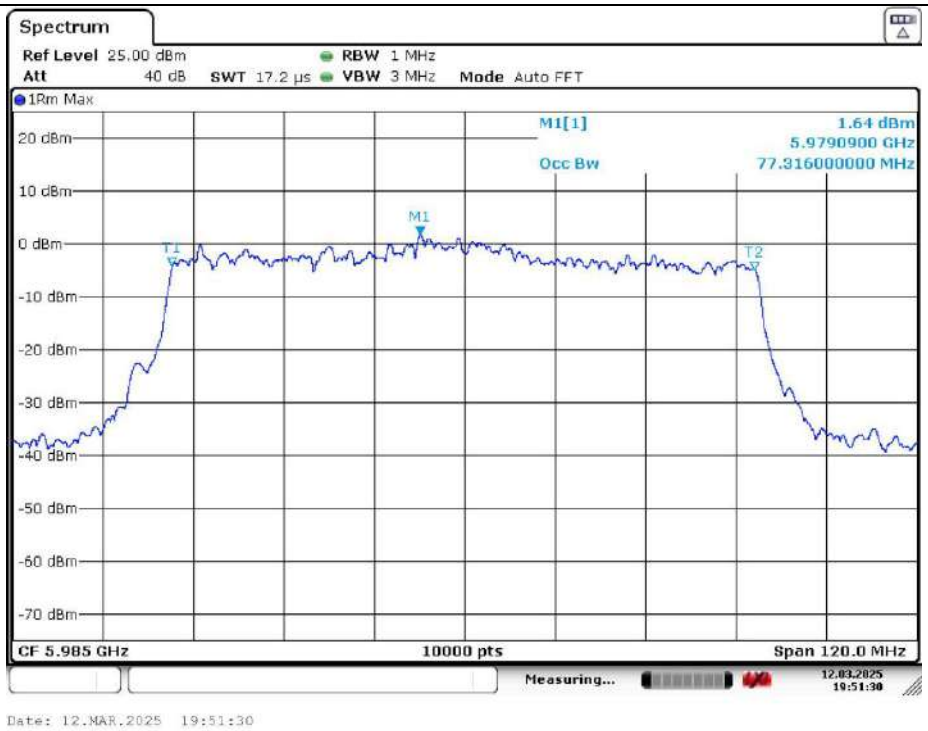
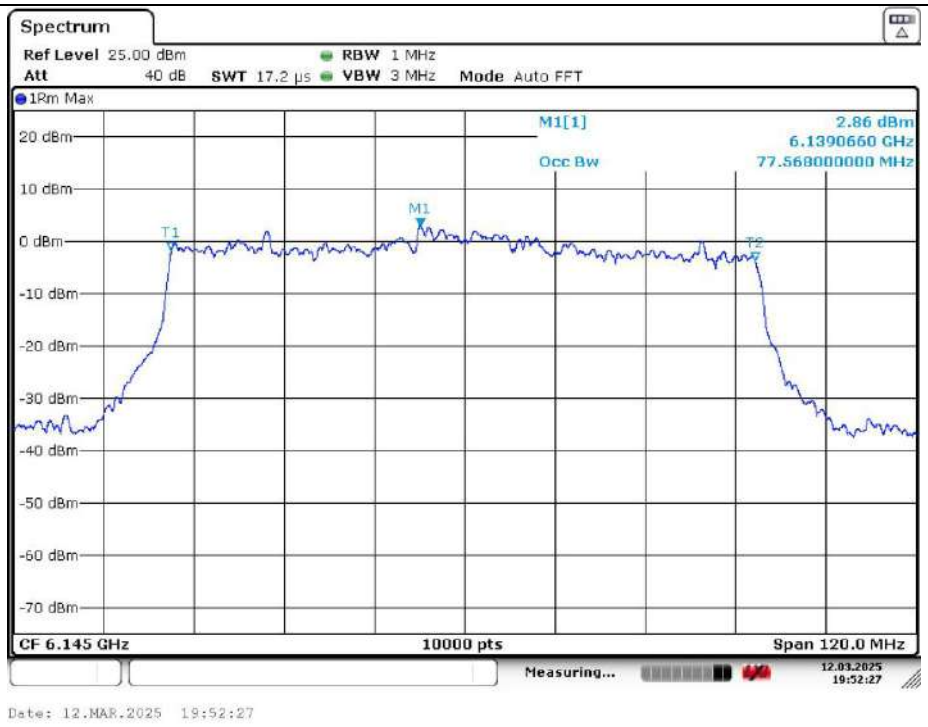
99% BW 802.11be80

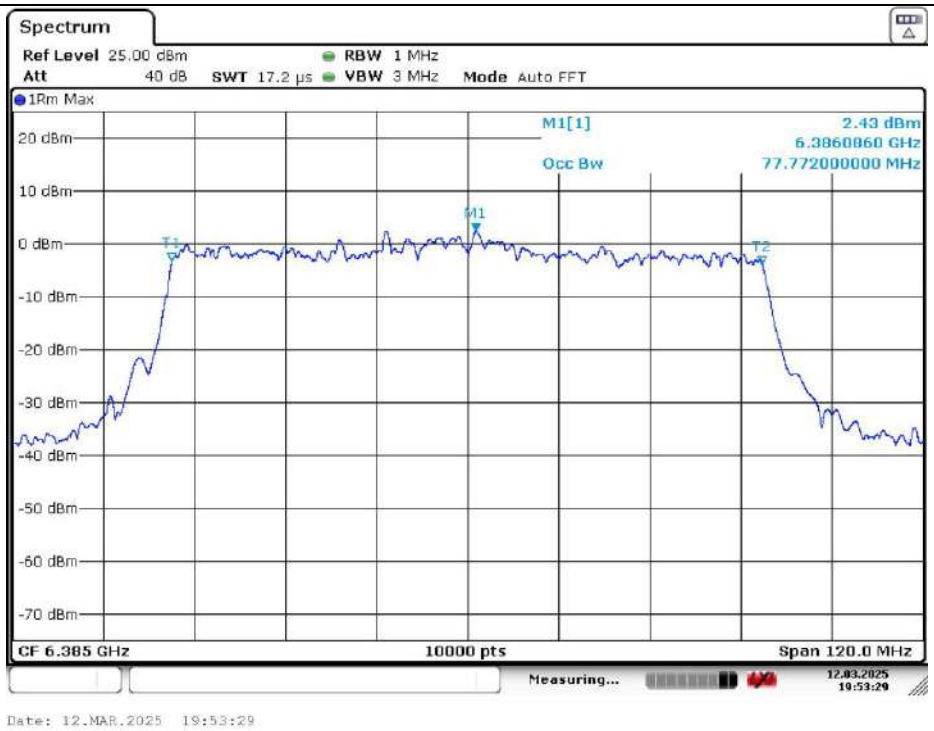
Channel 7: 5985MHz



Channel 39: 6145MHz

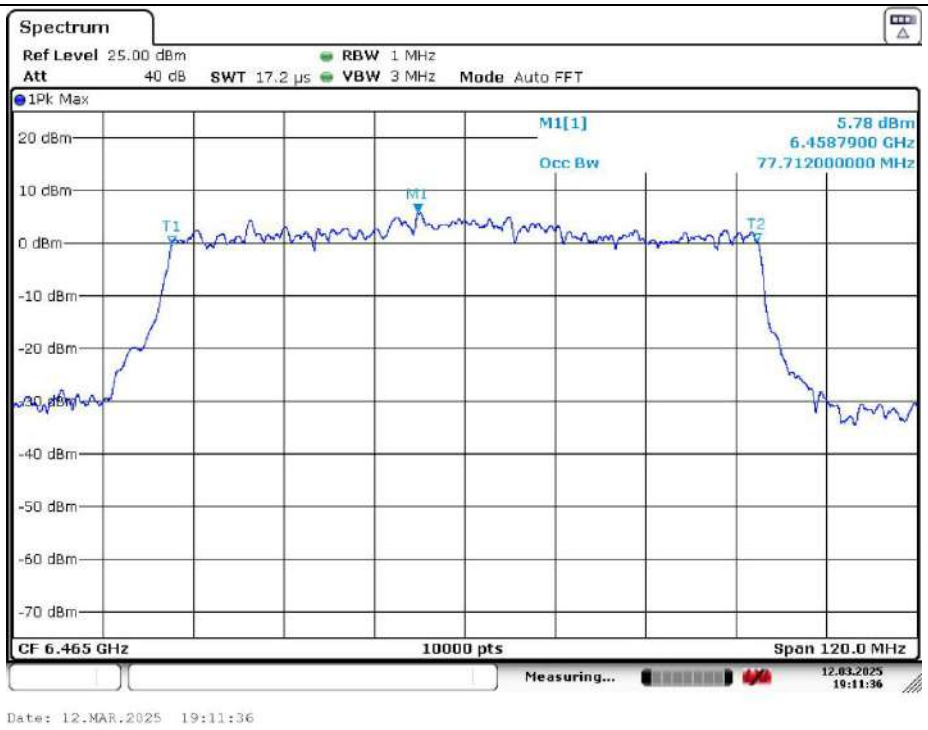


Channel 87: 6385MHz

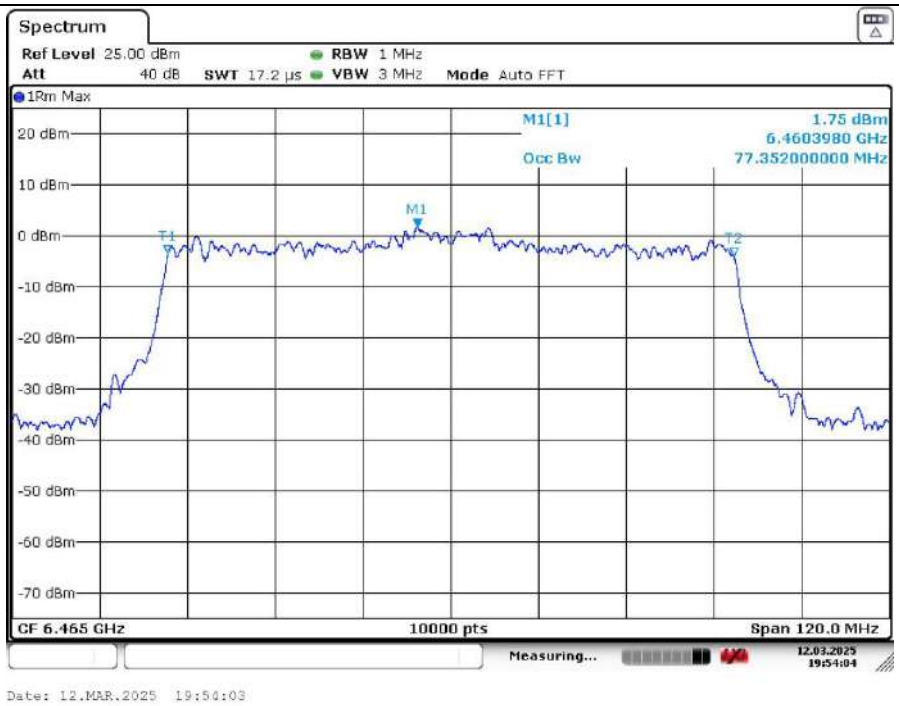


99% BW 802.11ax80

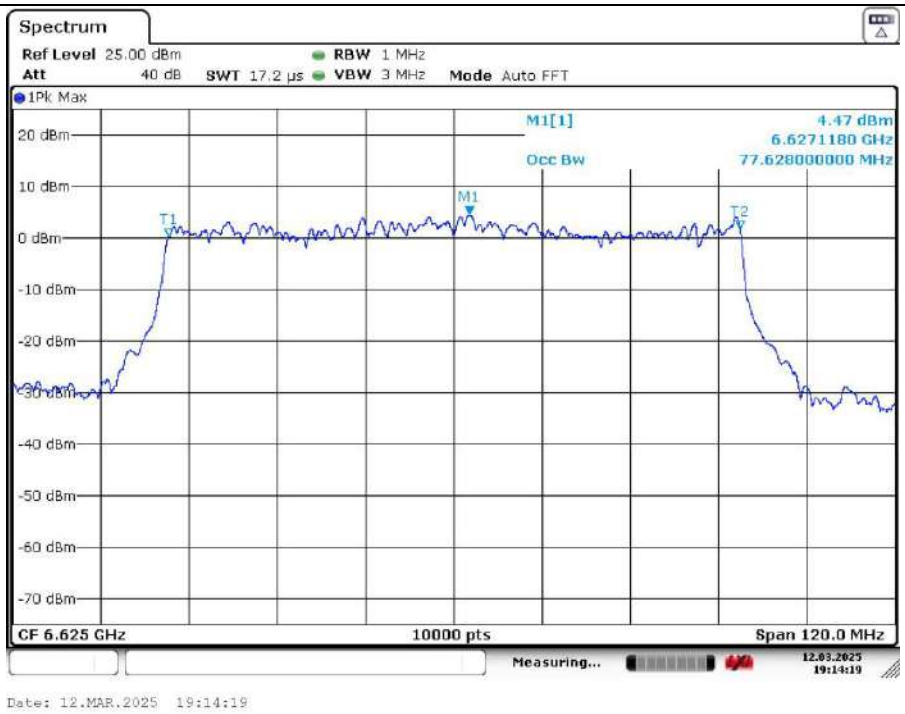
Channel 103: 6465MHz



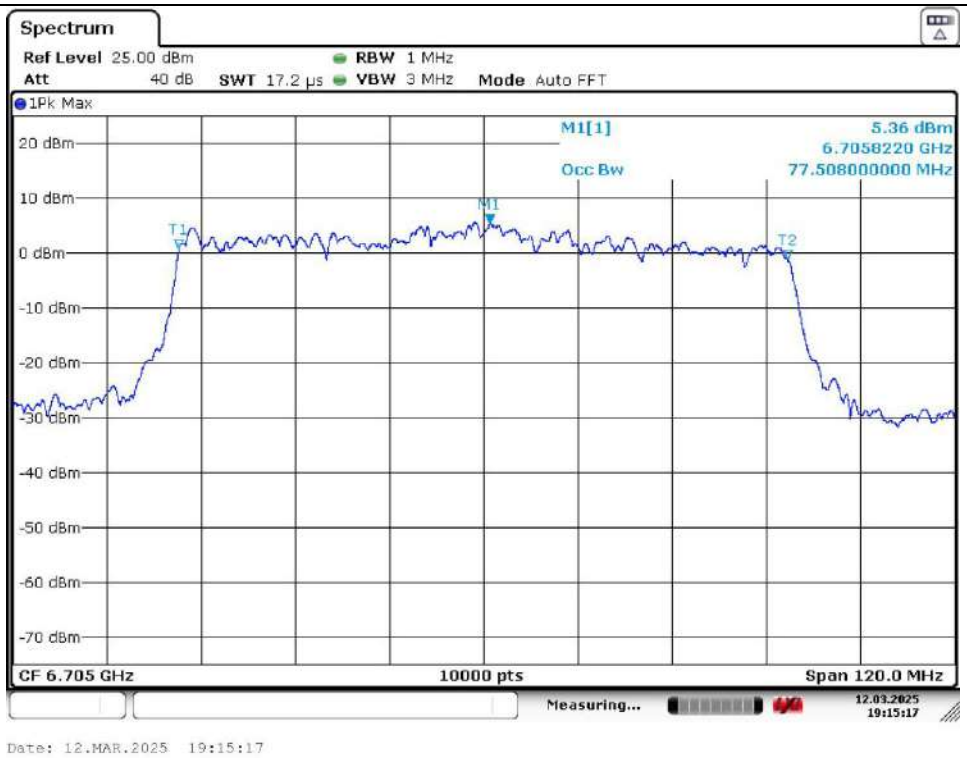
99% BW 802.11be80
Channel 103: 6465MHz



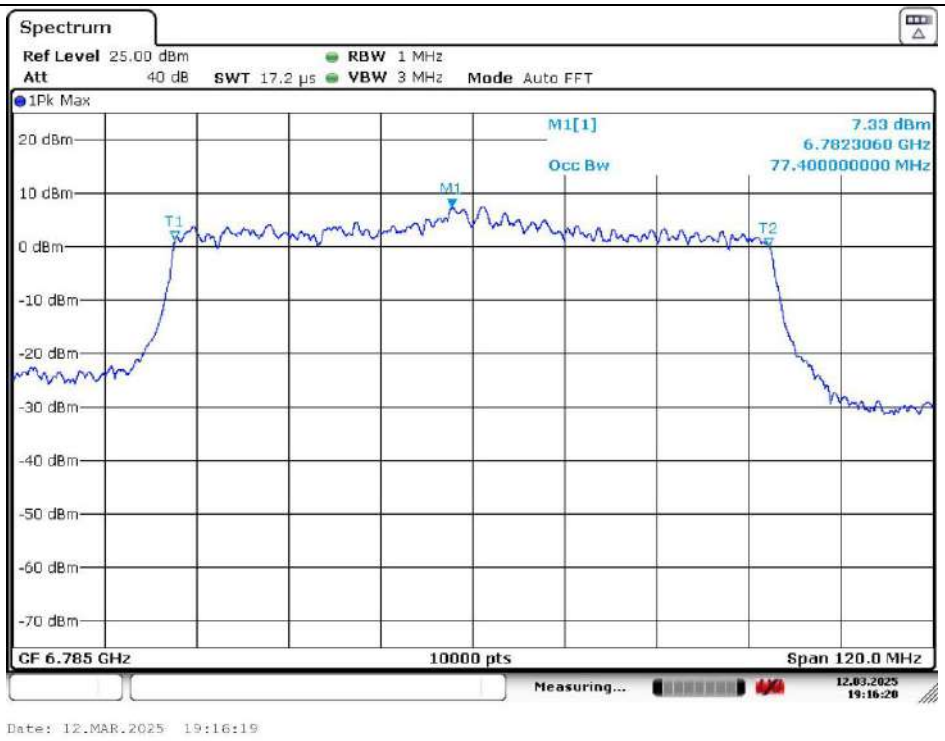
99% BW 802.11ax80
Channel 135: 6625MHz



Channel 151: 6705MHz



Channel 167: 6785MHz



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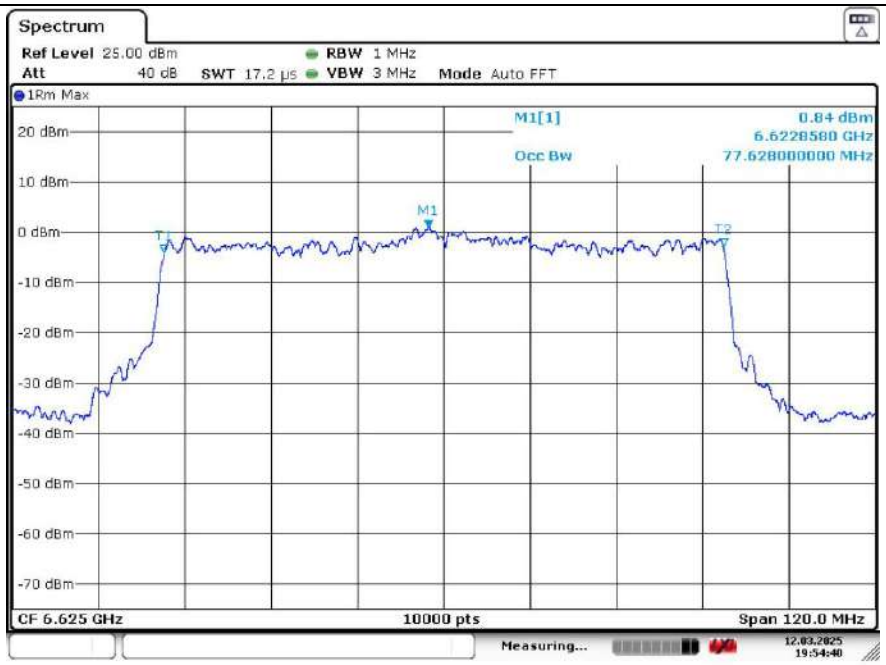
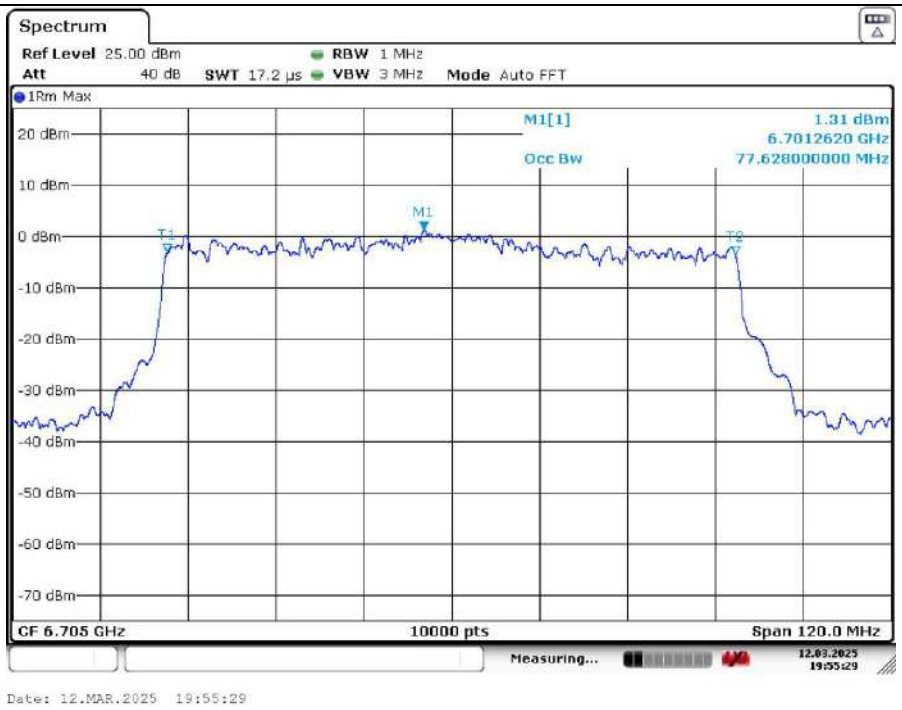
99% BW 802.11be80

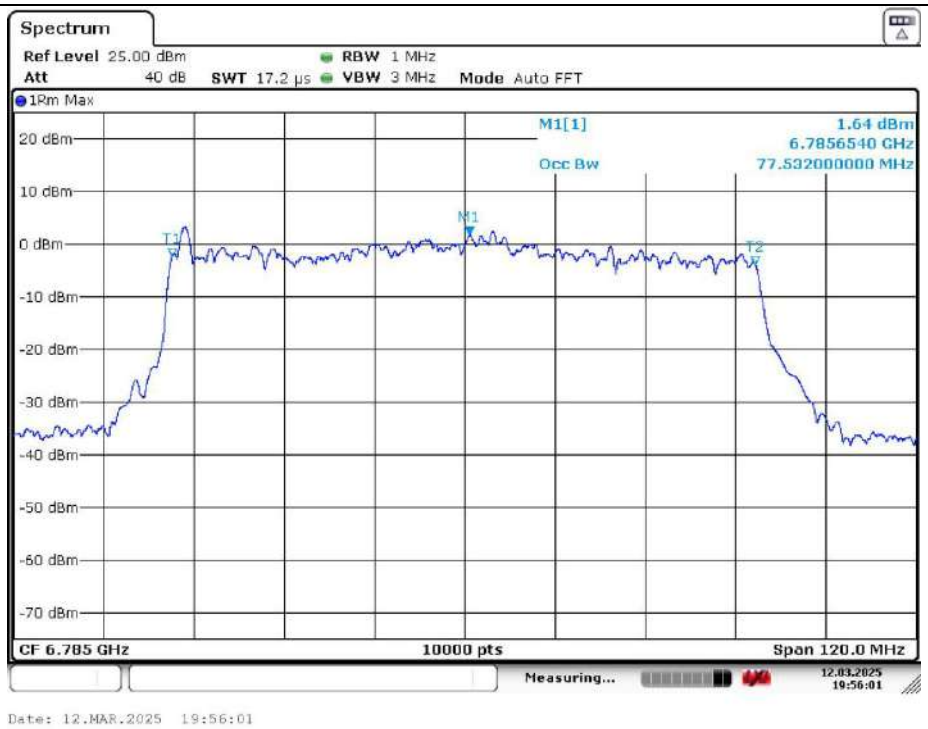
Channel 135: 6625MHz



Channel 151: 6705MHz

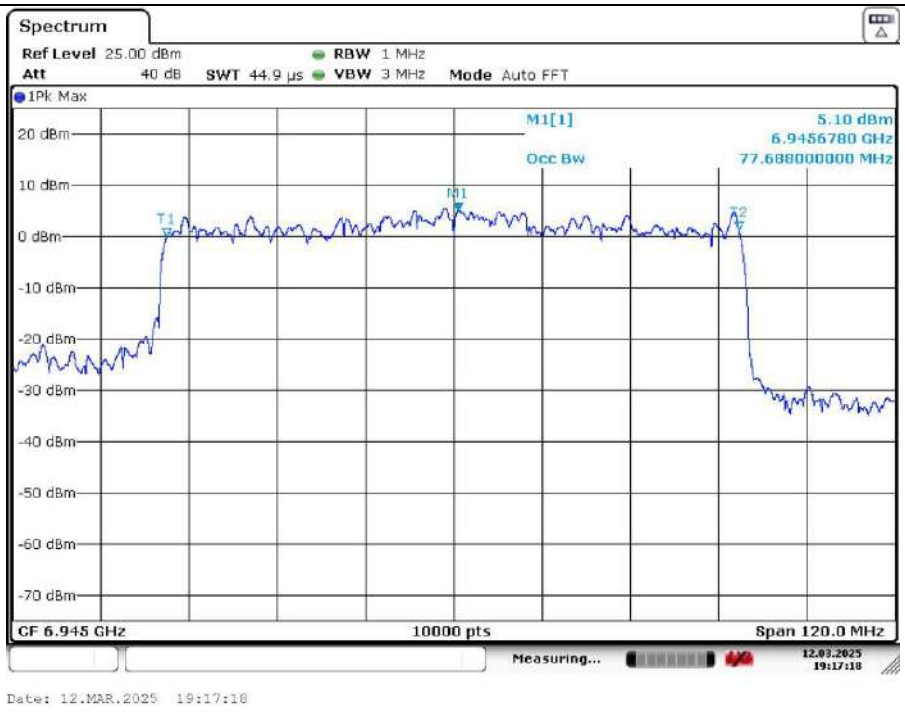


Channel 167: 6785MHz

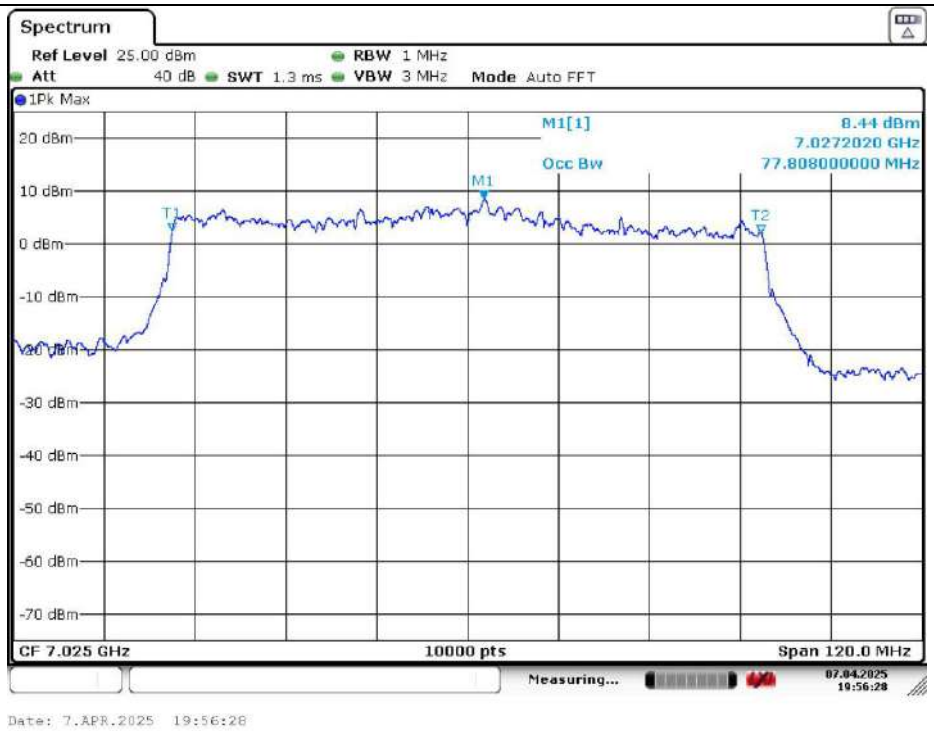


99% BW 802.11ax80

Channel 199: 6945MHz

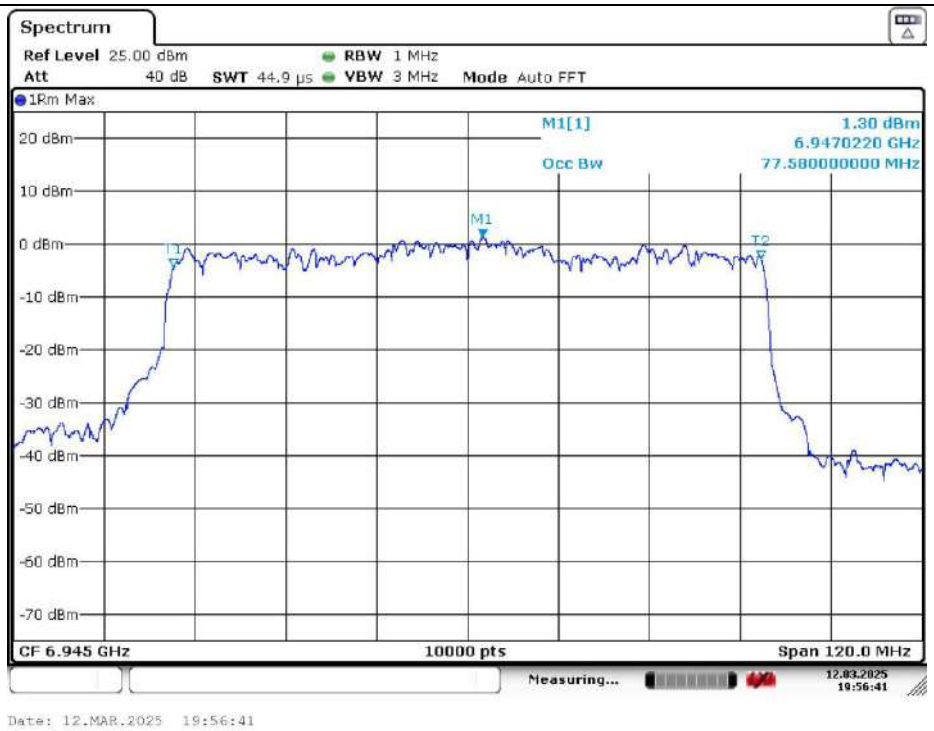


Channel 215: 7025MHz

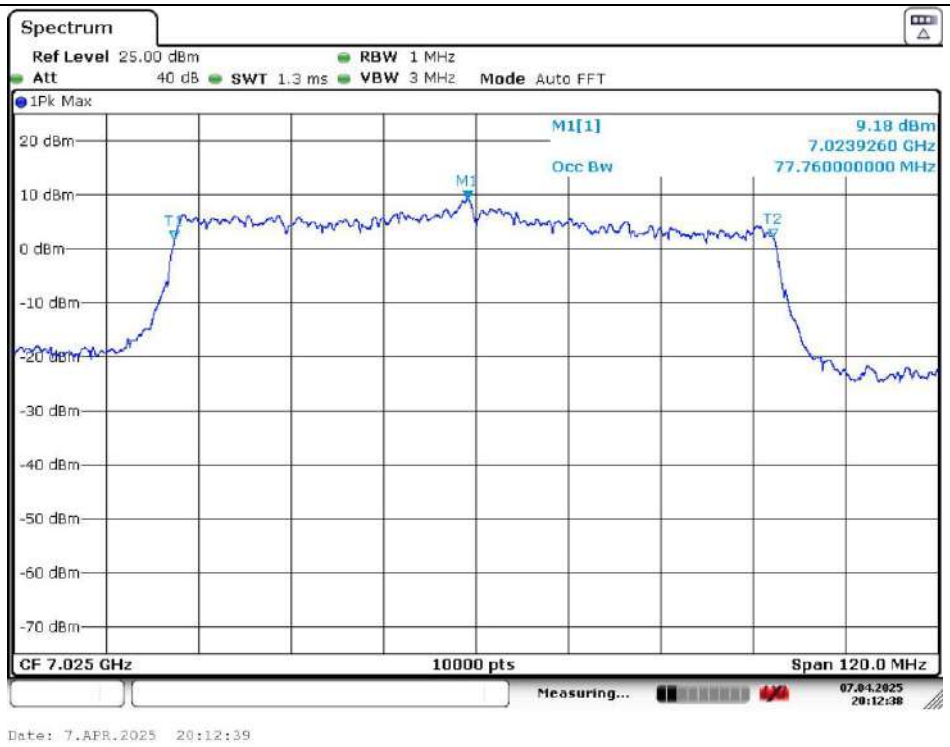


99% BW 802.11be80

Channel 199: 6945MHz

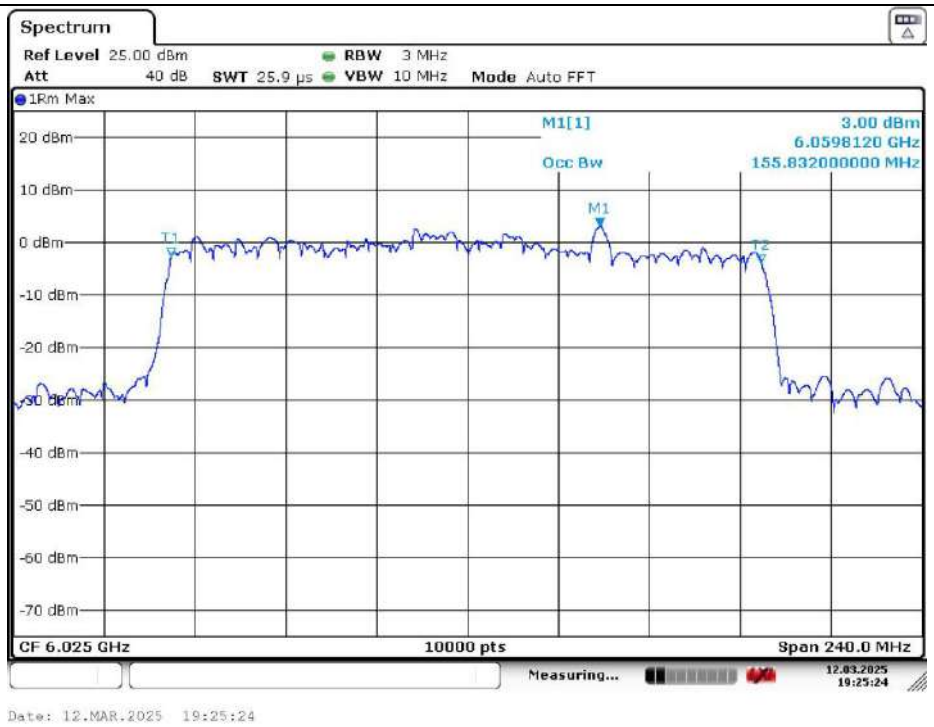


Channel 215: 7025MHz

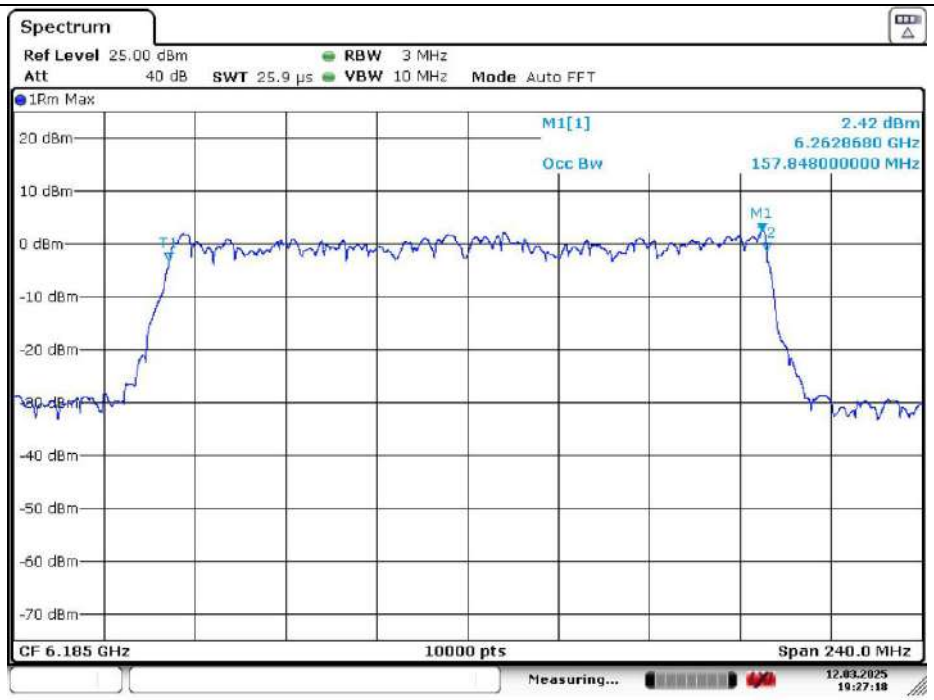


99% BW 802.11ax160

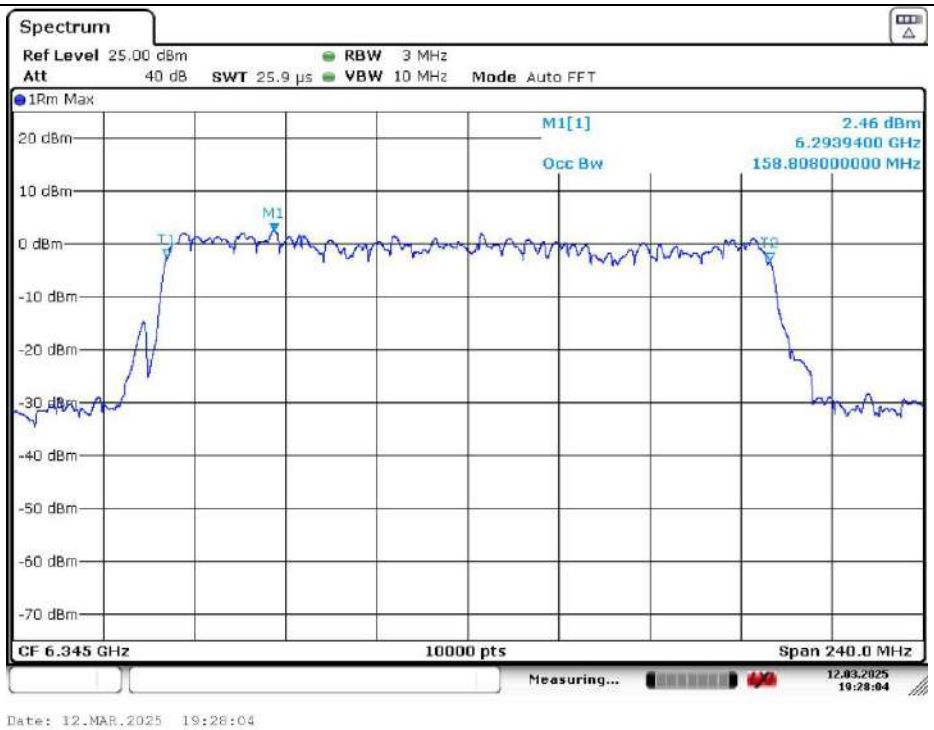
Channel 15: 6025MHz



Channel 47: 6185MHz

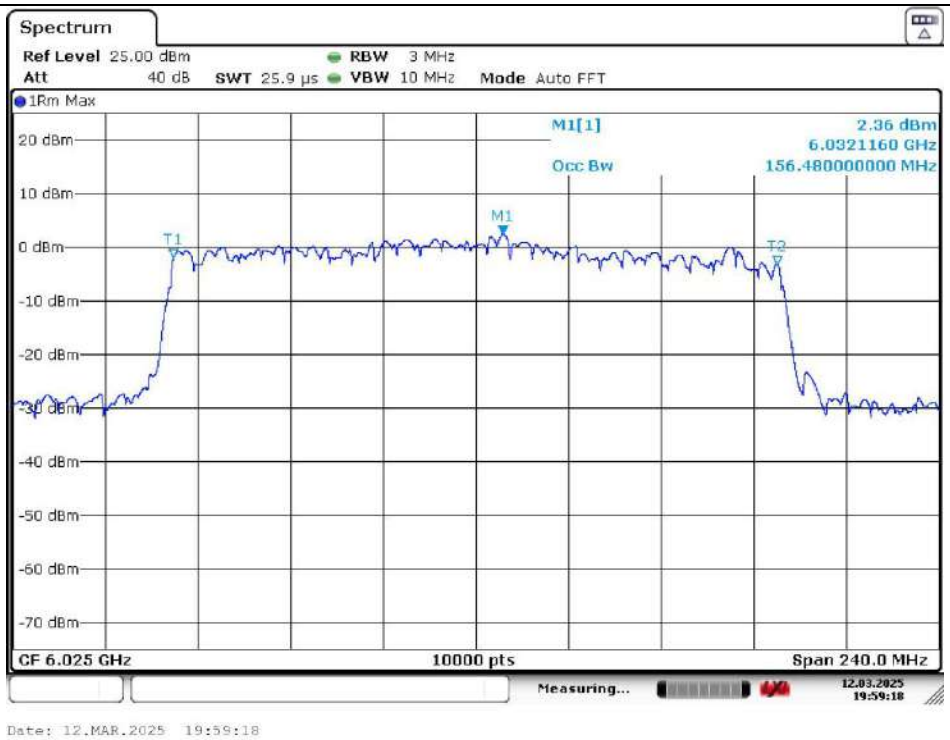


Channel 79: 6345MHz

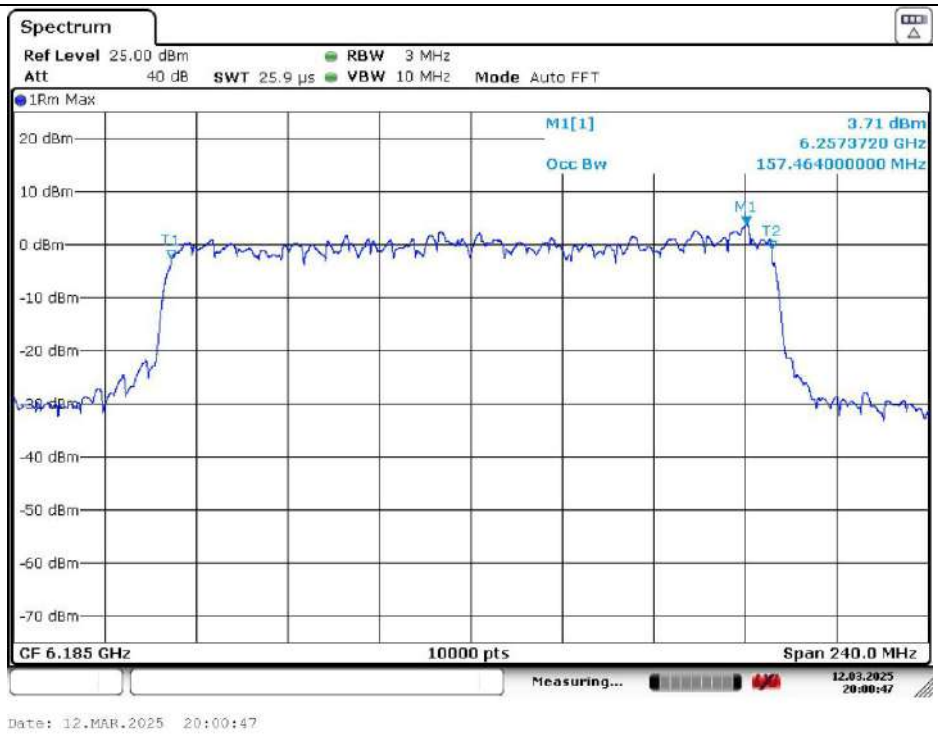


99% BW 802.11be160

Channel 15: 6025MHz



Channel 47: 6185MHz



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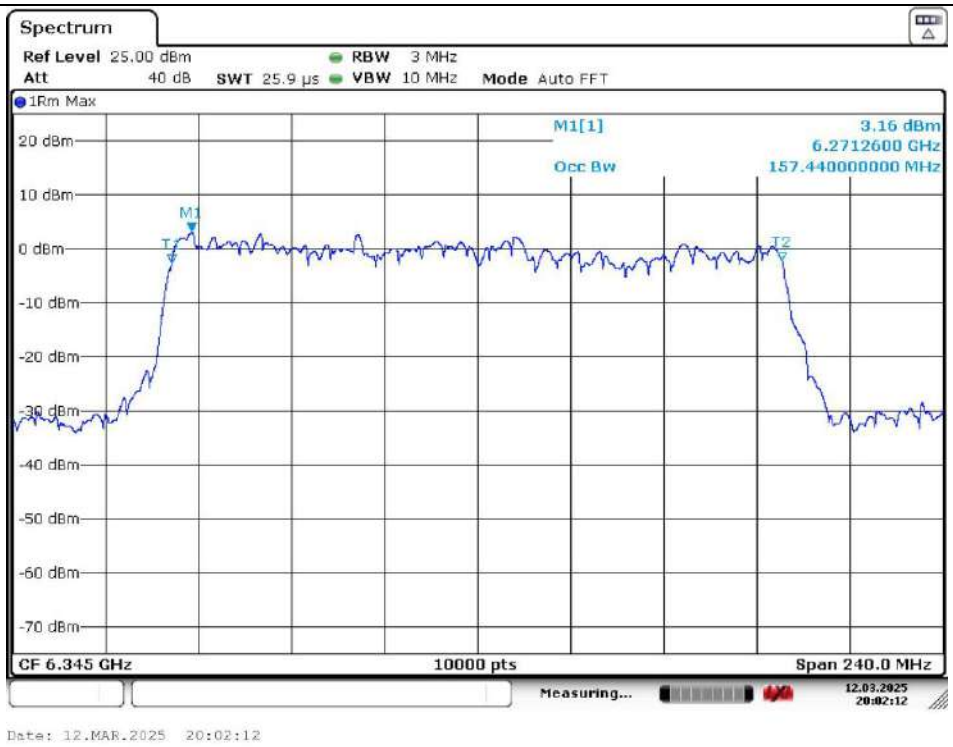
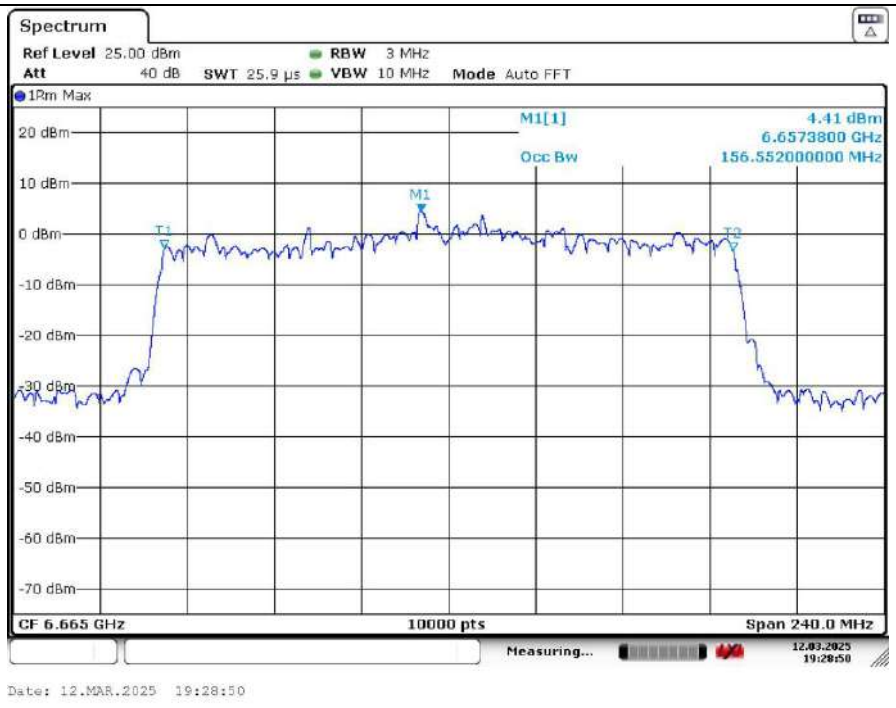
Channel 79: 6345MHz

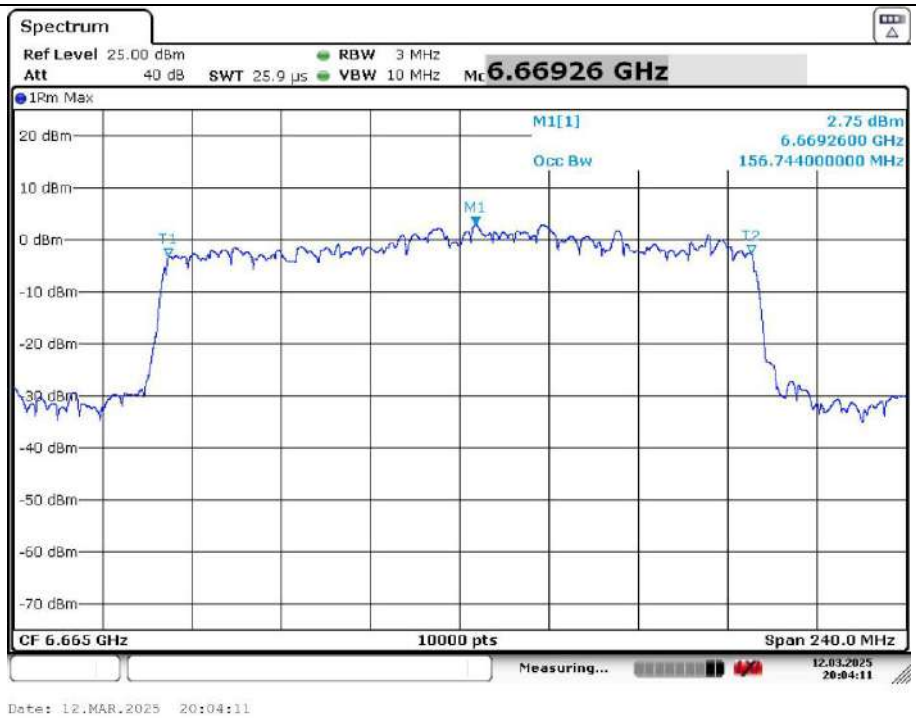


99% BW 802.11ax160

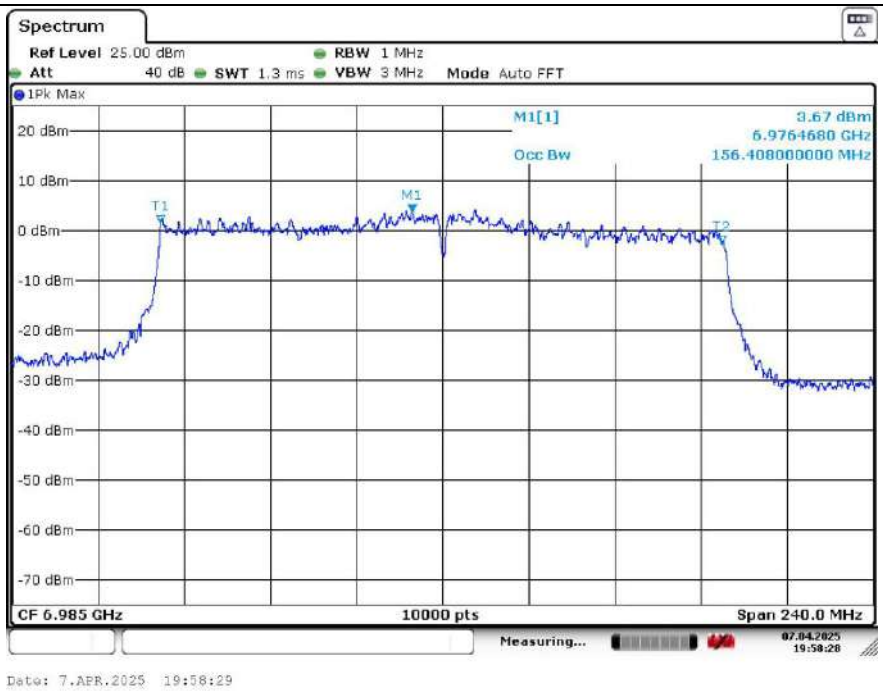
Channel 143: 6665MHz



99% BW 802.11be160
Channel 143: 6665MHz



99% BW 802.11ax160
Channel 207: 6985MHz



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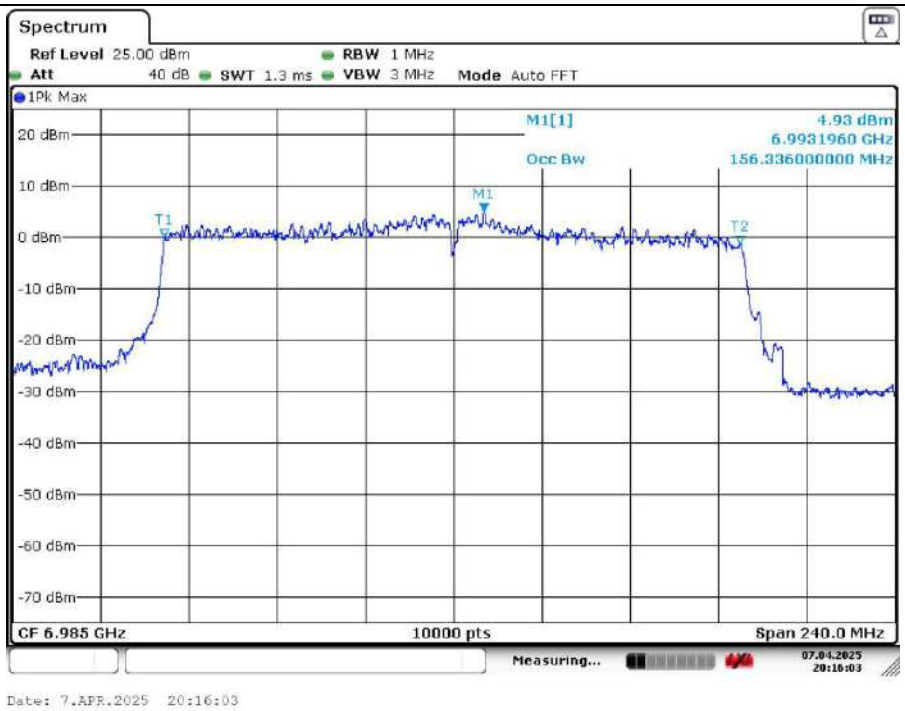
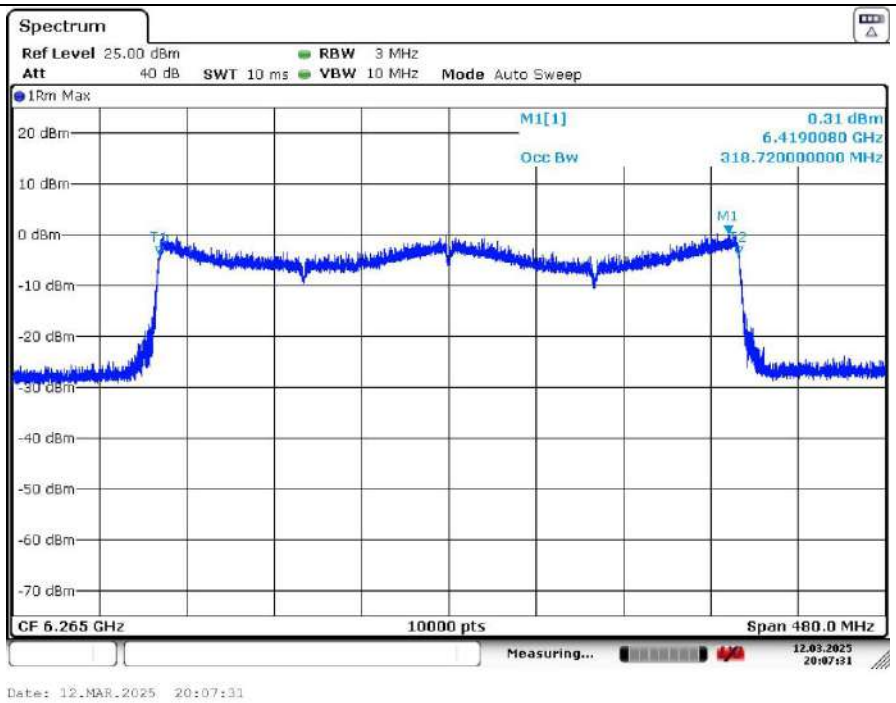
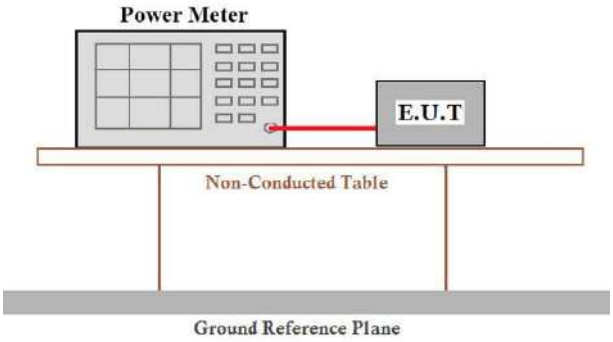
99% BW 802.11be160
Channel 207: 6985MHz



99% BW 802.11be320
Channel 63: 6265MHz



6. MAXIMUM CONDUCTED OUTPUT POWER

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	For the band 5.925-7.125 GHz, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.
Test setup:	
Test procedure:	**Measurement using an RF average power meter** (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10log(1/0.25) if the duty cycle is 25 percent).
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 6 for details

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6.1. TEST RESULT

Antenna 0:

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE20)	802.11be (EHT20)	802.11ax (HE20)	802.11be (EHT20)		
CH2	5935	17.79	17.19	23.29	22.69	30.00	Pass
CH45	6175	17.23	17.13	22.73	22.63	30.00	Pass
CH93	6415	17.93	18.00	23.43	23.50	30.00	Pass
CH97	6435	17.83	17.61	23.33	23.11	30.00	Pass
CH105	6475	14.75	17.74	20.25	23.24	30.00	Pass
CH113	6515	18.06	17.75	23.56	23.25	30.00	Pass
CH117	6535	17.60	17.80	23.10	23.30	30.00	Pass
CH153	6715	17.89	17.60	23.39	23.10	30.00	Pass
CH181	6855	17.30	17.60	22.8	23.10	30.00	Pass
CH189	6895	17.79	17.74	23.29	23.24	30.00	Pass
CH213	7015	16.87	17.07	22.37	22.50	30.00	Pass
CH233	7115	17.03	17.07	22.53	22.57	30.00	Pass

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE40)	802.11be (EHT40)	802.11ax (HE40)	802.11be (EHT40)		
CH3	5965	17.63	16.61	23.13	22.11	30.00	Pass
CH43	6165	17.89	16.72	23.39	22.22	30.00	Pass
CH91	6405	17.18	16.92	22.68	22.42	30.00	Pass
CH99	6445	16.89	16.71	22.39	22.21	30.00	Pass
CH107	6485	17.63	16.57	23.13	22.07	30.00	Pass
CH123	6565	16.07	16.87	21.57	22.37	30.00	Pass
CH155	6725	16.02	16.98	21.52	22.48	30.00	Pass
CH179	6845	16.72	16.47	22.22	21.97	30.00	Pass
CH195	6925	16.29	17.33	21.79	22.83	30.00	Pass
CH211	7005	16.77	17.63	22.27	27.77	30.00	Pass
CH227	7085	16.63	16.5	22.13	27.63	30.00	Pass

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CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE80)	802.11be (EHT80)	802.11ax (HE80)	802.11be (EHT80)		
CH7	5985	16.49	17.27	21.99	22.77	30.00	Pass
CH39	6145	16.44	16.44	21.94	21.94	30.00	Pass
CH87	6385	16.37	16.42	21.87	21.92	30.00	Pass
CH103	6465	17.17	16.05	22.67	21.55	30.00	Pass
CH135	6625	16.68	16.93	22.18	22.43	30.00	Pass
CH151	6705	16.98	16.13	22.48	21.63	30.00	Pass
CH167	6785	16.89	15.86	22.39	21.36	30.00	Pass
CH199	6945	16.27	16.55	21.77	22.05	30.00	Pass
CH215	7025	16.12	16.30	21.62	21.80	30.00	Pass

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE160)	802.11be (EHT160)	802.11ax (HE160)	802.11be (EHT160)		
CH15	6025	15.66	15.88	21.16	21.38	30.00	Pass
CH47	6185	16.07	15.08	21.57	20.58	30.00	Pass
CH79	6345	16.51	15.70	22.01	21.20	30.00	Pass
CH143	6665	15.93	15.09	21.43	20.59	30.00	Pass
CH207	6985	15.19	15.63	20.69	21.13	30.00	Pass

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)	e.i.r.p. (dBm)	Limit e.i.r.p. (dBm)	Result
		802.11be (EHT320)	802.11be (EHT320)		
CH63	6265	14.06	19.56	30.00	Pass

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Antenna 1:

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE20)	802.11be (EHT20)	802.11ax (HE20)	802.11be (EHT20)		
CH2	5935	16.85	17.76	22.35	23.26	30.00	Pass
CH45	6175	16.96	17.47	22.46	22.97	30.00	Pass
CH93	6415	17.13	17.76	22.63	23.26	30.00	Pass
CH97	6435	17.39	17.48	22.89	22.98	30.00	Pass
CH105	6475	14.25	17.51	19.75	23.01	30.00	Pass
CH113	6515	17.25	17.58	22.75	23.08	30.00	Pass
CH117	6535	17.60	17.55	23.10	23.05	30.00	Pass
CH153	6715	17.49	17.71	22.99	23.21	30.00	Pass
CH181	6855	17.09	17.23	22.59	22.73	30.00	Pass
CH189	6895	17.40	17.64	22.90	23.14	30.00	Pass
CH213	7015	16.88	17.67	22.38	23.17	30.00	Pass
CH233	7115	16.92	17.78	22.42	23.28	30.00	Pass

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE40)	802.11be (EHT40)	802.11ax (HE40)	802.11be (EHT40)		
CH3	5965	17.37	16.73	22.87	22.23	30.00	Pass
CH43	6165	17.66	16.56	23.16	22.06	30.00	Pass
CH91	6405	17.03	17.23	22.53	22.73	30.00	Pass
CH99	6445	16.76	16.99	22.26	22.49	30.00	Pass
CH107	6485	16.98	16.83	22.48	22.33	30.00	Pass
CH123	6565	16.84	17.08	22.34	22.58	30.00	Pass
CH155	6725	16.41	17.28	21.91	22.78	30.00	Pass
CH179	6845	16.62	16.63	22.12	22.13	30.00	Pass
CH195	6925	16.79	17.29	22.29	22.79	30.00	Pass
CH211	7005	16.49	17.71	21.99	23.21	30.00	Pass
CH227	7085	16.68	16.60	22.18	22.10	30.00	Pass

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CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE80)	802.11be (EHT80)	802.11ax (HE80)	802.11be (EHT80)		
CH7	5985	16.24	17.37	21.74	22.87	30.00	Pass
CH39	6145	16.97	17.09	22.47	22.59	30.00	Pass
CH87	6385	16.36	16.80	21.86	22.30	30.00	Pass
CH103	6465	17.25	16.61	22.75	22.11	30.00	Pass
CH135	6625	17.14	17.35	22.64	22.85	30.00	Pass
CH151	6705	16.68	16.67	22.18	22.17	30.00	Pass
CH167	6785	17.42	16.37	22.92	21.87	30.00	Pass
CH199	6945	16.16	16.74	21.66	27.16	30.00	Pass
CH215	7025	16.15	16.51	21.65	27.15	30.00	Pass

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)		e.i.r.p. (dBm)		Limit e.i.r.p. (dBm)	Result
		802.11ax (HE160)	802.11be (EHT160)	802.11ax (HE160)	802.11be (EHT160)		
CH15	6025	15.64	14.86	21.14	20.36	30.00	Pass
CH47	6185	15.51	15.80	21.01	21.30	30.00	Pass
CH79	6345	15.20	15.40	20.70	20.90	30.00	Pass
CH143	6665	15.43	16.17	20.93	21.67	30.00	Pass
CH207	6985	15.25	15.38	20.75	20.88	30.00	Pass

CH. No.	Frequency (MHz)	Conducted Output Power (dBm)	e.i.r.p. (dBm)	Limit e.i.r.p. (dBm)	Result
		802.11be (EHT320)	802.11be (EHT320)		
CH63	6265	14.93	20.43	30.00	Pass

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7. Band Edges Measurement

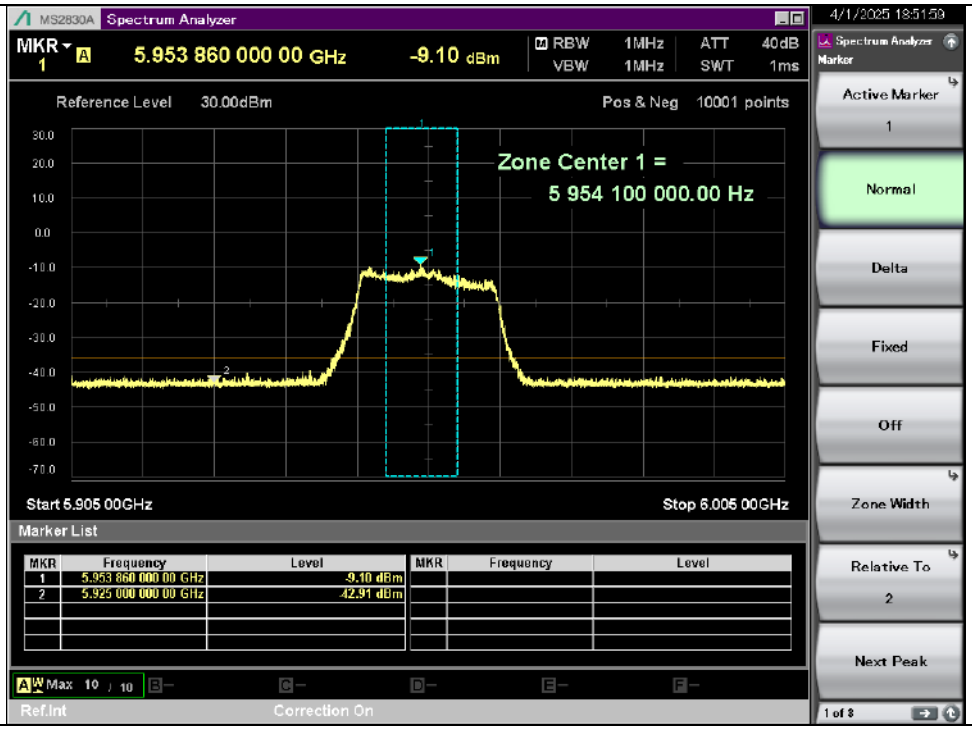
Test Requirement:	FCC Part15 E Section 15.407 and 15.205
Test Method:	ANSI C63.10:2020
Limit:	Undesirable emission limits: (1) For transmitters operating in the 5.925-7.125GHz band: all emissions outside of the 5.925-7.125GHz band shall not exceed an EIRP of -27 dBm/MHz.
Test Procedure:	a. The Transmitter output of EUT was connected to the spectrum analyzer. Equipment mode: Spectrum analyzer Detector function: Peak mode SPAN: 100MHz RBW: 1 MHz VBW: 1 MHz Sweep time= Auto. b. Using Peak Search to read the peak power of Carrier frequencies after Maximum Hold function is completed. c. Find the next peak frequency outside the operation frequency band.
Test setup:	
Test results:	Pass

7.1. TEST RESULT

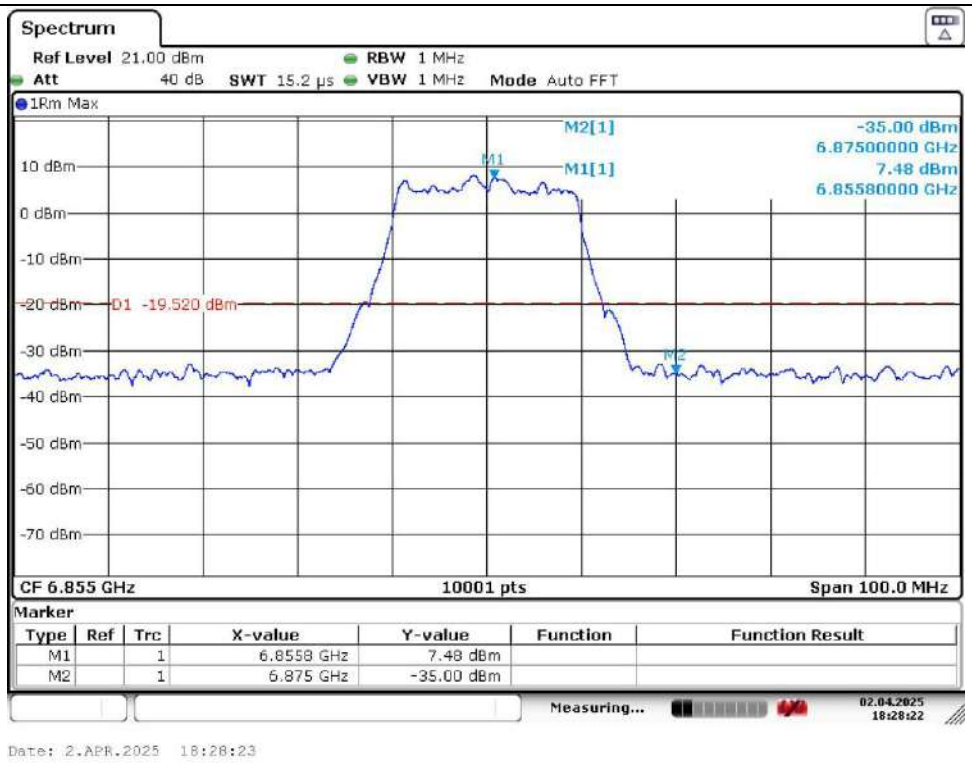
Antenna 0:

802.11ax20

Channel 2: 5935MHz

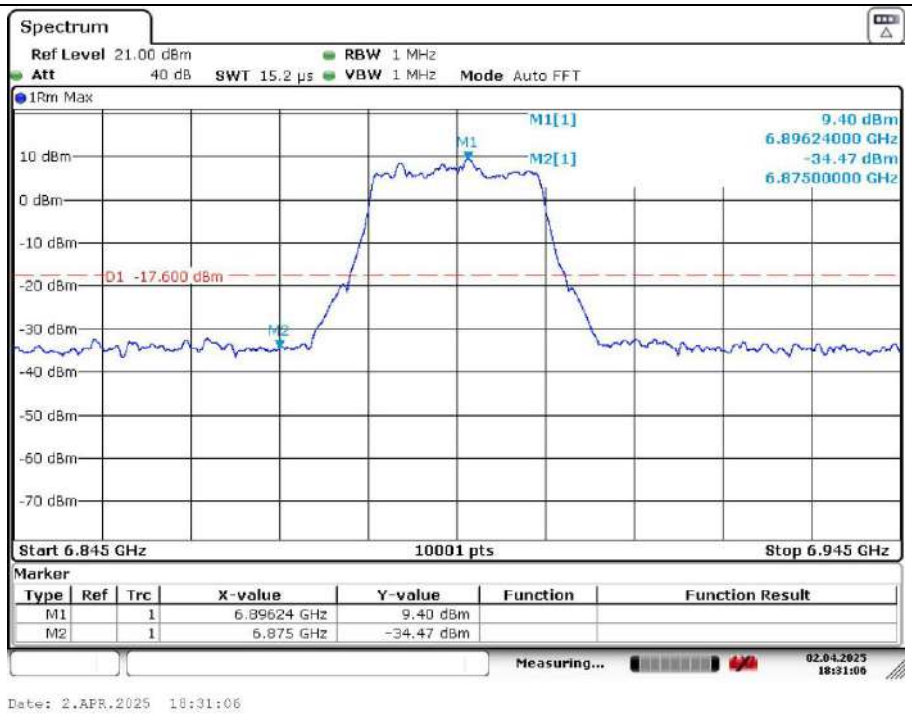


Channel 181: 6855MHz



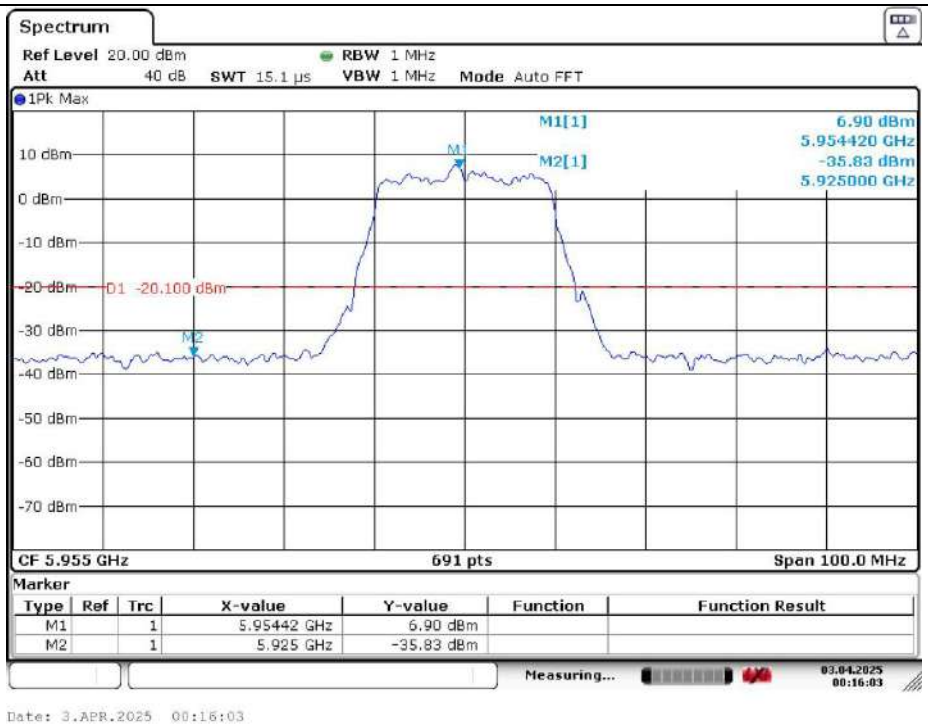
802.11ax20

Channel 189: 6895MHz

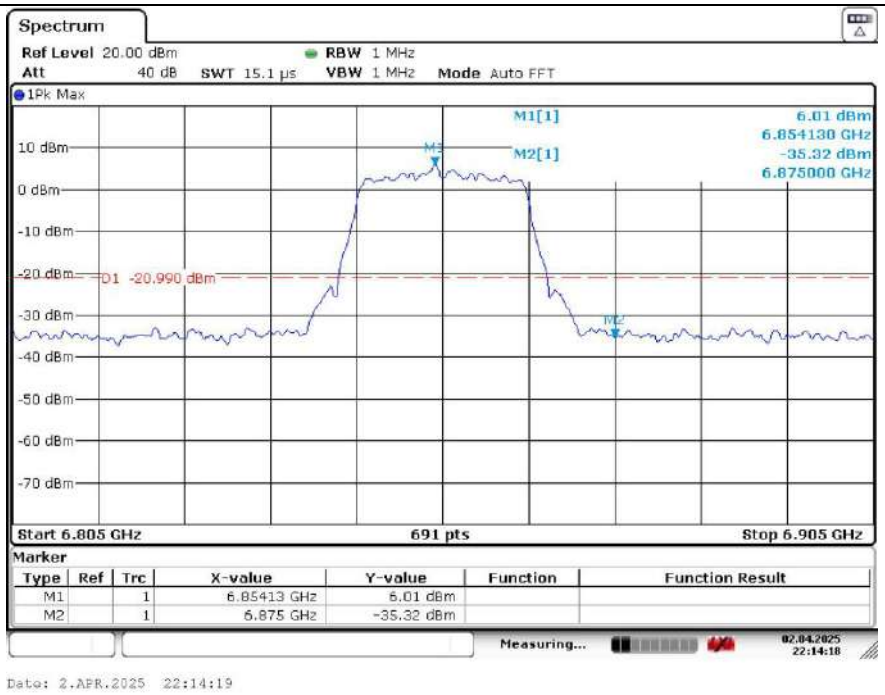


802.11be20

Channel 2: 5935MHz



Channel 181: 6855MHz



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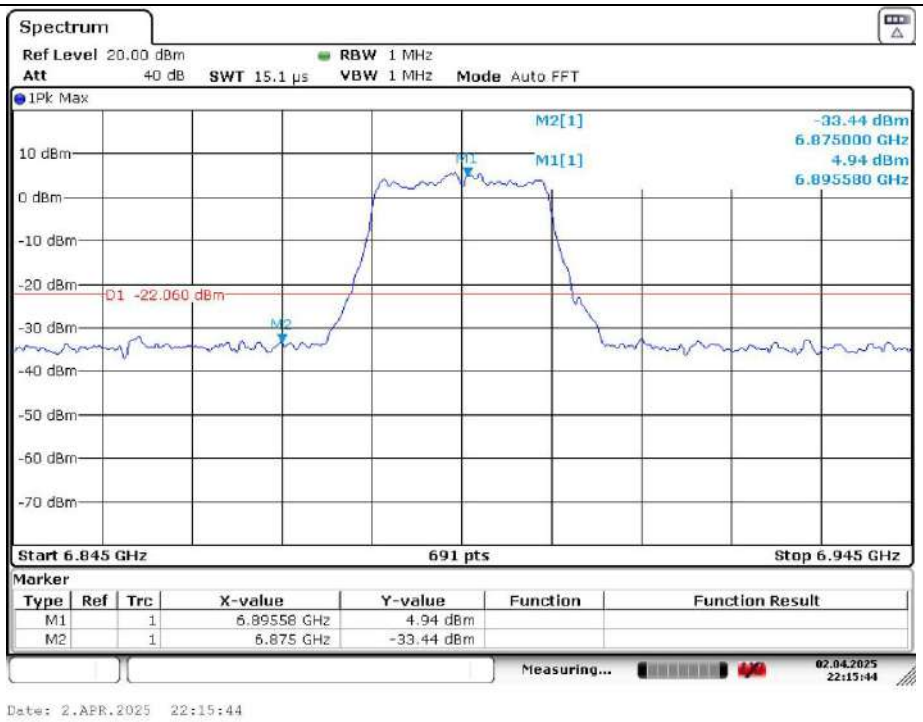
Channel 189: 6895MHz



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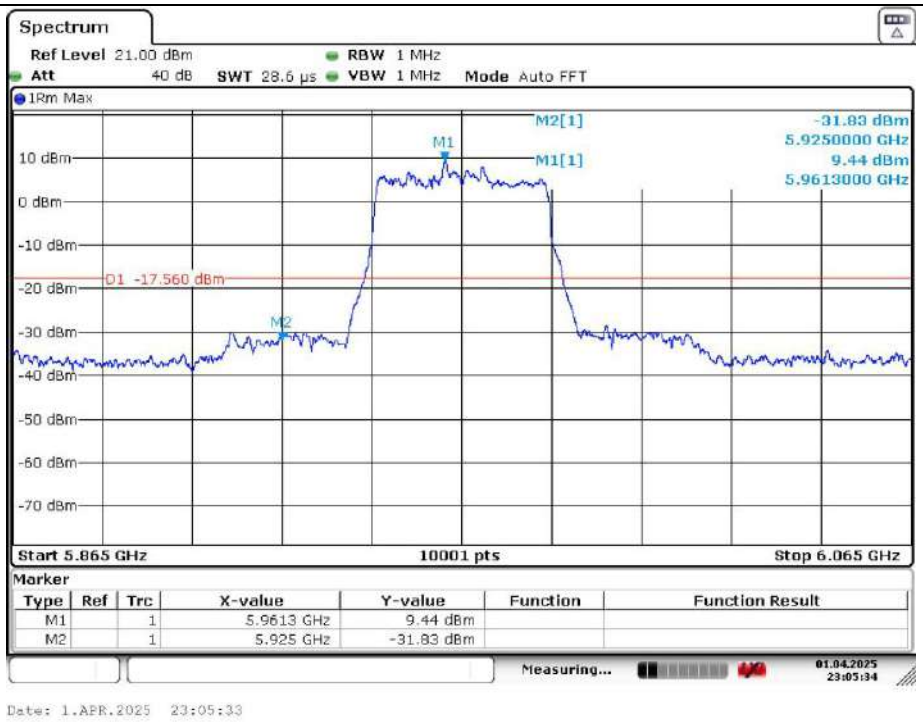
Channel 3: 5965MHz



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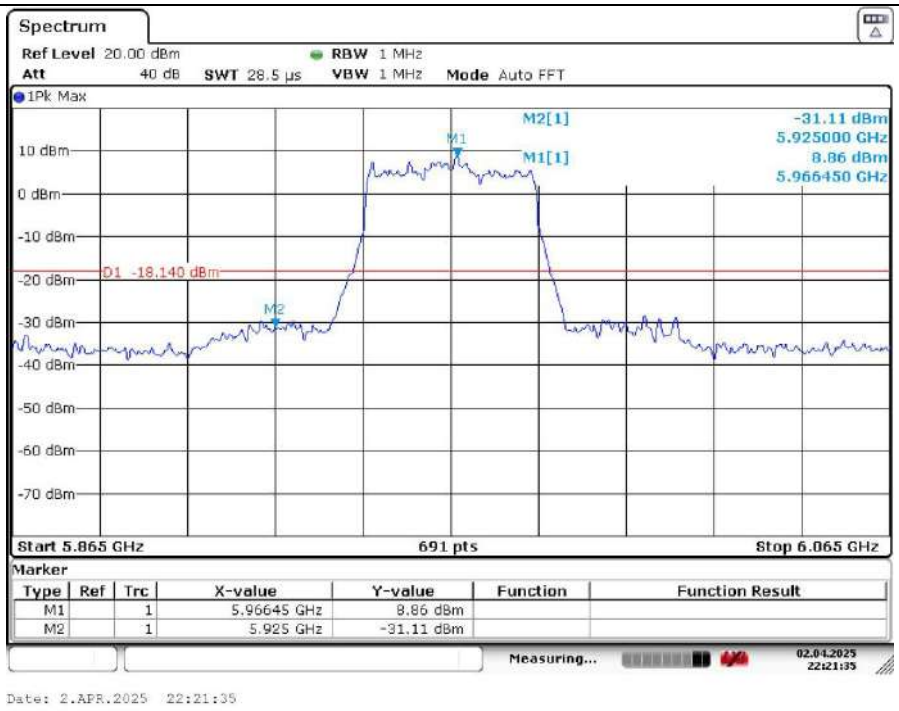
Channel 3: 5965MHz



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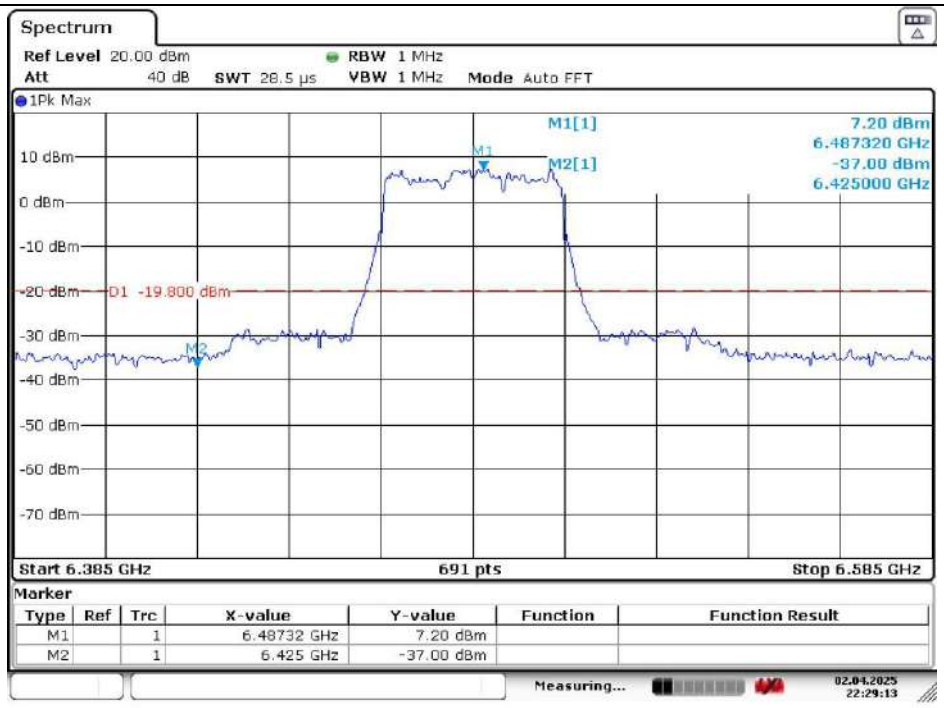
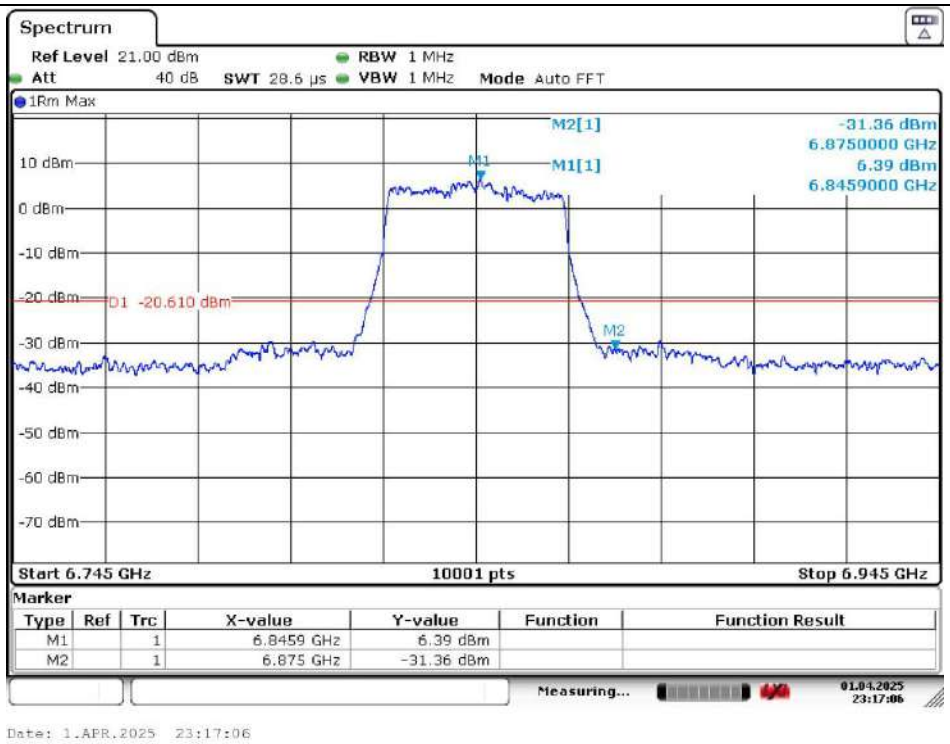
802.11be40

Channel 107: 6485MHz

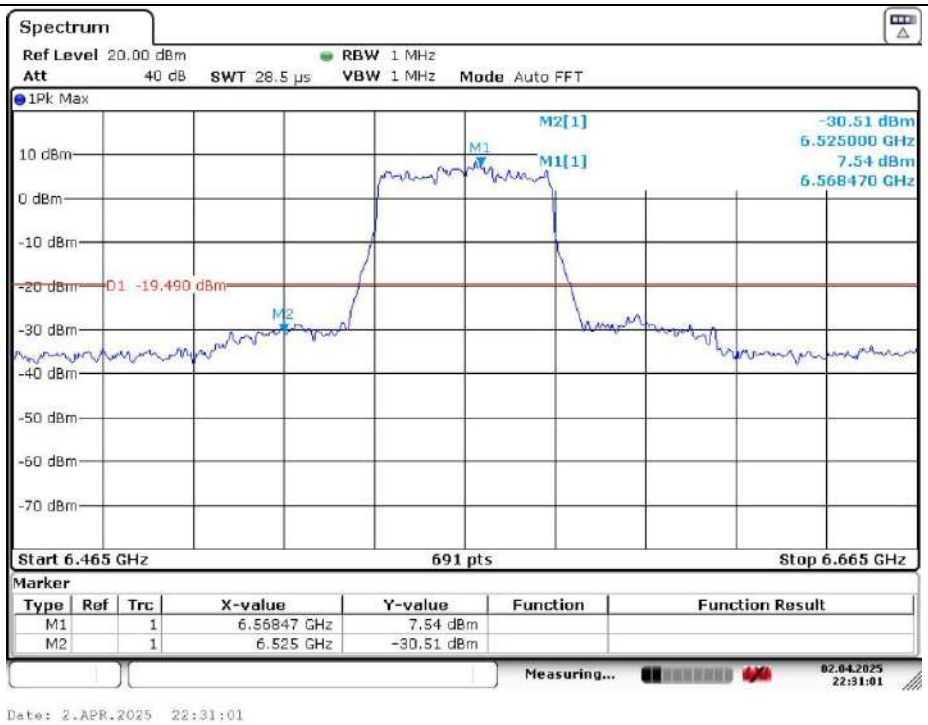


Channel 179: 6845MHz

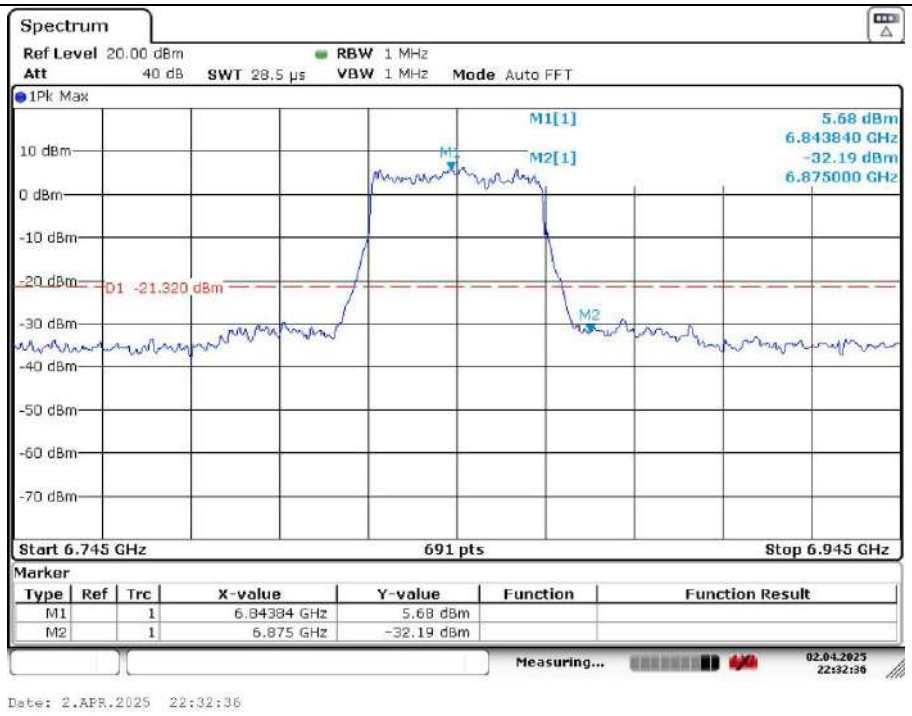


802.11be40

Channel 123: 6565MHz

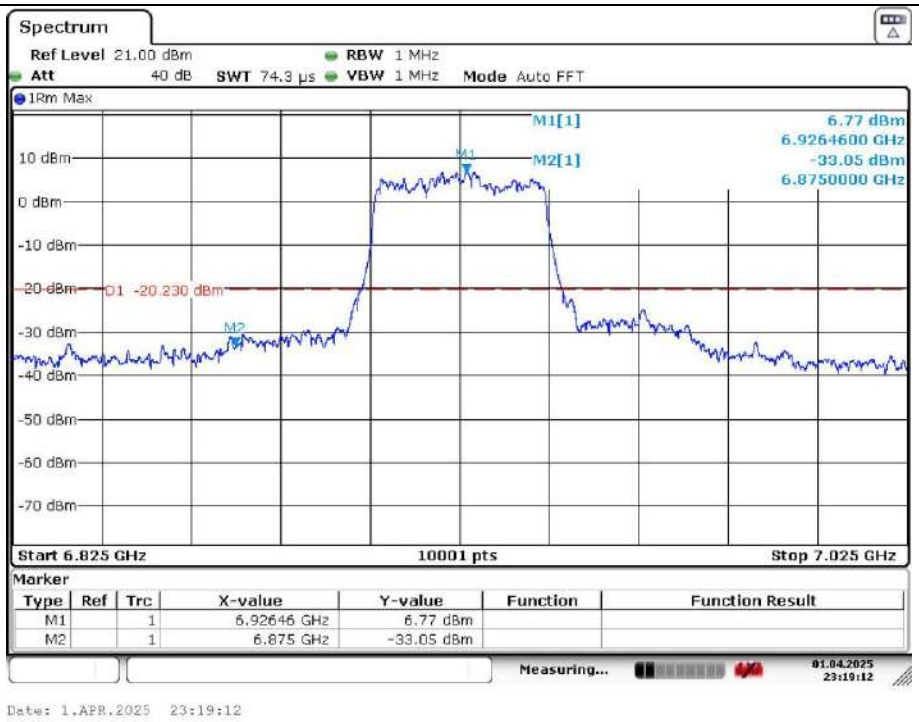


Channel 179: 6845MHz

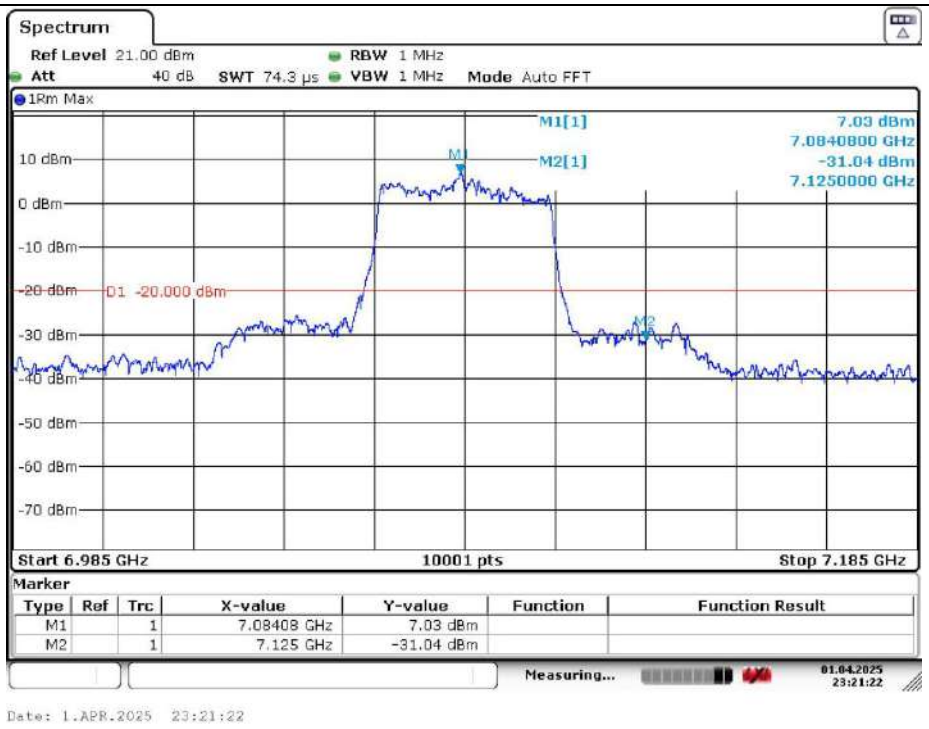


802.11ax40

Channel 195: 6925MHz



Channel 227: 7085MHz



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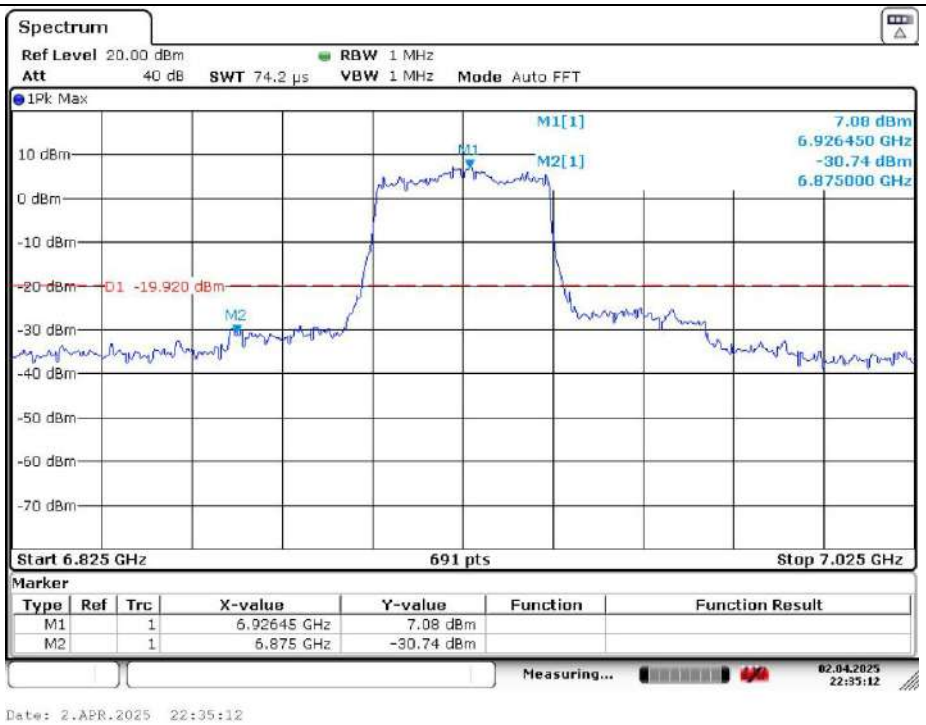
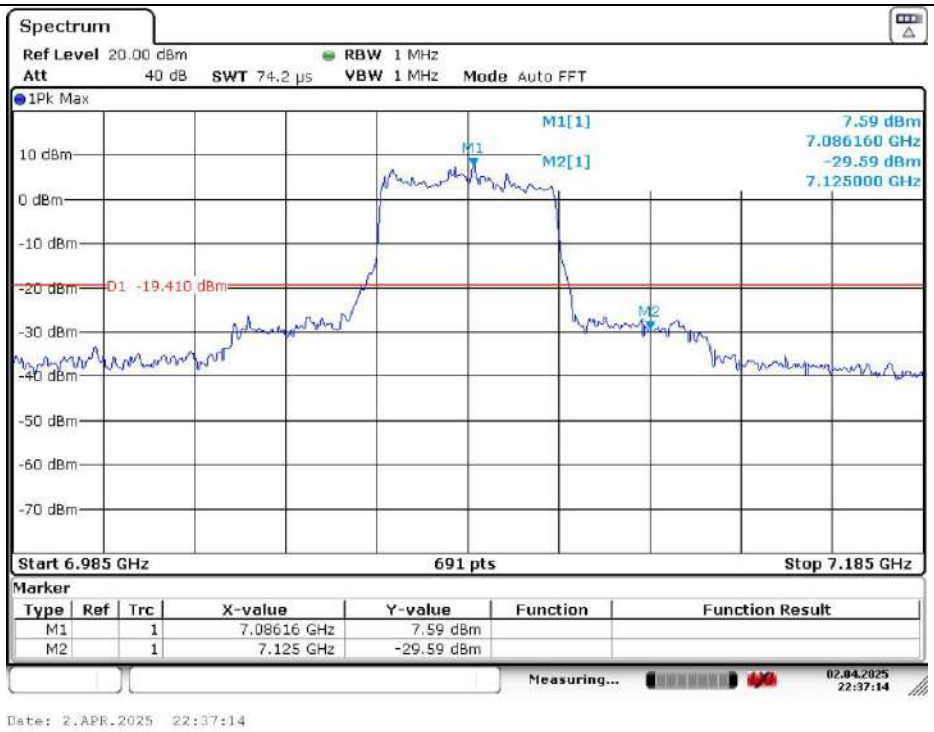
802.11be40

Channel 195: 6925MHz

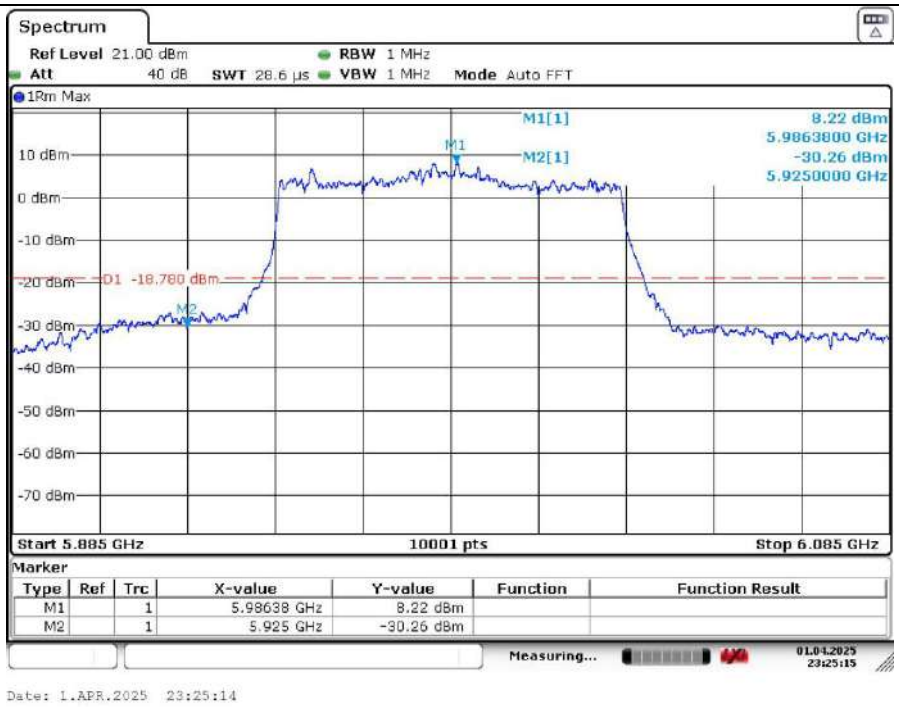


Channel 227: 7085MHz



802.11ax80

Channel 7: 5985MHz



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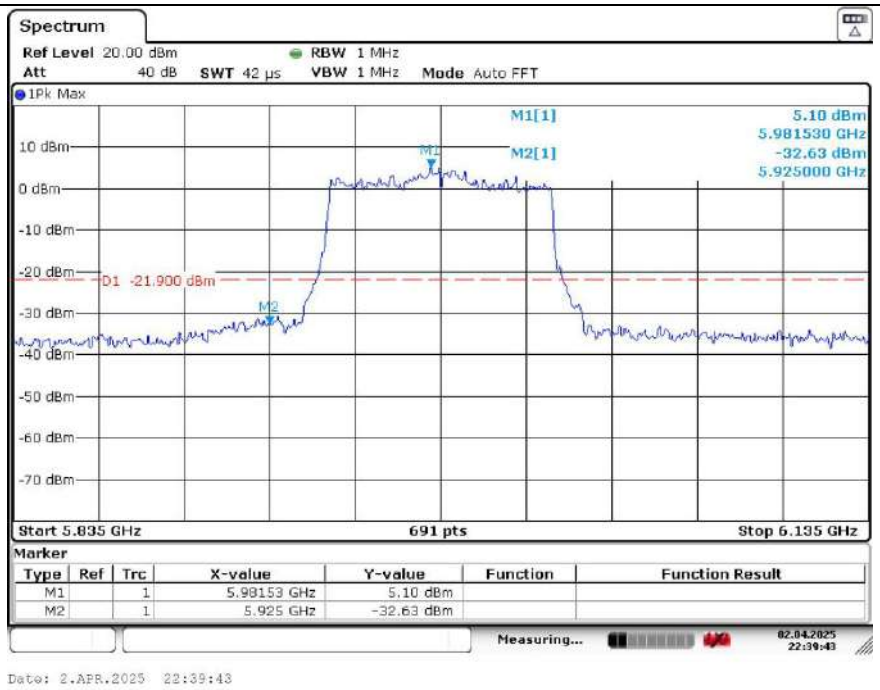
Channel 7: 5985MHz



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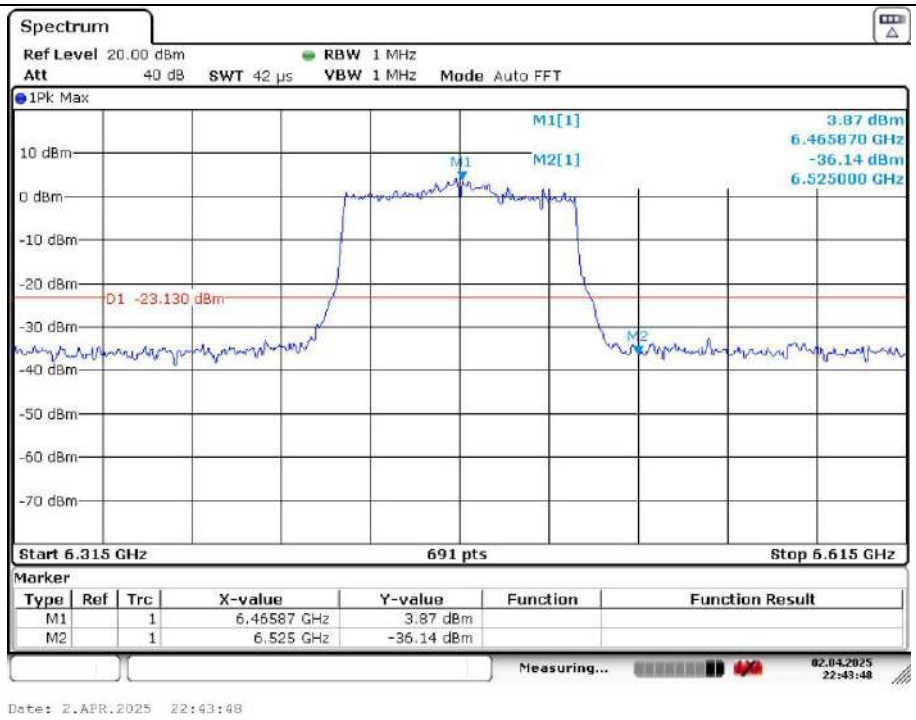
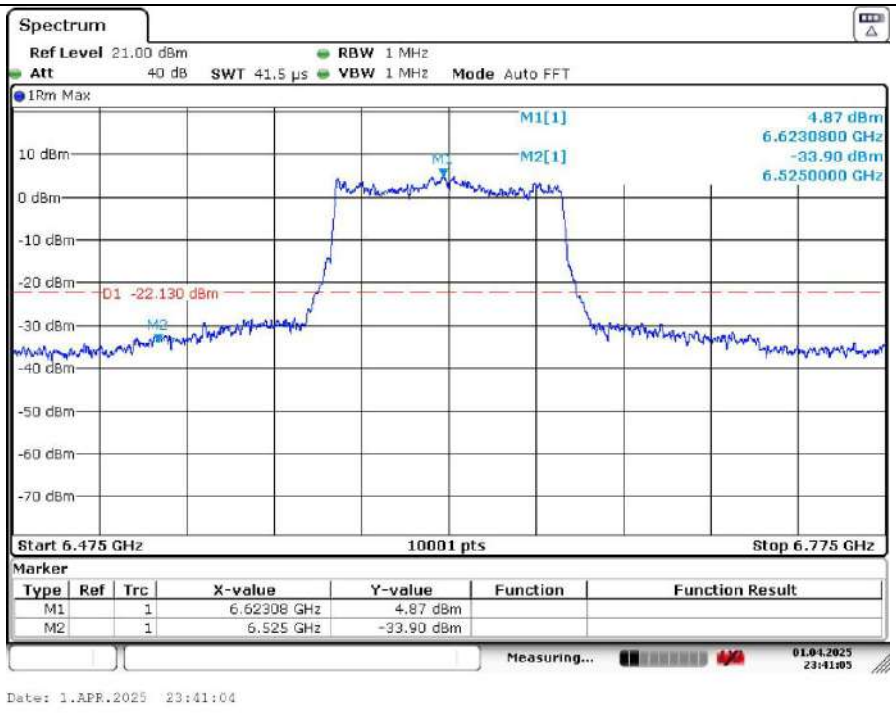
Channel 103: 6465MHz



802.11ax80

Channel 135: 6625MHz



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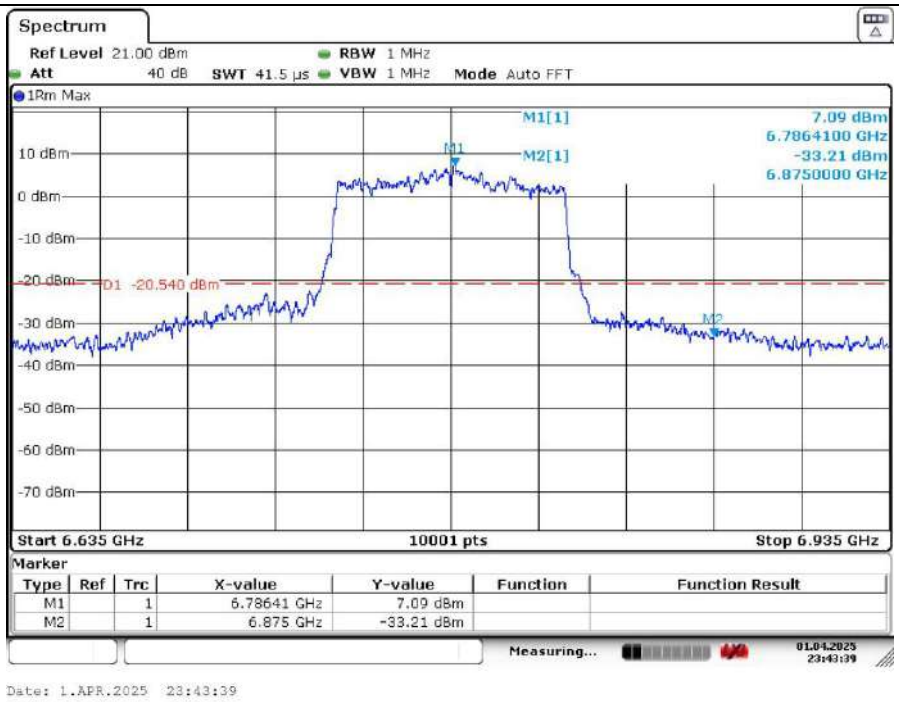
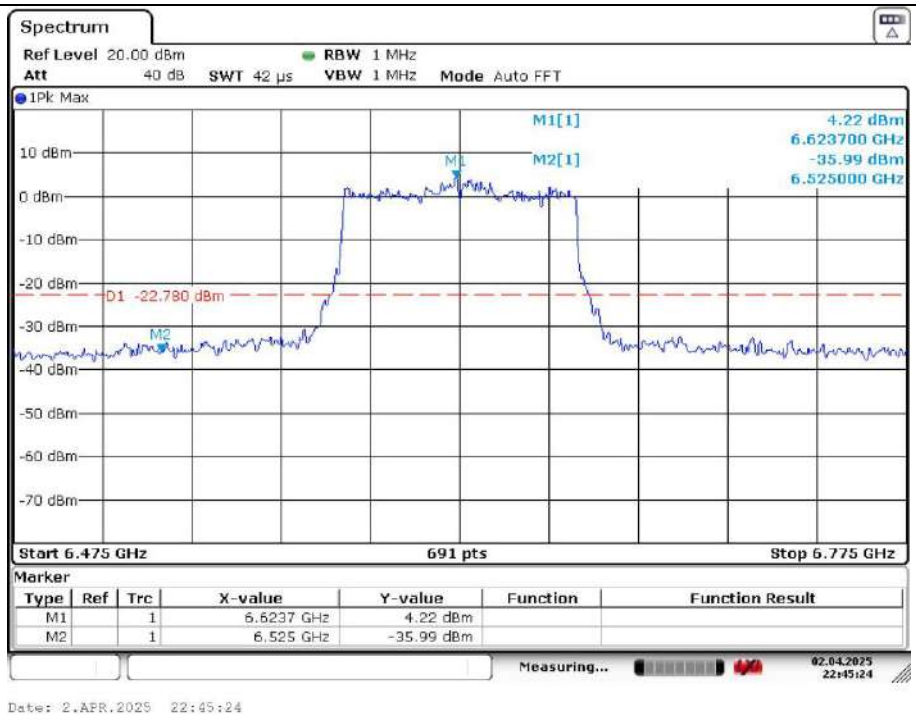
Channel 167: 6785MHz



802.11be80

Channel 135: 6625MHz



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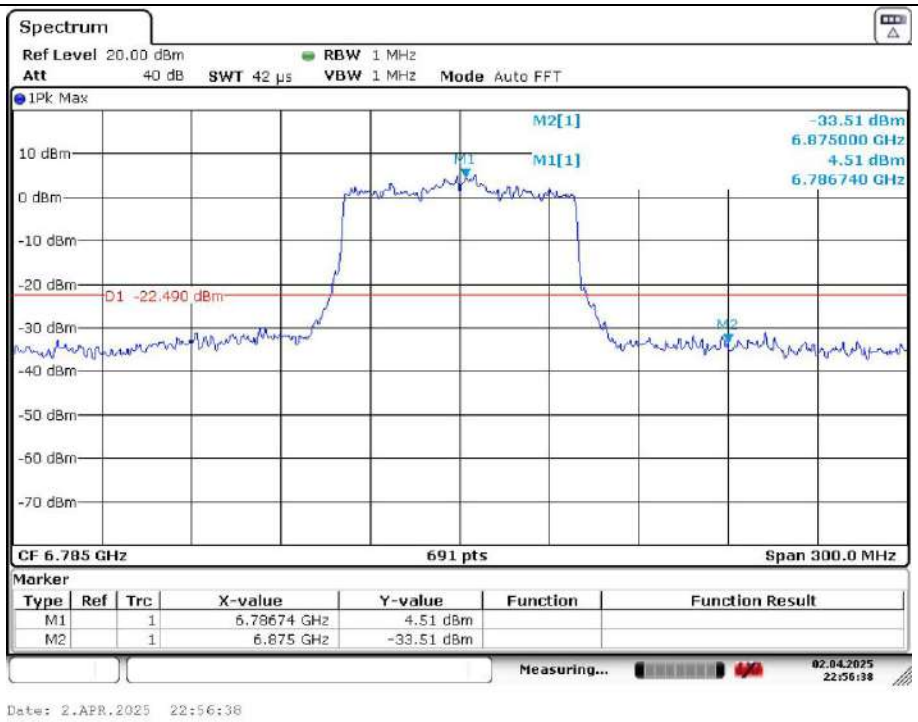
Channel 167: 6785MHz



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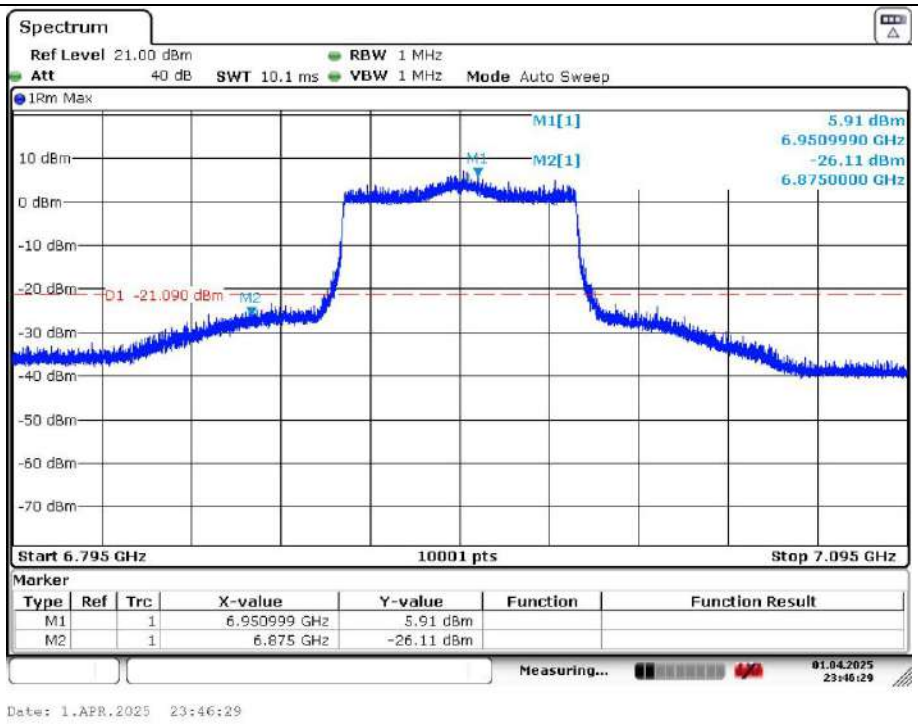
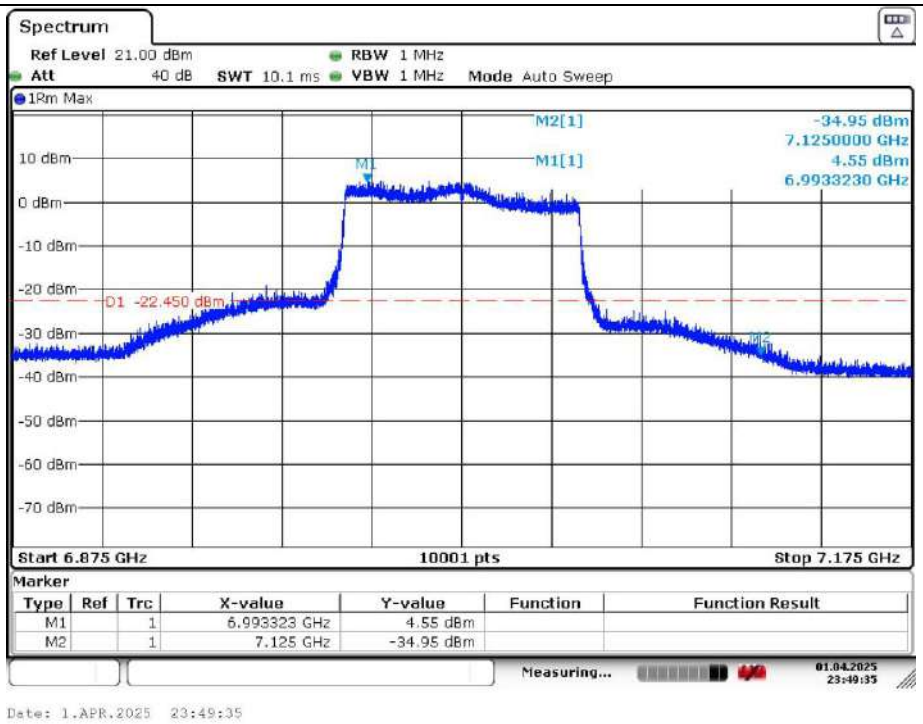
Channel 199: 6945MHz



Channel 215: 7025MHz



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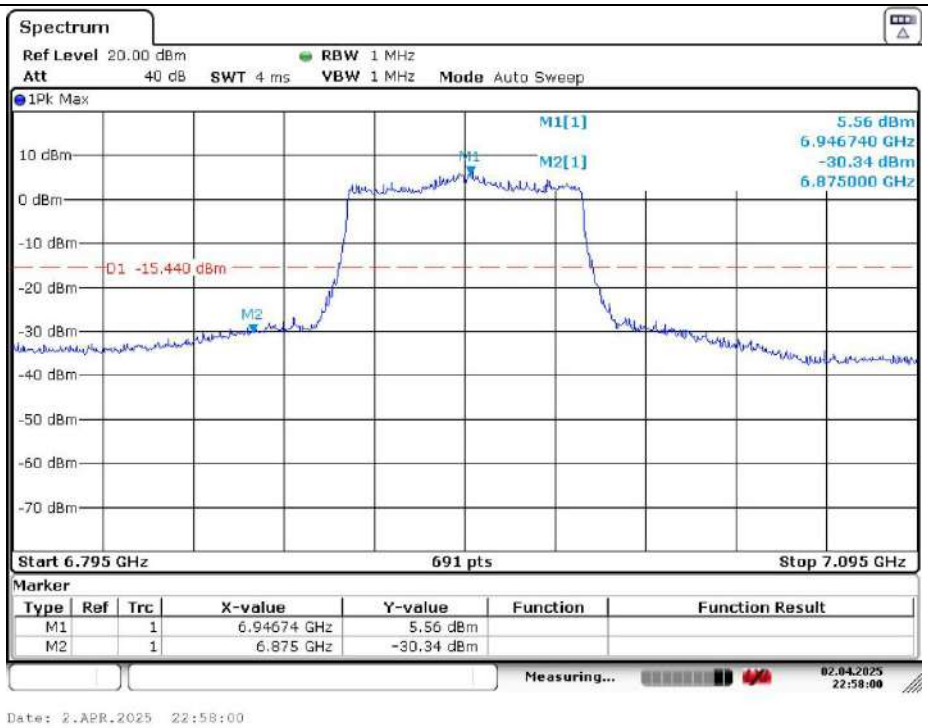
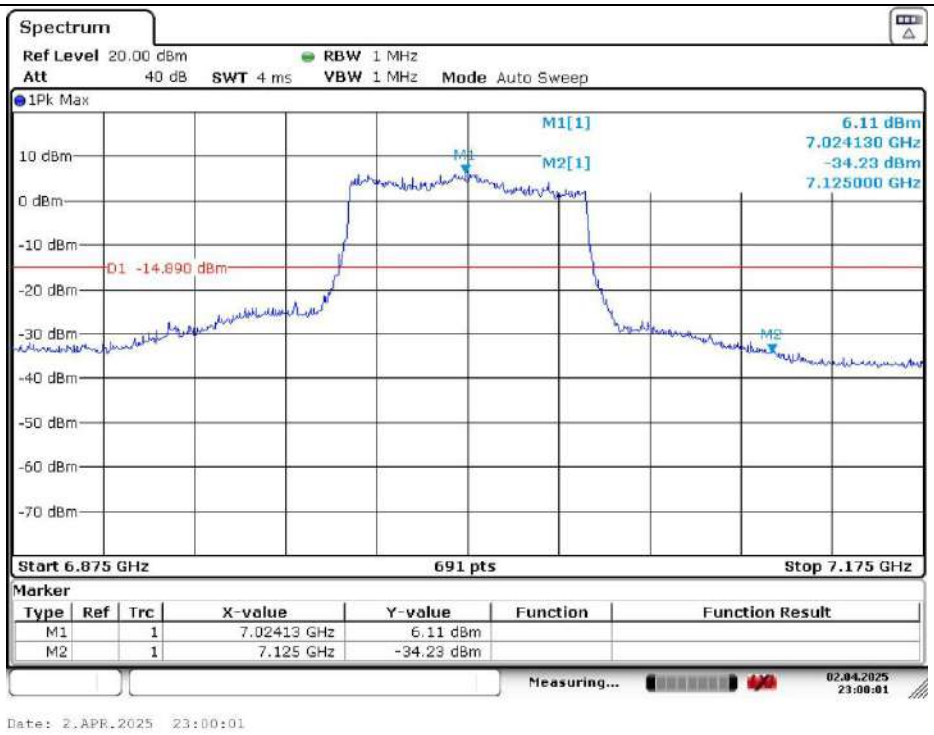
Channel 199: 6945MHz

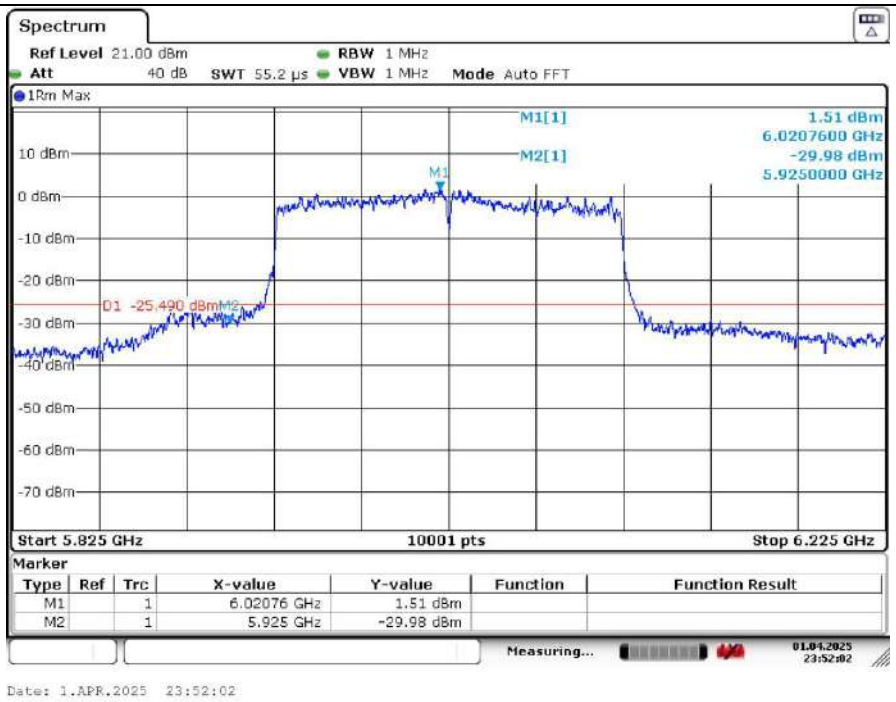


Channel 215: 7025MHz



802.11ax160

Channel 15: 6025MHz



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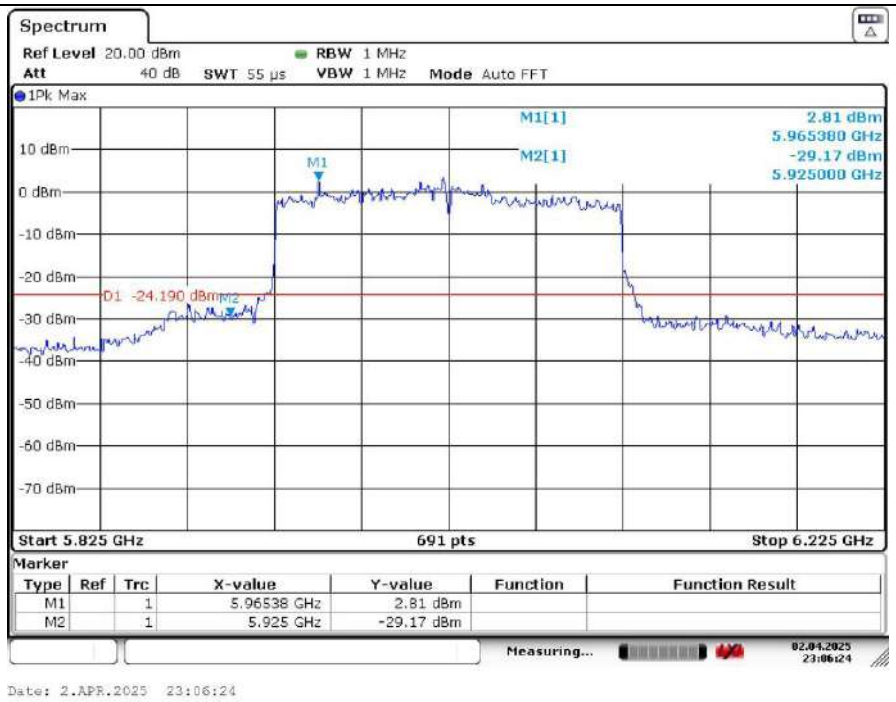
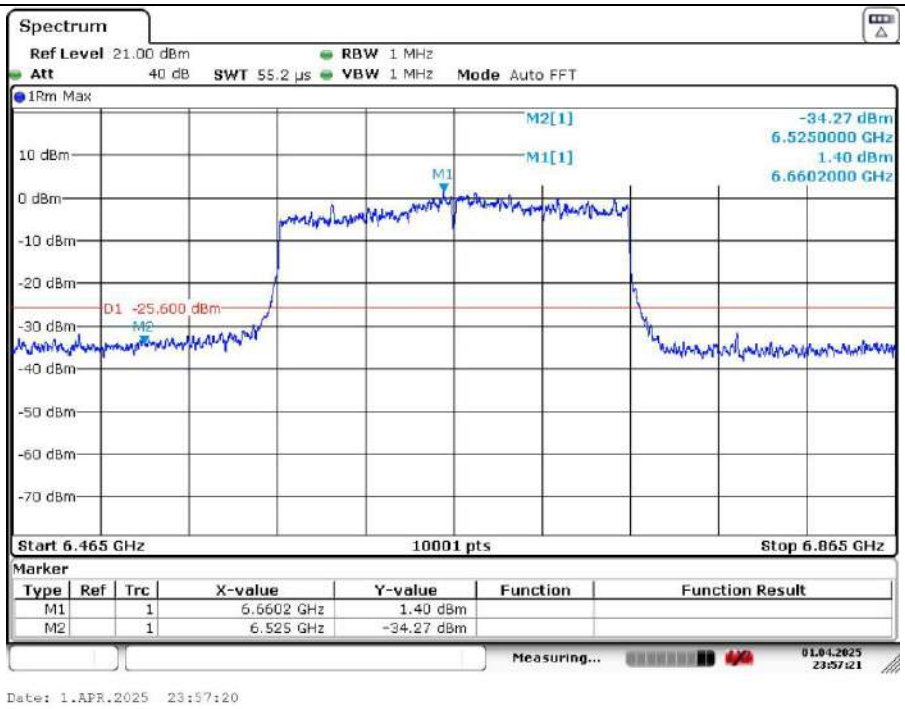
Channel 15: 6025MHz



802.11ax160

Channel 143: 6665MHz



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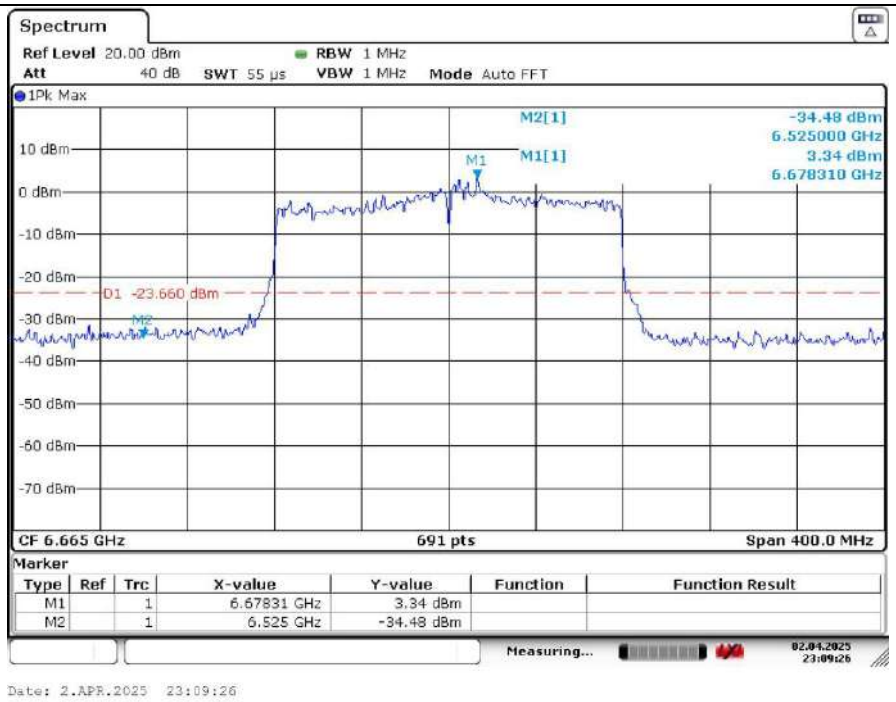
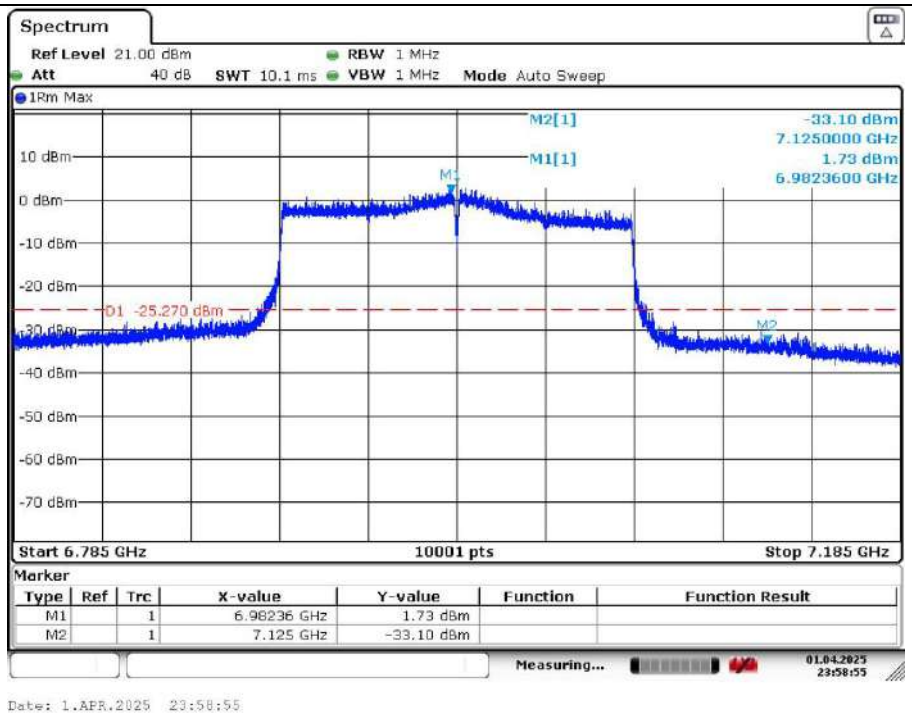
Channel 143: 6665MHz



802.11ax160

Channel 207: 6985MHz



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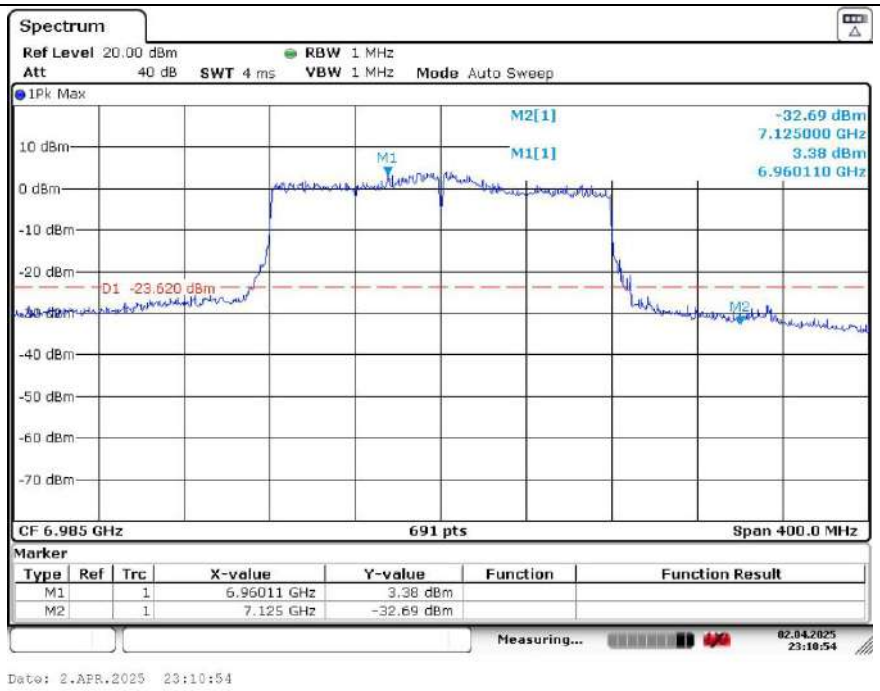
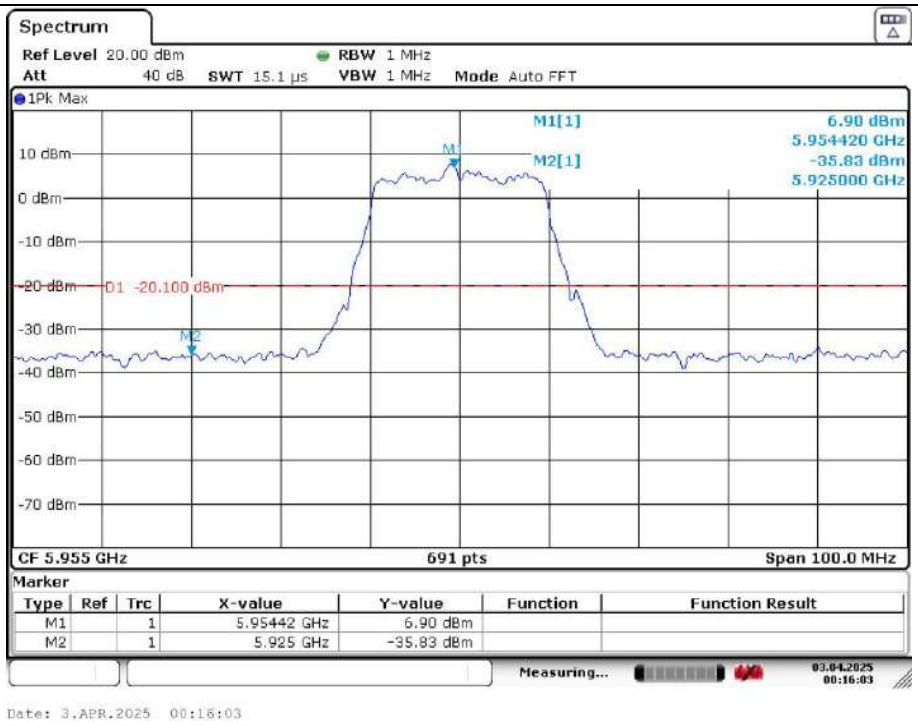
802.11be160
Channel 207: 6985MHz



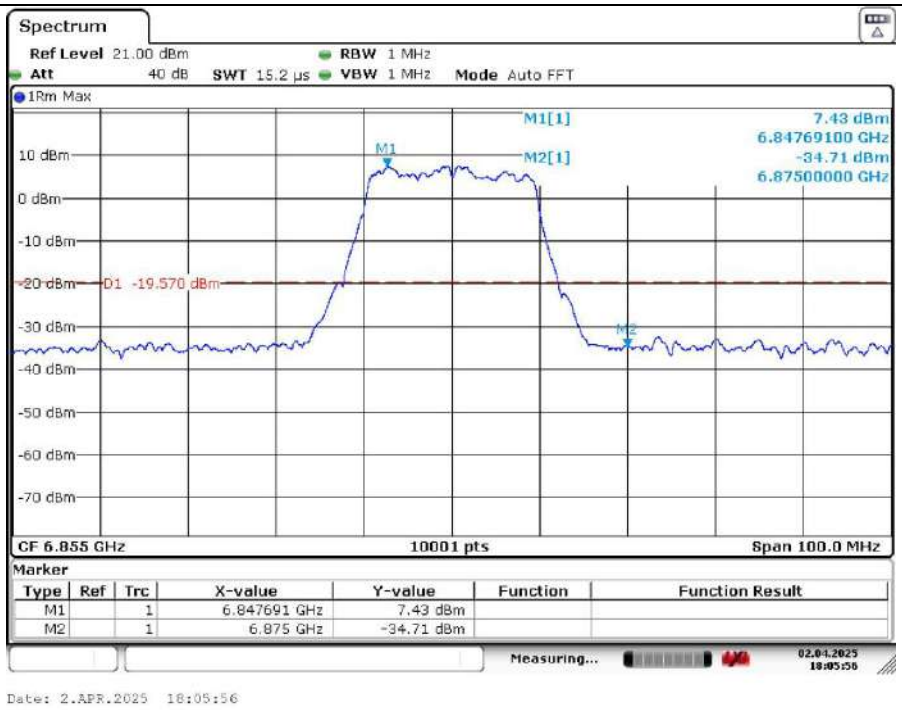
Antenna 1:

802.11ax20

Channel 2: 5935MHz



Channel 181: 6855MHz



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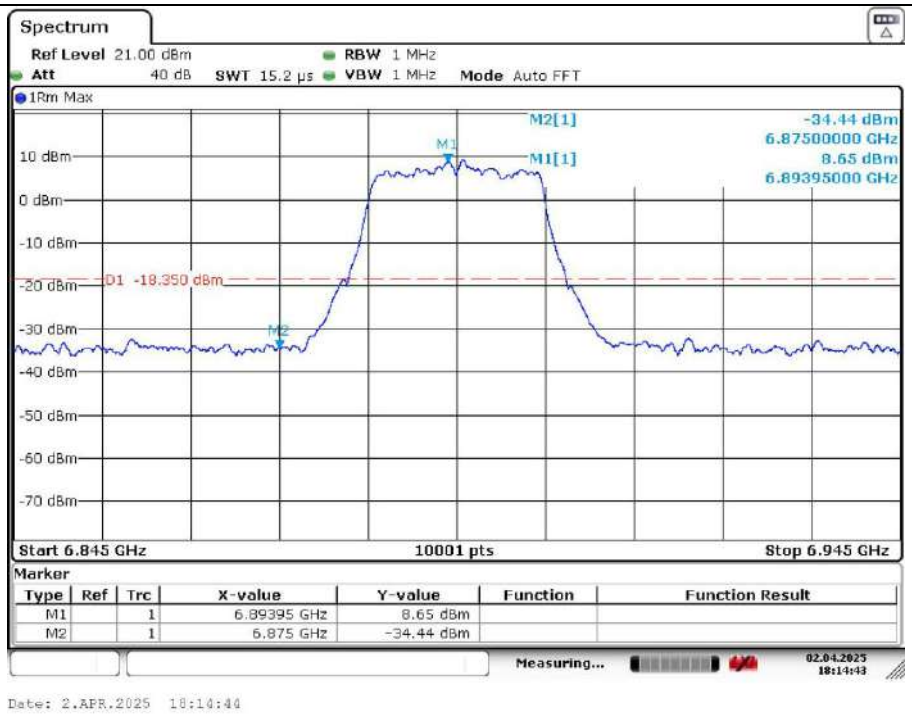
Channel 189: 6895MHz



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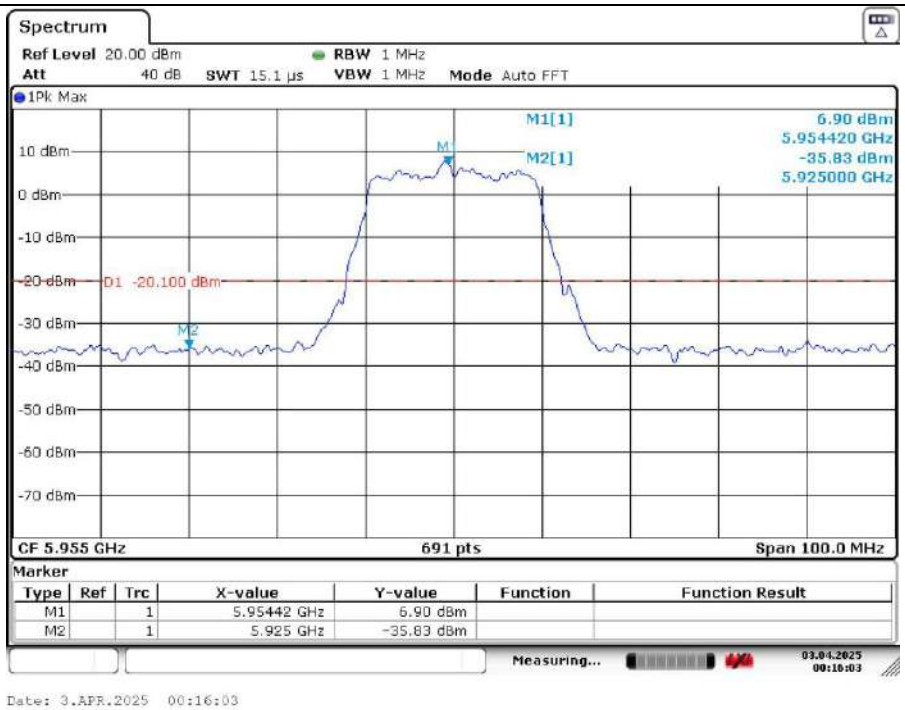
Channel 2: 5935MHz



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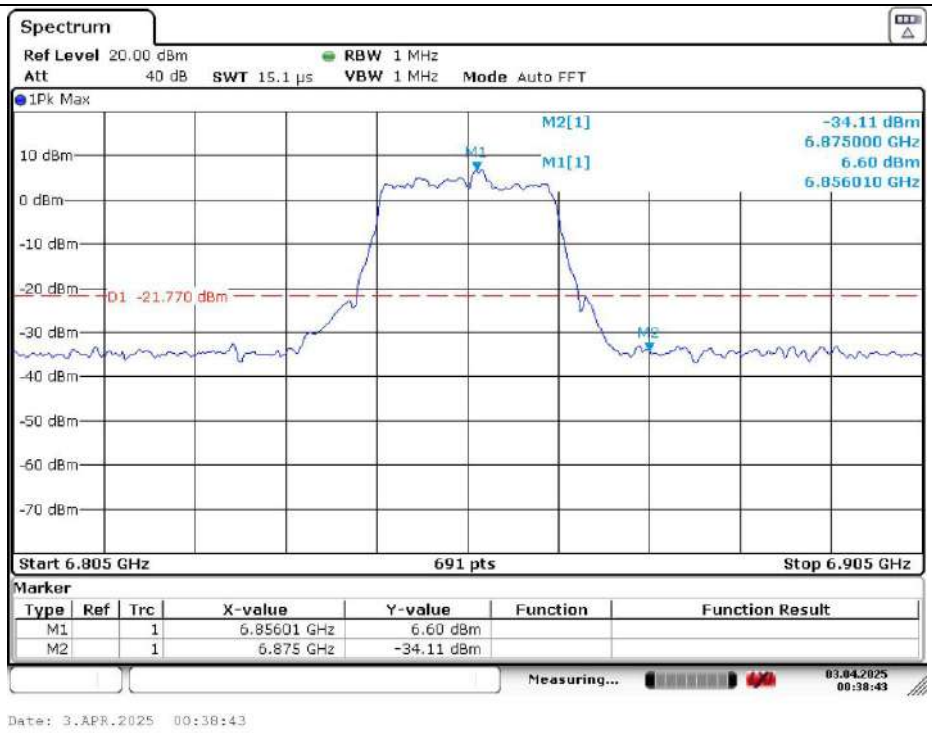
Channel 181: 6855MHz



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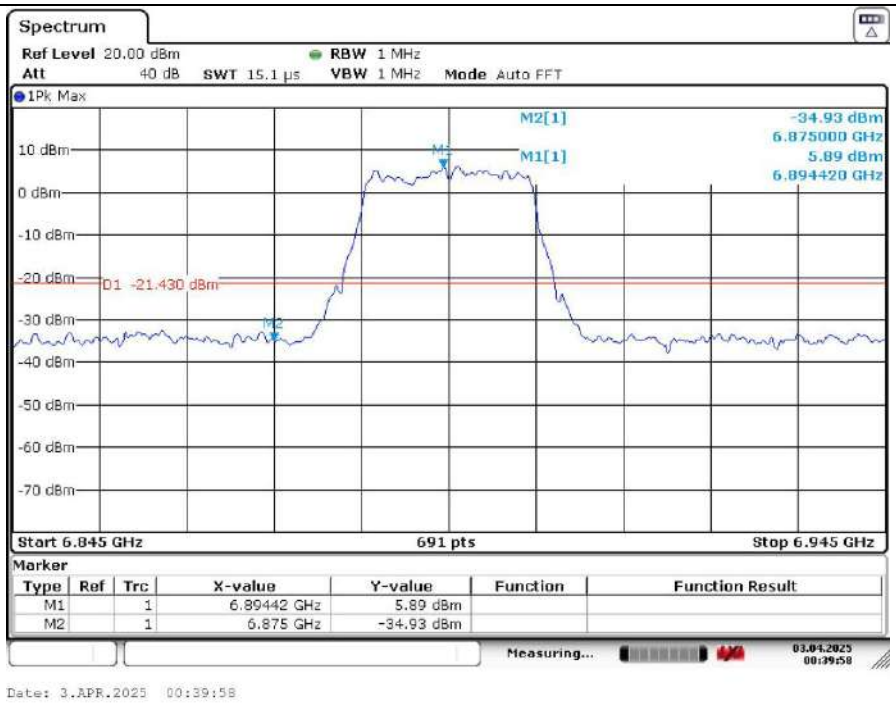
Channel 189: 6895MHz



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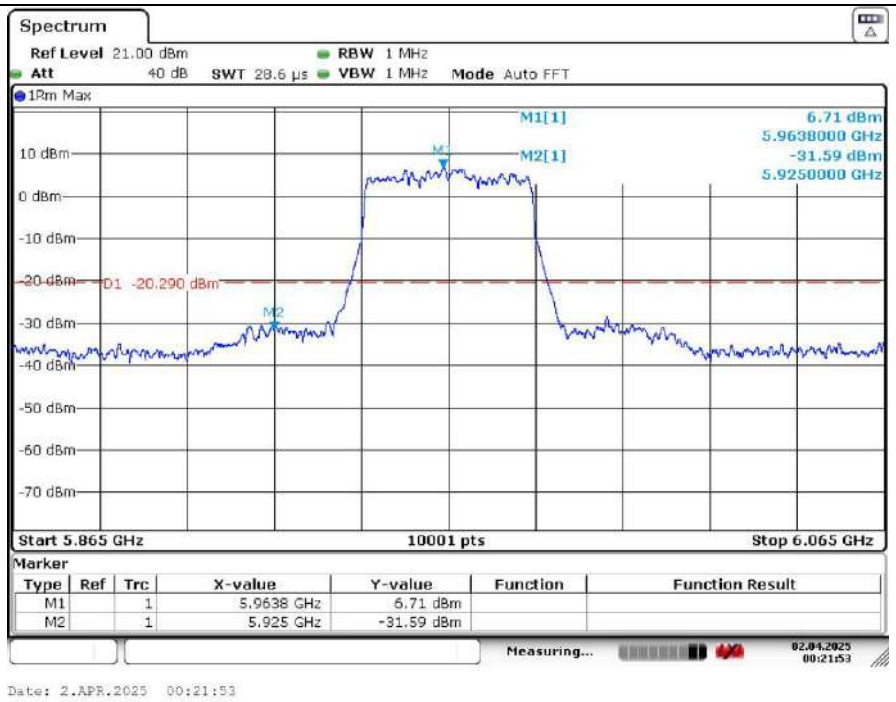
Channel 3: 5965MHz



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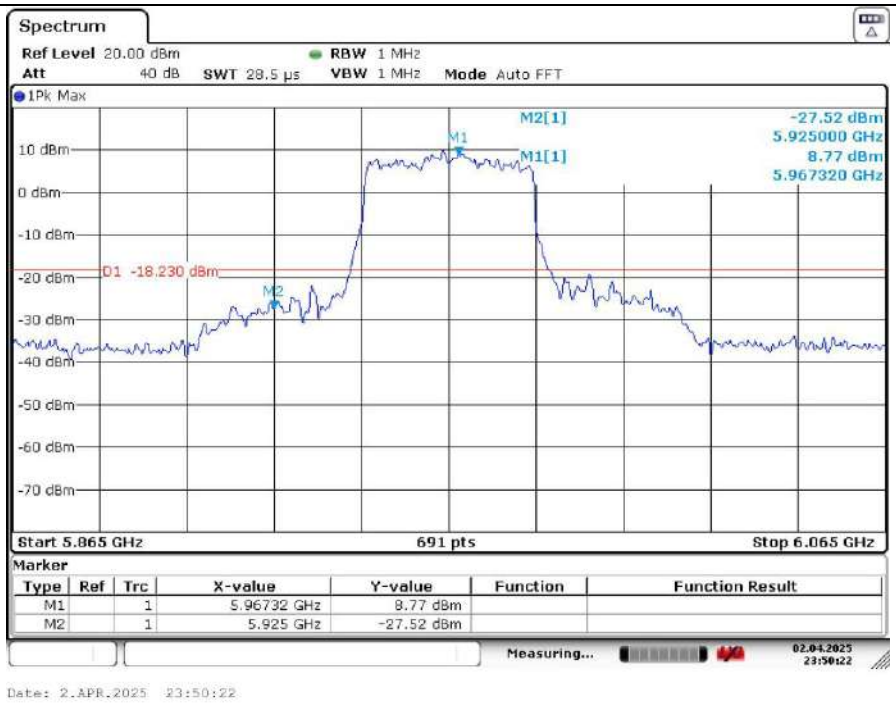
Channel 3: 5965MHz



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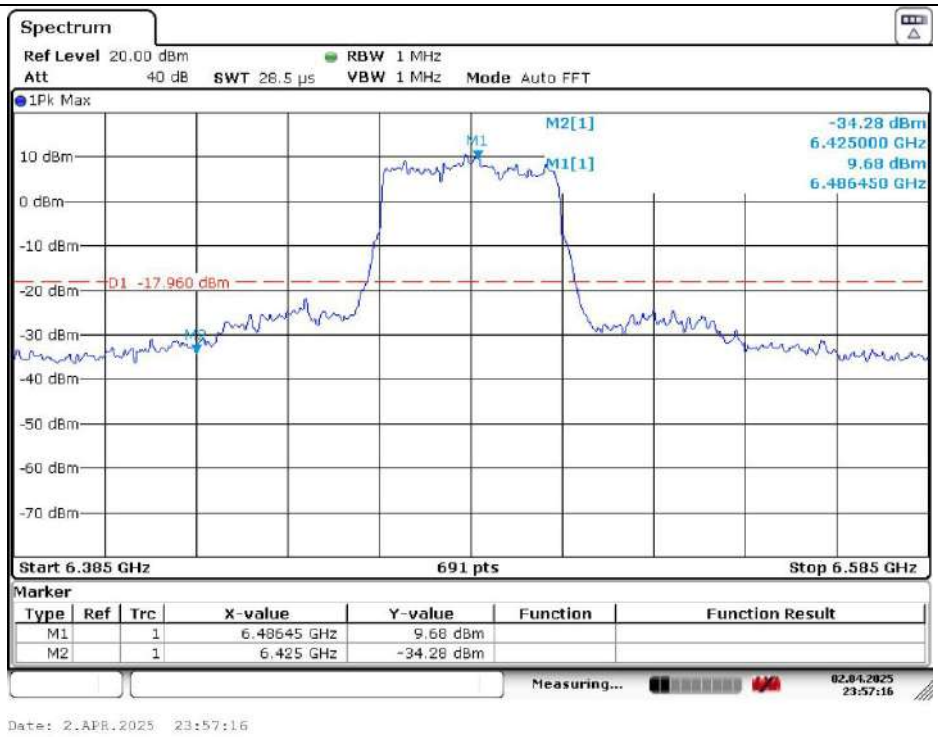
Channel 107: 6485MHz



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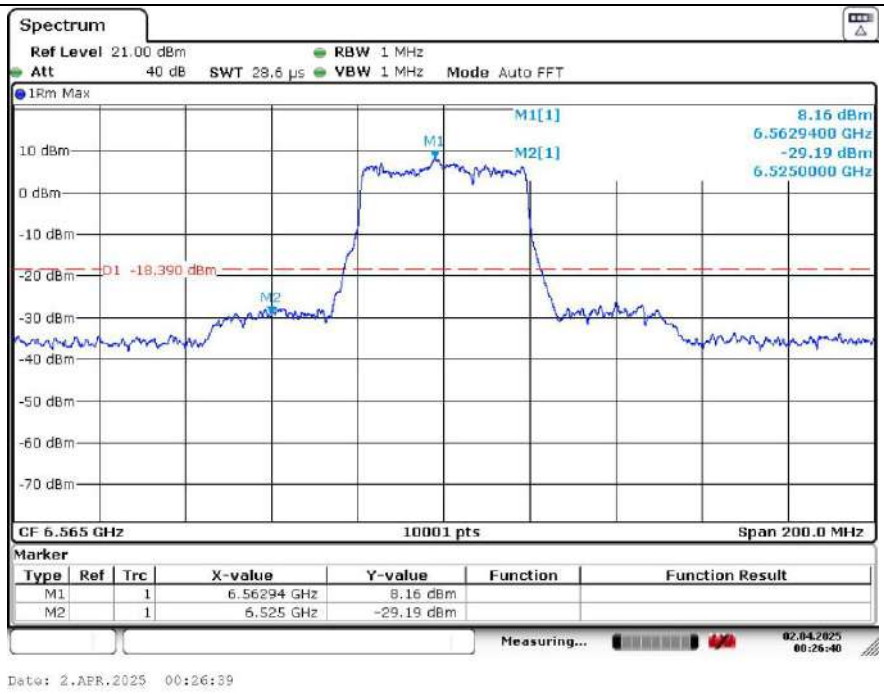
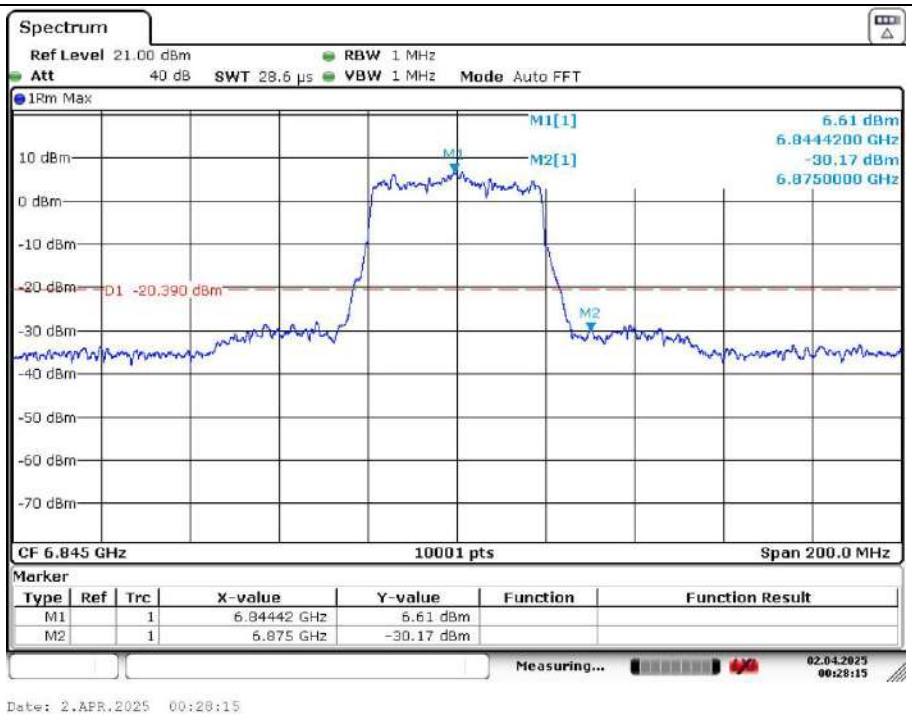
Channel 123: 6565MHz



Channel 179: 6845MHz



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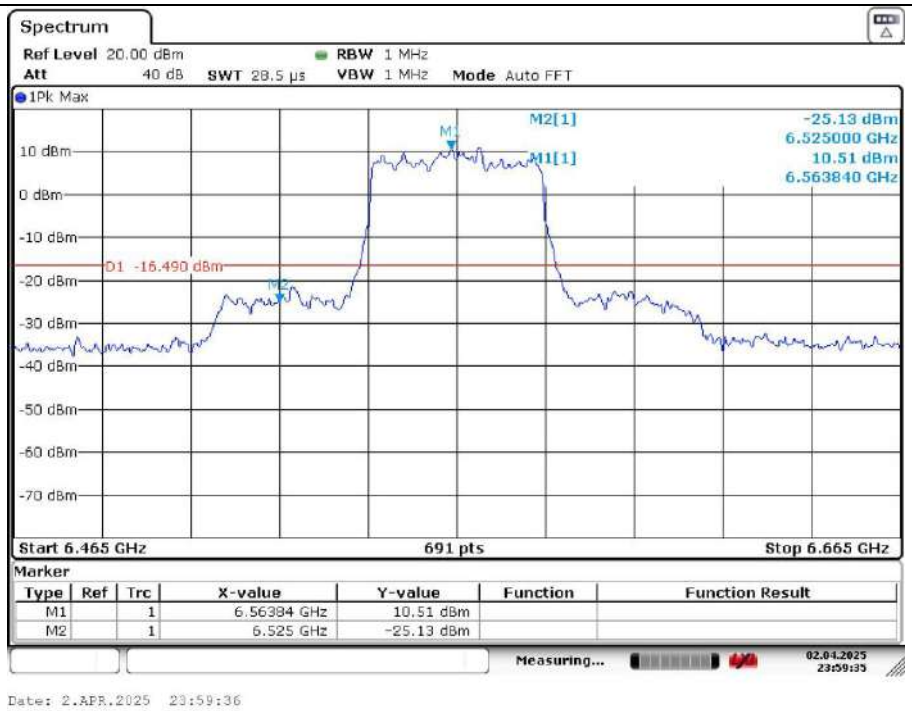
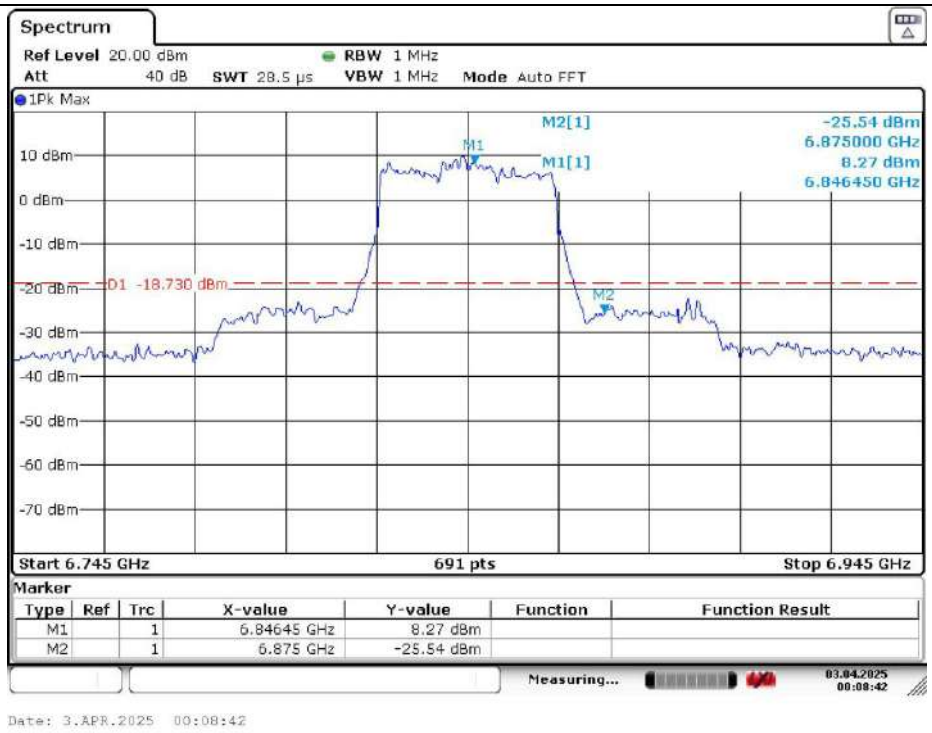
Channel 123: 6565MHz



Channel 179: 6845MHz



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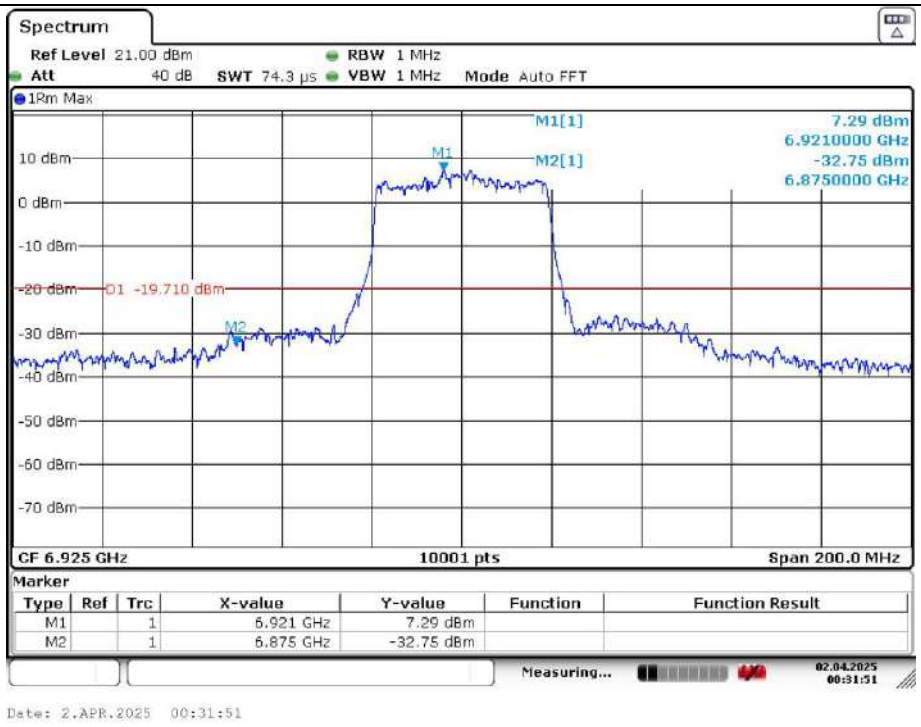
Channel 195: 6925MHz



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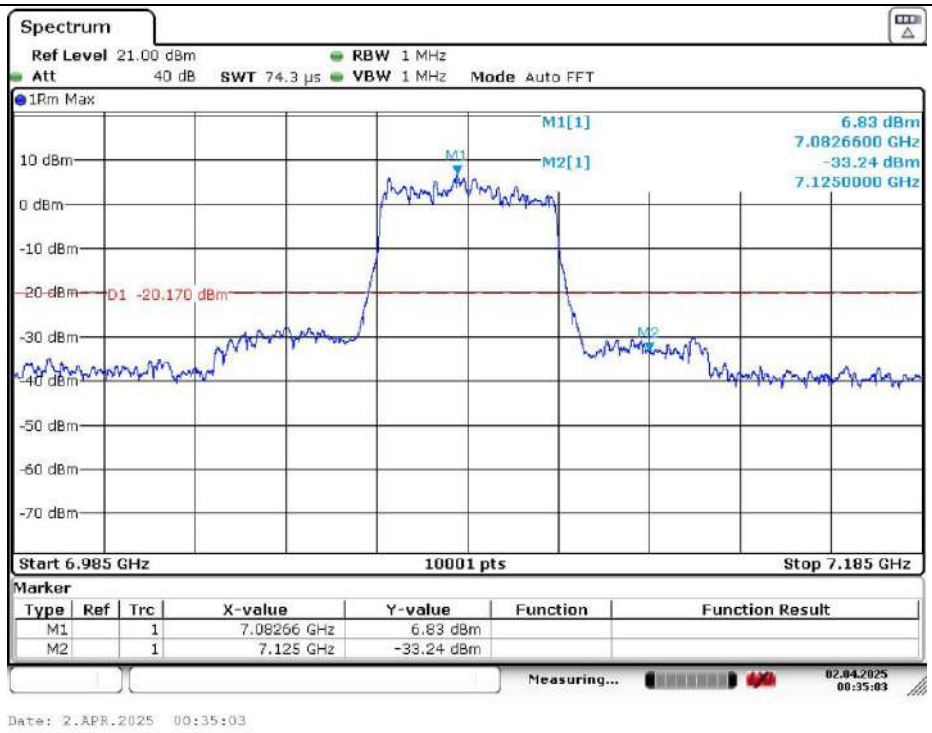
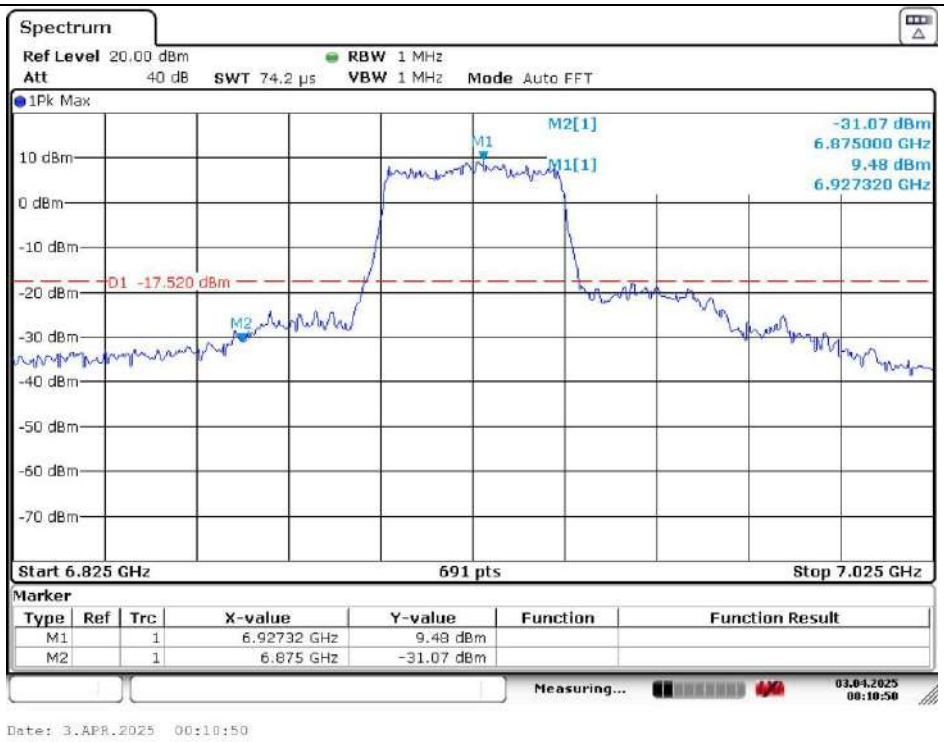
Channel 227: 7085MHz

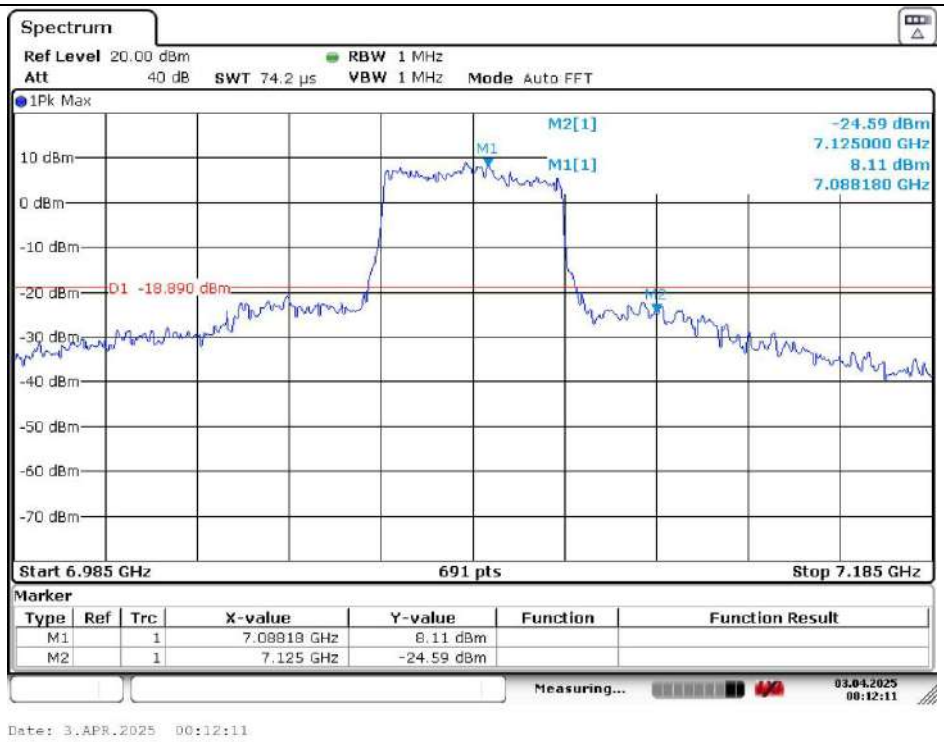


802.11be40

Channel 195: 6925MHz

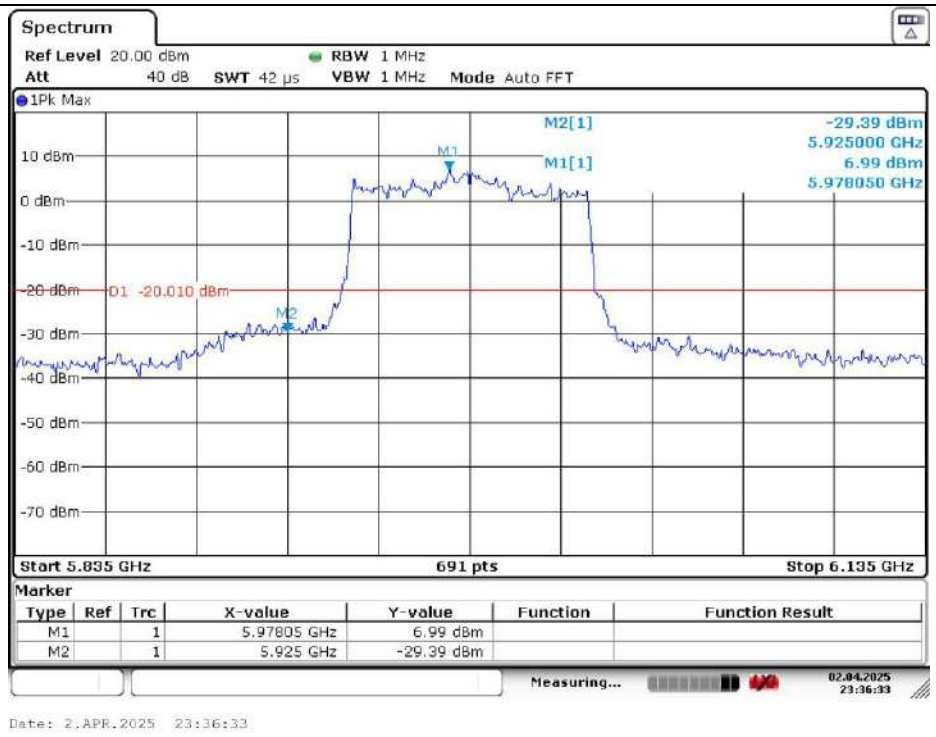


Channel 227: 7085MHz



802.11ax80

Channel 7: 5985MHz



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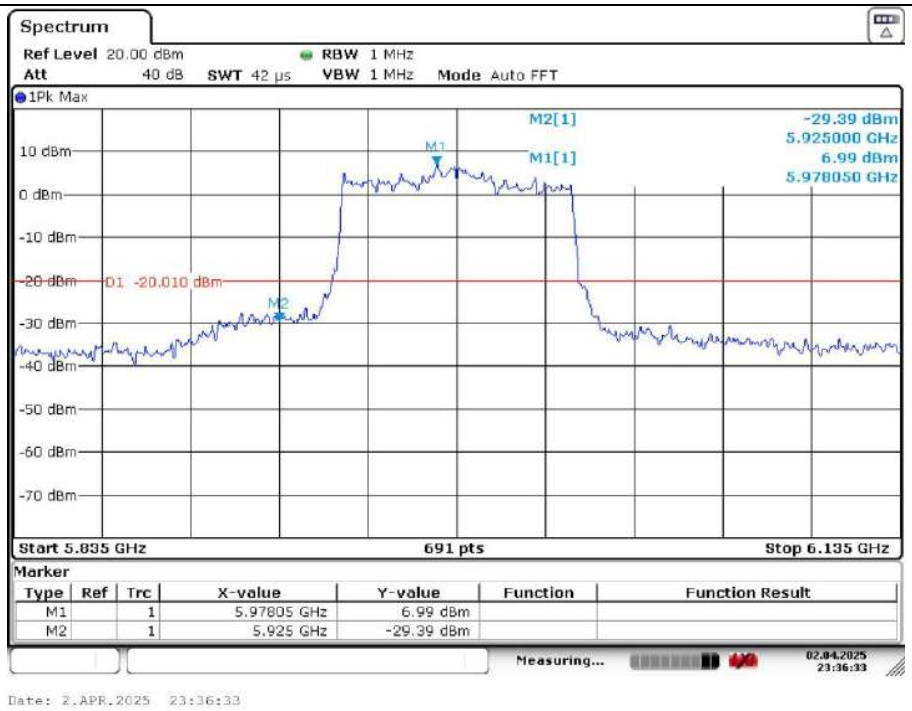
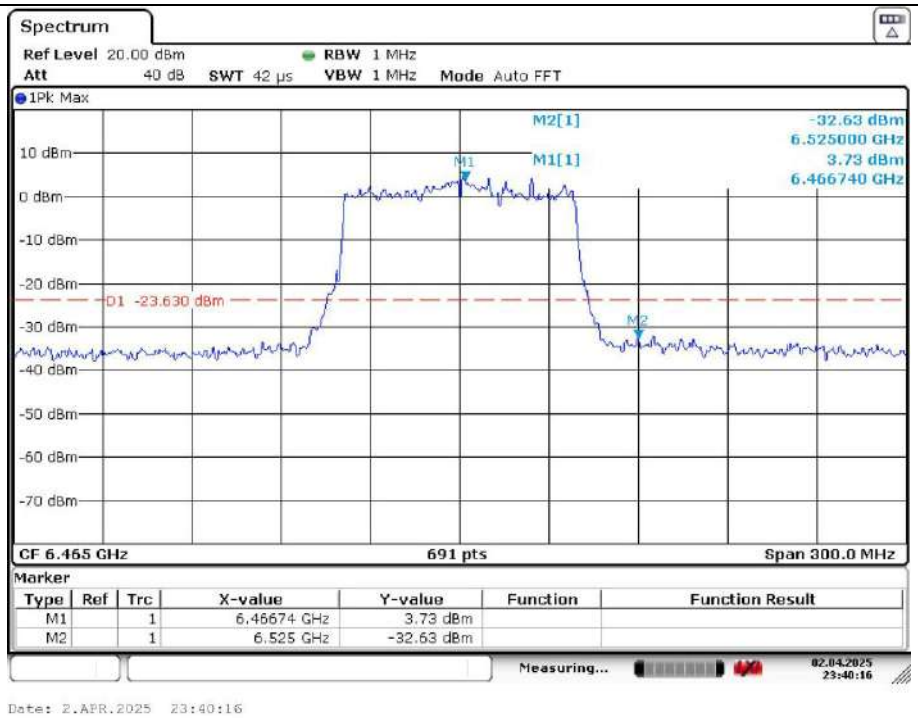
802.11be80

Channel 7: 5985MHz



802.11be80

Channel 103: 6465MHz



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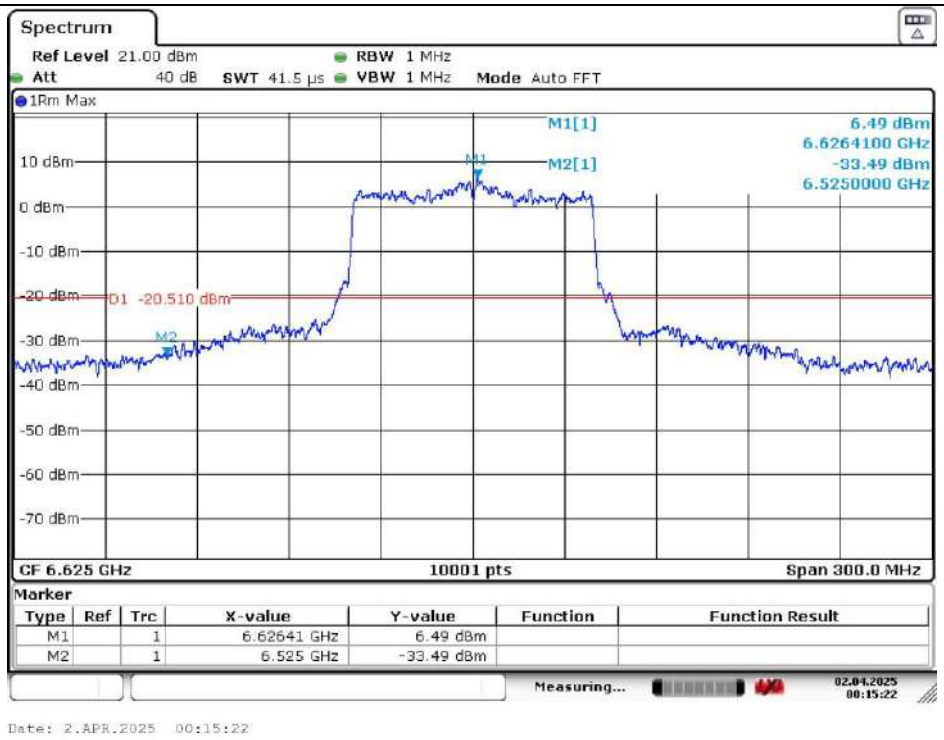
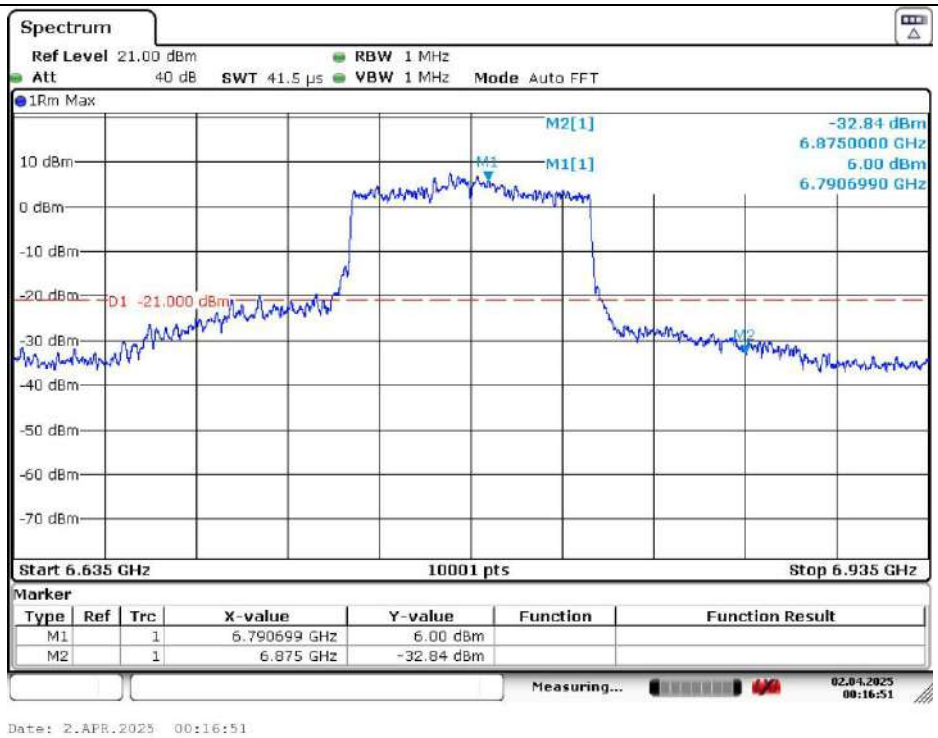
802.11ax80

Channel 135: 6625MHz

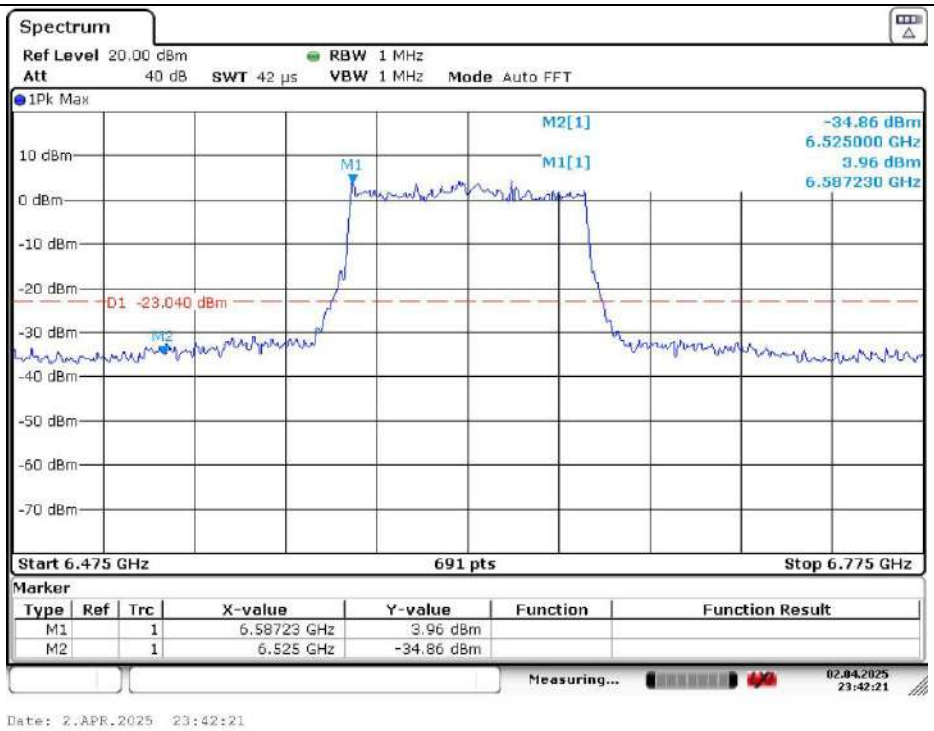


Channel 167: 6785MHz

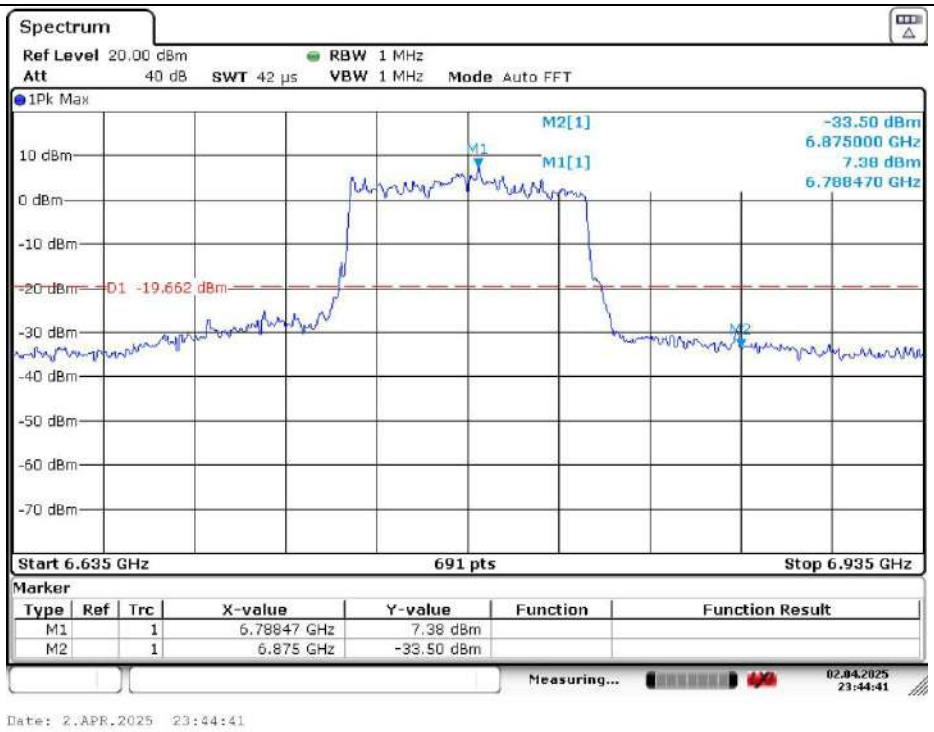


802.11be80

Channel 135: 6625MHz

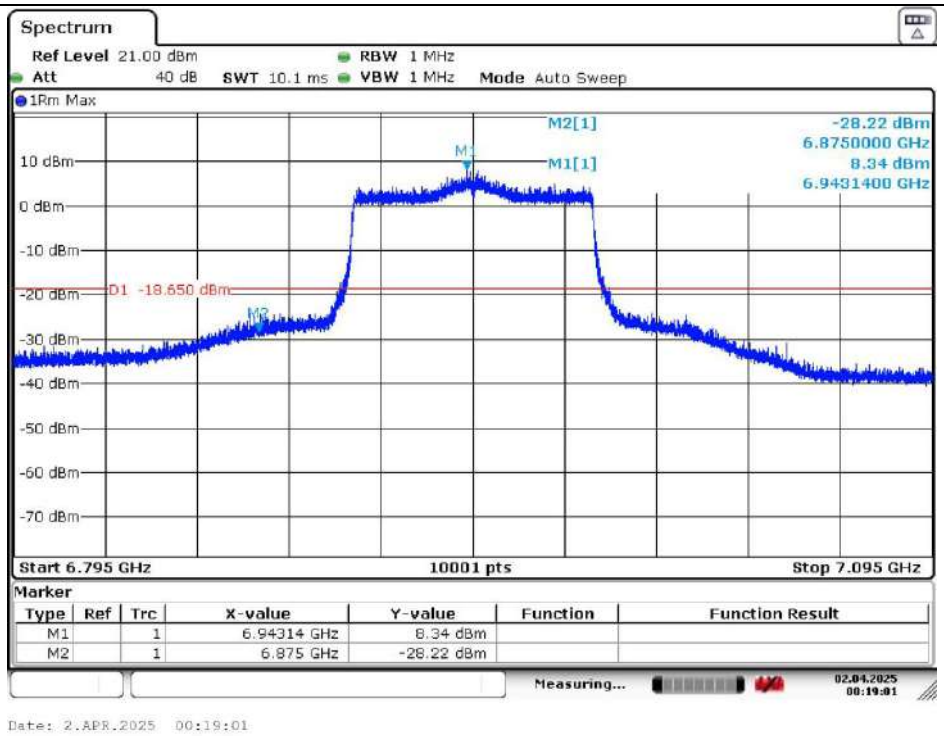


Channel 167: 6785MHz

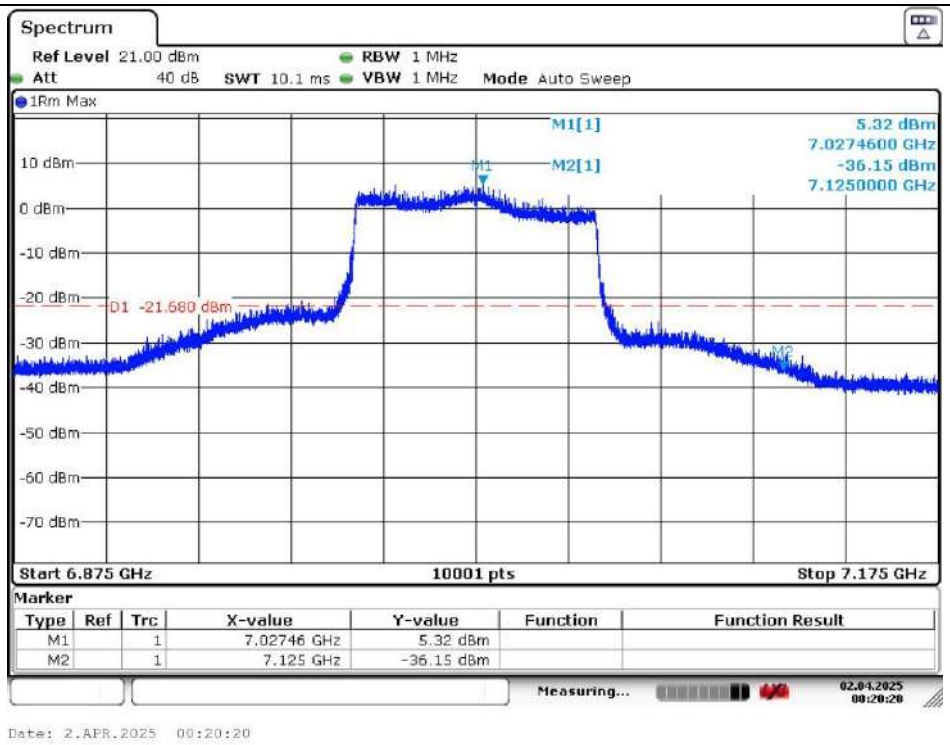


802.11ax80

Channel 199: 6945MHz

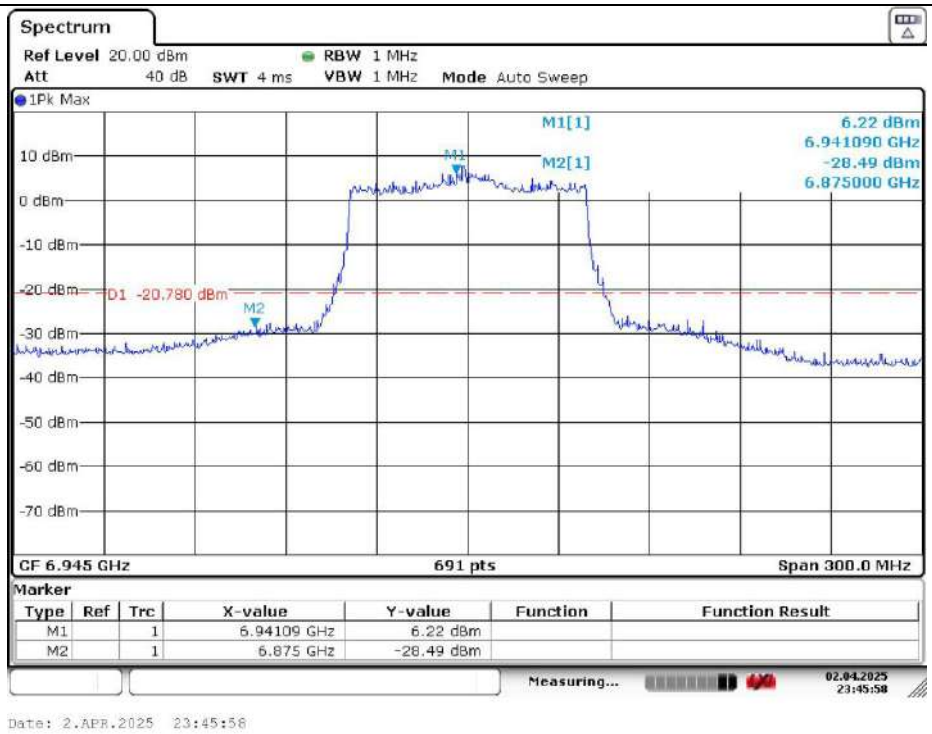


Channel 215: 7025MHz

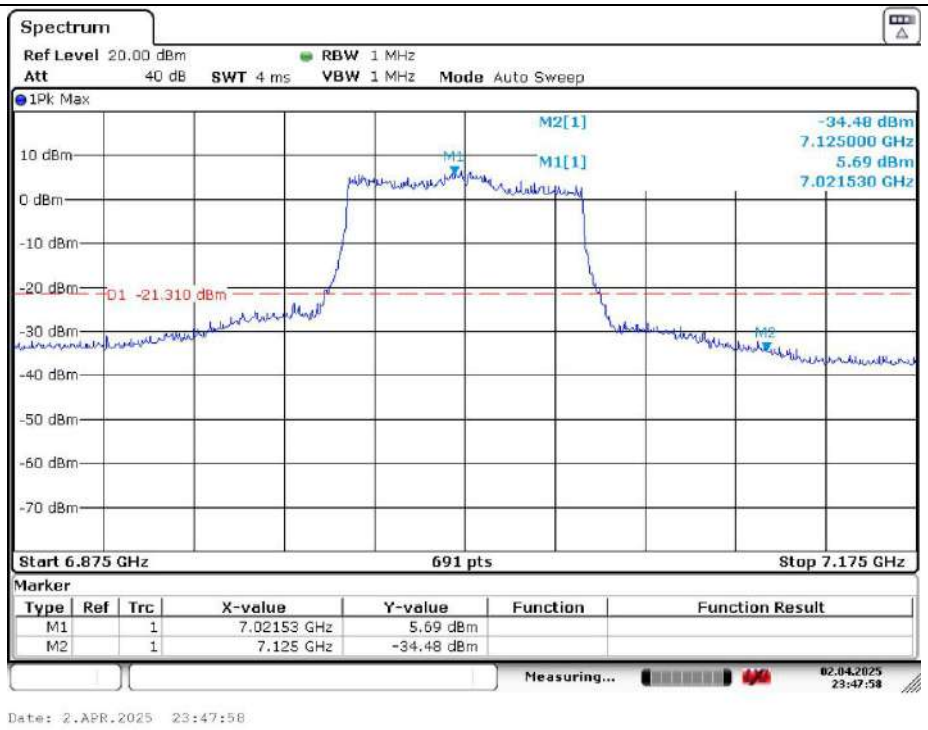


802.11be80

Channel 199: 6945MHz



Channel 215: 7025MHz



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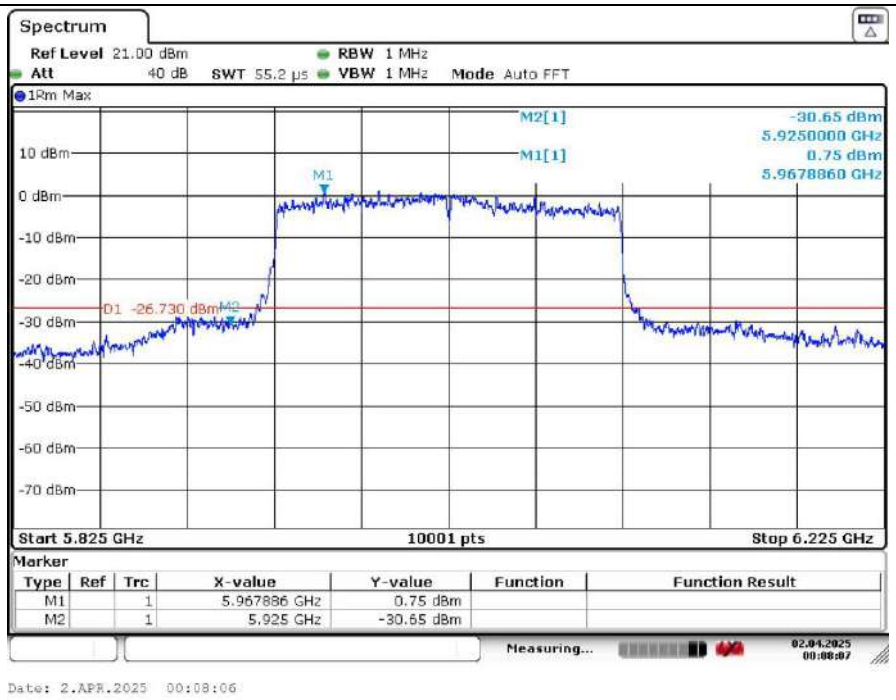
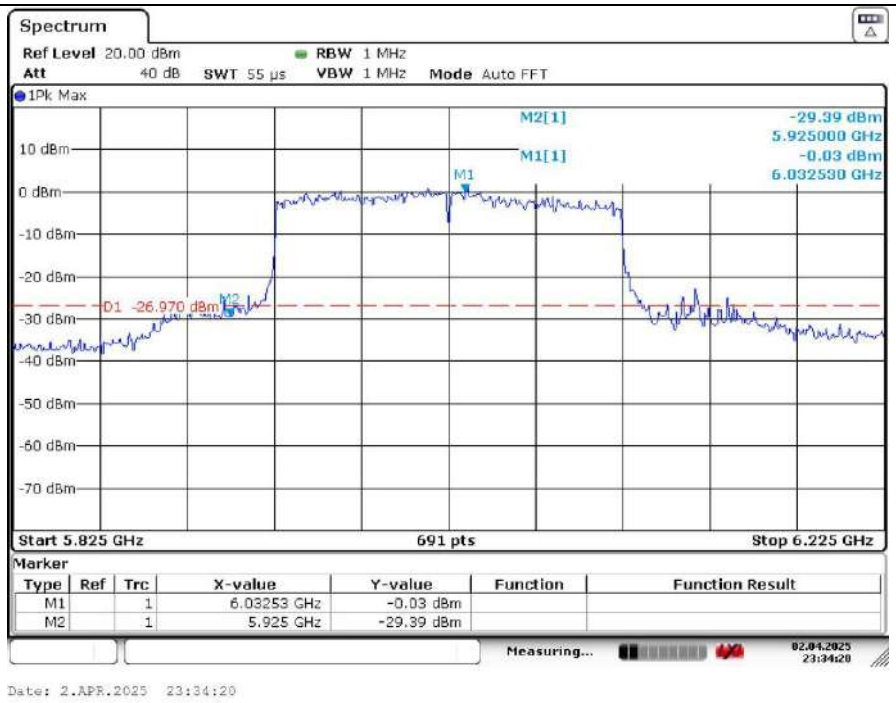
802.11ax160

Channel 15: 6025MHz



802.11be160

Channel 15: 6025MHz