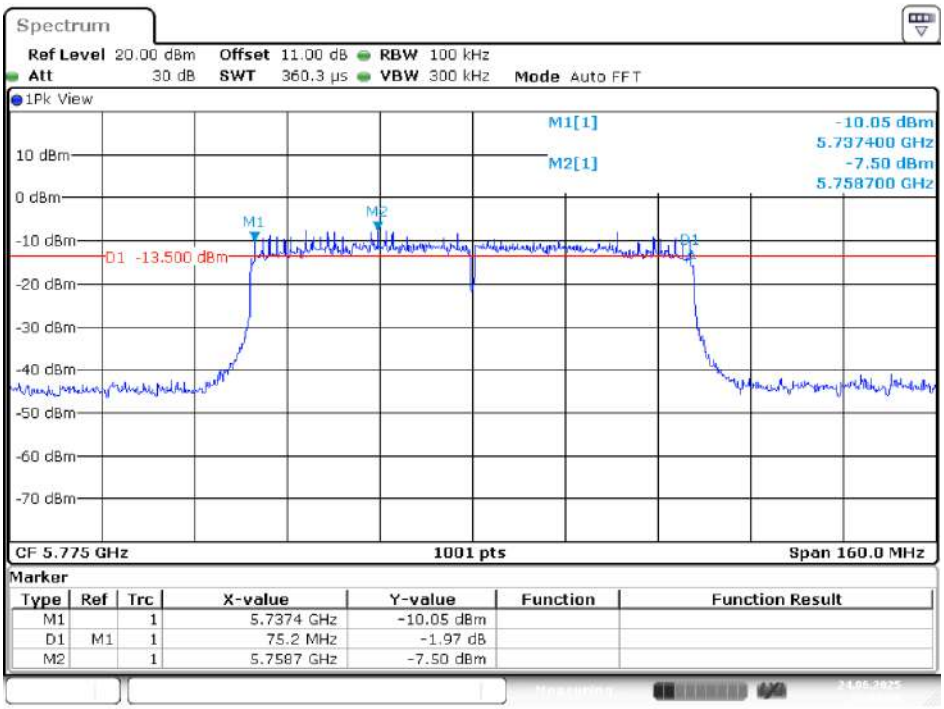
5795MHz



Date: 24.JUN.2025 17:04:08

IEEE 802.11ac VHT80 Mode /5725 ~ 5850MHz

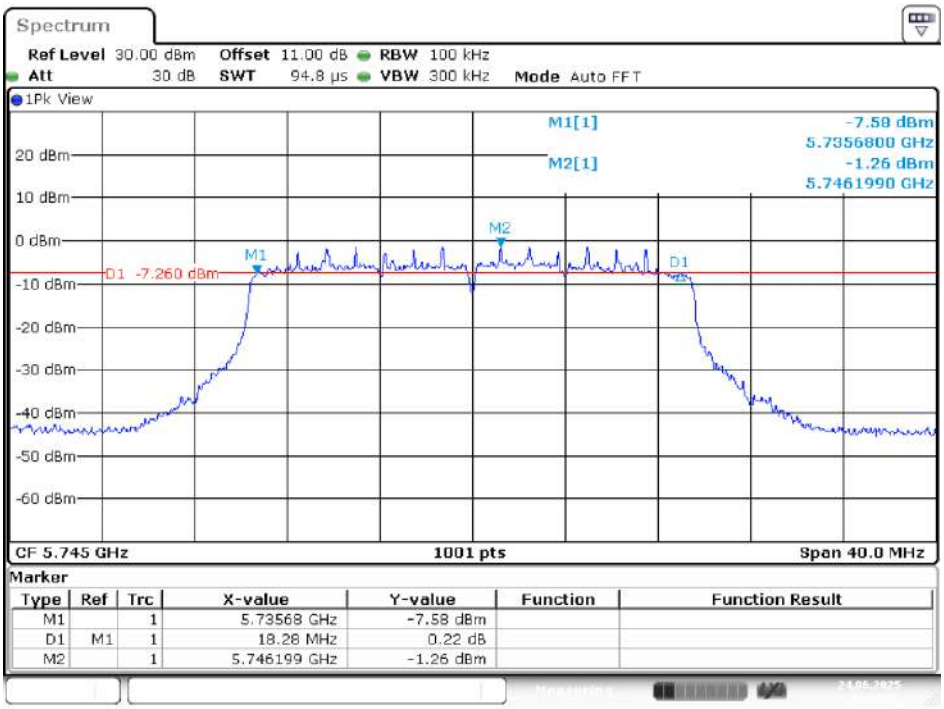
5775MHz



Date: 24.JUN.2025 17:09:58

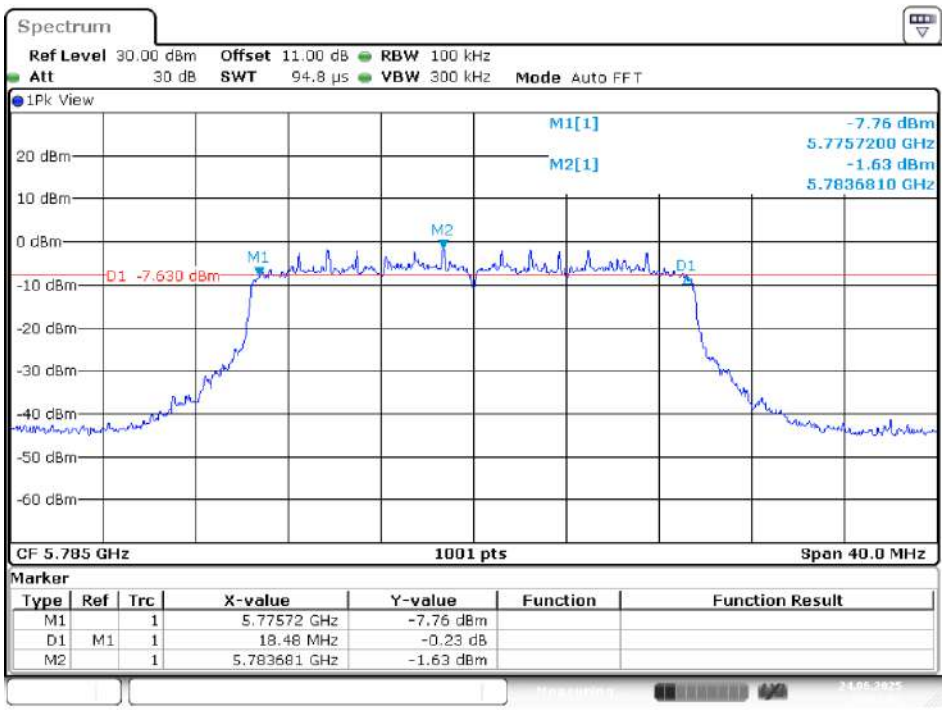
IEEE 802.11ax HE20 Mode/5725 ~ 5850MHz

5745MHz



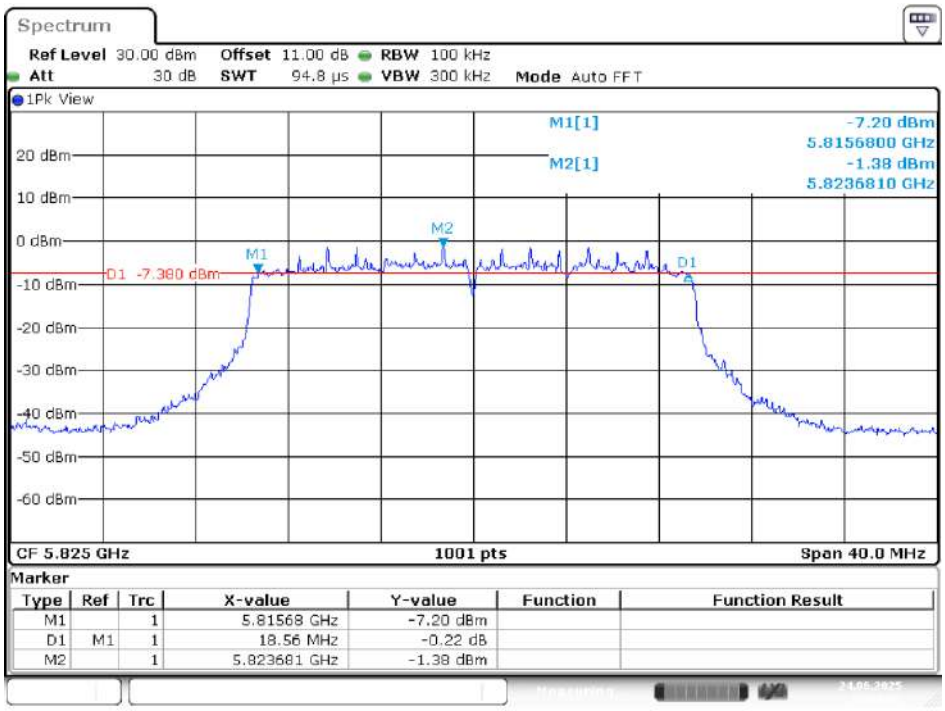
Date: 24.JUN.2025 17:19:37

5785MHz



Date: 24.JUN.2025 17:21:57

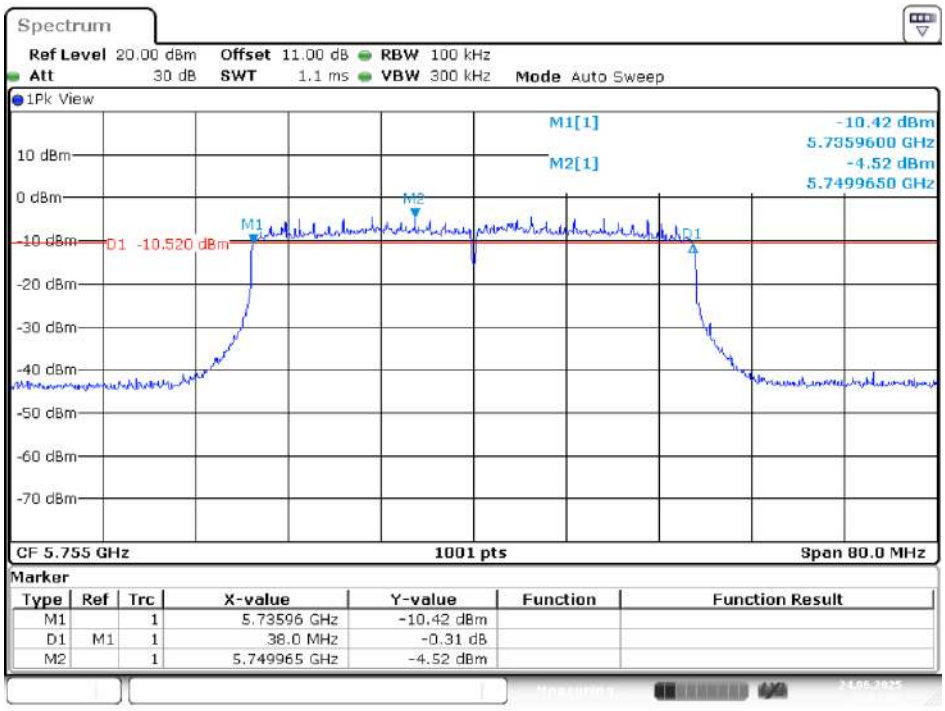
5825MHz



Date: 24.JUN.2025 17:24:27

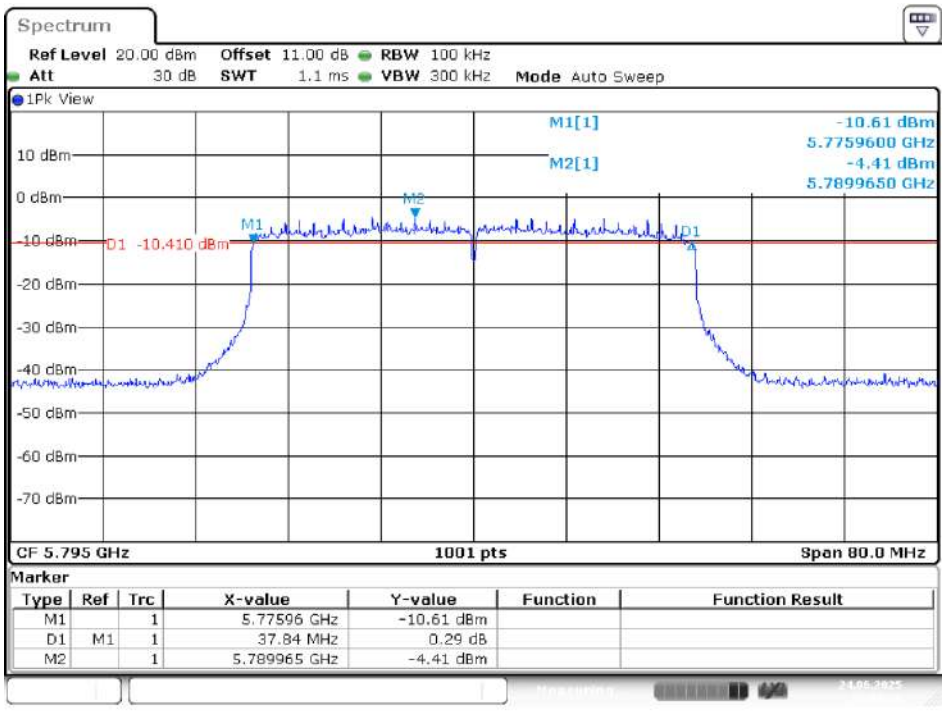
IEEE 802.11ax HE40 Mode/5725 ~ 5850MHz

5755MHz



Date: 24.JUN.2025 17:31:27

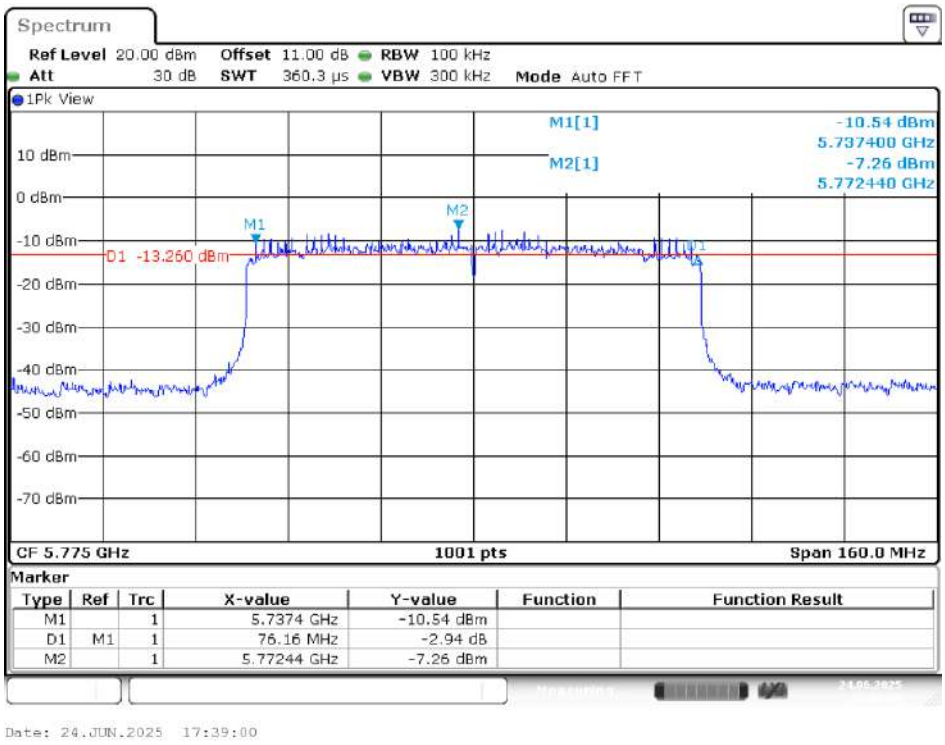
5795MHz



Date: 24.JUN.2025 17:34:16

IEEE 802.11ax HE80 Mode/5725 ~ 5850MHz

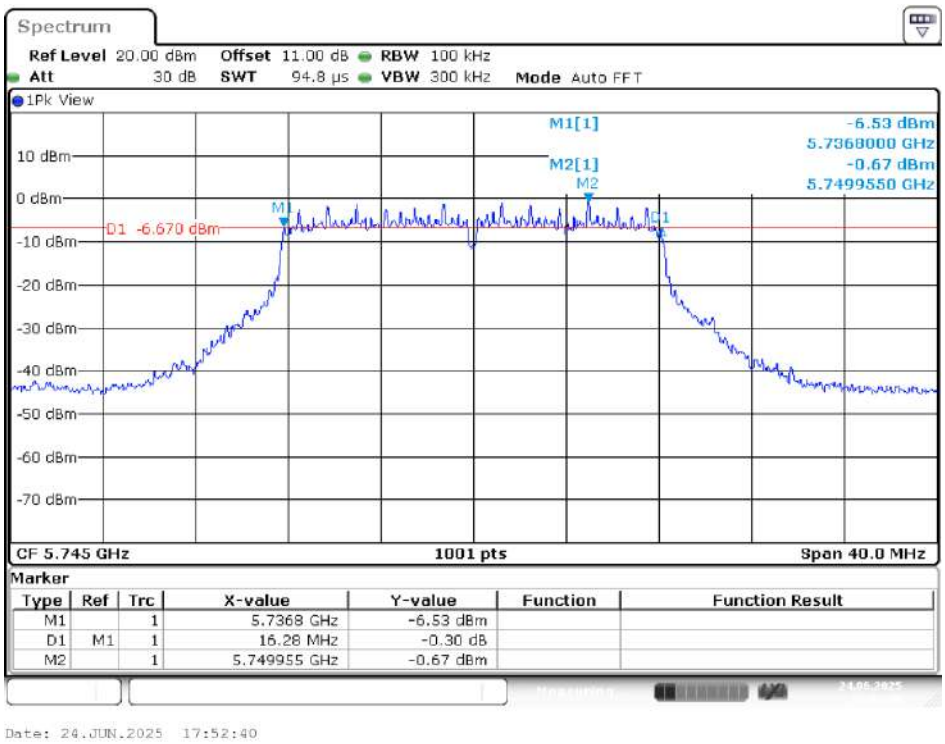
5775MHz



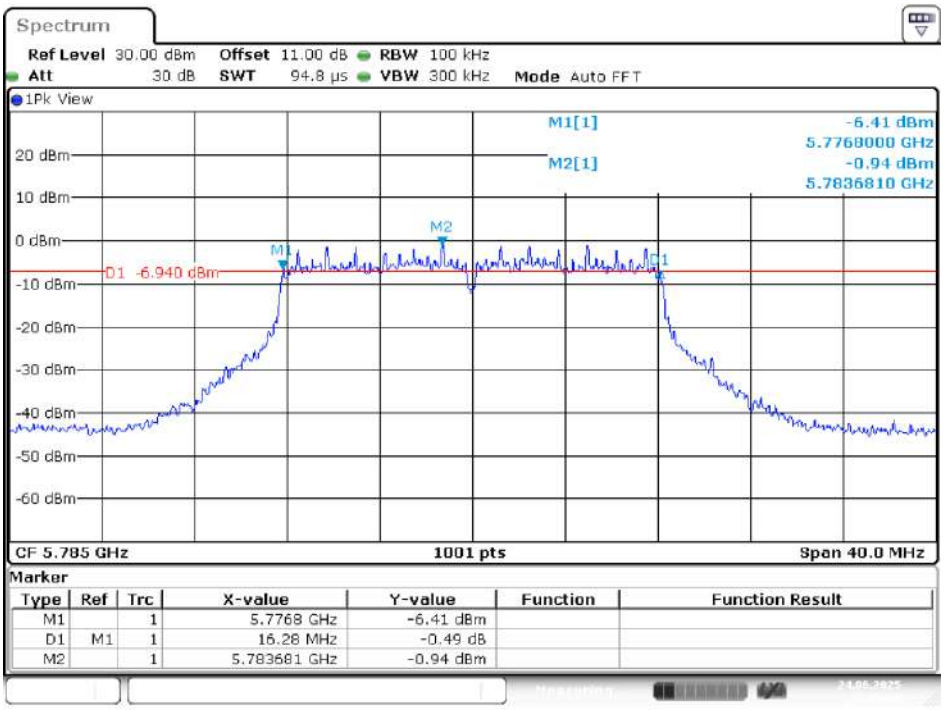
(Chain 1)

IEEE 802.11a Mode/5725 ~ 5850MHz

5745MHz

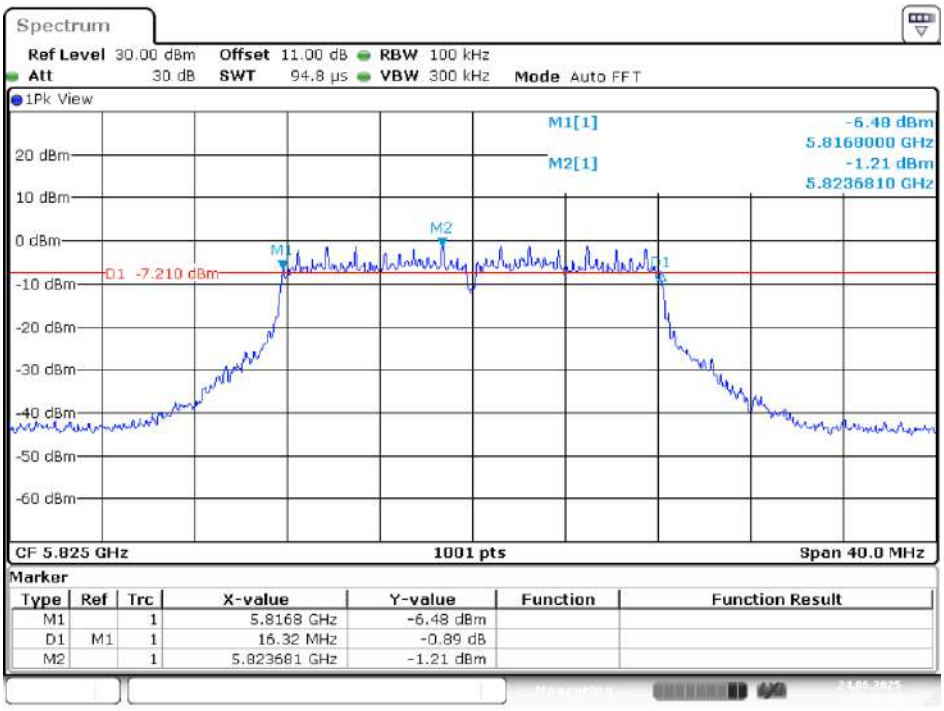


5785MHz



Date: 24.JUN.2025 17:55:51

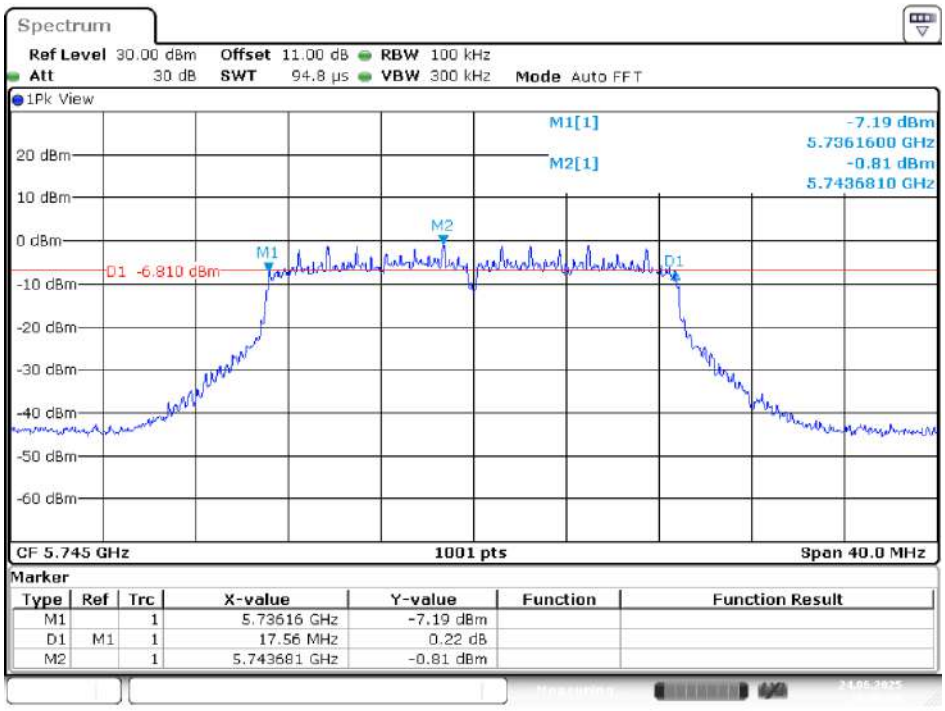
5825MHz



Date: 24.JUN.2025 17:58:04

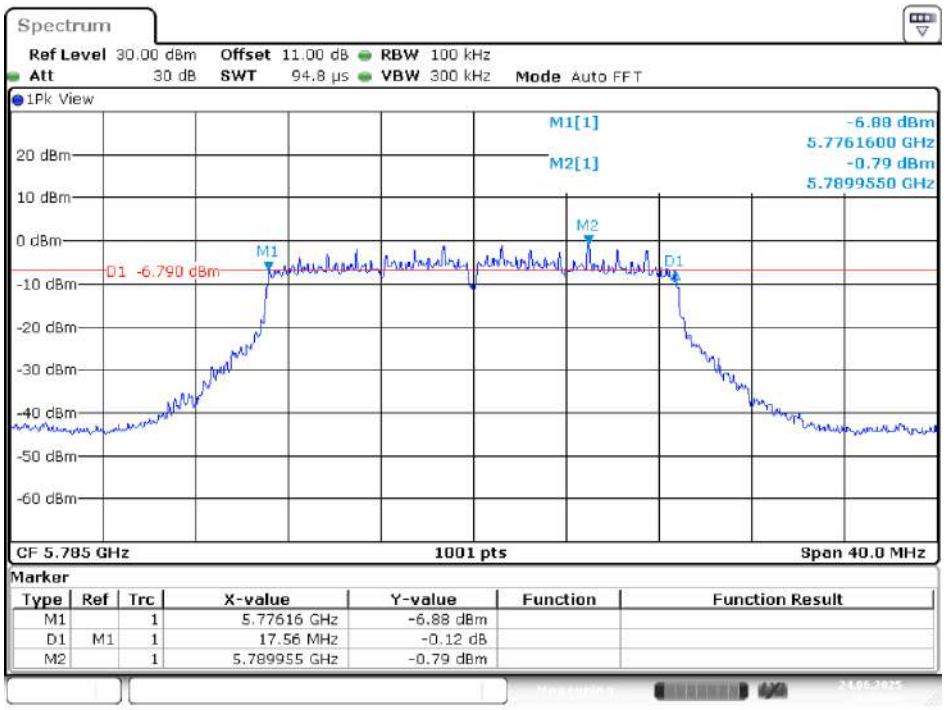
IEEE 802.11ac VHT20 Mode/5725 ~ 5850MHz

5745MHz



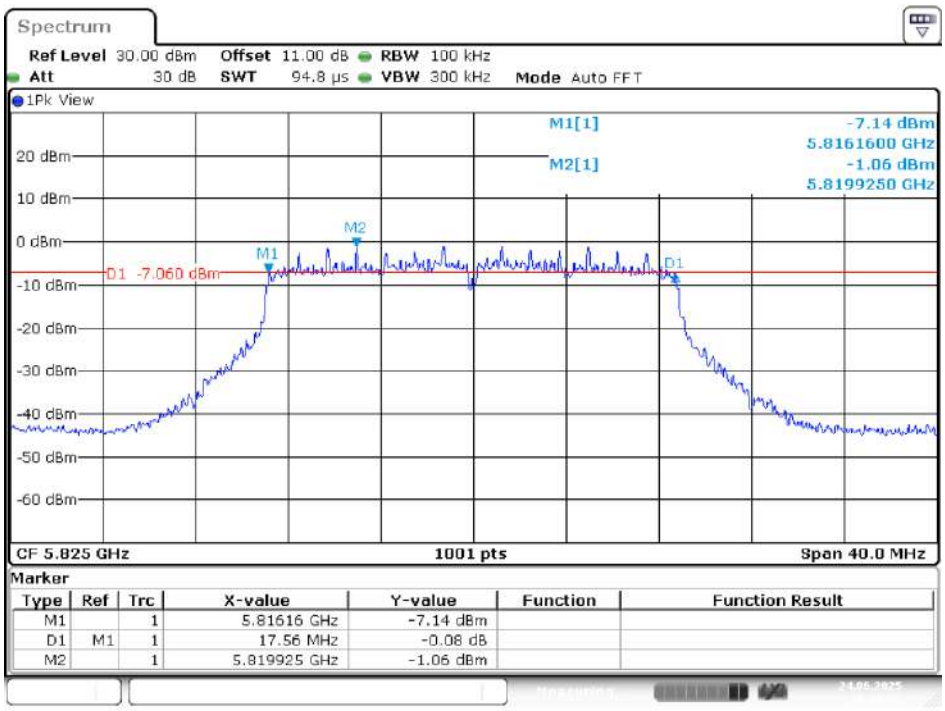
Date: 24.JUN.2025 18:06:29

5785MHz



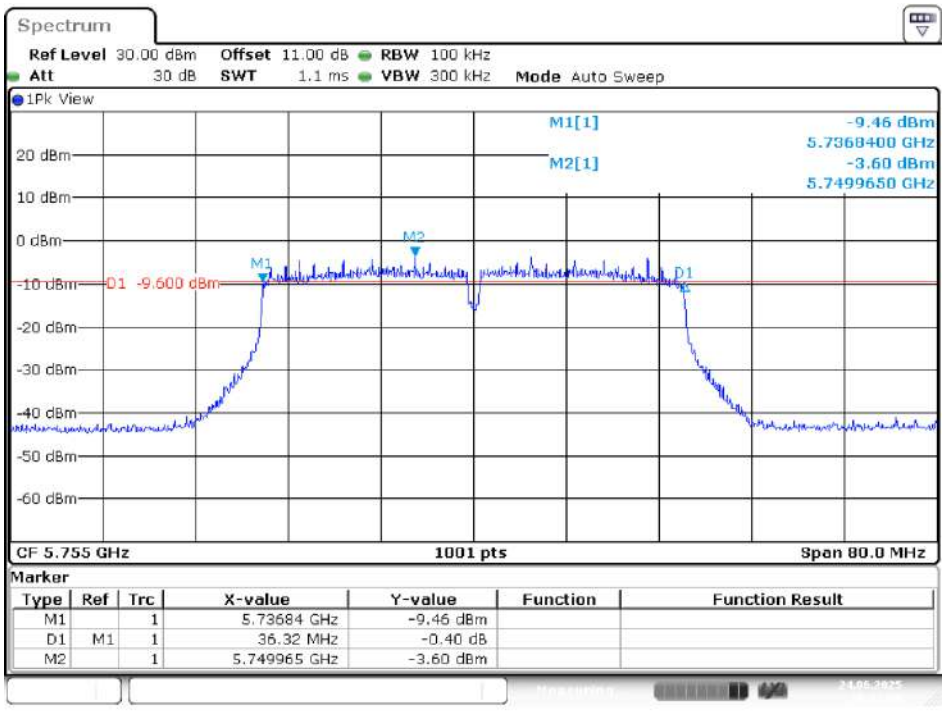
Date: 24.JUN.2025 18:08:29

5825MHz

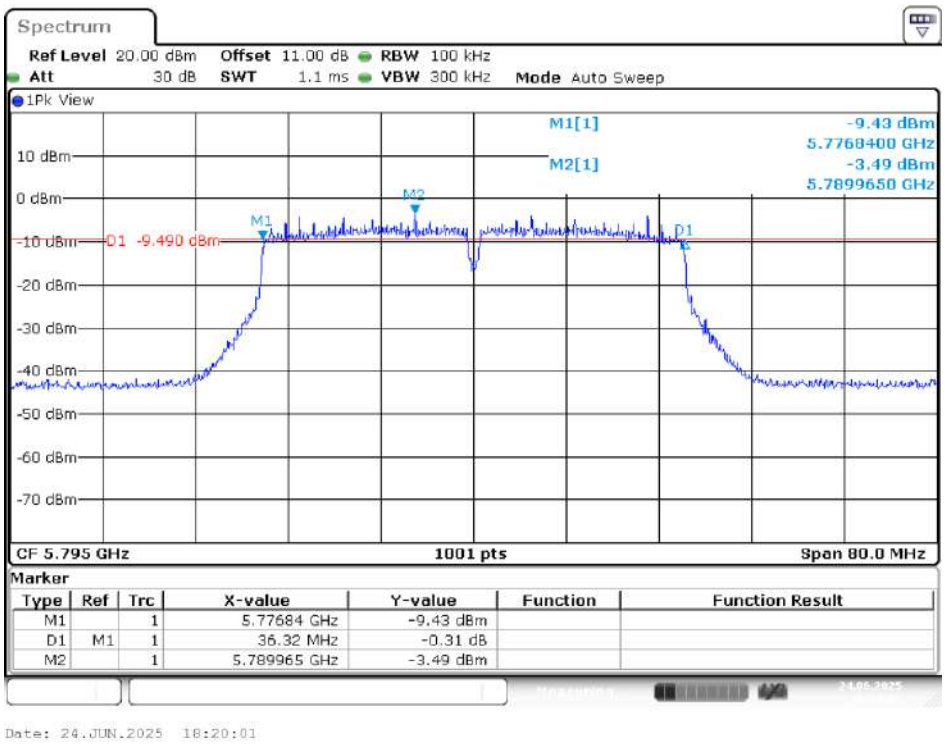


IEEE 802.11ac VHT40 Mode/5725~ 5850MHz

5755MHz



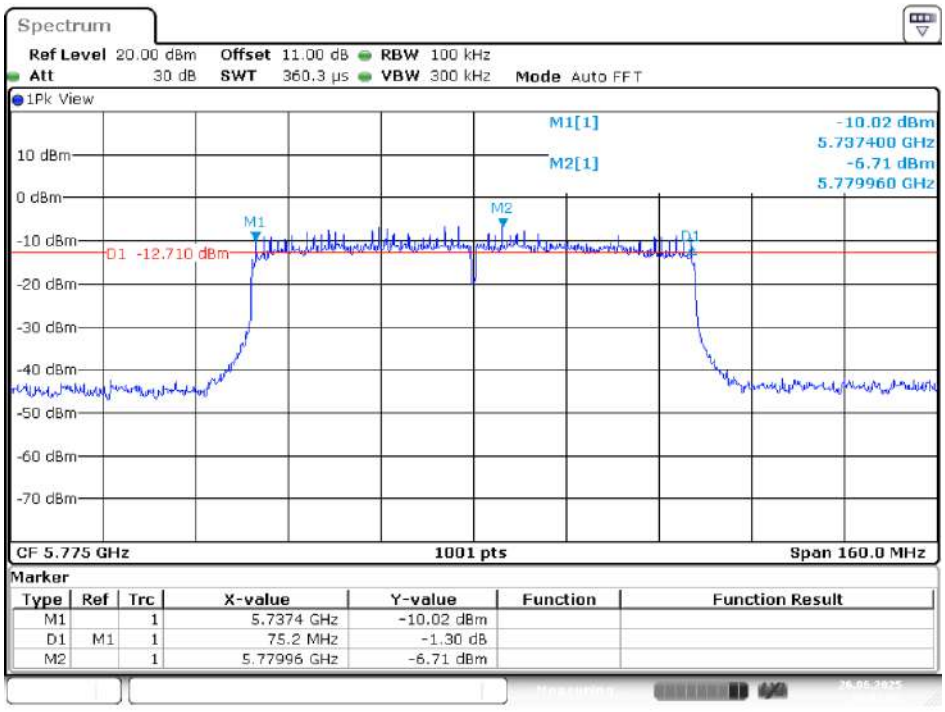
5795MHz



Date: 24.JUN.2025 18:20:01

IEEE 802.11ac VHT80 Mode/5725~ 5850MHz

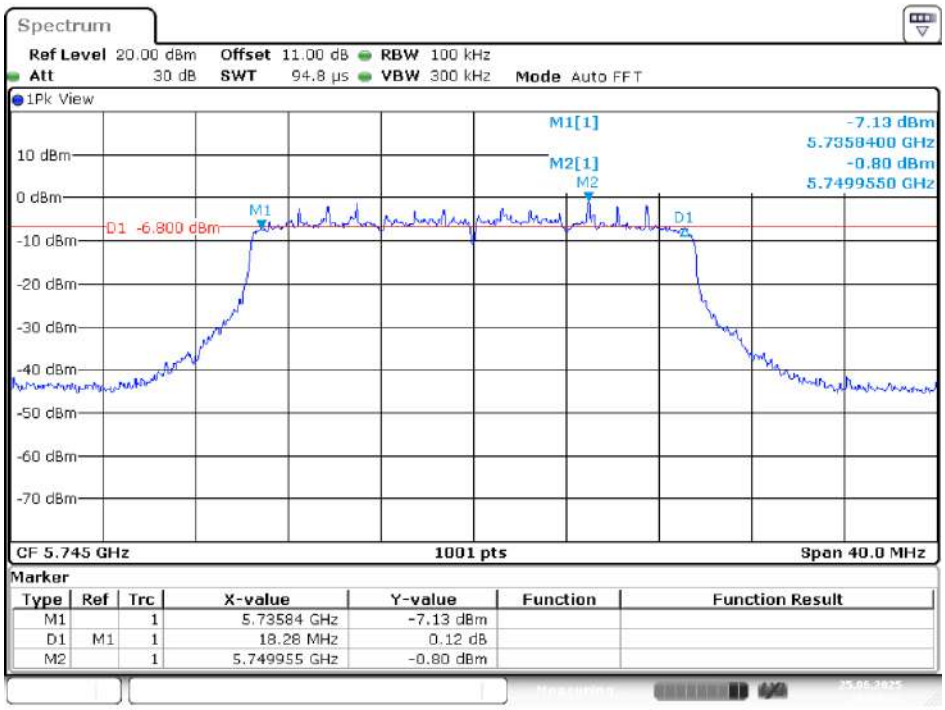
5775MHz



Date: 26.JUN.2025 12:07:23

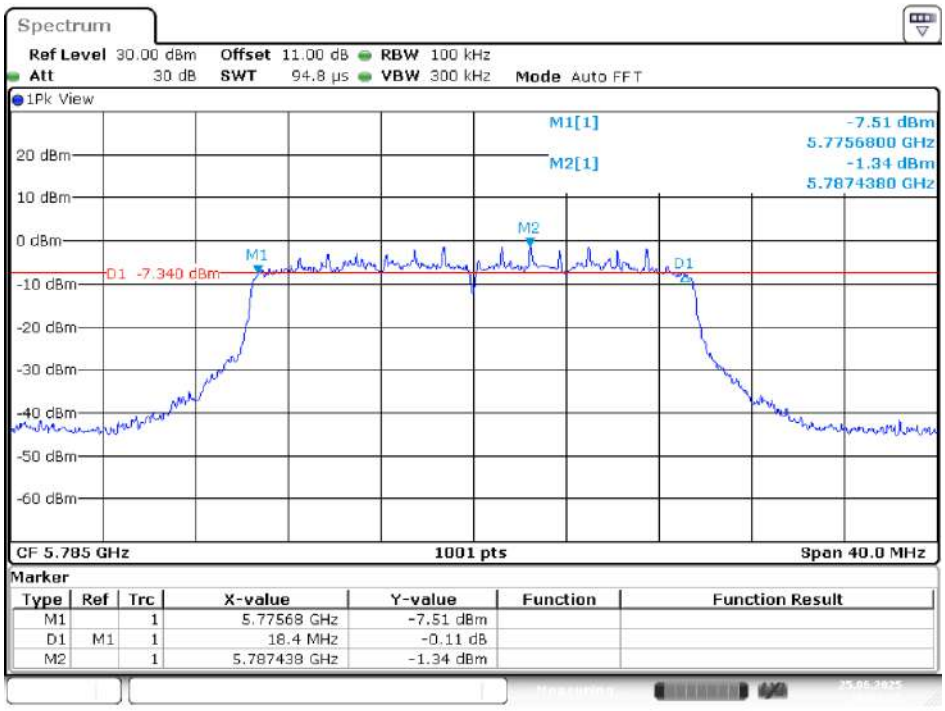
IEEE 802.11ax HE20 Mode/5725 ~ 5850MHz

5745MHz



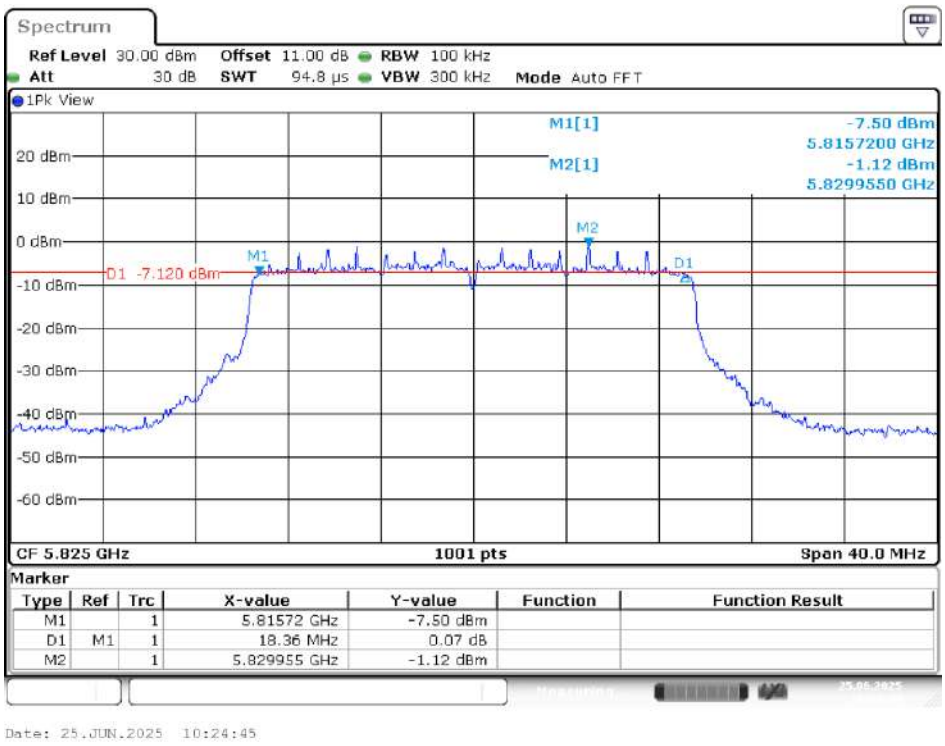
Date: 25.JUN.2025 10:20:13

5785MHz



Date: 25.JUN.2025 10:22:16

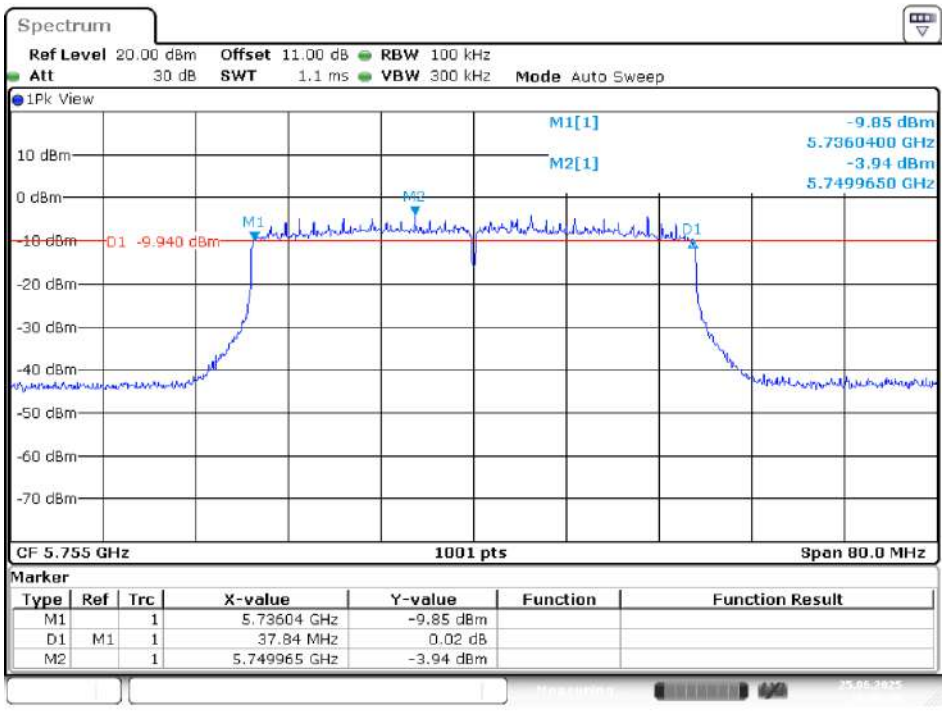
5825MHz



Date: 25.JUN.2025 10:24:45

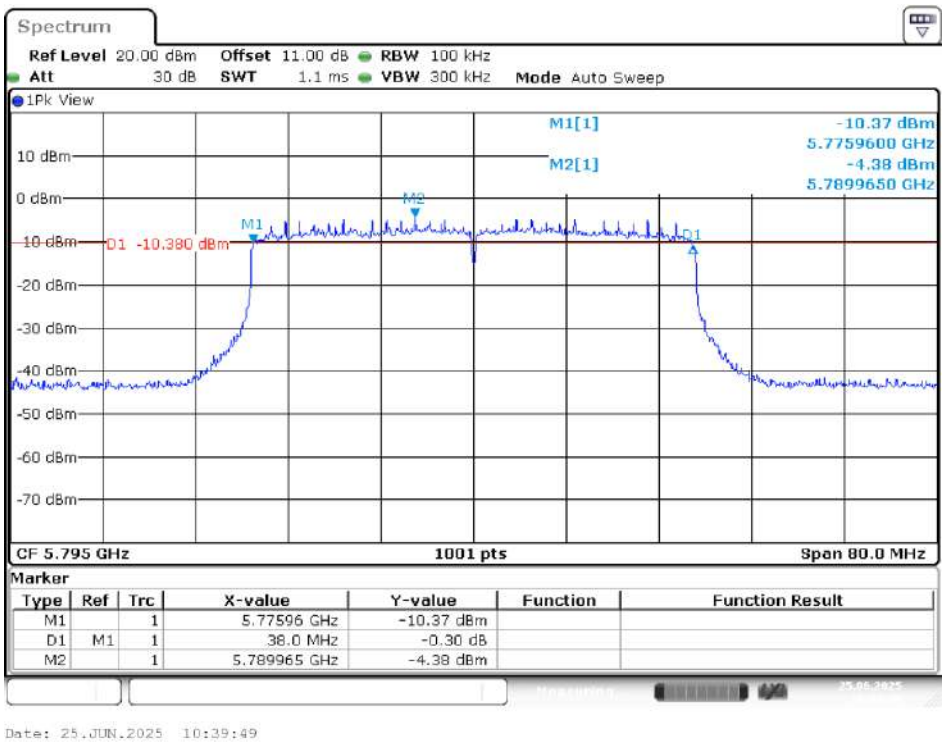
IEEE 802.11ax HE40 Mode/5725 ~ 5850MHz

5755MHz



Date: 25.JUN.2025 10:36:49

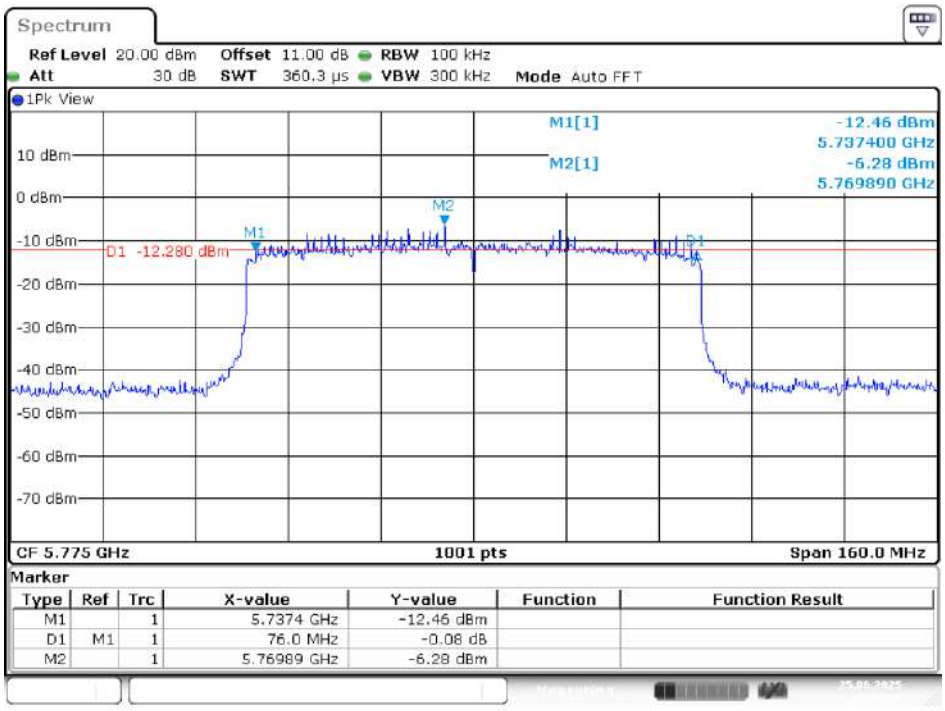
5795MHz



Date: 25.JUN.2025 10:39:49

IEEE 802.11ax HE80 Mode /5725~ 5850MHz

5775MHz



Date: 25.JUN.2025 10:49:18

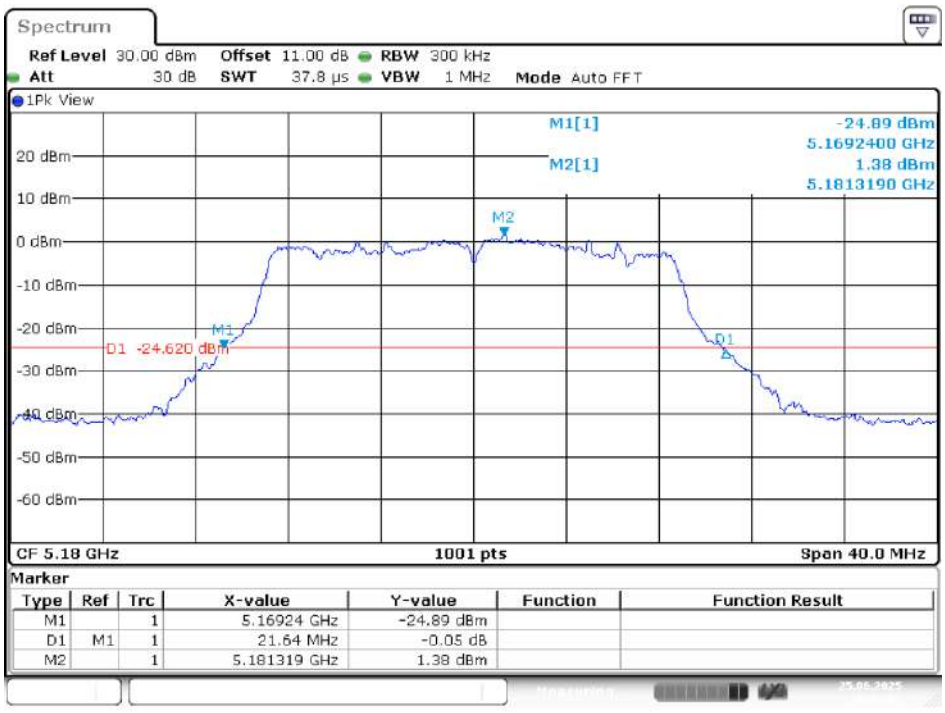
UNII-1 Band I / BW26dBc

Beamforming

(Chain 0)

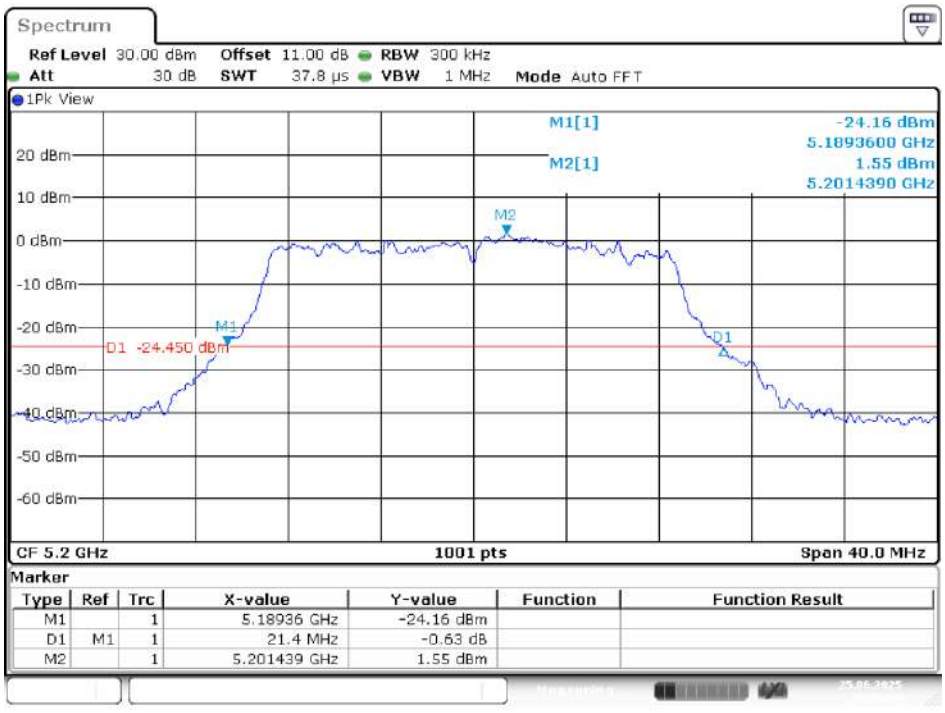
IEEE 802.11 ac VHT20 Mode/5150 ~ 5250MHz

5180MH



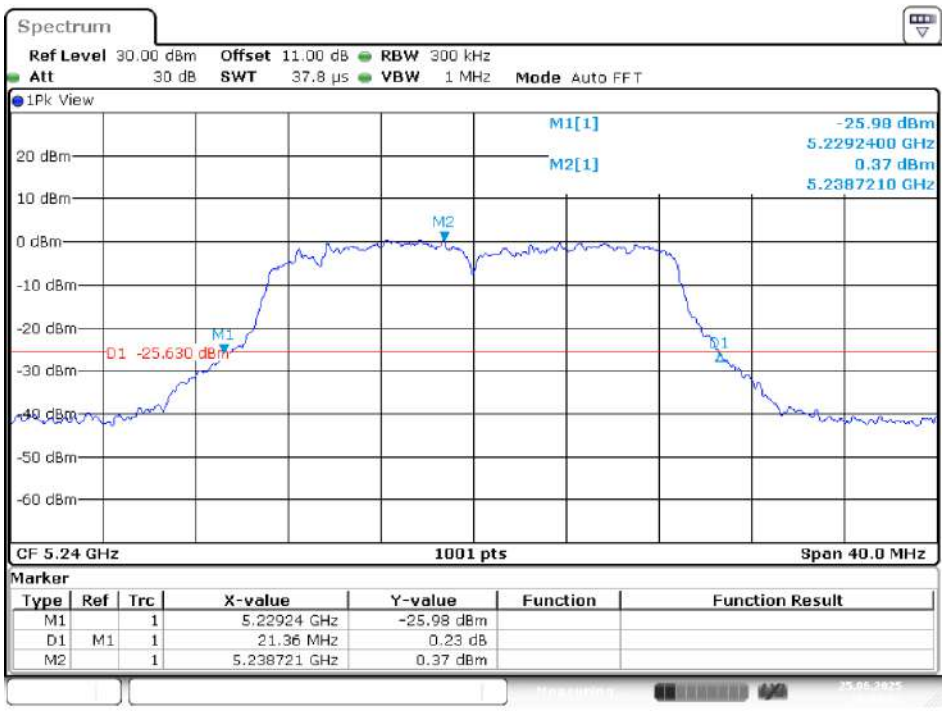
Date: 25.JUN.2025 16:41:58

5200MHz



Date: 25.JUN.2025 16:55:25

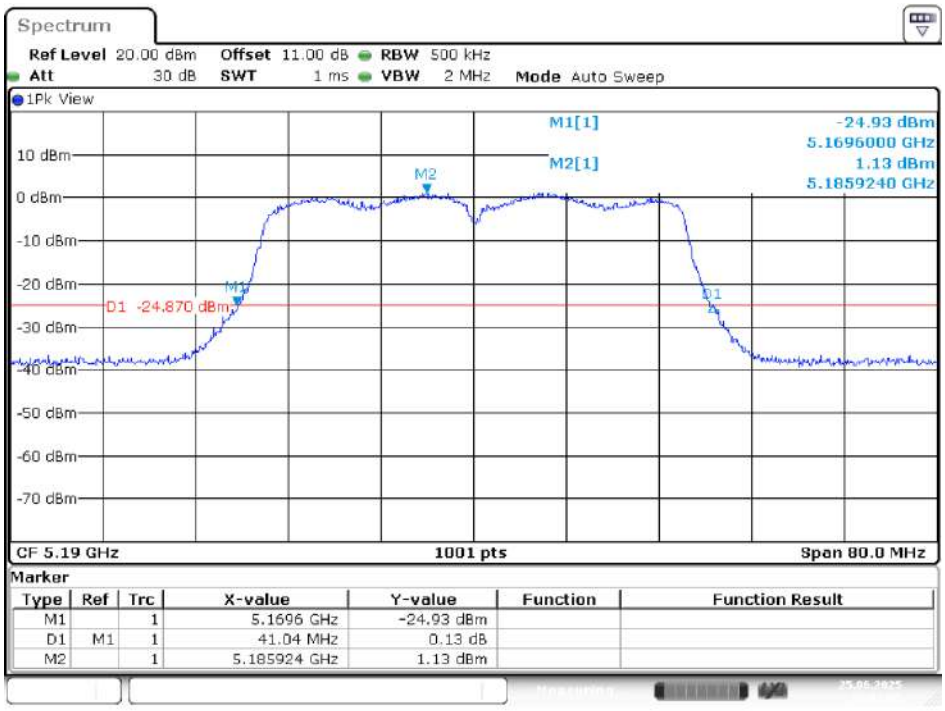
5240MHz



Date: 25.JUN.2025 16:58:54

IEEE 802.11ac VHT40 Mode/5150 ~ 5250MHz

5190MHz



Date: 25.JUN.2025 17:07:35