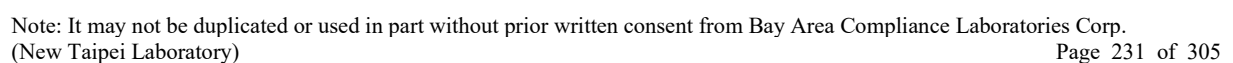
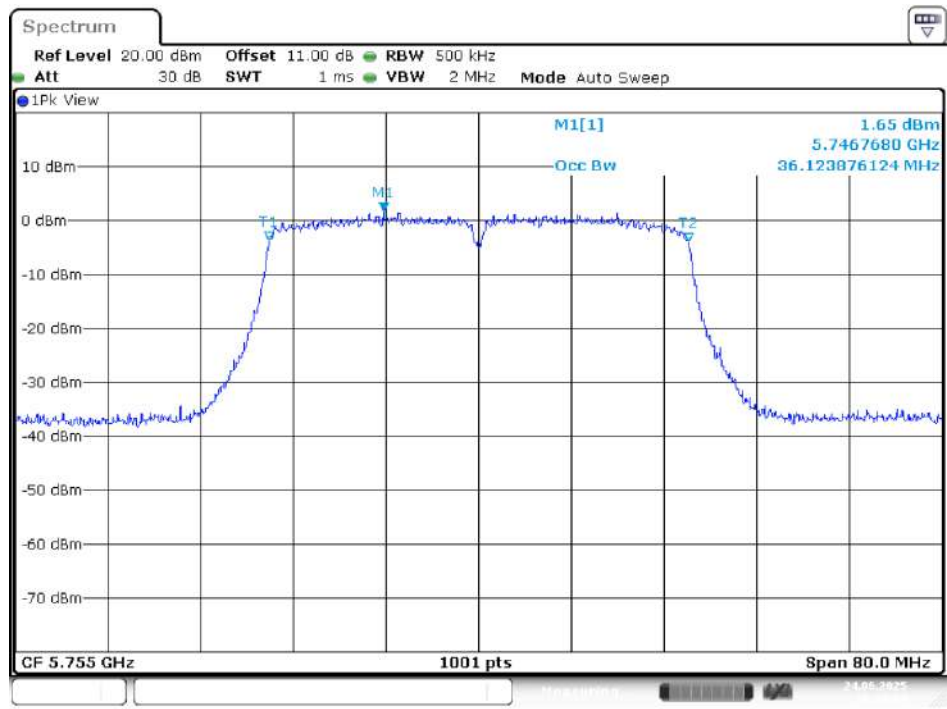


5190MHz



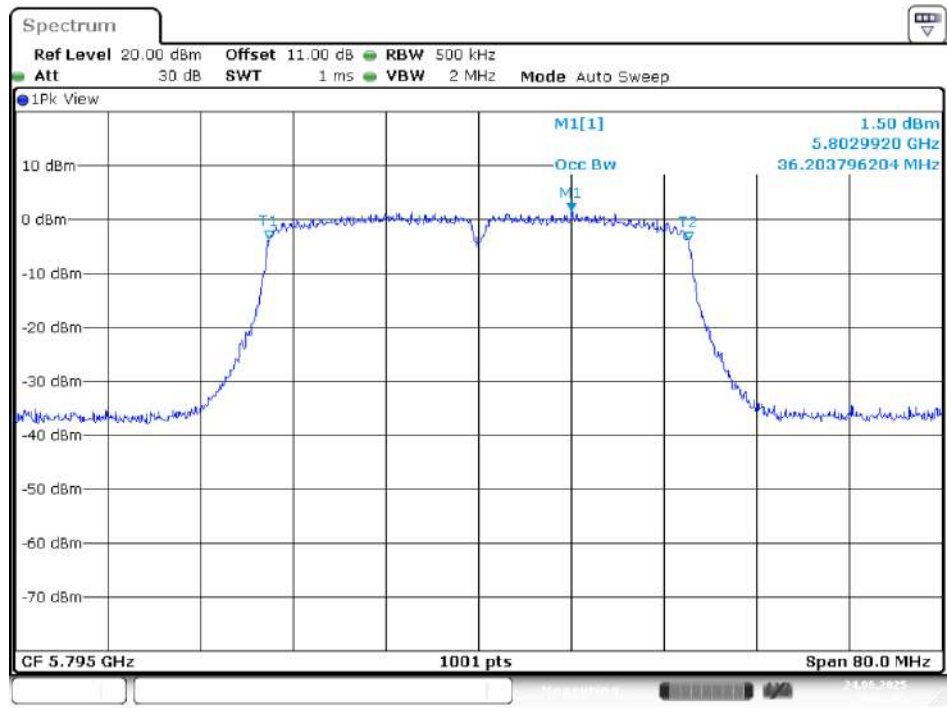
IEEE 802.11ac VHT40 Mode/5725~ 5850MHz

5755MHz



Date: 24.JUN.2025 18:18:54

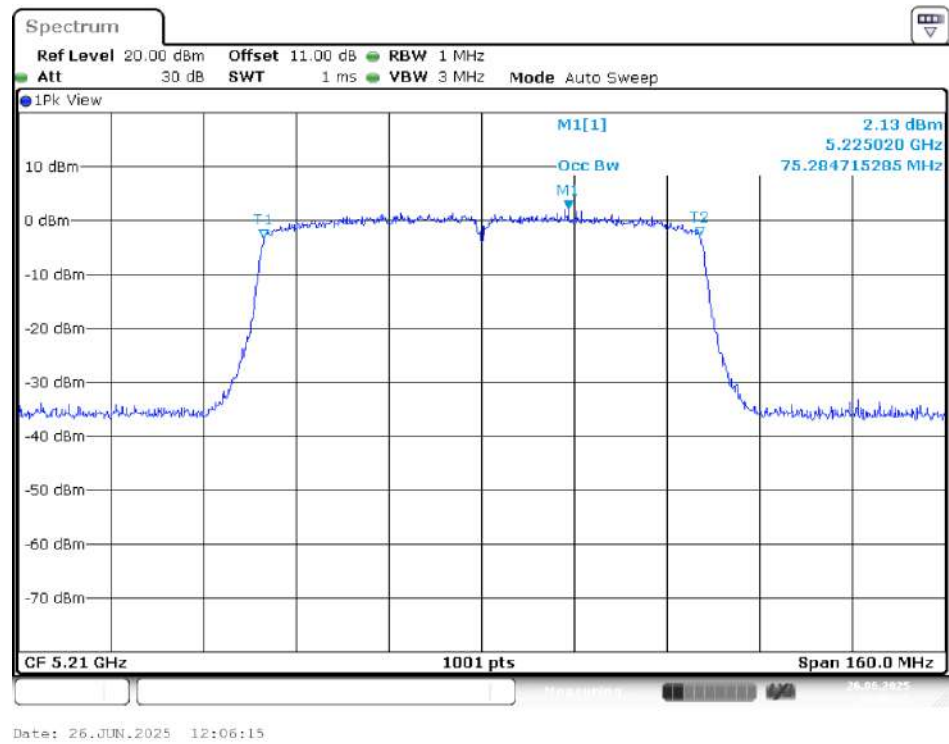
5795MHz



Date: 24.JUN.2025 18:21:06

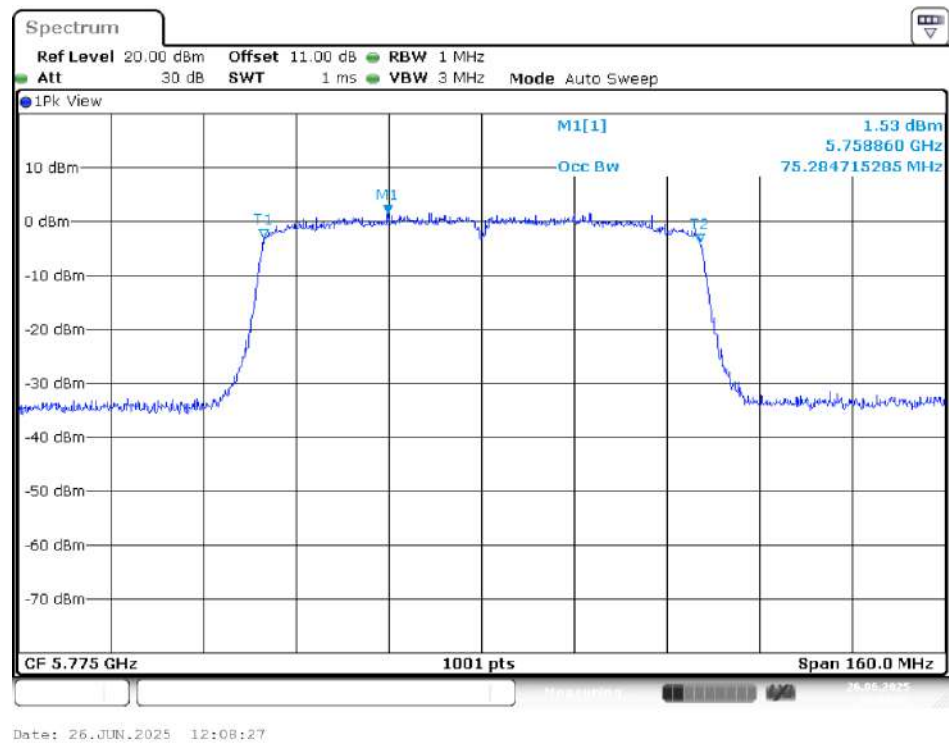
IEEE 802.11ac VHT80 Mode/5150~ 5250MHz

5210MHz



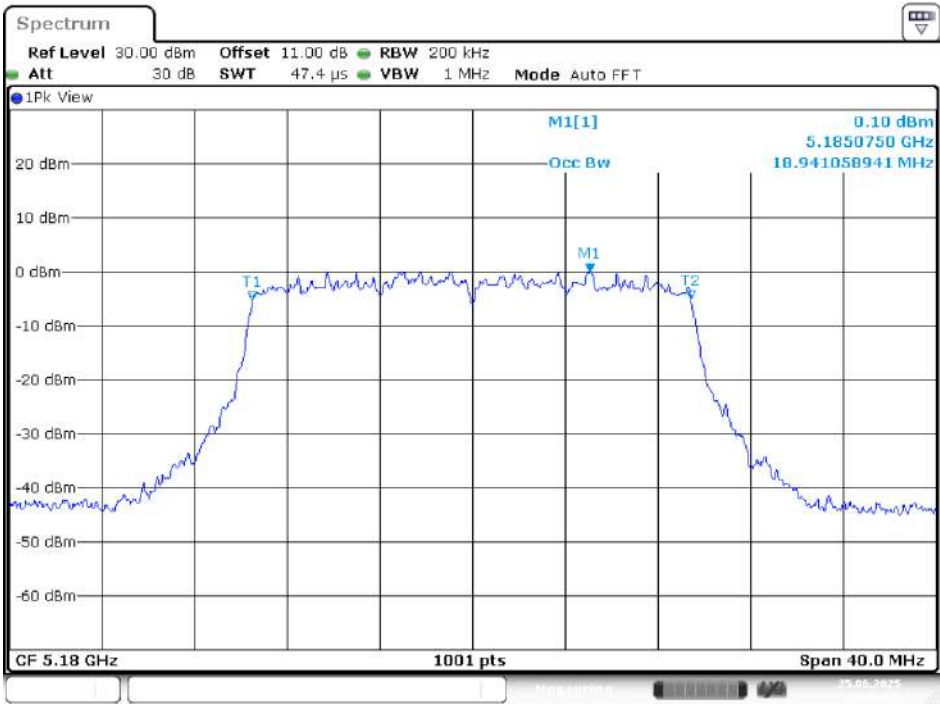
IEEE 802.11ac VHT80 Mode/5725~ 5850MHz

5775MHz



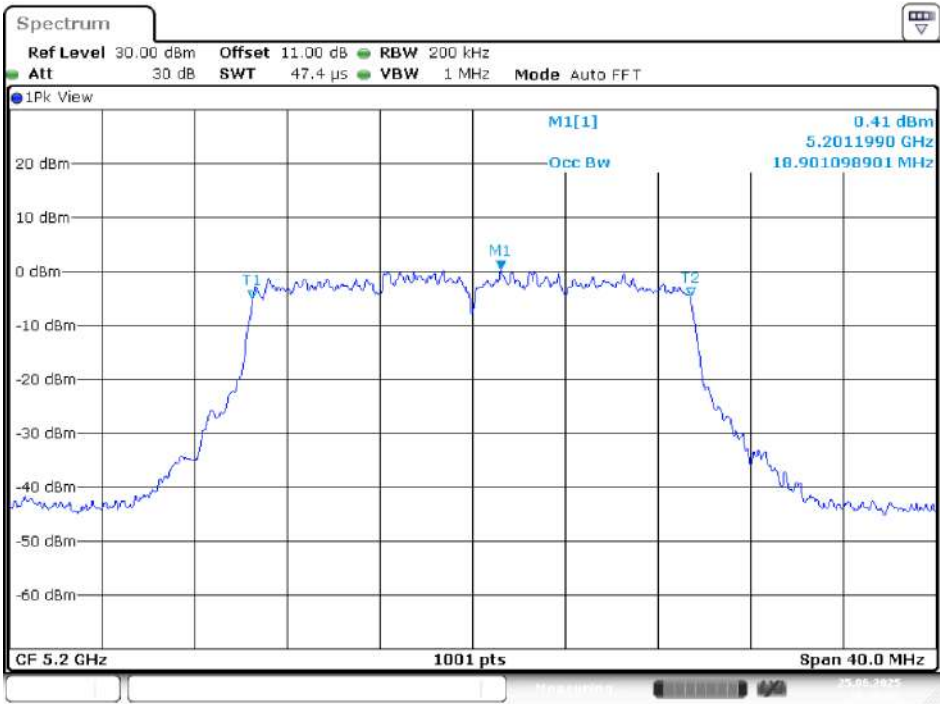
IEEE 802.11ax HE20 Mode/5150~ 5250MHz

5180MHz



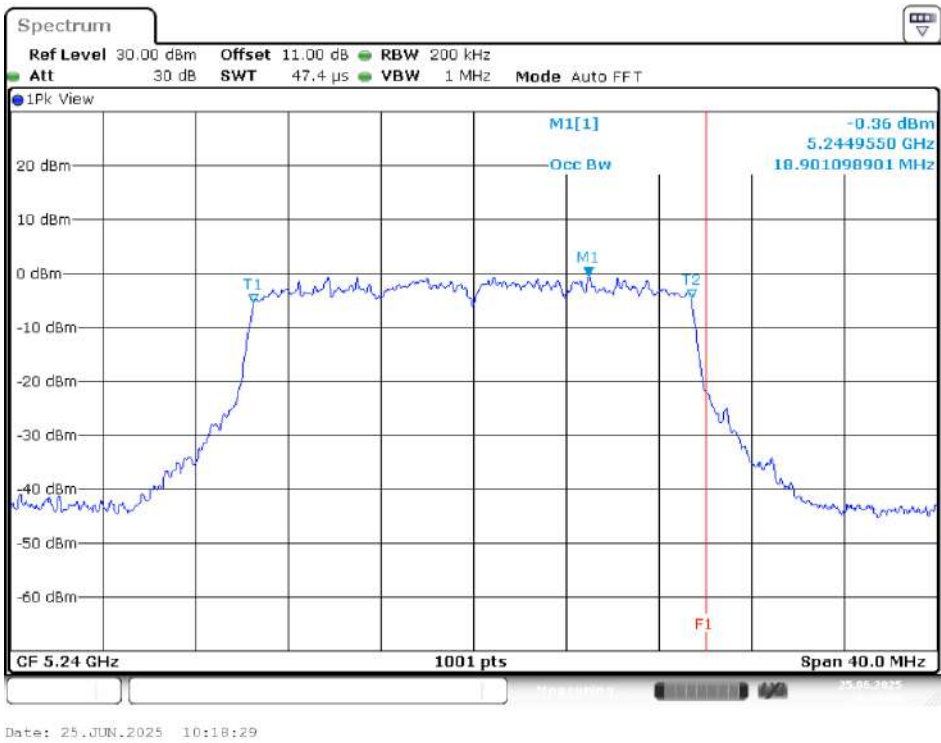
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5200MHz



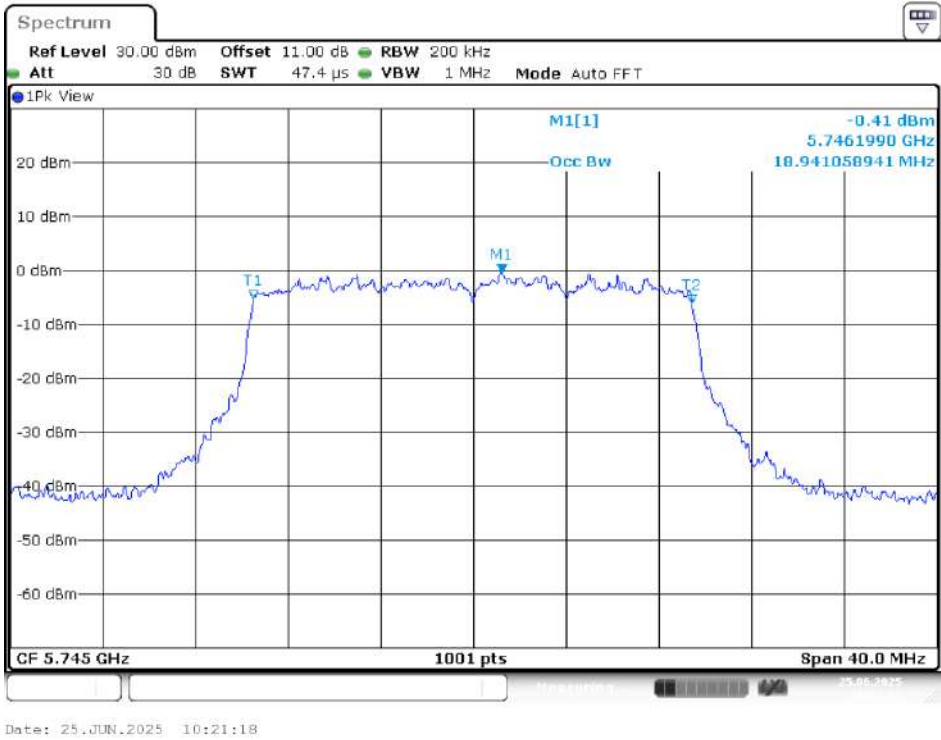
Date: 25.JUN.2025 10:16:28

5240MHz

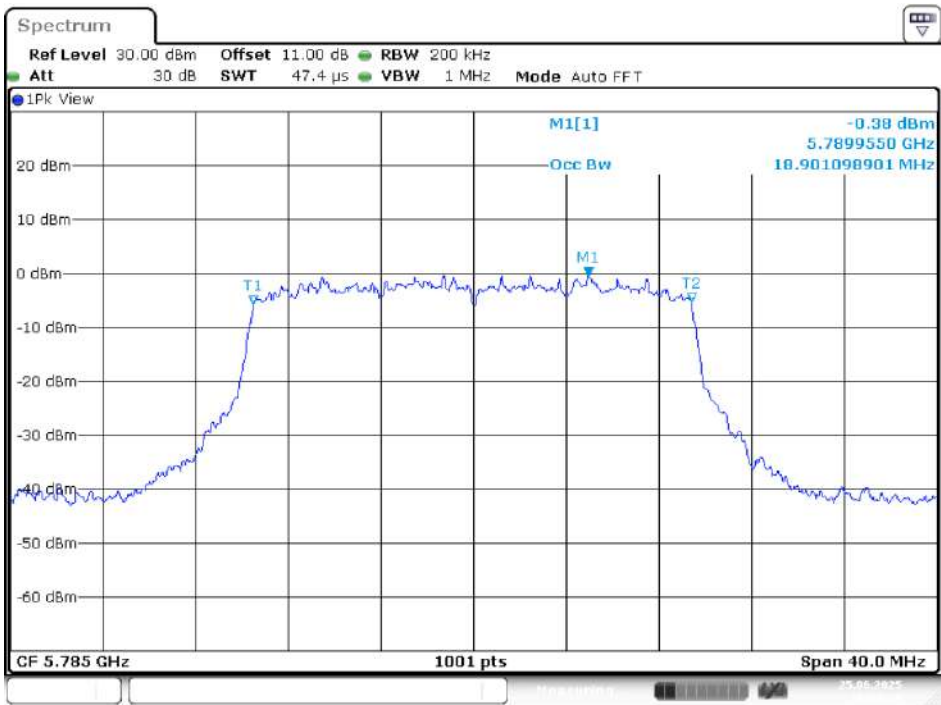


IEEE 802.11ax HE20 Mode/5725~ 5850MHz

5745MHz

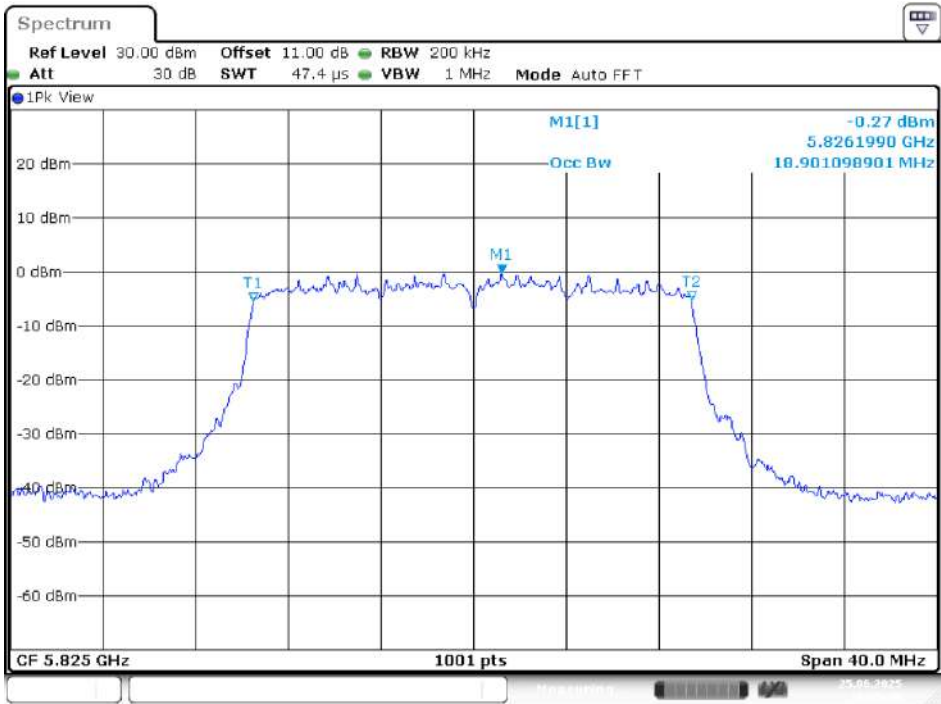


5785MHz



Date: 25.JUN.2025 10:23:20

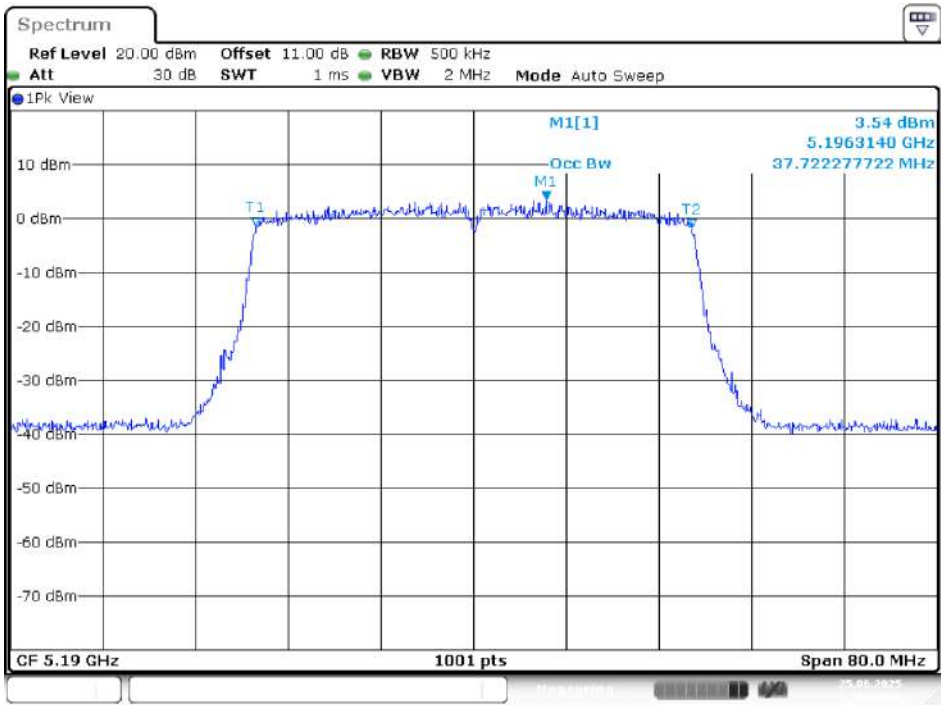
5825MHz



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

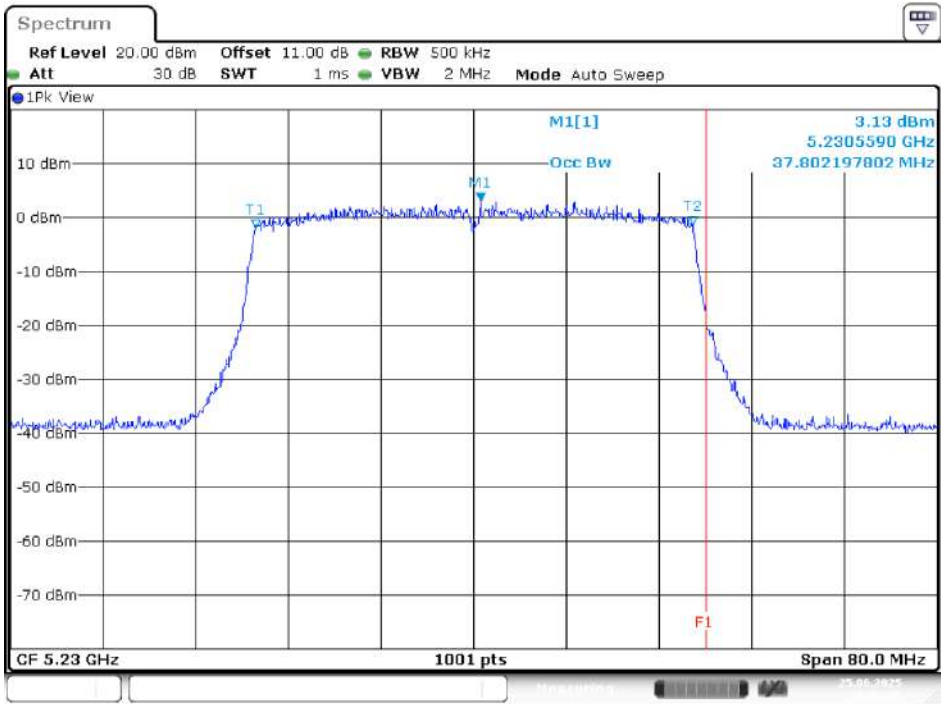
IEEE 802.11ax HE40 Mode/5150 ~ 5250MHz

5190MHz



Date: 25 JUN 2025 10:28:57

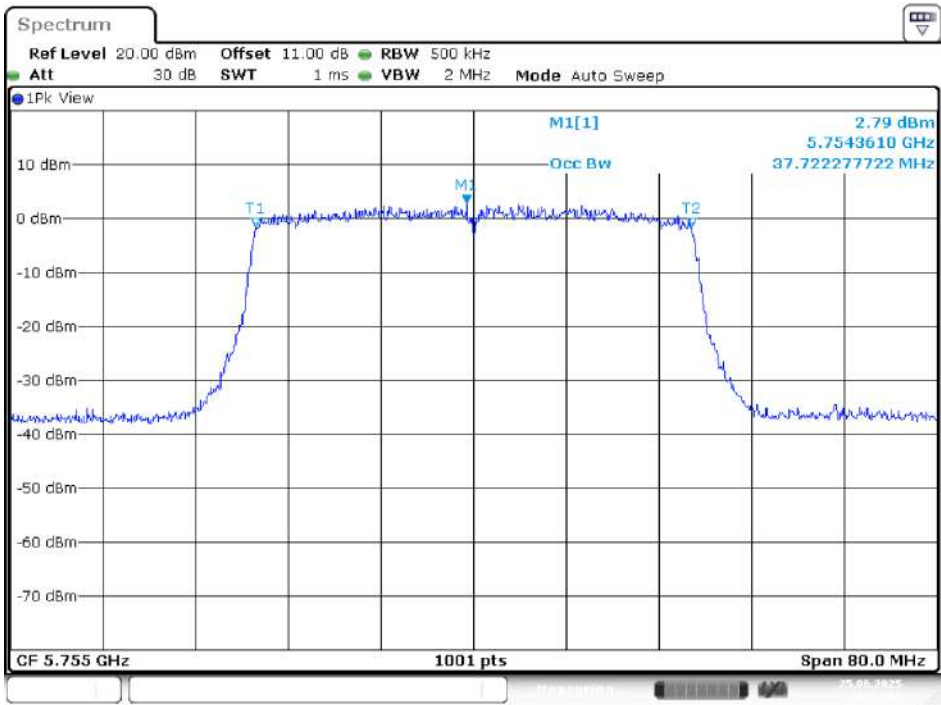
5230MHz



Date: 25 JUN 2025 10:32:46

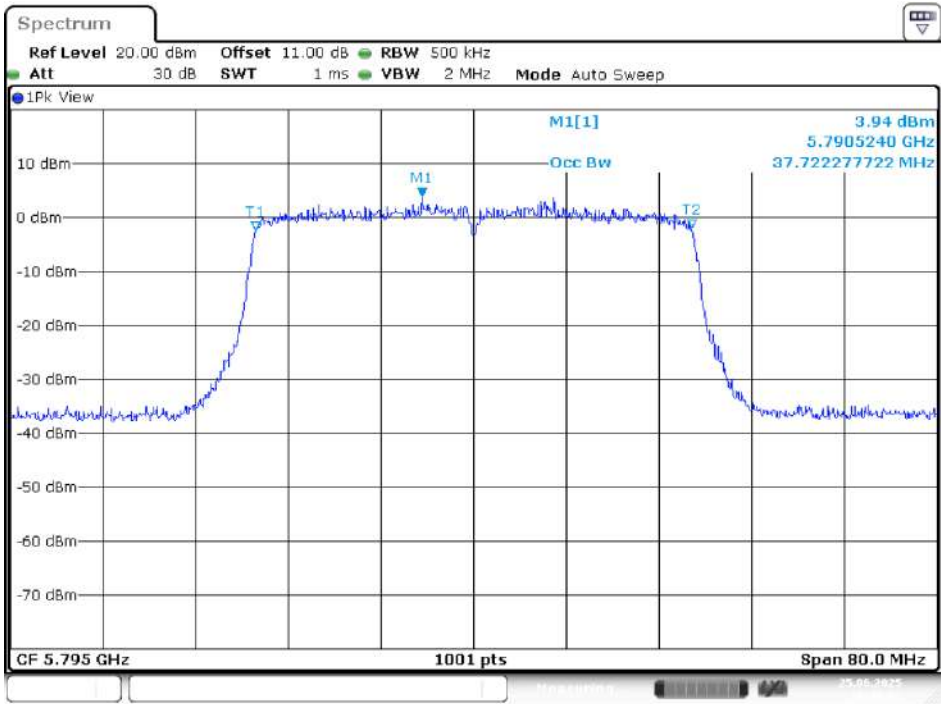
IEEE 802.11ax HE40 Mode/5725 ~ 5850MHz

5755MHz



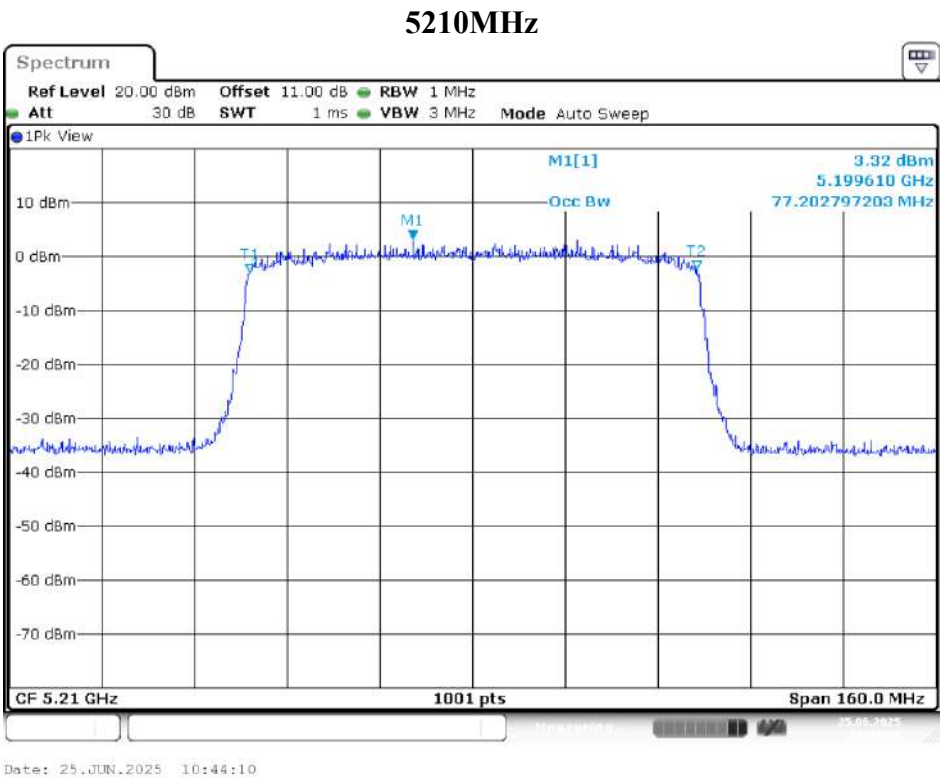
Date: 25.JUN.2025 10:37:53

5795MHz

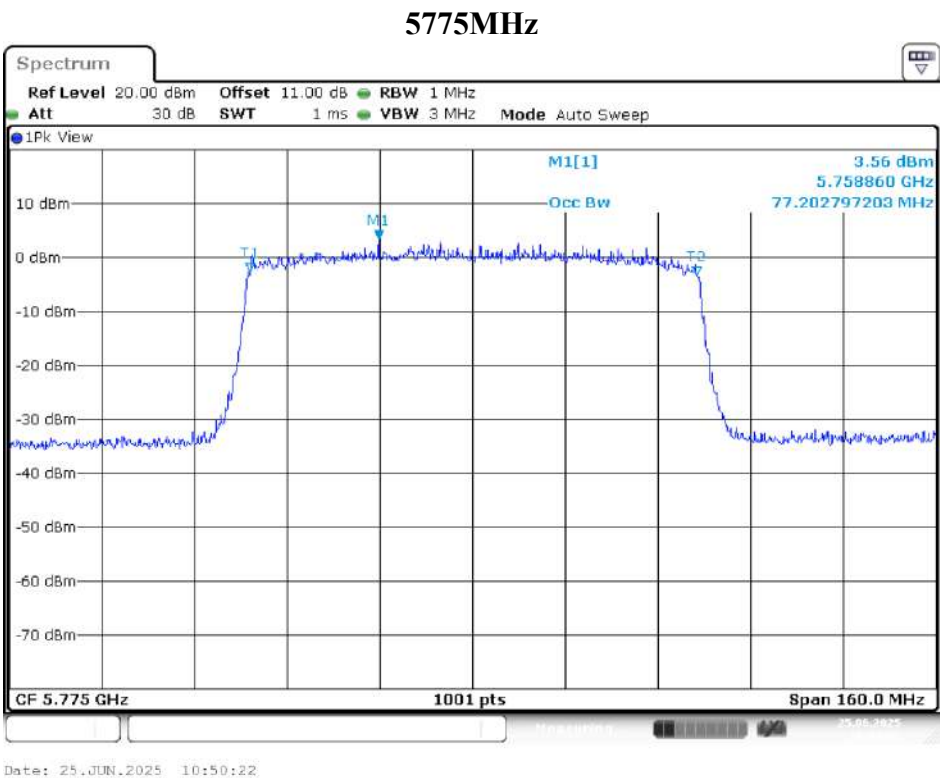


Date: 25.JUN.2025 10:40:54

IEEE 802.11ax HE80 Mode/5150 ~ 5250MHz



IEEE 802.11ax HE80 Mode/5725 ~ 5850MHz



10 FCC §15.407(a) & RSS-247 §6.2 – Maximum Output Power

10.1 Applicable Standard

According to FCC §15.407(a):

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

According to RSS-247 §6.2:

For the 5.15-5.25 GHz band

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

For the 5.725-5.85 GHz bands

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the

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maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint Footnote3 systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

10.2 Test Procedure

According to ANSI C63.10-2020 + Cor.1-2023, Section 12.4.3.1

The use Power Meter

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to a Power sensor.

10.3 Test Results

Test Mode: Transmitting

Beamforming

5150-5250MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)			Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	FCC Limit (dBm)		EIRP Power (dBm)	RSS-247 EIRP Limit (dBm)
			Chain 0	Chain 1	Total			master	client		
802.11ac VHT20	36	5180	8.16	8.41	11.30	0.32	11.62	28.18	22.18	19.44	22.44
	40	5200	8.50	8.78	11.65	0.32	11.97	28.18	22.18	19.79	22.45
	48	5240	8.31	8.55	11.44	0.32	11.76	28.18	22.18	19.58	22.43
802.11ac VHT40	38	5190	8.89	8.97	11.94	0.41	12.35	28.18	22.18	20.17	23
	46	5230	9.05	9.61	12.35	0.41	12.76	28.18	22.18	20.58	23
802.11ac VHT80	42	5210	8.37	8.77	11.58	0.27	11.85	28.18	22.18	19.67	23
802.11ax HE20	36	5180	8.48	8.73	11.62	0.27	11.89	28.18	22.18	19.71	22.76
	40	5200	8.49	8.92	11.72	0.27	11.99	28.18	22.18	19.81	22.77
	48	5240	8.24	8.51	11.39	0.27	11.66	28.18	22.18	19.48	22.76
802.11ax HE40	38	5190	8.55	8.78	11.68	0.32	12.00	28.18	22.18	19.82	23
	46	5230	8.73	8.99	11.87	0.32	12.19	28.18	22.18	20.01	23
802.11ax HE80	42	5210	8.41	8.75	11.59	0.32	11.91	28.18	22.18	19.73	23

Note: The device is a indoor access point/client device.

5725-5850MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)			Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	FCC / RSS-247 Limit (dBm)
			Chain 0	Chain 1	Total			
802.11ac VHT20	149	5745	8.18	8.29	11.25	0.32	11.57	26.82
	157	5785	8.12	8.32	11.23	0.32	11.55	26.82
	165	5825	8.33	8.71	11.53	0.32	11.85	26.82
802.11ac VHT40	151	5755	8.92	9.16	12.05	0.41	12.46	26.82
	159	5795	8.94	9.32	12.14	0.41	12.55	26.82
802.11ac VHT80	155	5775	8.46	8.69	11.59	0.27	11.86	26.82
802.11ax HE20	149	5745	8.28	8.37	11.34	0.27	11.61	26.82
	157	5785	8.05	8.46	11.27	0.27	11.54	26.82
	165	5825	8.33	8.69	11.52	0.27	11.79	26.82
802.11ax HE40	151	5755	8.63	8.91	11.78	0.32	12.10	26.82
	159	5795	8.68	8.89	11.80	0.32	12.12	26.82
802.11ax HE80	155	5775	8.37	8.78	11.59	0.32	11.91	26.82

According to FCC KDB 662911 D01 Multiple Transmitter Output v02r01, For Output Power measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dB.

For Beamforming mode:

Directional gain = $G_{\text{ANT}} + \text{Array Gain}$ = Band 1: 7.82 dBi , Band 4: 9.18 dBi

The Output Power Limits was reduce Band 1: 1.82 dB , Band 4: 3.18 dB

Non Beamforming

5150-5250MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)			Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	FCC Limit (dBm)		EIRP Power (dBm)	RSS-247 EIRP Limit (dBm)
			Chain 0	Chain 1	Total			master	client		
802.11a	36	5180	8.59	9.29	11.96	0.32	12.28	30	24	17.09	22.11
	40	5200	8.65	9.22	11.95	0.32	12.27	30	24	17.08	22.14
	48	5240	8.93	8.84	11.90	0.32	12.22	30	24	17.03	22.14
802.11ac VHT20	36	5180	8.43	8.88	11.67	0.32	11.99	30	24	16.80	22.45
	40	5200	8.55	8.74	11.66	0.32	11.98	30	24	16.79	22.43
	48	5240	8.29	8.38	11.35	0.32	11.67	30	24	16.48	22.45
802.11ac VHT40	38	5190	9.18	9.43	12.32	0.36	12.68	30	24	17.49	23
	46	5230	9.17	9.25	12.22	0.36	12.58	30	24	17.39	23
802.11ac VHT80	42	5210	8.81	8.67	11.75	0.27	12.02	30	24	16.83	23
802.11ax HE20	36	5180	8.47	8.81	11.65	0.22	11.87	30	24	16.68	22.77
	40	5200	8.22	8.76	11.51	0.22	11.73	30	24	16.54	22.75
	48	5240	8.48	8.41	11.46	0.22	11.68	30	24	16.49	22.76
802.11ax HE40	38	5190	8.49	9.11	11.82	0.27	12.09	30	24	16.90	23
	46	5230	8.82	8.79	11.82	0.27	12.09	30	24	16.90	23
802.11ax HE80	42	5210	8.67	8.65	11.67	0.27	11.94	30	24	16.75	23

Note: The device is a indoor access point/client device.
The maximum antenna gain is 4.81 dBi.

5725-5850MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)			Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	FCC / RSS-247 Limit (dBm)
			Chain 0	Chain 1	Total			
802.11a	149	5745	8.69	9.01	11.86	0.32	12.18	29.83
	157	5785	8.56	8.94	11.76	0.32	12.08	29.83
	165	5825	8.79	8.88	11.85	0.32	12.17	29.83
802.11ac VHT20	149	5745	8.27	8.51	11.40	0.32	11.72	29.83
	157	5785	8.11	8.47	11.30	0.32	11.62	29.83
	165	5825	8.33	8.43	11.39	0.32	11.71	29.83
802.11ac VHT40	151	5755	8.92	9.23	12.09	0.36	12.45	29.83
	159	5795	8.98	9.16	12.08	0.36	12.44	29.83
802.11ac VHT80	155	5775	8.52	8.69	11.62	0.27	11.89	29.83
802.11ax HE20	149	5745	8.18	8.53	11.37	0.22	11.59	29.83
	157	5785	8.07	8.43	11.26	0.22	11.48	29.83
	165	5825	8.33	8.42	11.39	0.22	11.61	29.83
802.11ax HE40	151	5755	8.61	8.92	11.78	0.27	12.05	29.83
	159	5795	8.66	8.84	11.76	0.27	12.03	29.83
802.11ax HE80	155	5775	8.42	8.64	11.54	0.27	11.81	29.83

Note: The maximum antenna gain is 6.17 dBi.

The Conducted Average Output Power Limits was reduce 0.17 dB

11 FCC §15.407(a) & RSS-247 §6.2 – Power Spectral Density

11.1 Applicable Standard

According to FCC §15.407(a):

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

According to RSS-247 §6.2:

For the 5.15-5.25 GHz band

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

For the 5.725-5.85 GHz bands

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint Footnote3 systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

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11.2 Test Procedure

The measurements are base on FCC KDB 789033 D02 General UNII Test Proceidyres New Rules v02r01:

Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices

section F: Maximum power spectral density.

Duty cycle <98%, duty cycle variations are less than $\pm 2\%$

Method SA-2 was used.

11.3 Test Results

Test Mode: Transmitting

Beamforming

5150-5250MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	Limit (dBm/MHz)		RSS-247 EIRP Power Spectral Density (dBm/MHz)	
			Chain 0	Chain 1	Total			master	client	Result	Limit
802.11ac 20	36	5180	-2.41	-2.71	0.45	0.32	0.77	15.18	9.18	8.59	10
	40	5200	-2.05	-2.44	0.77	0.32	1.09	15.18	9.18	8.91	10
	48	5240	-2.78	-2.72	0.26	0.32	0.58	15.18	9.18	8.40	10
802.11ac 40	38	5190	-4.87	-4.96	-1.90	0.41	-1.49	15.18	9.18	6.33	10
	46	5230	-4.54	-4.96	-1.73	0.41	-1.32	15.18	9.18	6.50	10
802.11ac 80	42	5210	-8.05	-8.41	-5.22	0.27	-4.95	15.18	9.18	2.87	10
802.11ax 20	36	5180	-2.92	-3.03	0.04	0.27	0.31	15.18	9.18	8.13	10
	40	5200	-2.33	-2.65	0.52	0.27	0.79	15.18	9.18	8.61	10
	48	5240	-2.87	-2.86	0.15	0.27	0.42	15.18	9.18	8.24	10
802.11ax 40	38	5190	-4.92	-5.08	-1.99	0.32	-1.67	15.18	9.18	6.15	10
	46	5230	-5.08	-5.31	-2.18	0.32	-1.86	15.18	9.18	5.96	10
802.11ax 80	42	5210	-7.75	-8.36	-5.03	0.32	-4.71	15.18	9.18	3.11	10

Note: The device is a indoor access point/client device.

5725-5850MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/500kHz)			Duty Factor (dB)	Power Spectral Density with duty factor (dBm/500kHz)	Limit (dBm/500kHz)
			Chain 0	Chain 1	Total			
802.11ac 20	149	5745	-6.16	-5.78	-2.96	0.32	-2.64	26.82
	157	5785	-6.37	-5.72	-3.02	0.32	-2.70	26.82
	165	5825	-6.22	-5.58	-2.88	0.32	-2.56	26.82
802.11ac 40	151	5755	-8.55	-8.09	-5.30	0.41	-4.89	26.82
	159	5795	-8.53	-7.86	-5.17	0.41	-4.76	26.82
802.11ac 80	155	5775	-12.02	-11.31	-8.64	0.27	-8.37	26.82
802.11ax 20	149	5745	-6.40	-5.97	-3.17	0.27	-2.90	26.82
	157	5785	-6.56	-5.71	-3.10	0.27	-2.83	26.82
	165	5825	-6.42	-5.99	-3.19	0.27	-2.92	26.82
802.11ax 40	151	5755	-8.97	-8.26	-5.59	0.32	-5.27	26.82
	159	5795	-8.78	-8.15	-5.44	0.32	-5.12	26.82
802.11ax 80	155	5775	-12.03	-11.12	-8.54	0.32	-8.22	26.82

Non Beamforming**5150-5250MHz**

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	Limit (dBm/MHz)		RSS-247 EIRP Power Spectral Density (dBm/MHz)	
			Chain 0	Chain 1	Total			master	client	Result	Limit
802.11a	36	5180	-1.23	-1.45	1.67	0.32	1.99	15.18	9.18	6.80	10
	40	5200	-1.17	-1.60	1.63	0.32	1.95	15.18	9.18	6.76	10
	48	5240	-1.38	-1.81	1.42	0.32	1.74	15.18	9.18	6.55	10
802.11ac 20	36	5180	-1.43	-2.13	1.24	0.32	1.56	15.18	9.18	6.37	10
	40	5200	-1.93	-2.27	0.91	0.32	1.23	15.18	9.18	6.04	10
	48	5240	-1.41	-2.66	1.02	0.32	1.34	15.18	9.18	6.15	10
802.11ac 40	38	5190	-3.86	-4.69	-1.24	0.36	-0.88	15.18	9.18	3.93	10
	46	5230	-3.79	-5.02	-1.35	0.36	-0.99	15.18	9.18	3.82	10
802.11ac 80	42	5210	-7.06	-8.33	-4.64	0.27	-4.37	15.18	9.18	0.44	10
802.11ax 20	36	5180	-1.67	-2.67	0.87	0.22	1.09	15.18	9.18	5.90	10
	40	5200	-2.19	-2.90	0.48	0.22	0.70	15.18	9.18	5.51	10
	48	5240	-1.74	-2.94	0.71	0.22	0.93	15.18	9.18	5.74	10
802.11ax 40	38	5190	-4.43	-5.11	-1.75	0.27	-1.48	15.18	9.18	3.33	10
	46	5230	-4.49	-5.58	-1.99	0.27	-1.72	15.18	9.18	3.09	10
802.11ax 80	42	5210	-7.63	-8.53	-5.05	0.27	-4.78	15.18	9.18	0.03	10

Note: The device is a indoor access point/client device.

5725-5850MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1	Total			
802.11a	149	5745	-5.15	-4.91	-2.02	0.32	-1.70	26.82
	157	5785	-5.19	-4.46	-1.80	0.32	-1.48	26.82
	165	5825	-4.92	-4.84	-1.87	0.32	-1.55	26.82
802.11ac 20	149	5745	-5.86	-5.56	-2.70	0.32	-2.38	26.82
	157	5785	-5.91	-5.45	-2.66	0.32	-2.34	26.82
	165	5825	-5.44	-5.56	-2.49	0.32	-2.17	26.82
802.11ac 40	151	5755	-8.09	-7.72	-7.72	0.36	-7.36	26.82
	159	5795	-8.00	-7.82	-4.90	0.36	-4.54	26.82
802.11ac 80	155	5775	-11.53	-11.37	-8.44	0.27	-8.17	26.82
802.11ax 20	149	5745	-6.16	-5.68	-2.90	0.22	-2.68	26.82
	157	5785	-6.22	-5.88	-3.04	0.22	-2.82	26.82
	165	5825	-5.94	-6.04	-2.98	0.22	-2.76	26.82
802.11ax 40	151	5755	-8.63	-8.19	-5.39	0.27	-5.12	26.82
	159	5795	-8.80	-8.72	-5.75	0.27	-5.48	26.82
802.11ax 80	155	5775	-11.71	-11.31	-8.50	0.27	-8.23	26.82

According to FCC KDB 662911 D01 Multiple Transmitter Output v02r01, For Power spectral density measurements on the devices:

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

Directional gain = G_{ANT} + Array Gain = Band 1: 7.82 dBi , Band 4: 9.18 dBi

The Power spectral density Limits was reduce Band 1: 1.82 dB , Band 4: 3.18 dB

Please refer to the following plots

Beamforming

UNII-1 Band I / PSD

IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz (Chain 0)

5180MHz



5200MHz



5240MHz

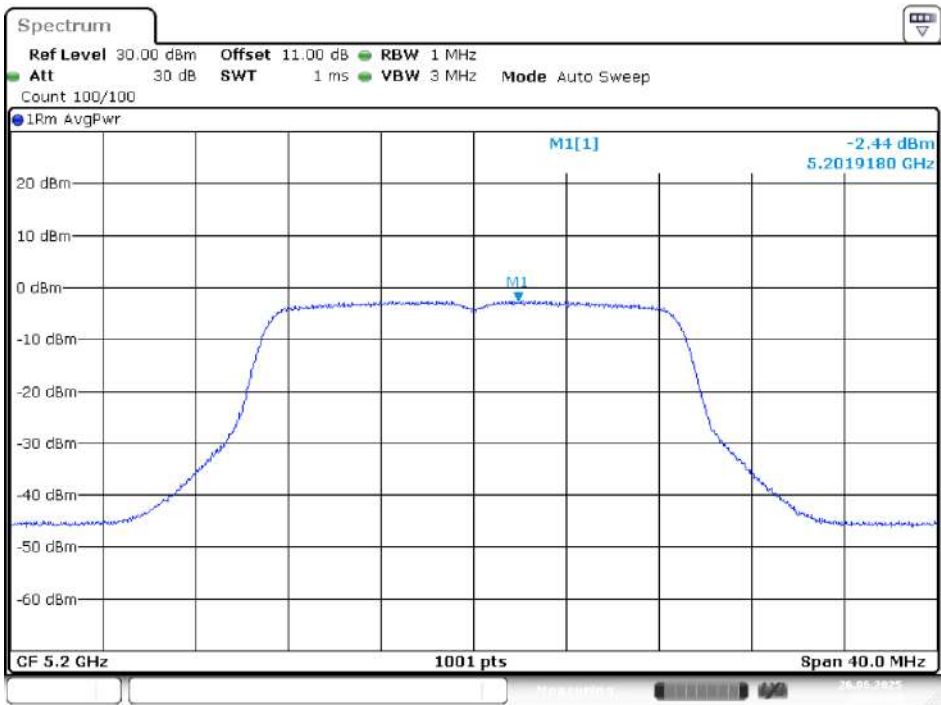


IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz (Chain 1)

5180MHz



5200MHz



Date: 26.JUN.2025 09:20:25

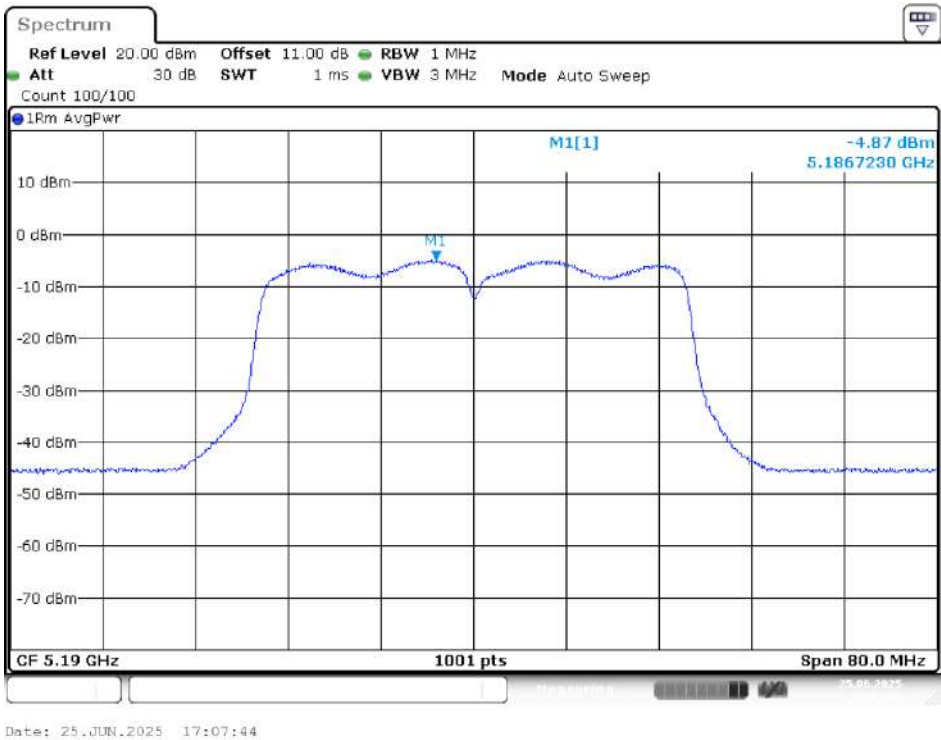
5240MHz



Date: 26.JUN.2025 09:41:53

IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz (Chain 0)

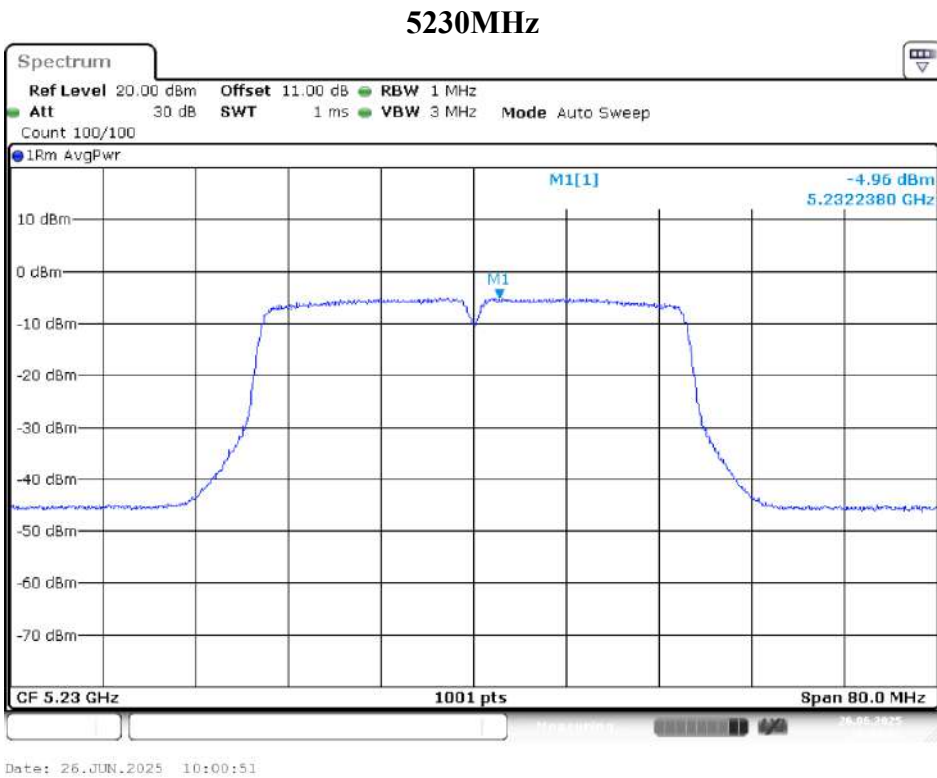
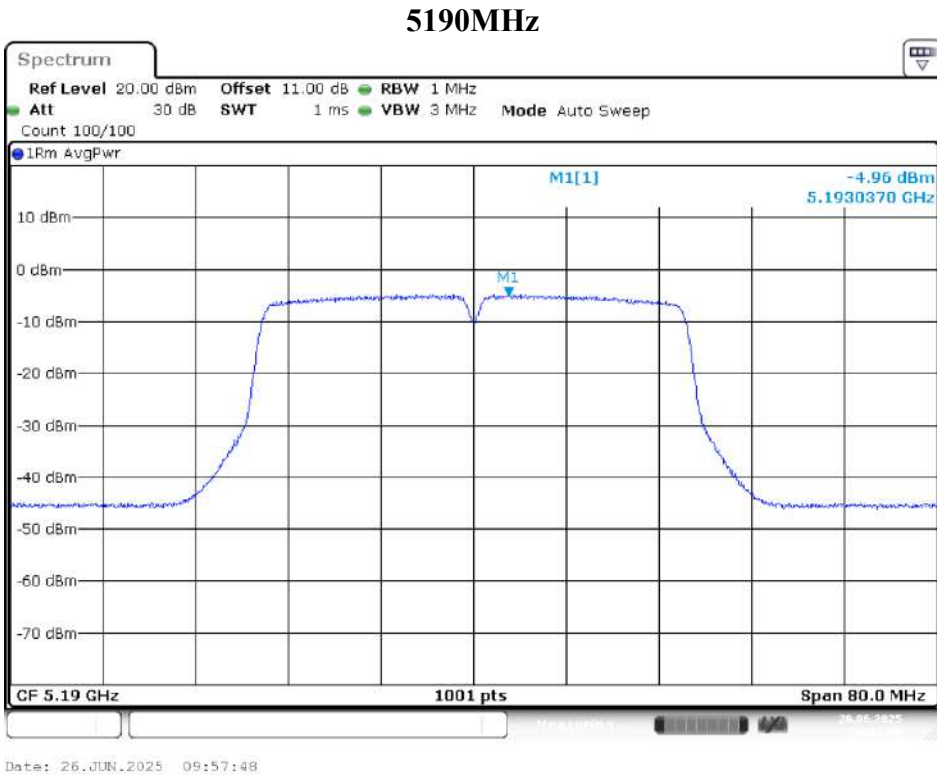
5190MHz



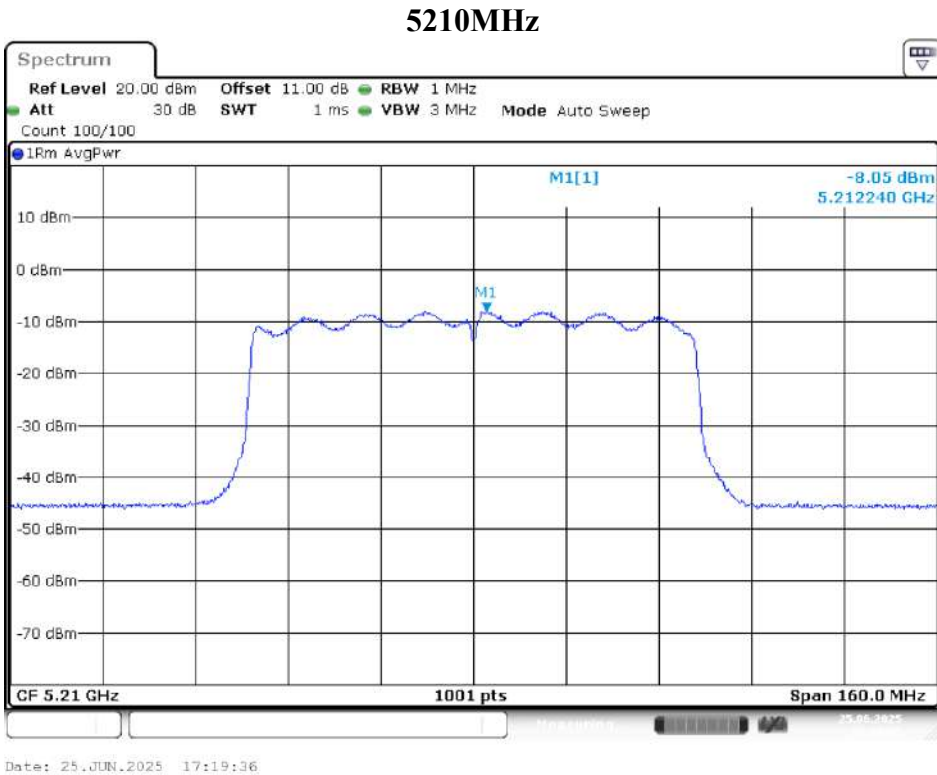
5230MHz



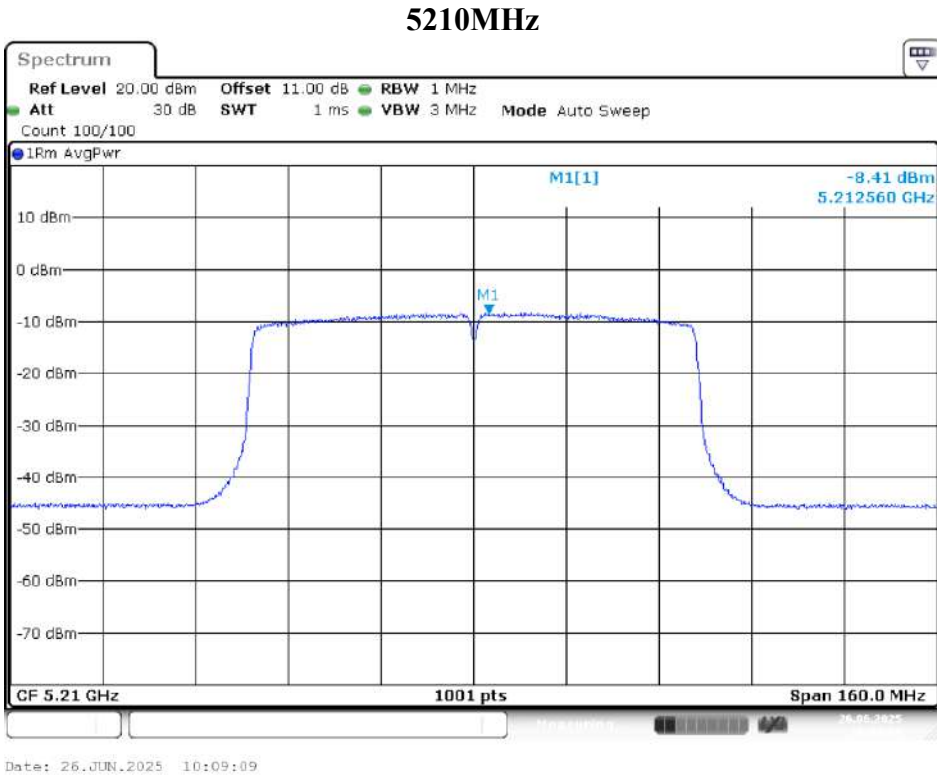
IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz (Chain 1)



IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz (Chain 0)



IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz (Chain 1)

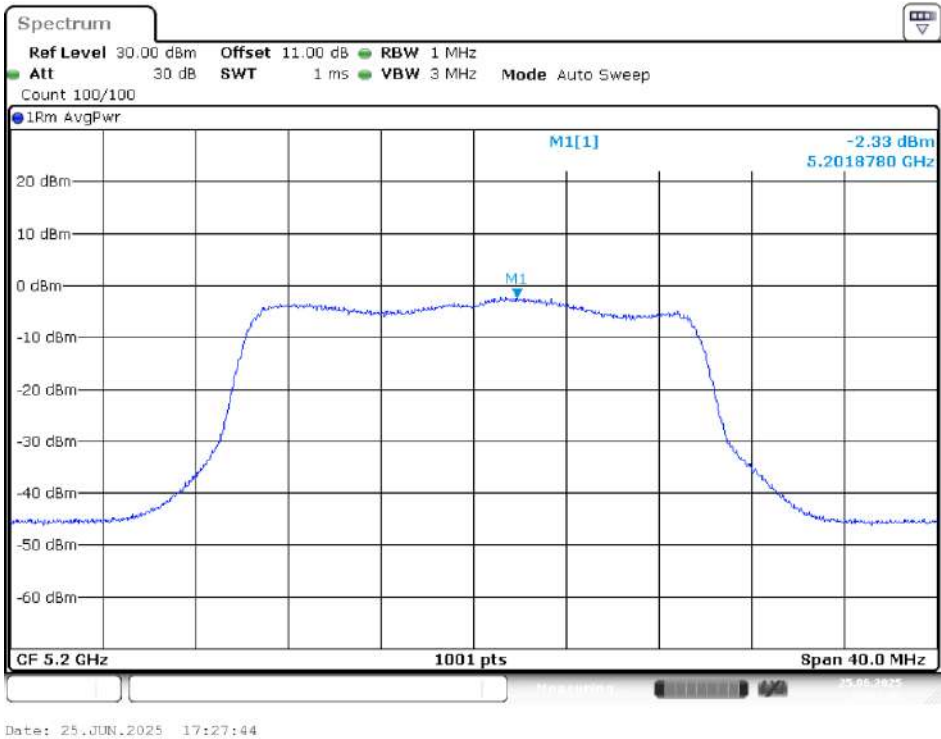


IEEE 802.11ax HE20 Mode / 5150 ~ 5250MHz (Chain 0)

5180MHz



5200MHz

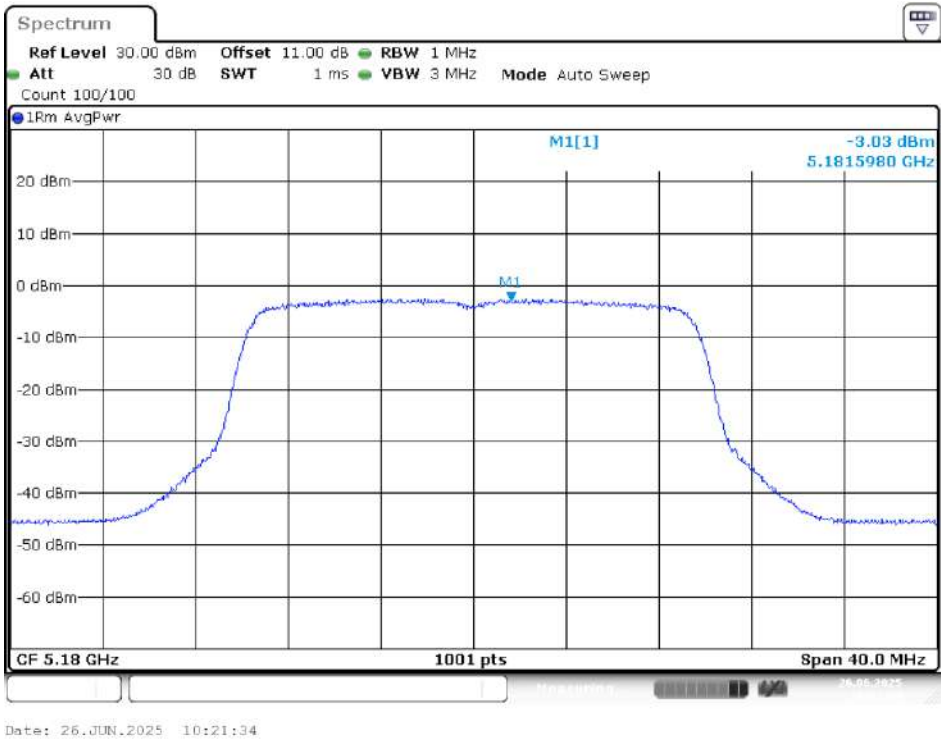


5240MHz

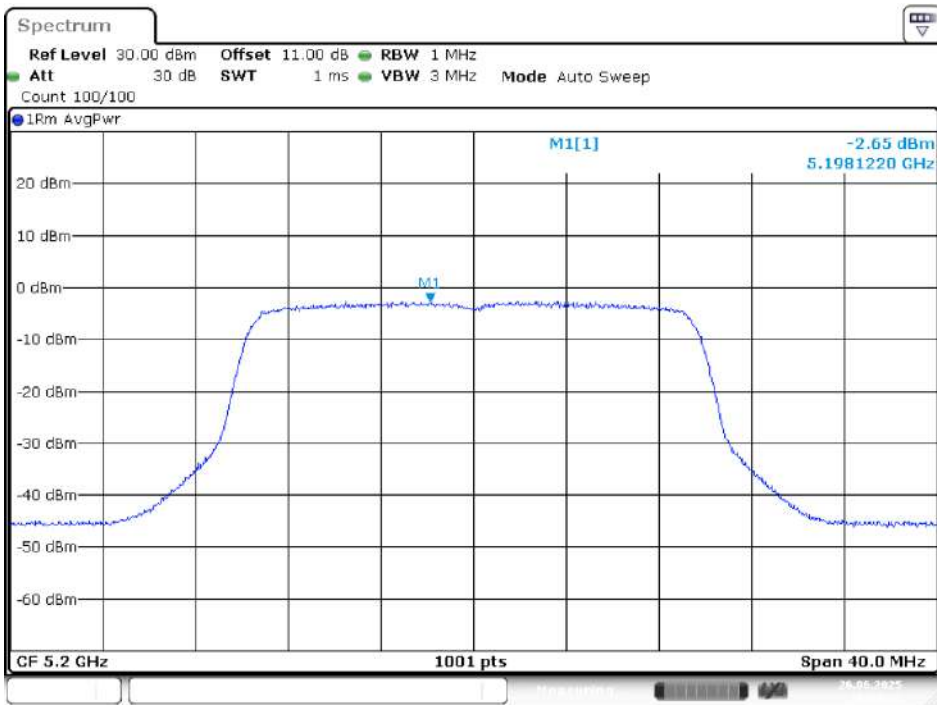


IEEE 802.11ax HE20 Mode / 5150 ~ 5250MHz (Chain 1)

5180MHz

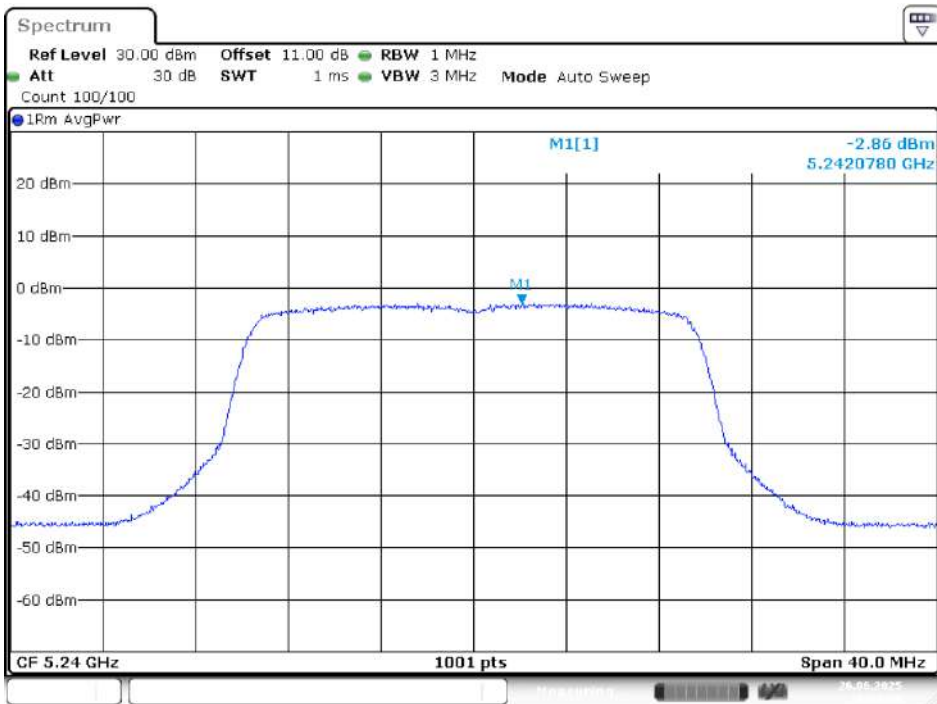


5200MHz



Date: 26.JUN.2025 10:23:21

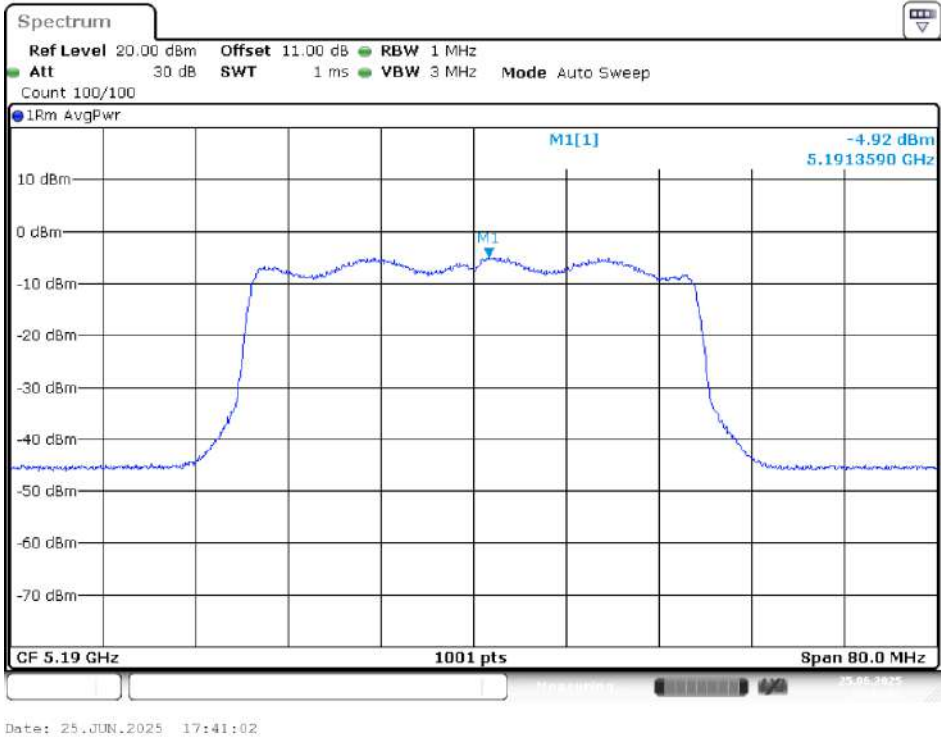
5240MHz



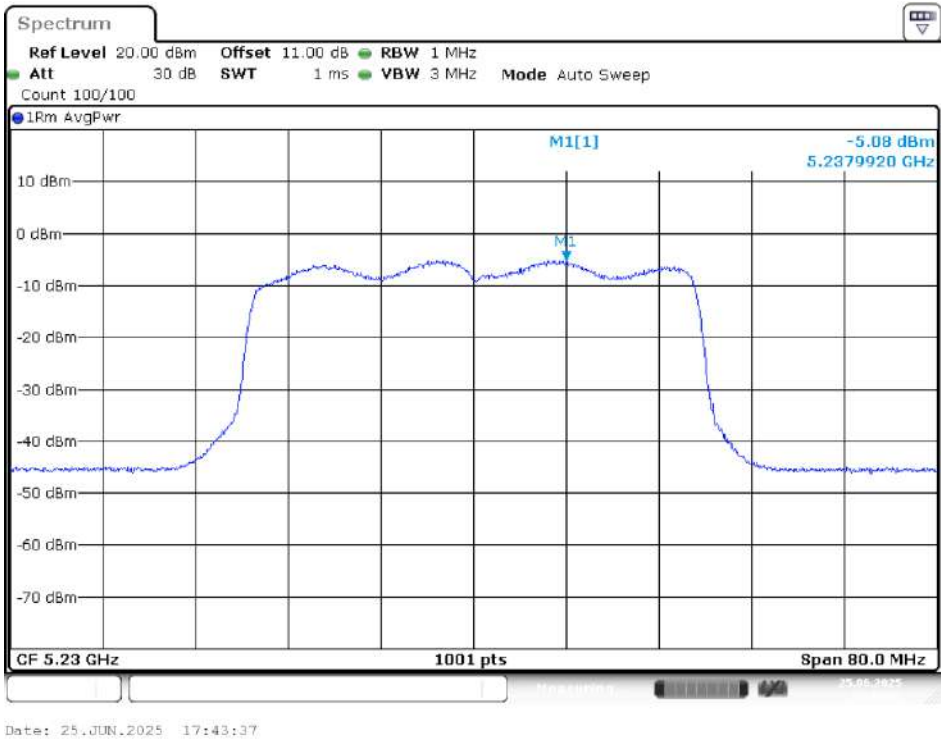
Date: 26.JUN.2025 10:29:58

IEEE 802.11ax HE40 Mode / 5150 ~ 5250MHz (Chain 0)

5190MHz

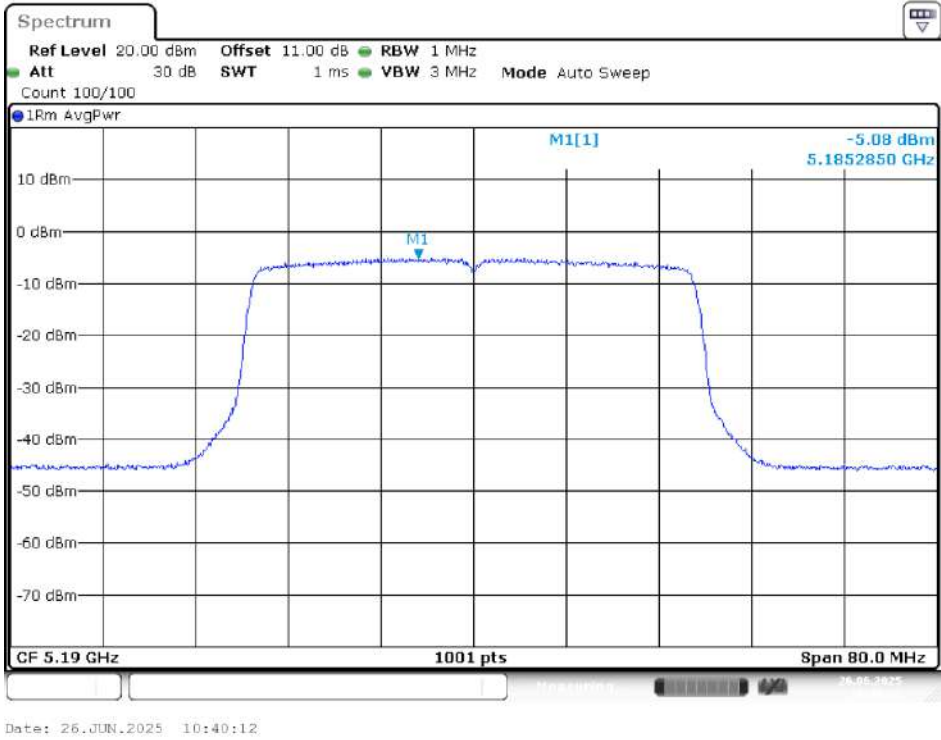


5230MHz

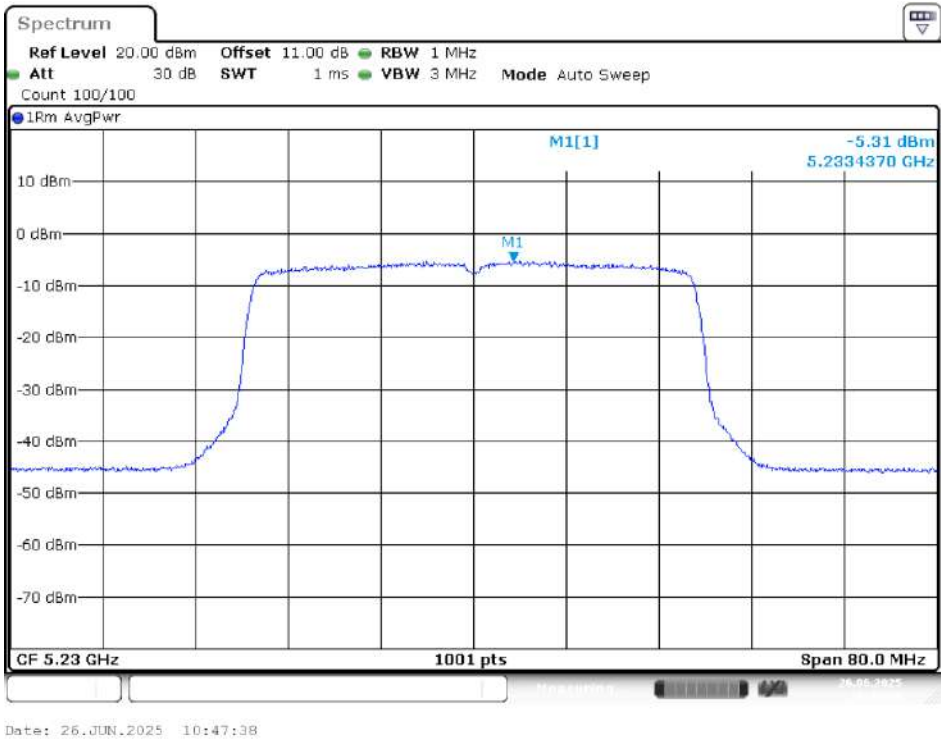


IEEE 802.11ax HE40 Mode / 5150 ~ 5250MHz (Chain 1)

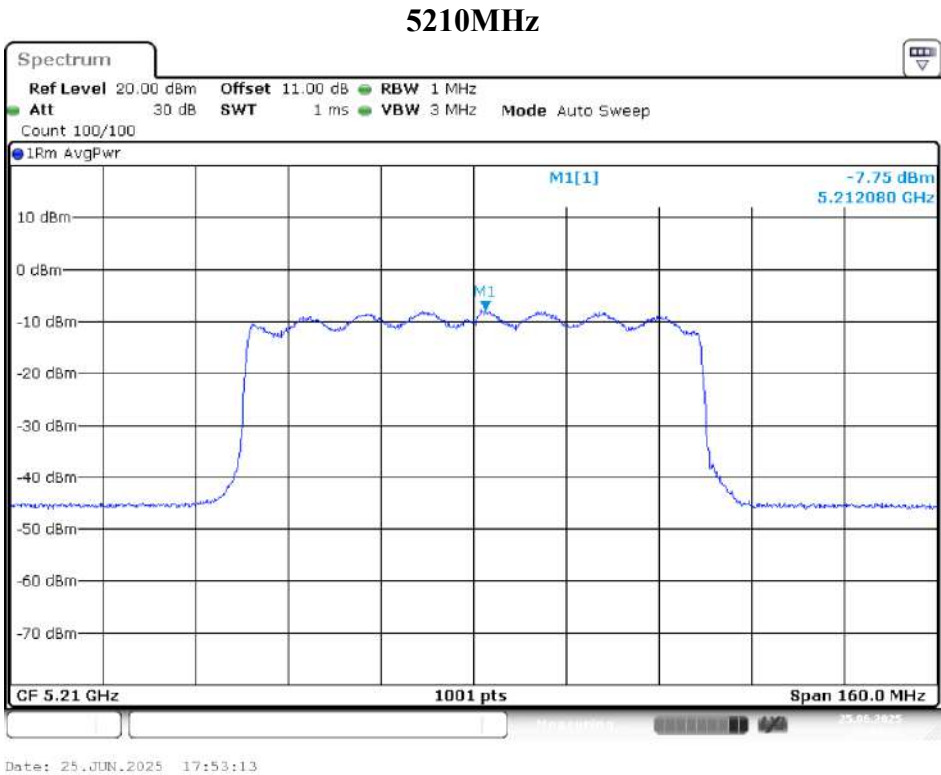
5190MHz



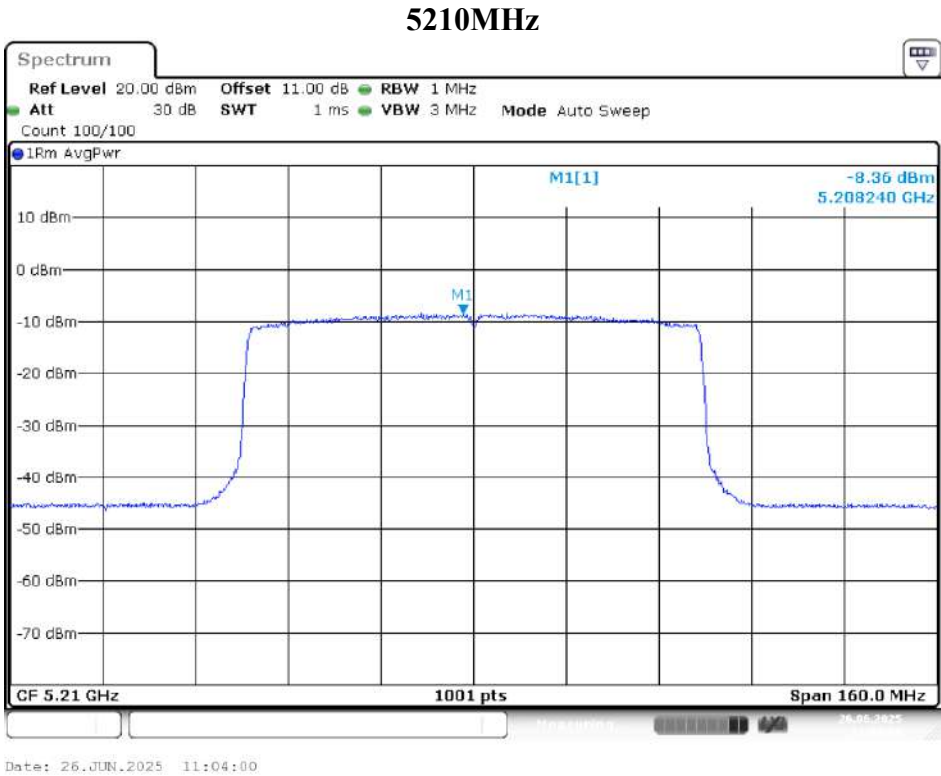
5230MHz



IEEE 802.11ax HE80 Mode / 5150 ~ 5250MHz (Chain 0)



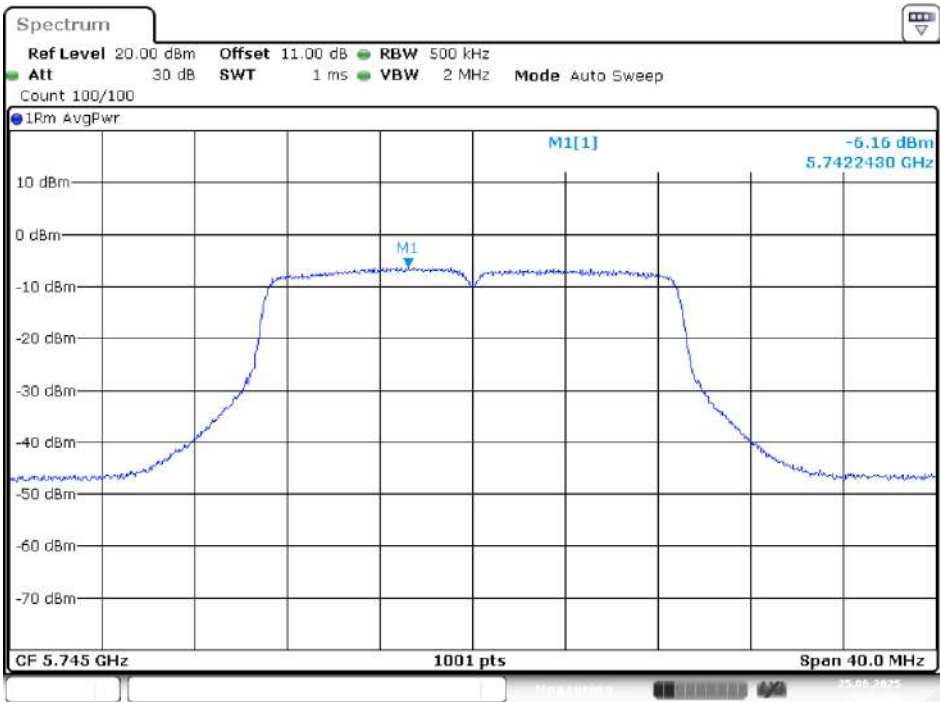
IEEE 802.11ax HE80 Mode / 5150 ~ 5250MHz (Chain 1)



UNII-3 Band IV / PSD

IEEE 802.11ac VHT20 Mode / 5725 ~ 5850MHz (Chain 0)

5745MHz



5785MHz



5825MHz

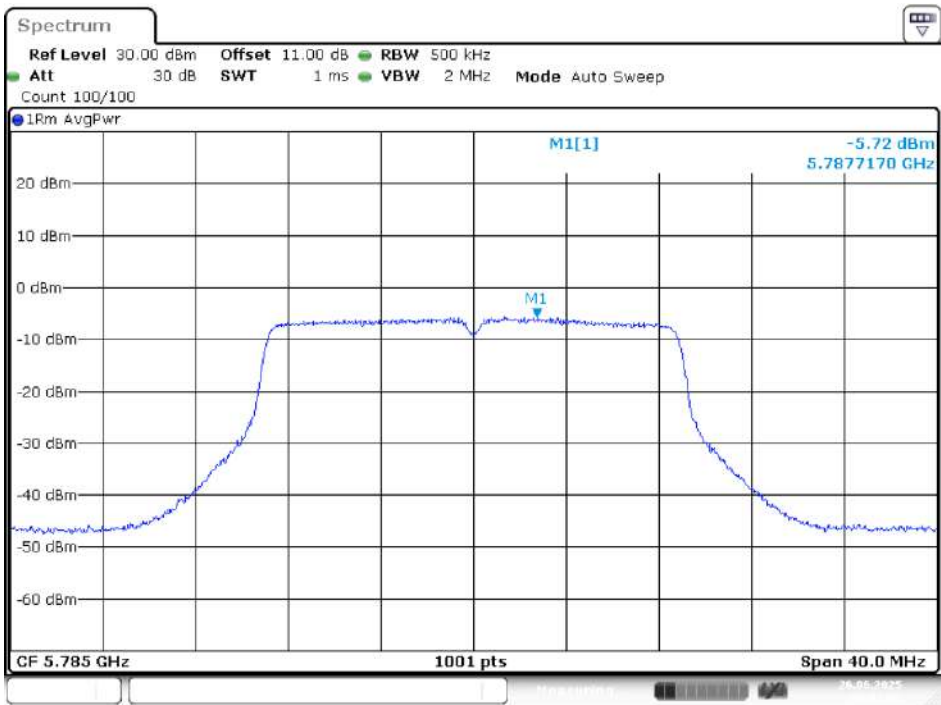


IEEE 802.11ac VHT20 Mode / 5725 ~ 5850MHz (Chain 1)

5745MHz

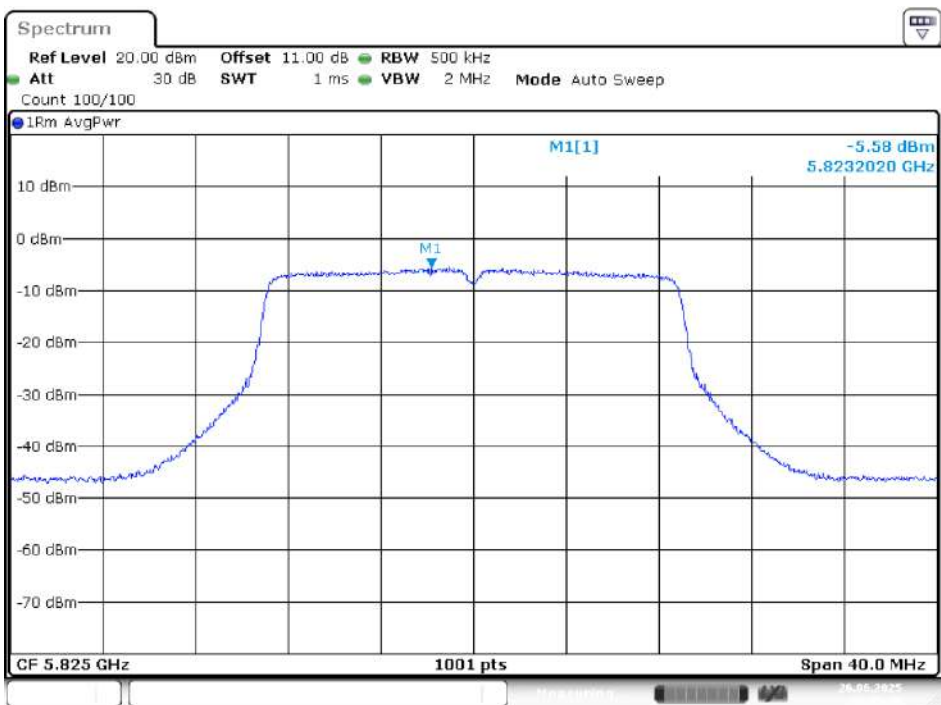


5785MHz



Date: 26.JUN.2025 09:51:22

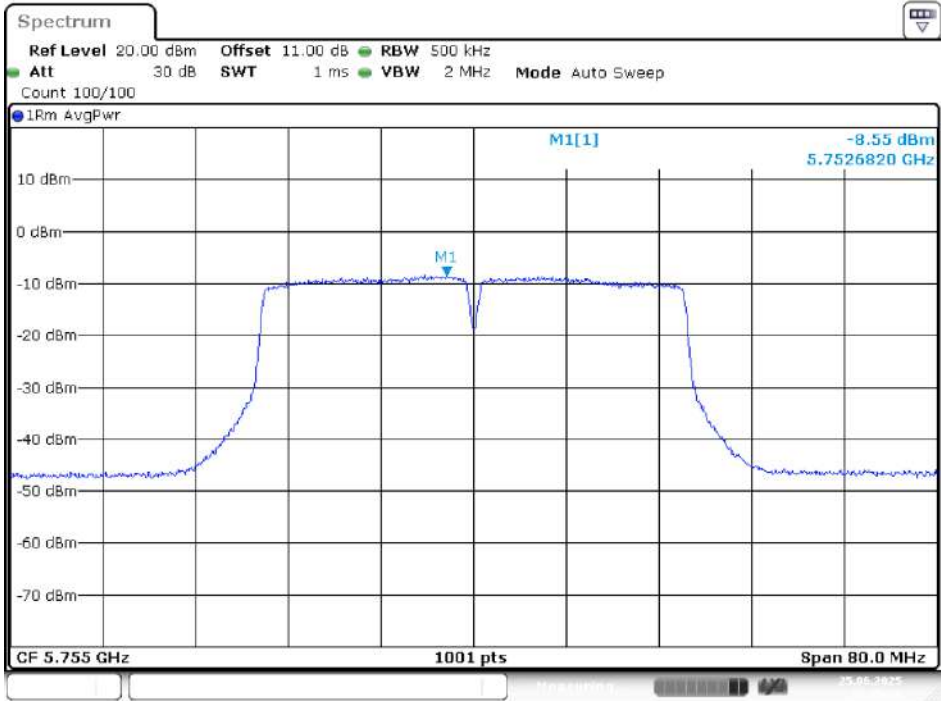
5825MHz



Date: 26.JUN.2025 09:55:48

IEEE 802.11ac VHT40 Mode / 5725 ~ 5850MHz (Chain 0)

5755MHz



Date: 25.JUN.2025 17:15:16

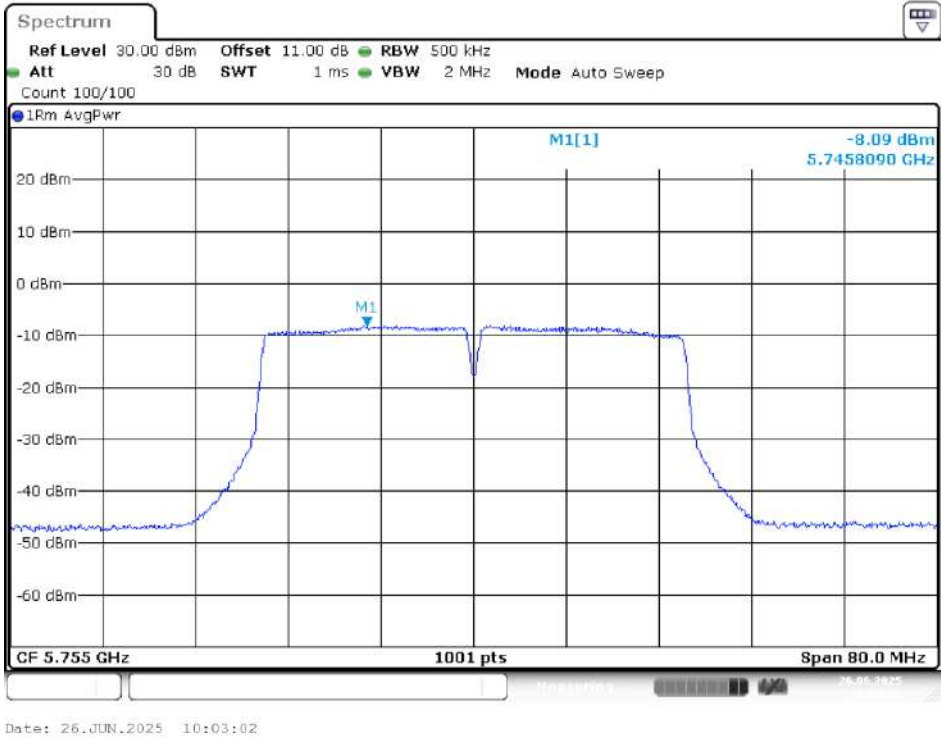
5795MHz



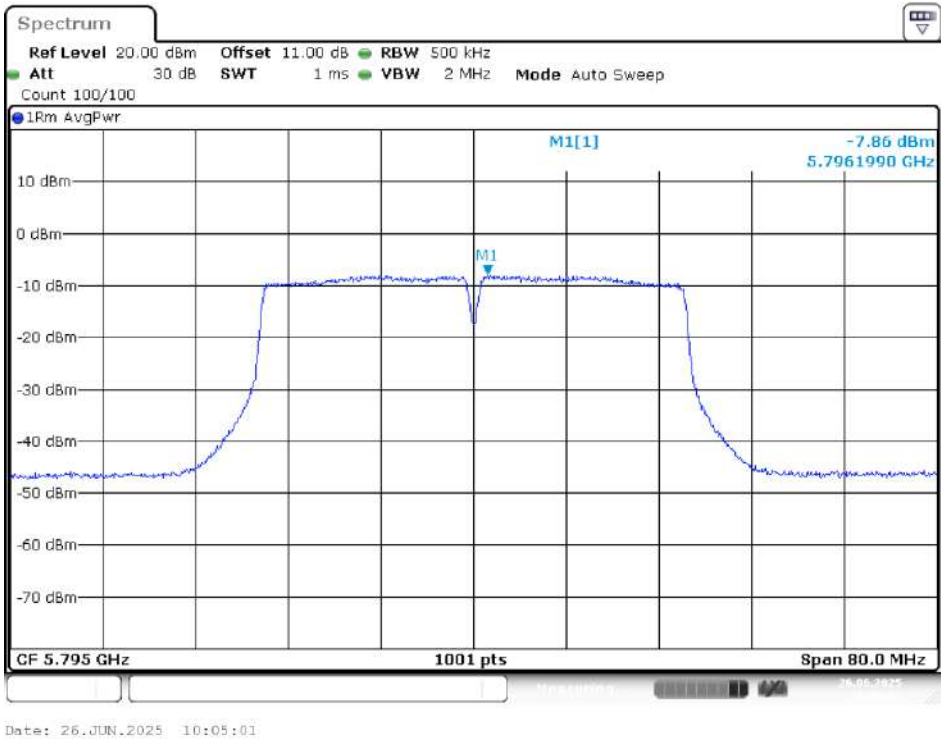
Date: 25.JUN.2025 17:17:32

IEEE 802.11ac VHT40 Mode / 5725 ~ 5850MHz (Chain 1)

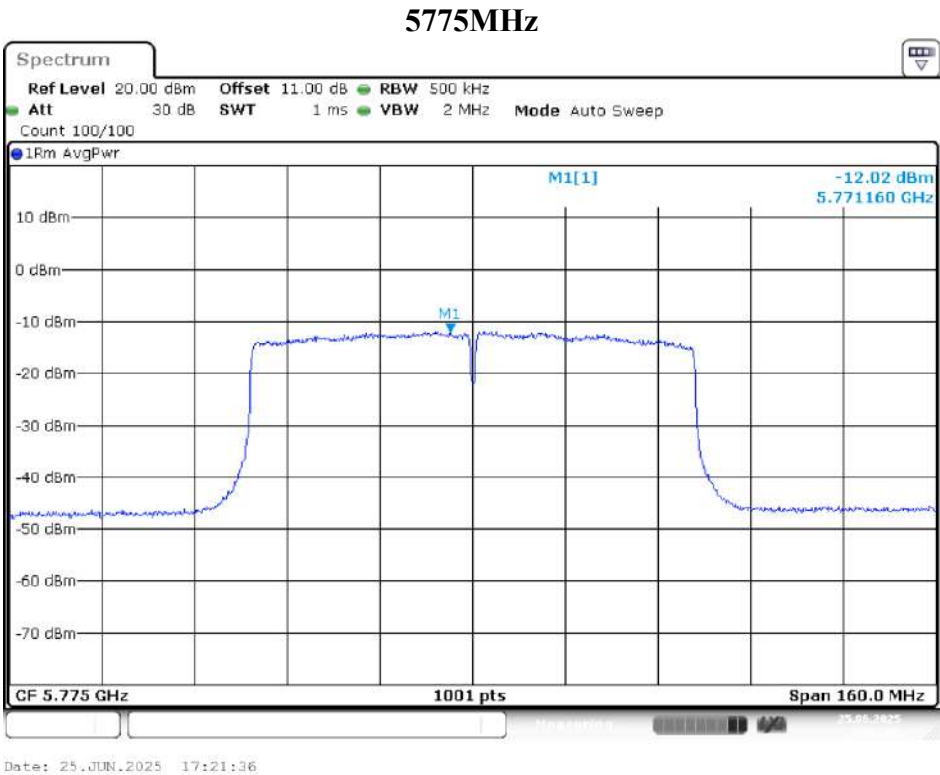
5755MHz



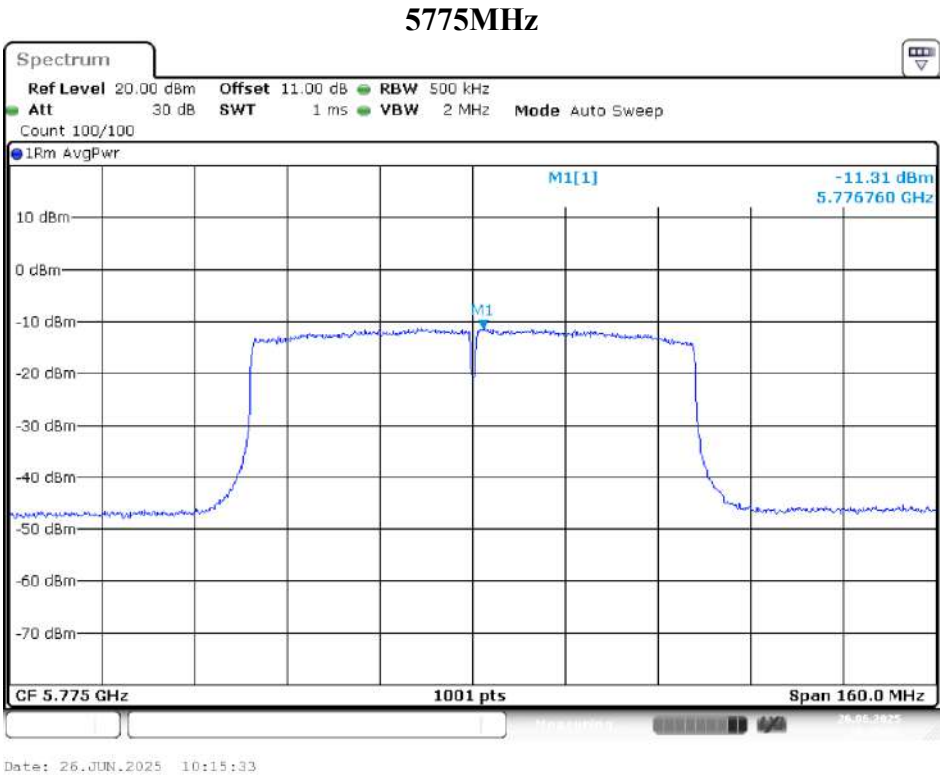
5795MHz



IEEE 802.11ac VHT80 Mode / 5725 ~ 5850MHz (Chain 0)

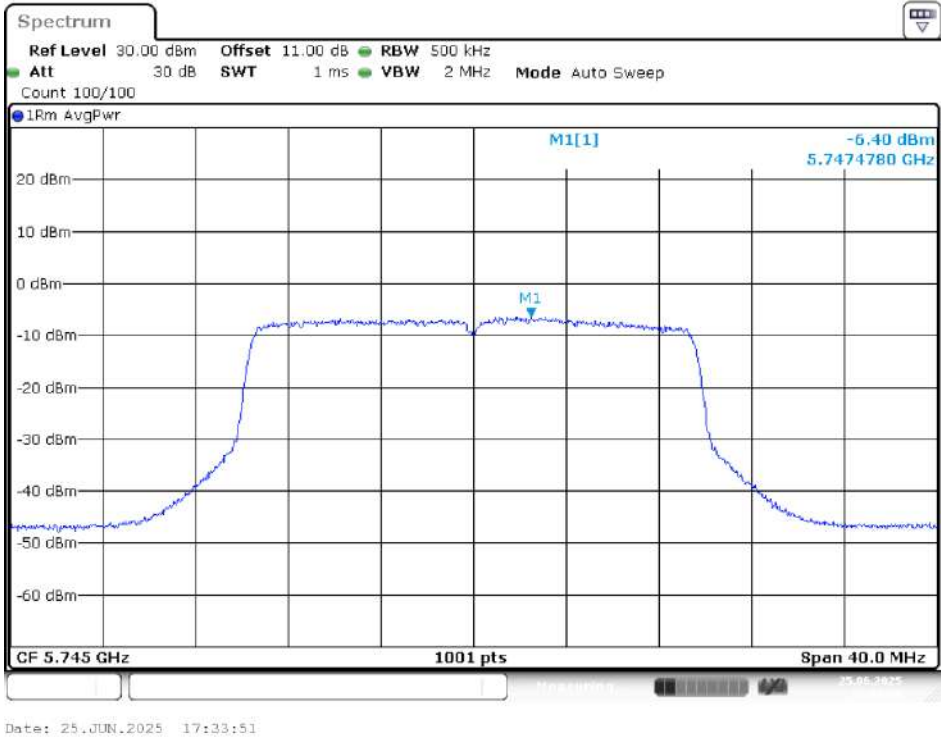


IEEE 802.11ac VHT80 Mode / 5725 ~ 5850MHz (Chain 1)

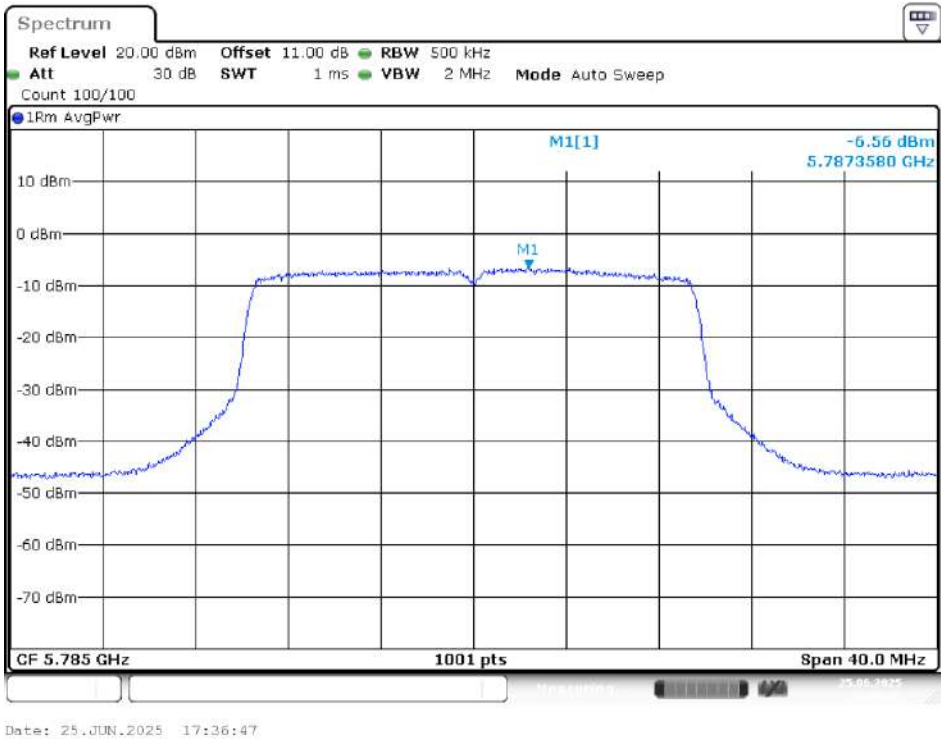


IEEE 802.11ax HE20 Mode / 5725 ~ 5850MHz (Chain 0)

5745MHz



5785MHz

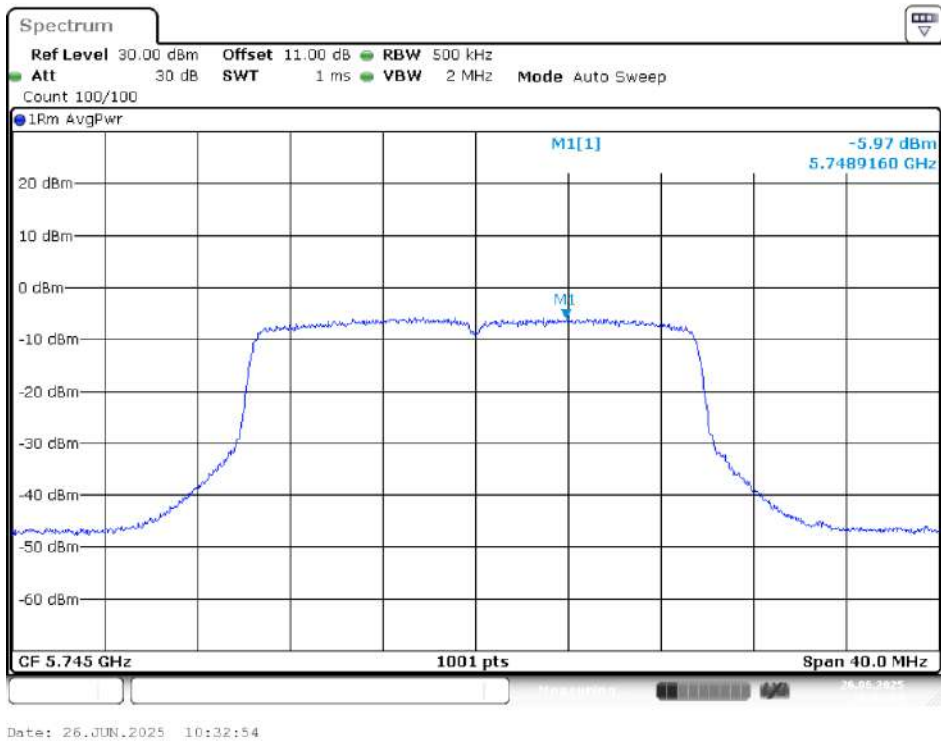


5825MHz



IEEE 802.11ax HE20 Mode / 5725 ~ 5850MHz (Chain 1)

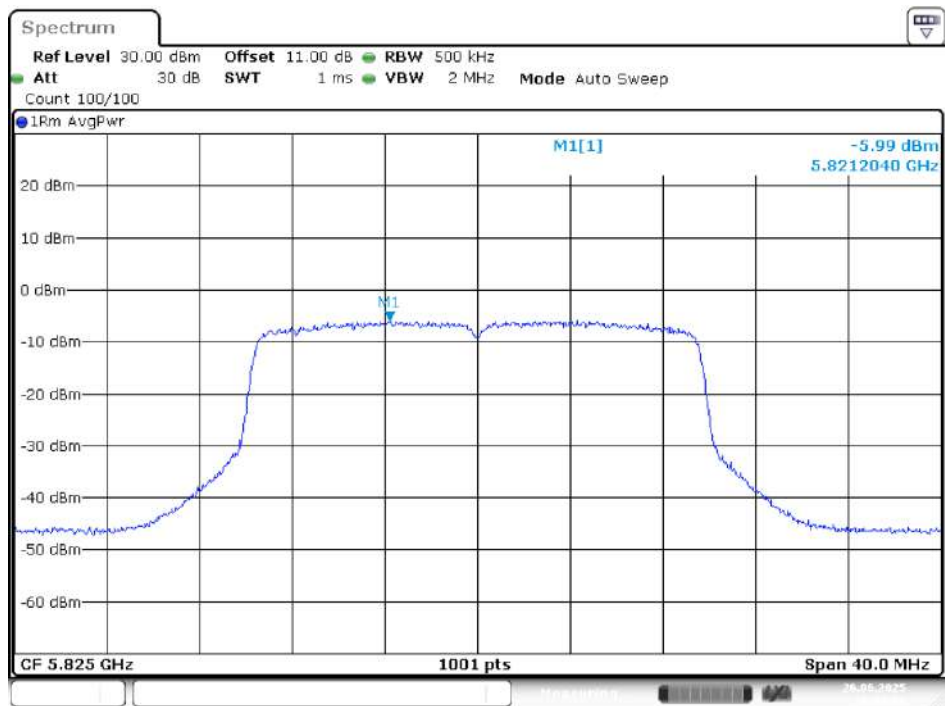
5745MHz



5785MHz

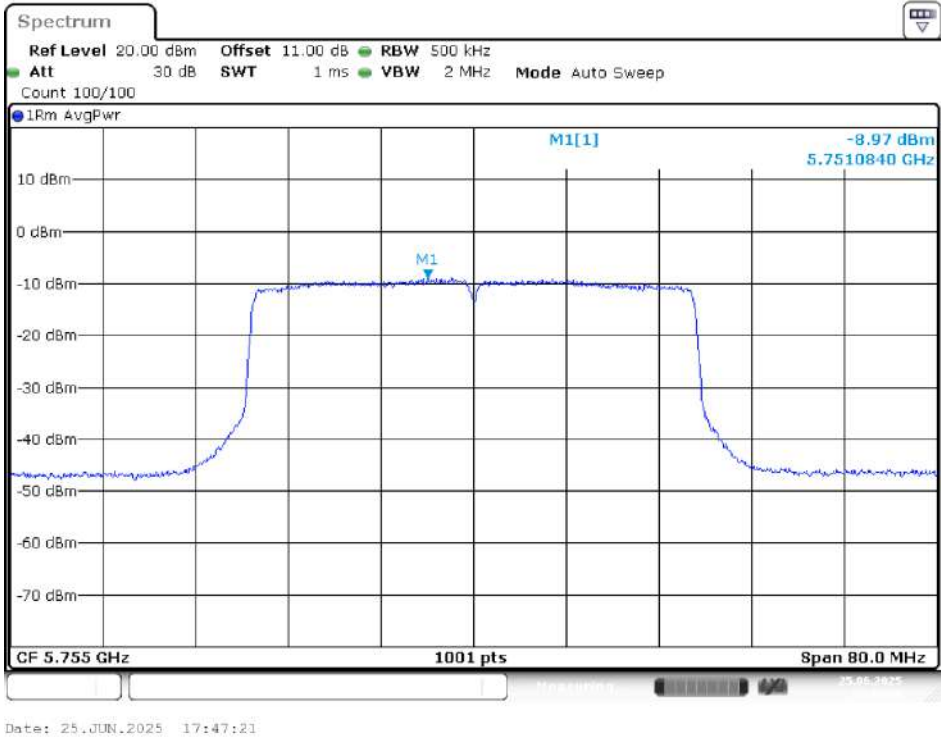


5825MHz

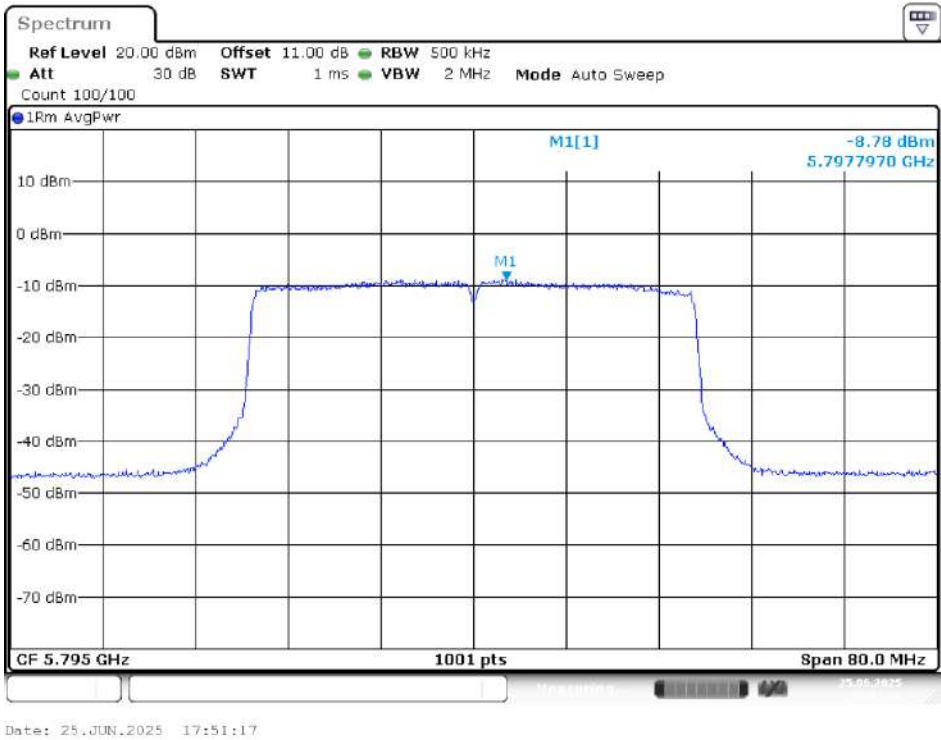


IEEE 802.11ax HE40 Mode / 5725 ~ 5850MHz (Chain 0)

5755MHz



5795MHz

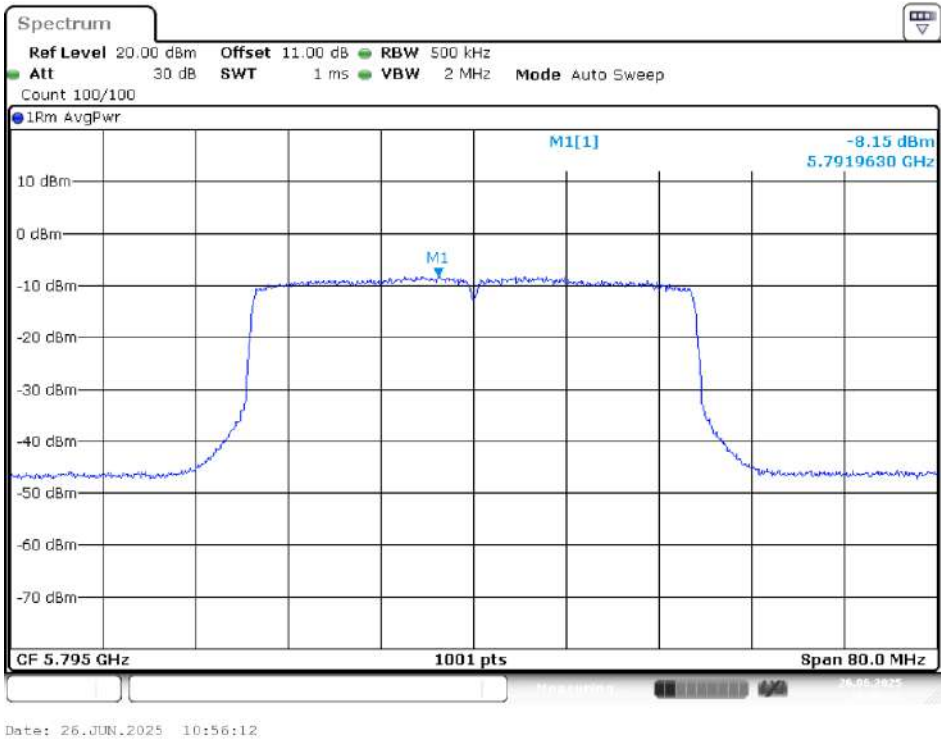


IEEE 802.11ax HE40 Mode / 5725 ~ 5850MHz (Chain 1)

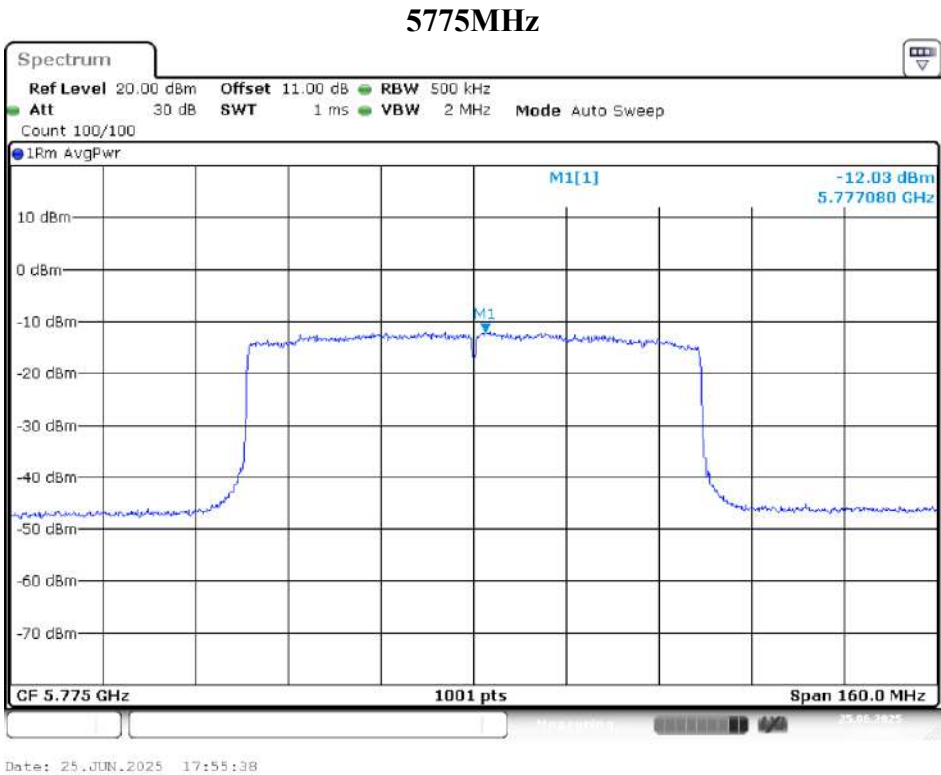
5755MHz



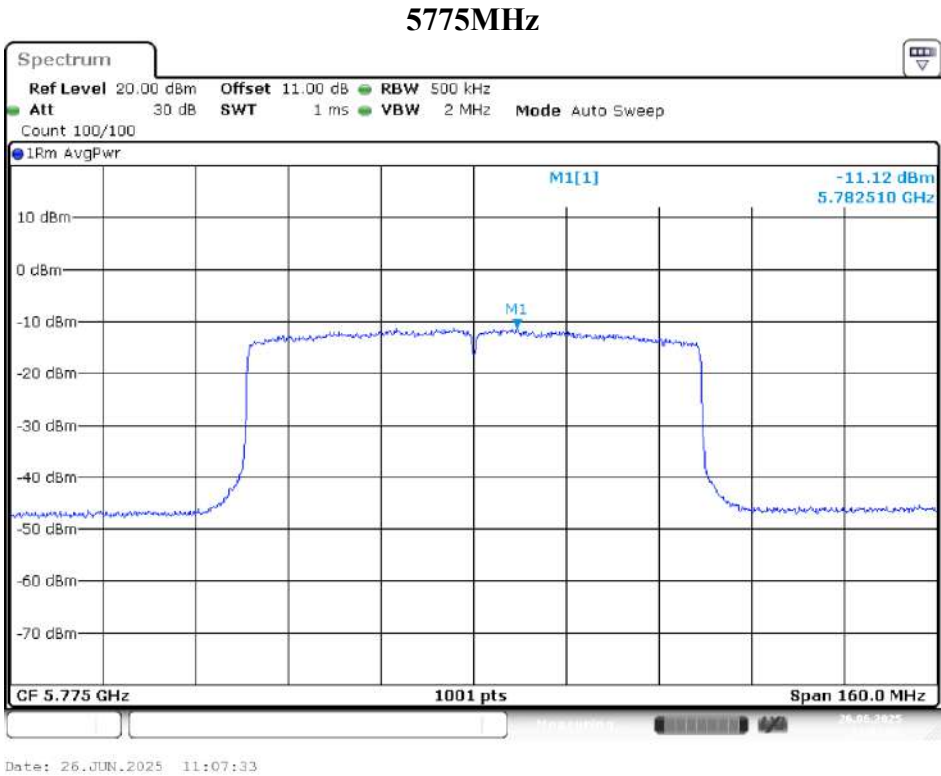
5795MHz



IEEE 802.11ax HE80 Mode / 5725 ~ 5850MHz (Chain 0)



IEEE 802.11ax HE80 Mode / 5725 ~ 5850MHz (Chain 1)



Non Beamforming

UNII-1 Band I / PSD

IEEE 802.11a Mode / 5150 ~ 5250MHz (Chain 0)

5180MHz



Date: 24.JUN.2025 16:09:42

5200MHz



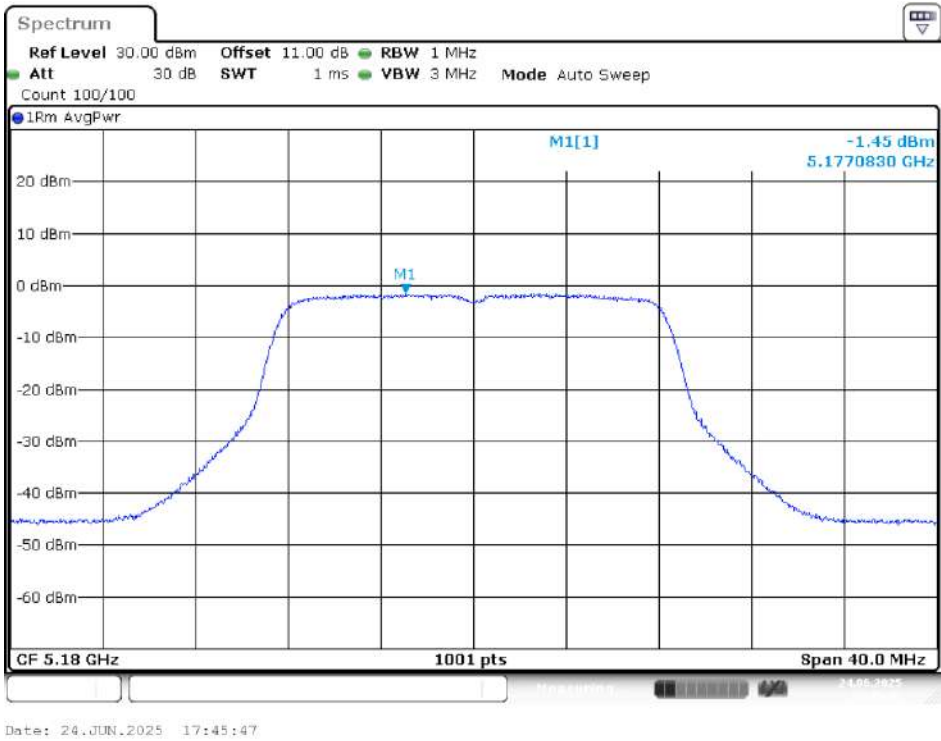
Date: 24.JUN.2025 16:11:21

5240MHz



IEEE 802.11a Mode / 5150 ~ 5250MHz (Chain 1)

5180MHz



5200MHz

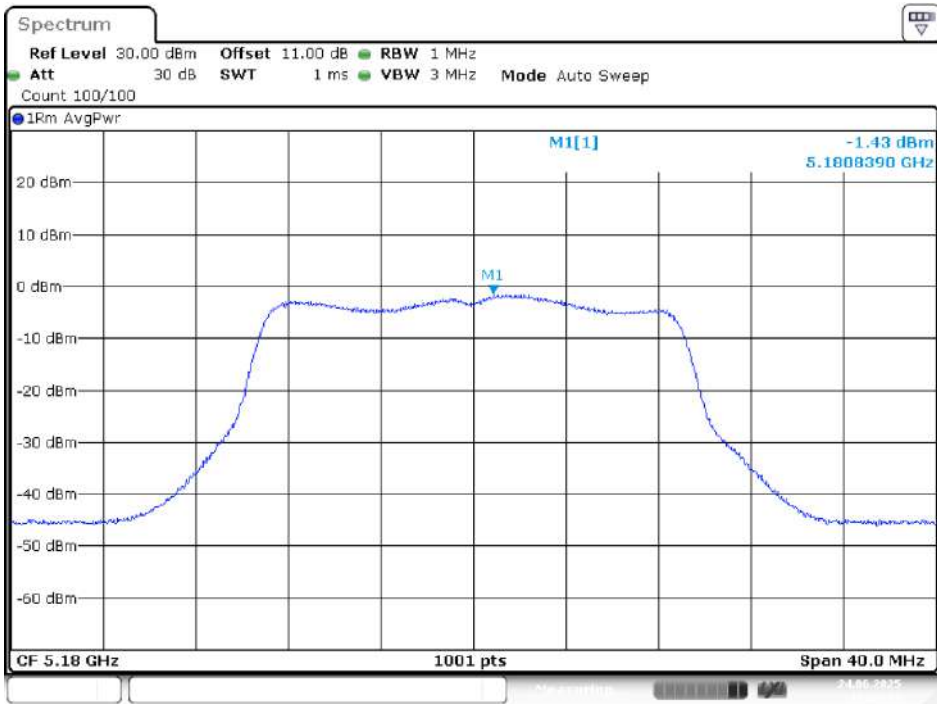


5240MHz



IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz (Chain 0)

5180MHz



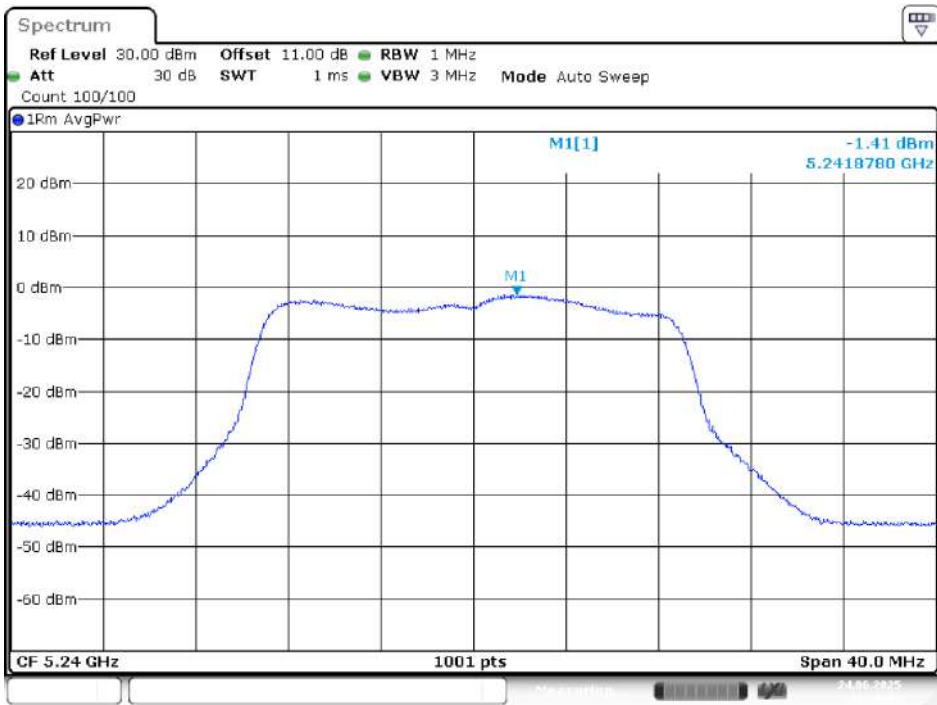
Date: 24.JUN.2025 16:27:41

5200MHz



Date: 24.JUN.2025 16:35:34

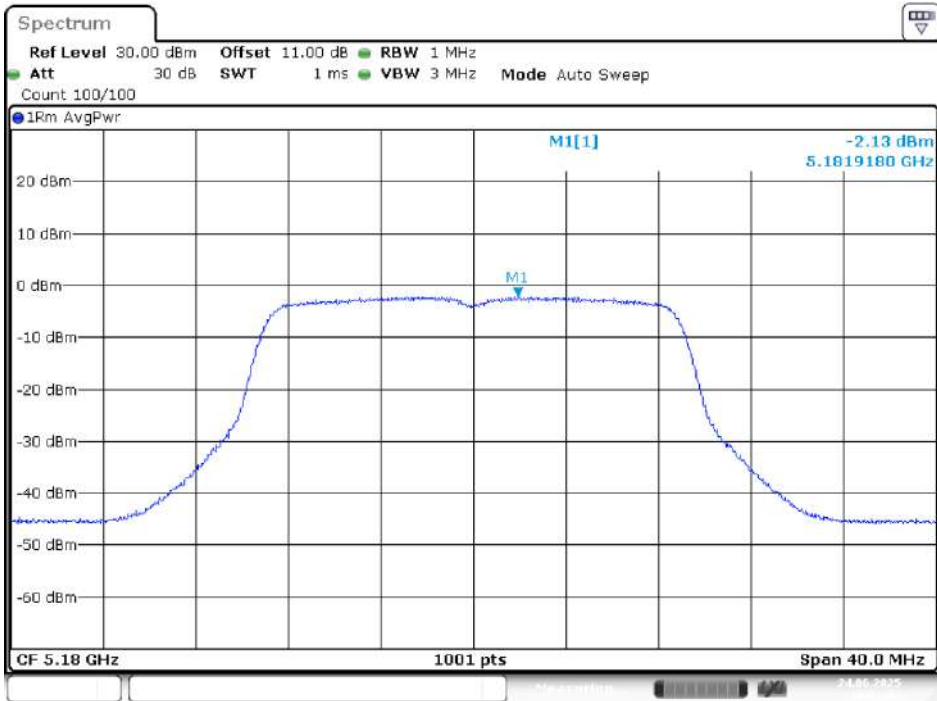
5240MHz



Date: 24.JUN.2025 16:38:43

IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz (Chain 1)

5180MHz

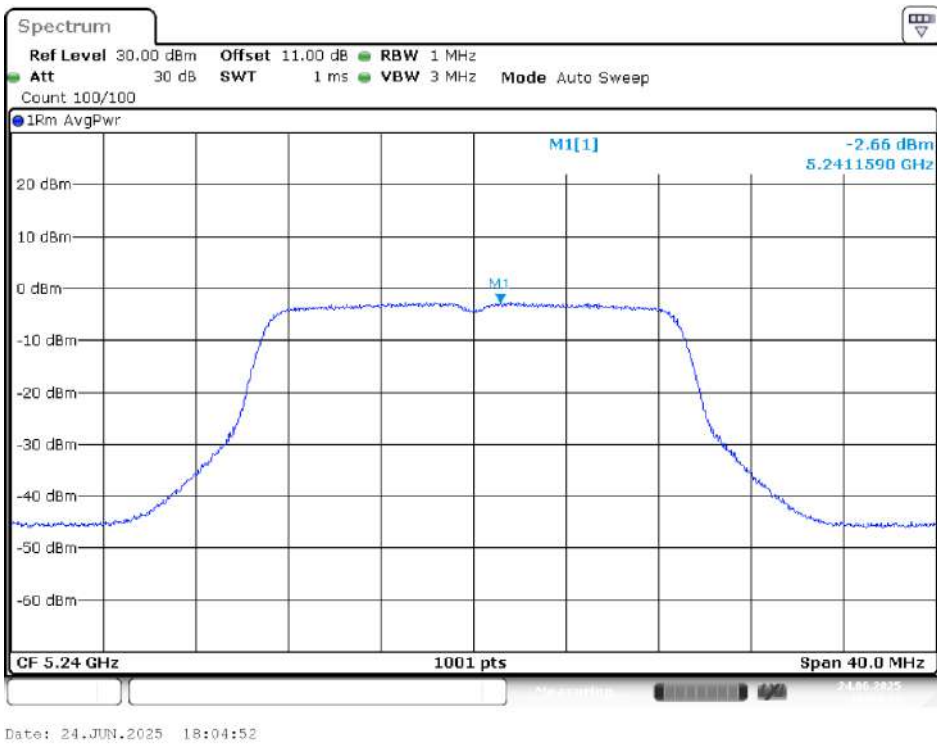


Date: 24.JUN.2025 18:01:03

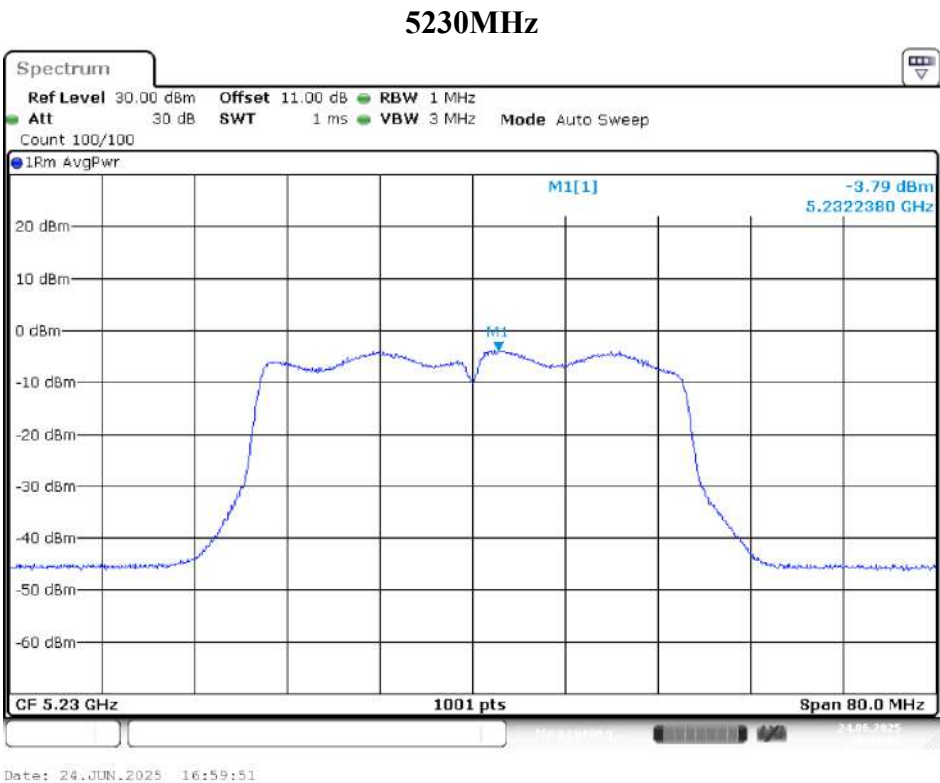
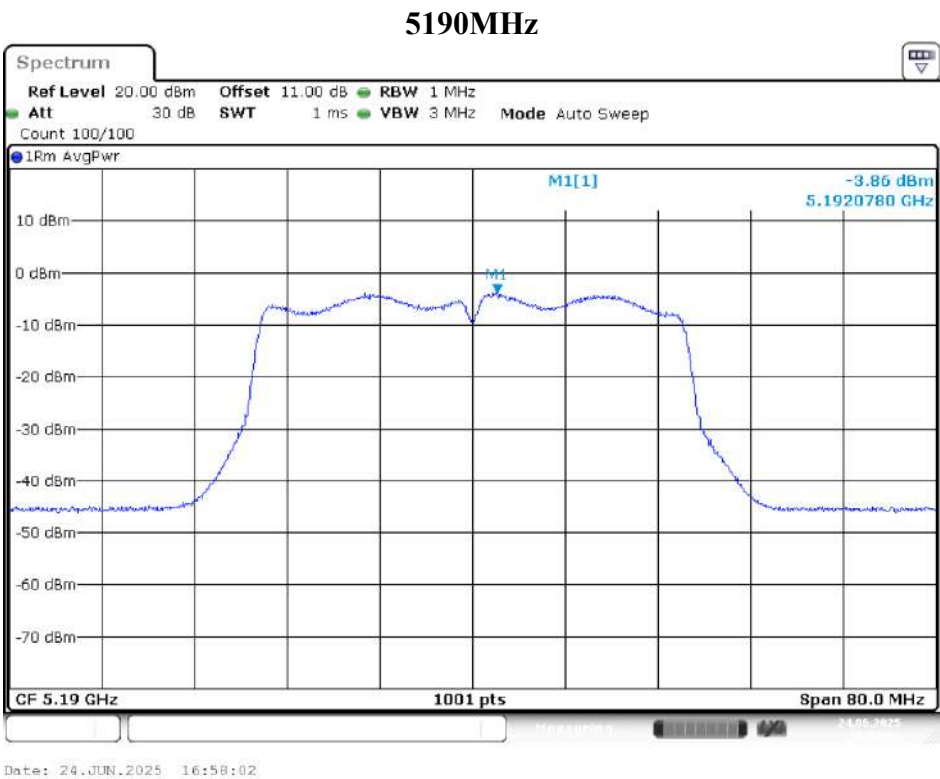
5200MHz



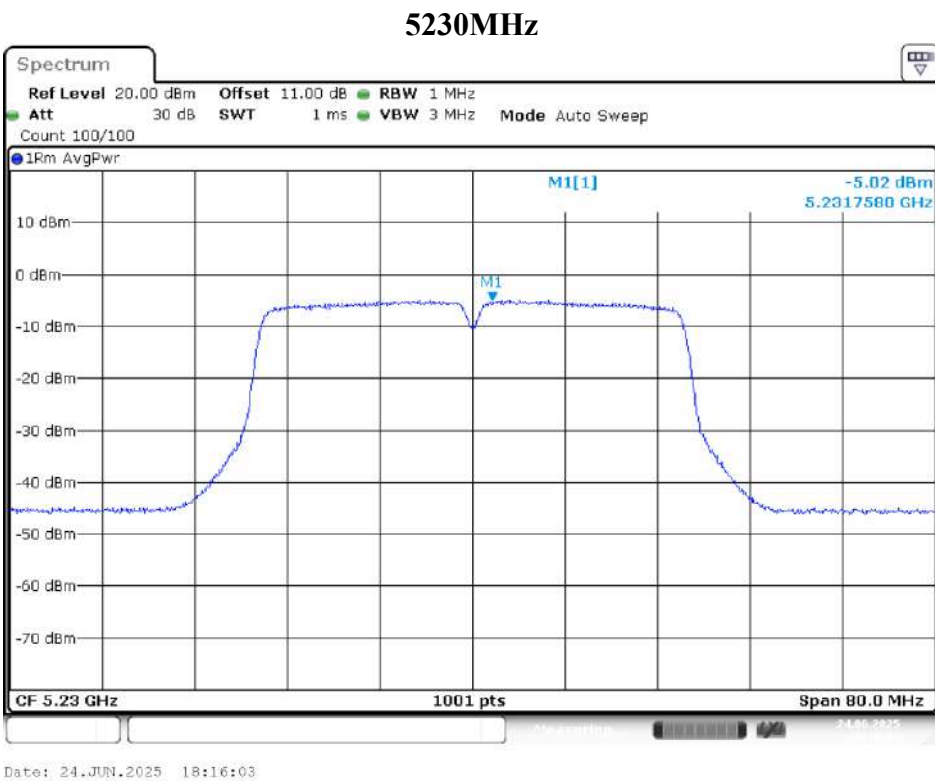
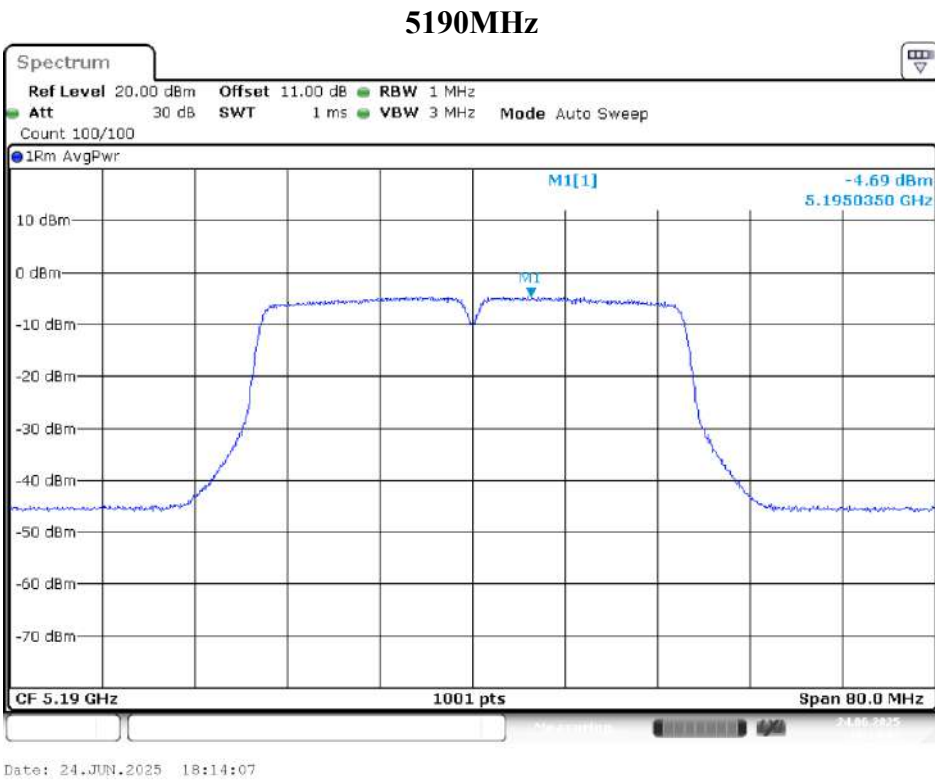
5240MHz



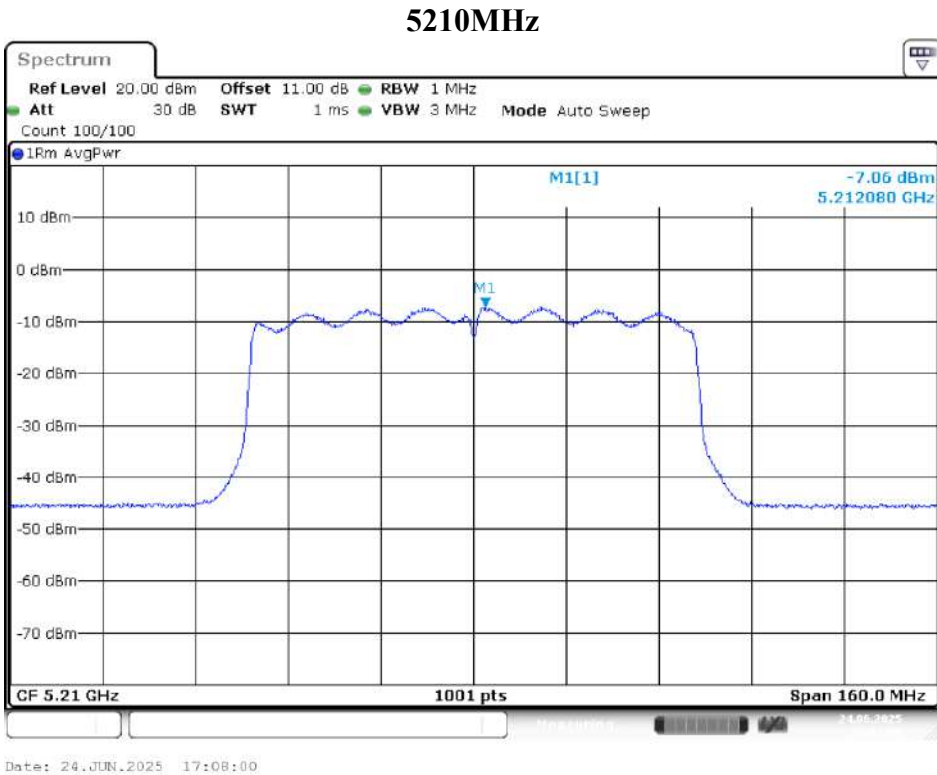
IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz (Chain 0)



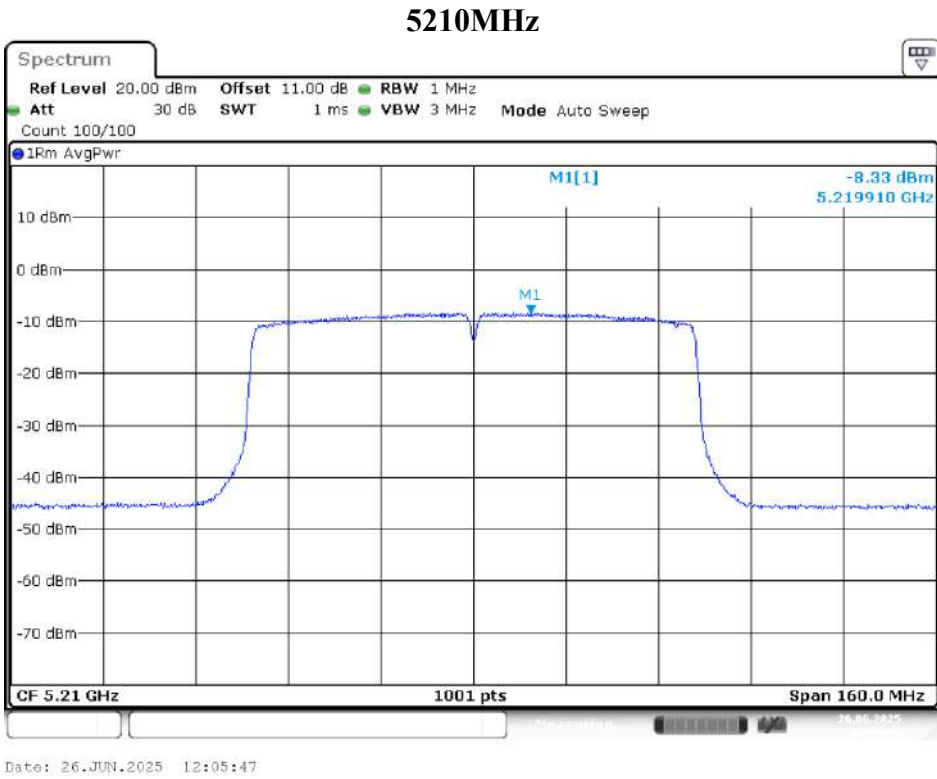
IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz (Chain 1)



IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz (Chain 0)



IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz (Chain 1)



IEEE 802.11ax HE20 Mode / 5150 ~ 5250MHz (Chain 0)

5180MHz



5200MHz



5240MHz

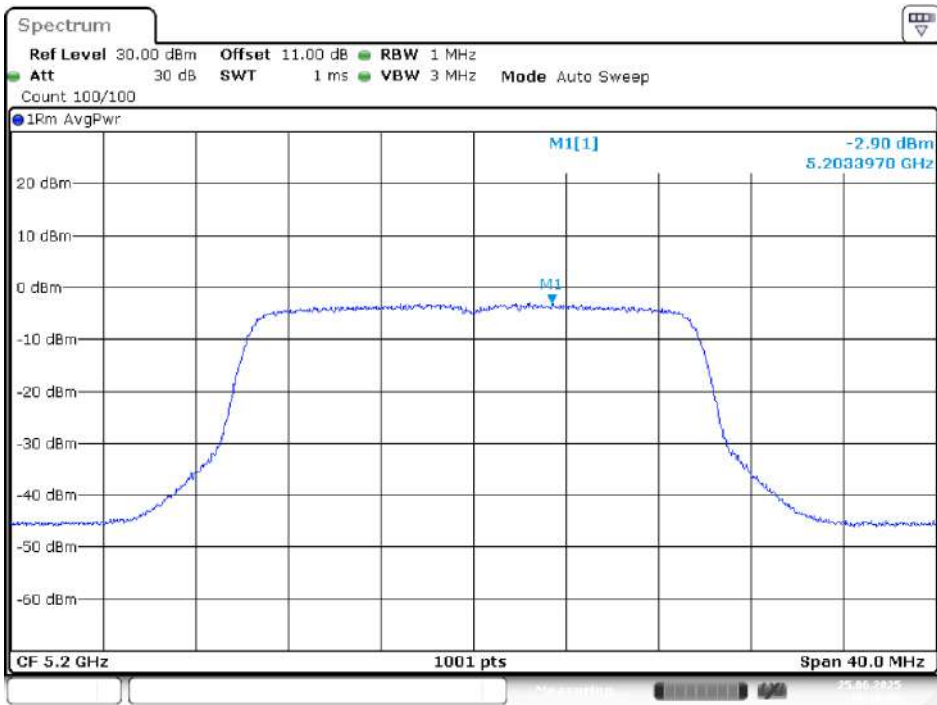


IEEE 802.11ax HE20 Mode / 5150 ~ 5250MHz (Chain 1)

5180MHz

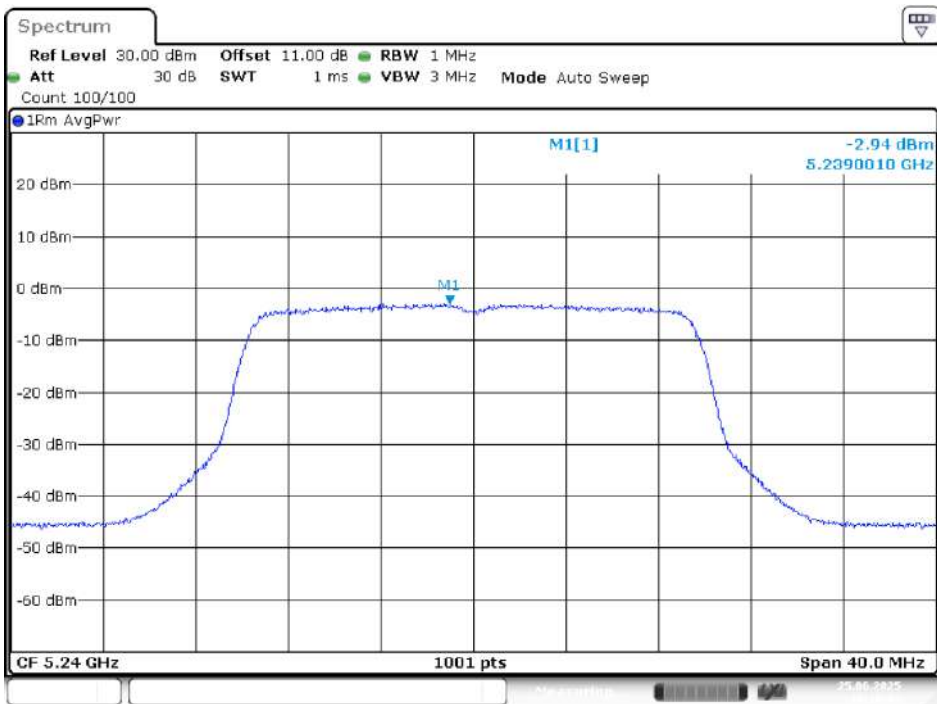


5200MHz



Date: 25.JUN.2025 10:16:00

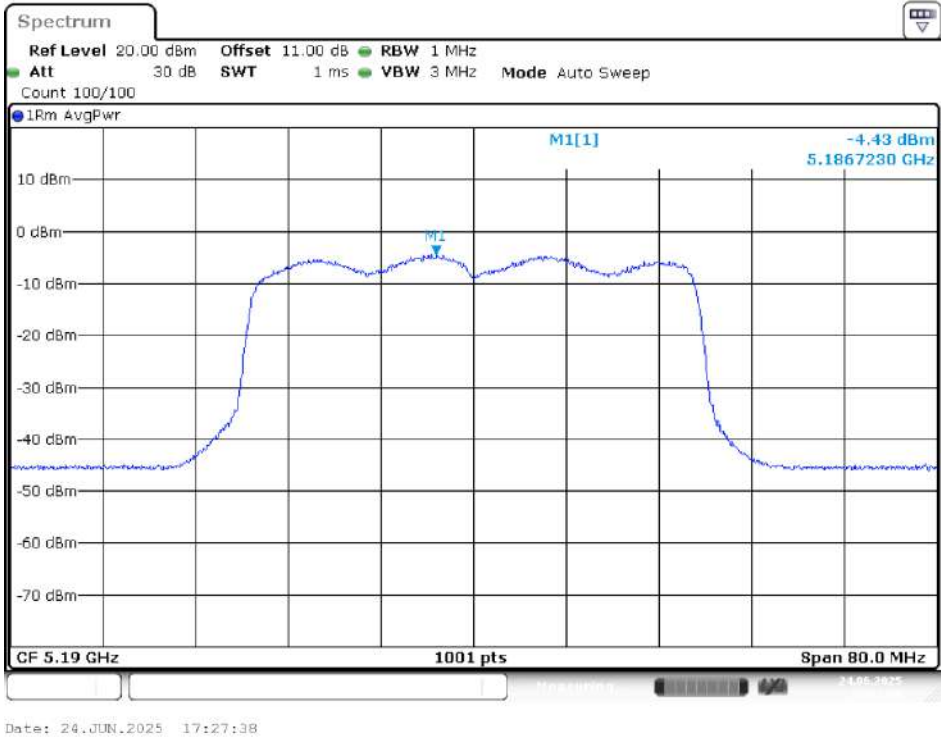
5240MHz



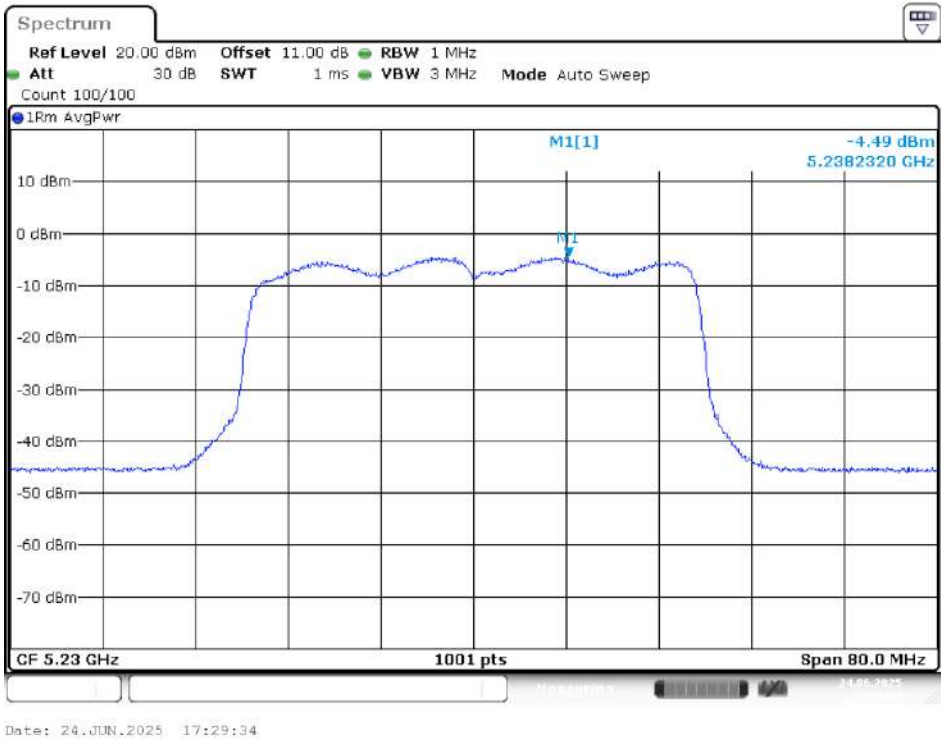
Date: 25.JUN.2025 10:18:01

IEEE 802.11ax HE40 Mode / 5150 ~ 5250MHz (Chain 0)

5190MHz

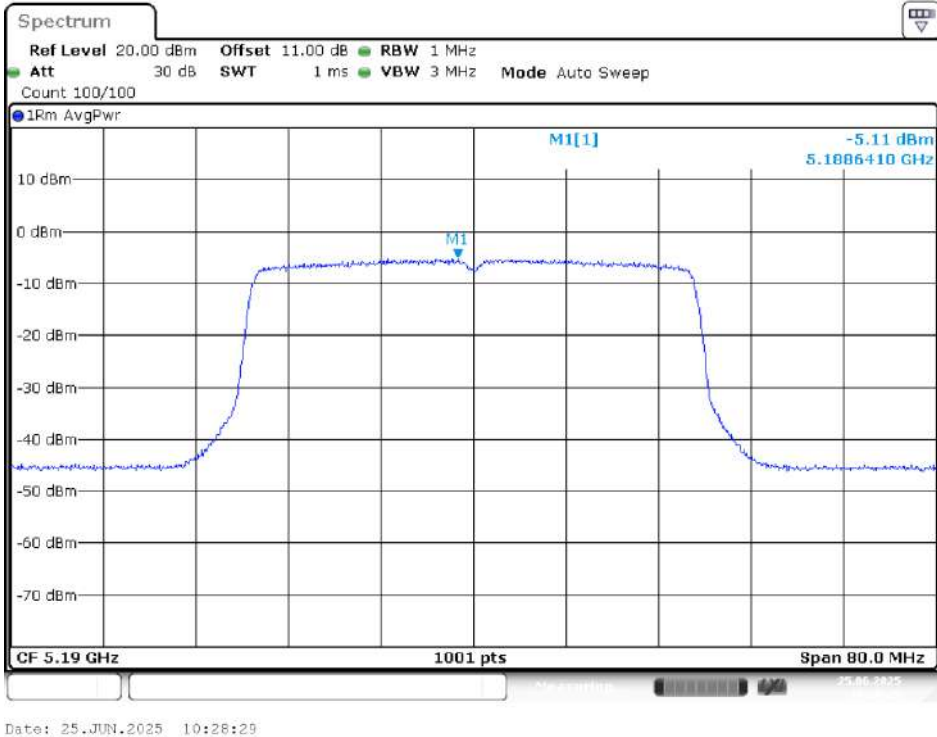


5230MHz

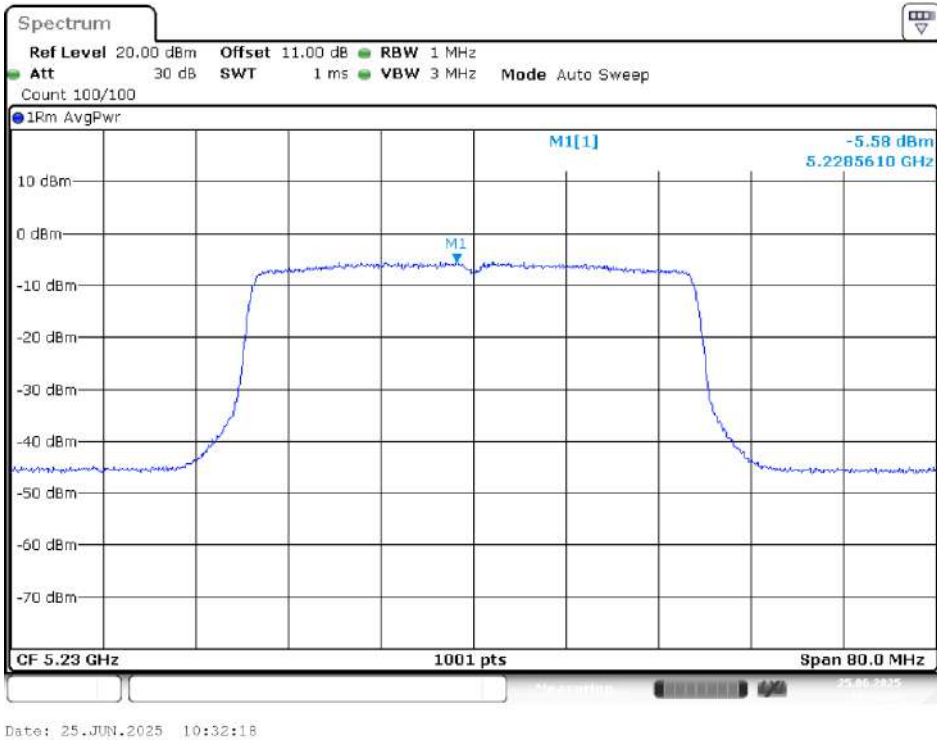


IEEE 802.11ax HE40 Mode / 5150 ~ 5250MHz (Chain 1)

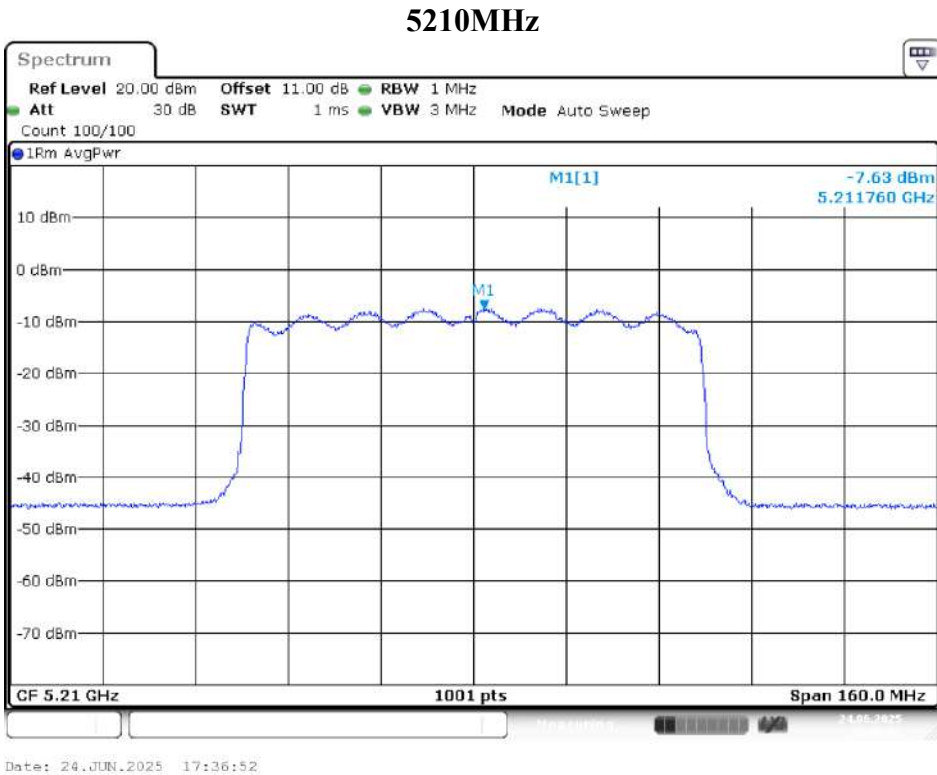
5190MHz



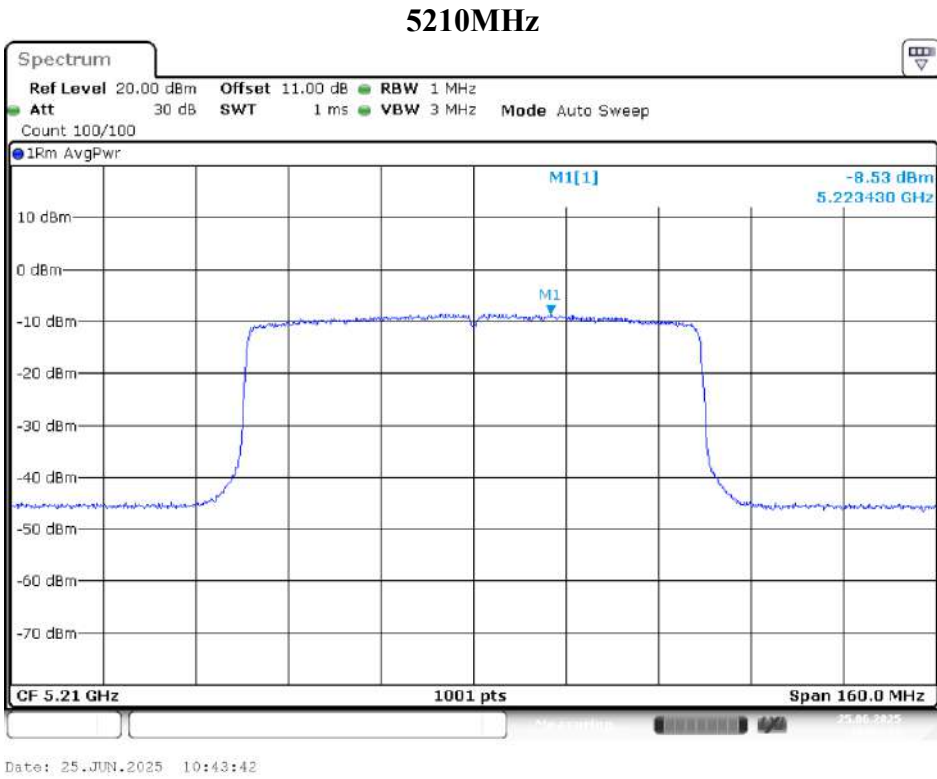
5230MHz



IEEE 802.11ax HE80 Mode / 5150 ~ 5250MHz (Chain 0)



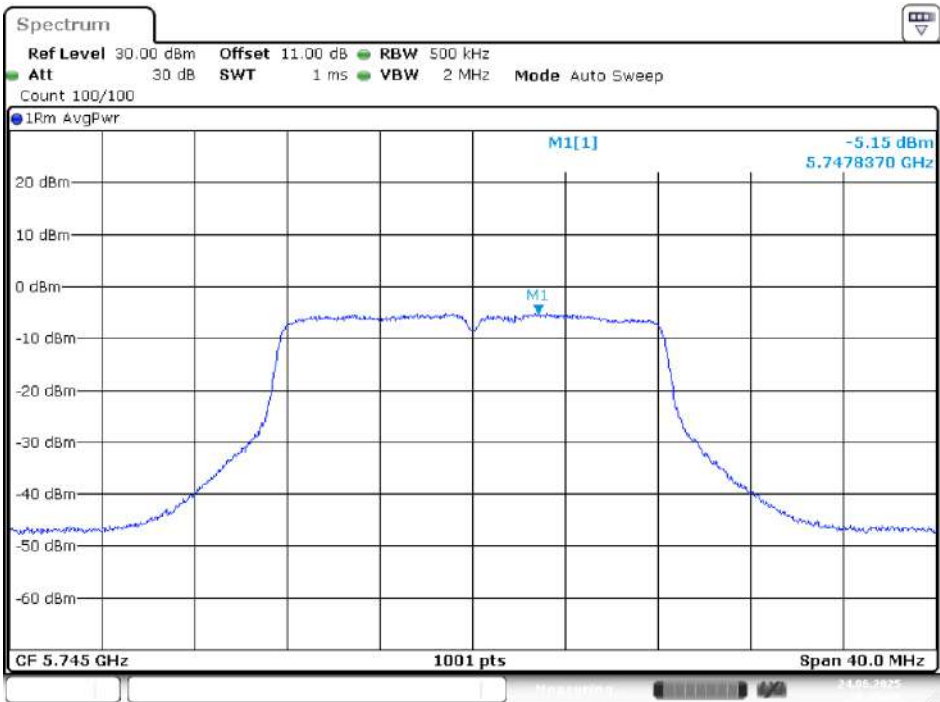
IEEE 802.11ax HE80 Mode / 5150 ~ 5250MHz (Chain 1)



UNII-3 Band IV / PSD

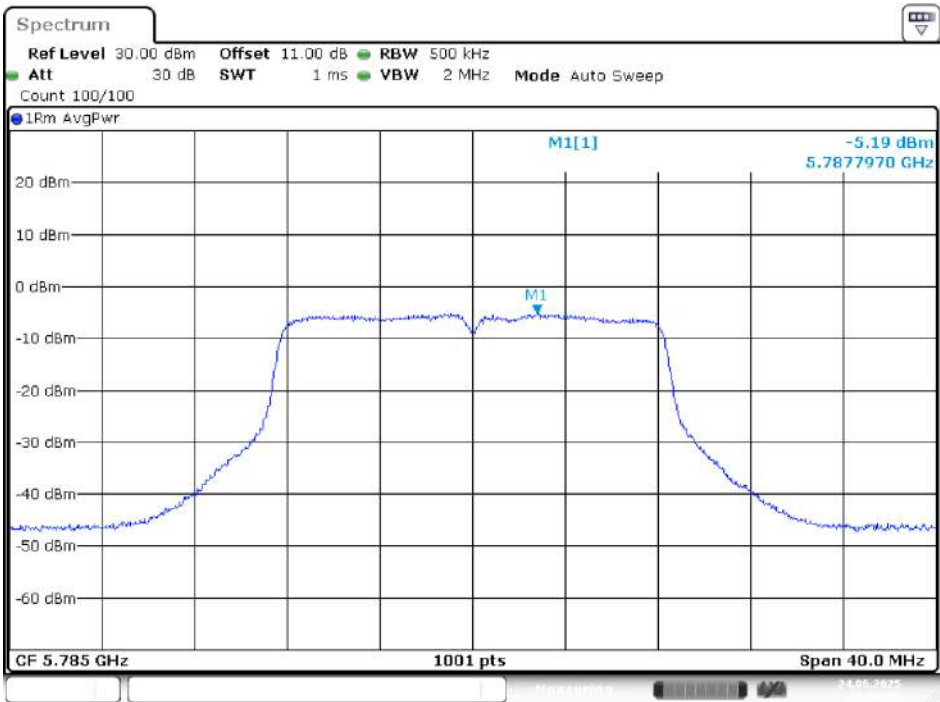
IEEE 802.11a Mode / 5725 ~ 5850MHz (Chain 0)

5745MHz



Date: 24.JUN.2025 16:15:29

5785MHz



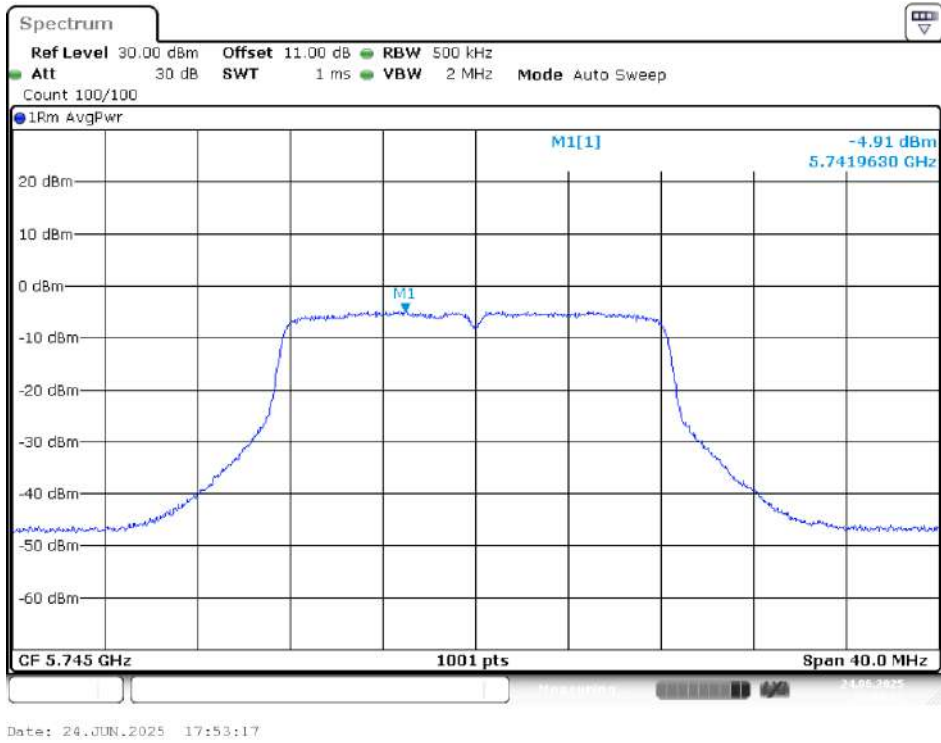
Date: 24.JUN.2025 16:19:25

5825MHz

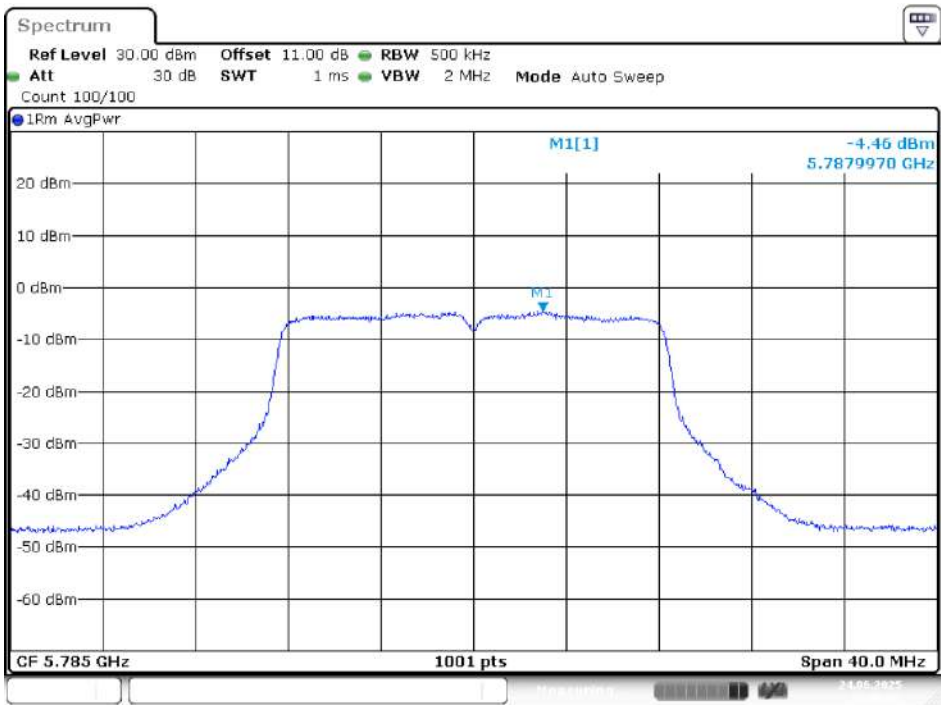


IEEE 802.11a Mode / 5725 ~ 5850MHz (Chain 1)

5745MHz



5785MHz



Date: 24.JUN.2025 17:56:27

5825MHz



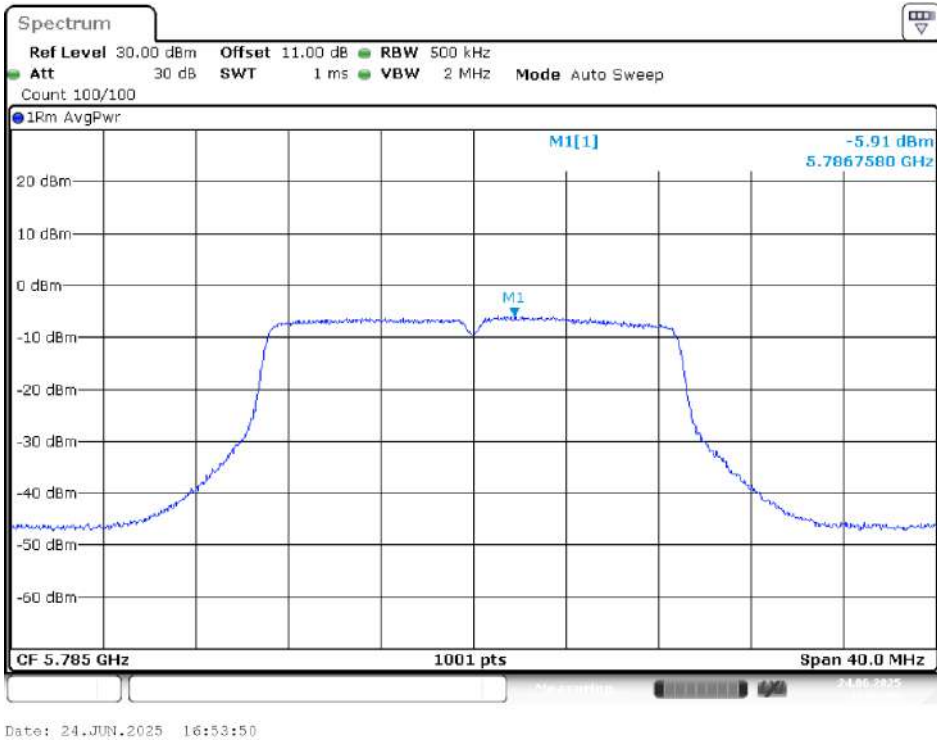
Date: 24.JUN.2025 17:58:41

IEEE 802.11ac VHT20 Mode / 5725 ~ 5850MHz (Chain 0)

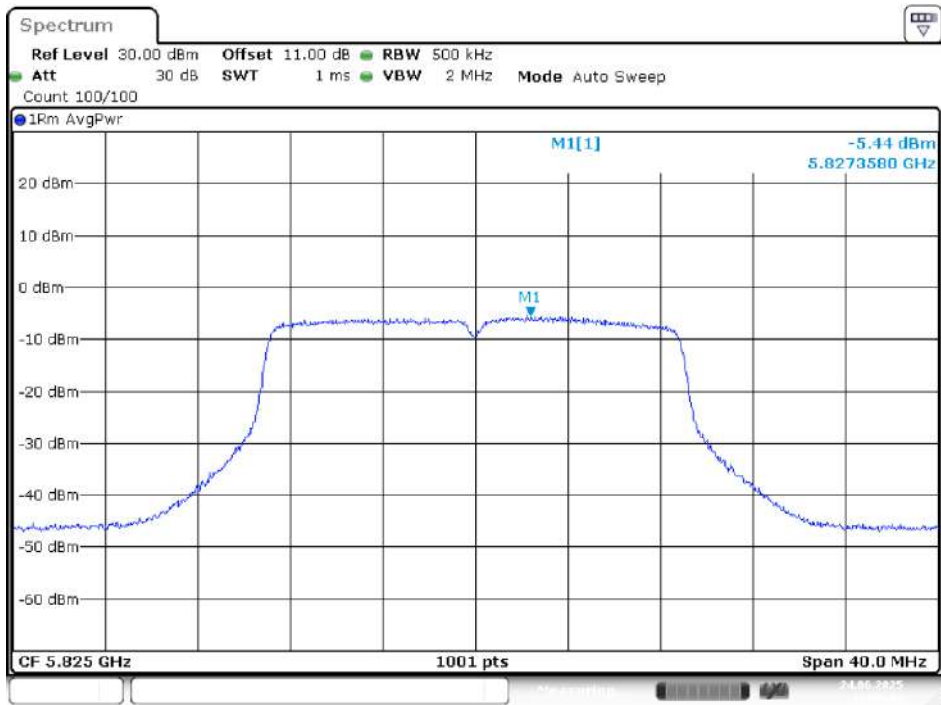
5745MHz



5785MHz



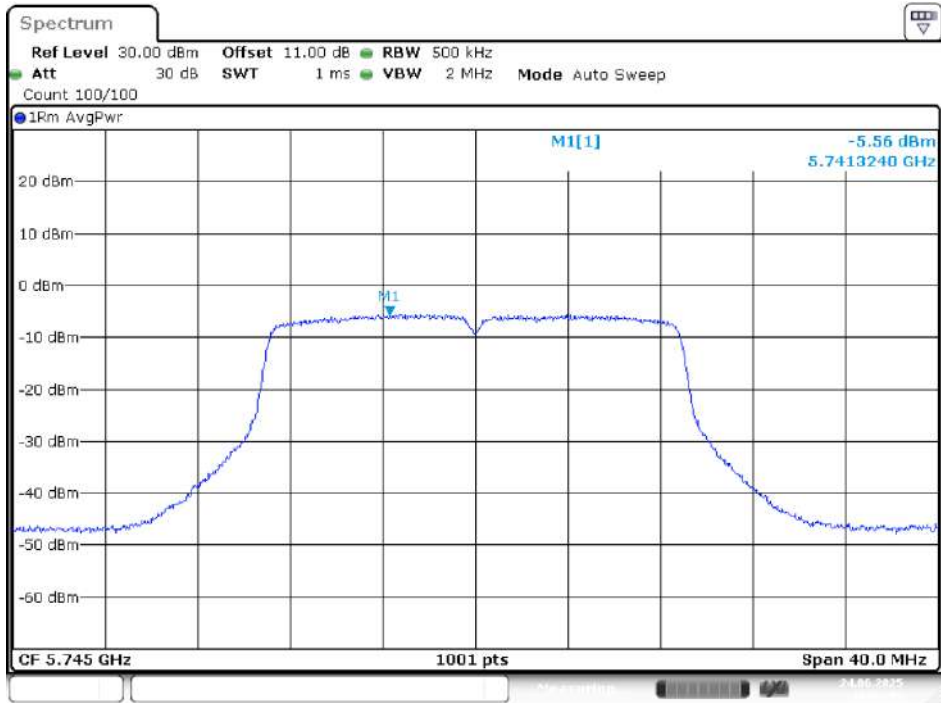
5825MHz



Date: 24.JUN.2025 16:55:54

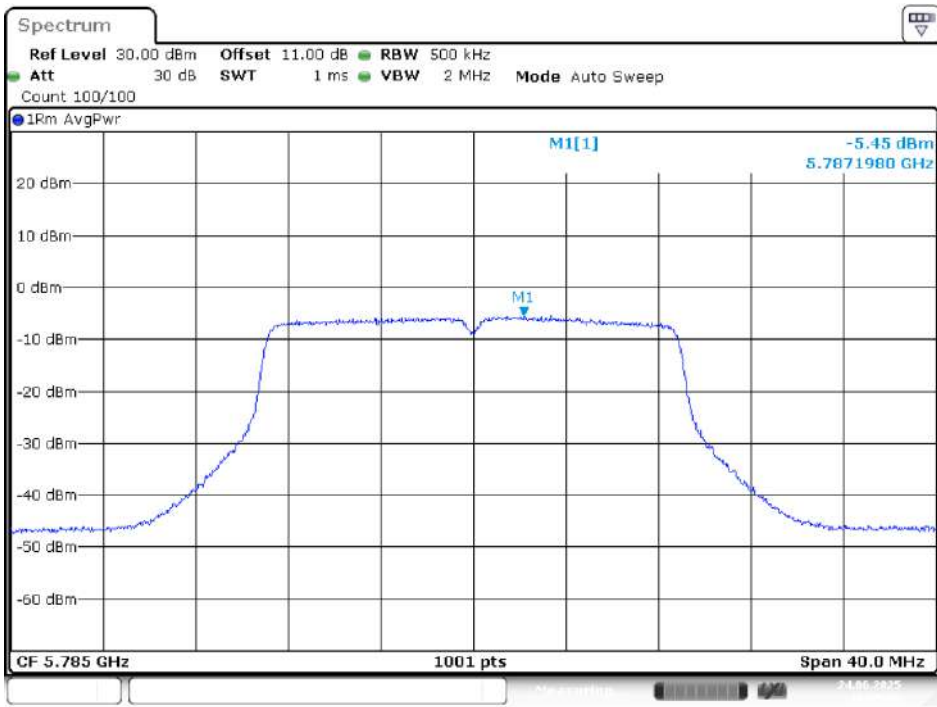
IEEE 802.11ac VHT20 Mode / 5725 ~ 5850MHz (Chain 1)

5745MHz



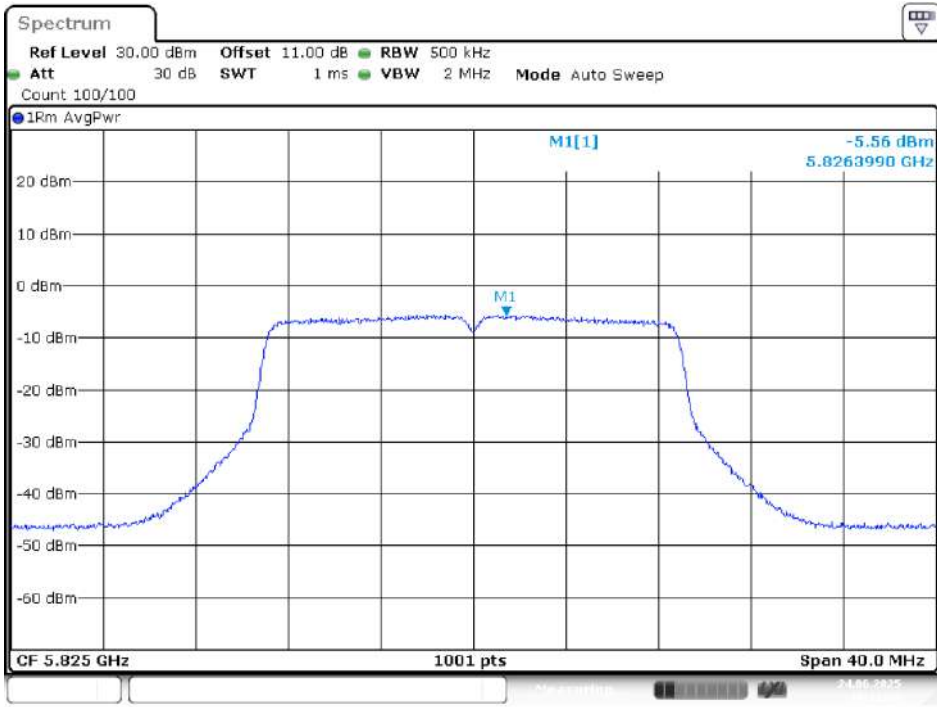
Date: 24.JUN.2025 18:07:05

5785MHz



Date: 24.JUN.2025 18:09:06

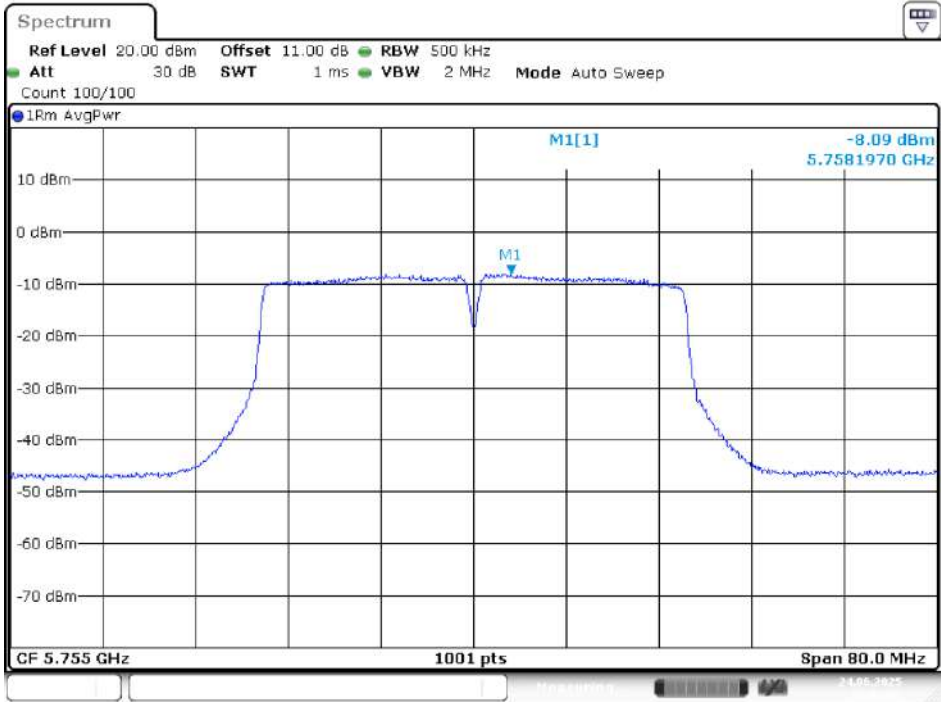
5825MHz



Date: 24.JUN.2025 18:11:10

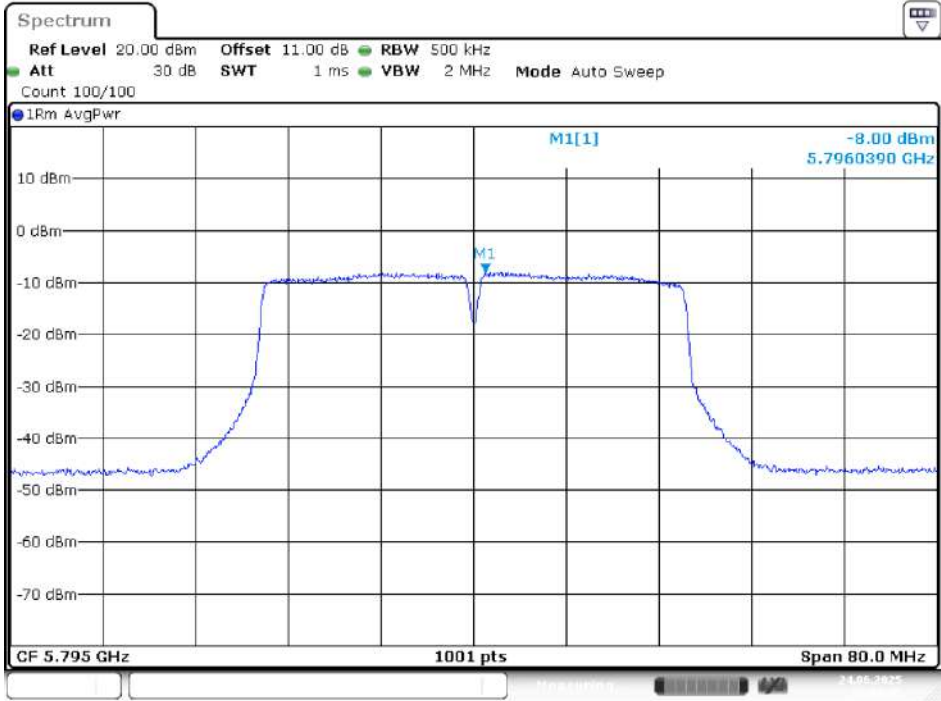
IEEE 802.11ac VHT40 Mode / 5725 ~ 5850MHz (Chain 0)

5755MHz



Date: 24.JUN.2025 17:02:37

5795MHz



Date: 24.JUN.2025 17:04:45

IEEE 802.11ac VHT40 Mode / 5725 ~ 5850MHz (Chain 1)

5755MHz



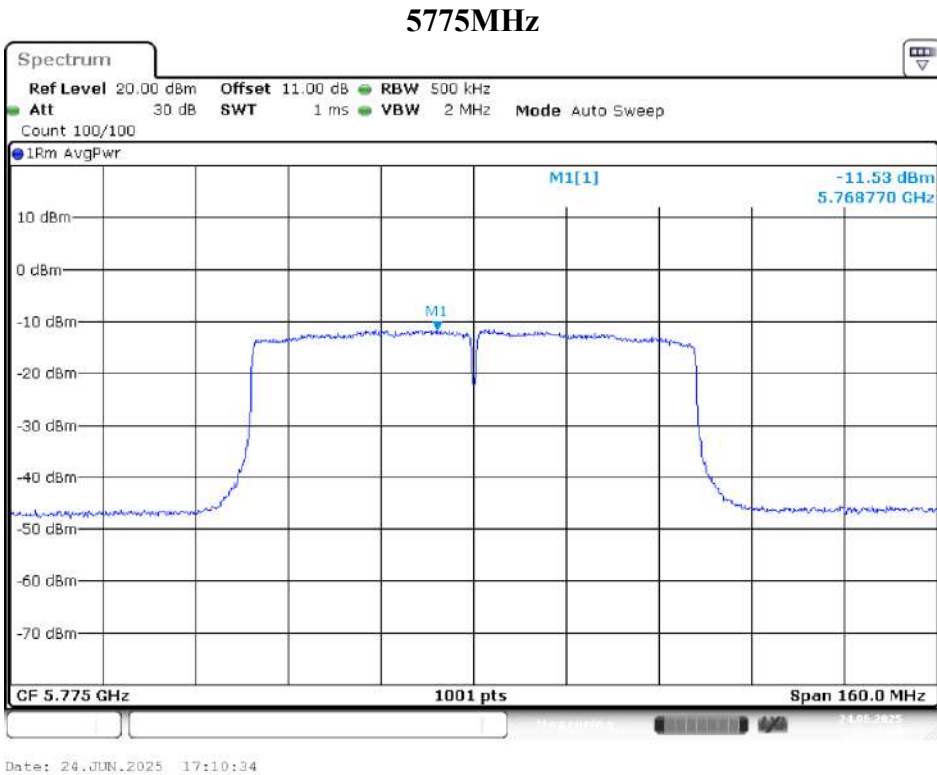
Date: 24.JUN.2025 18:18:27

5795MHz

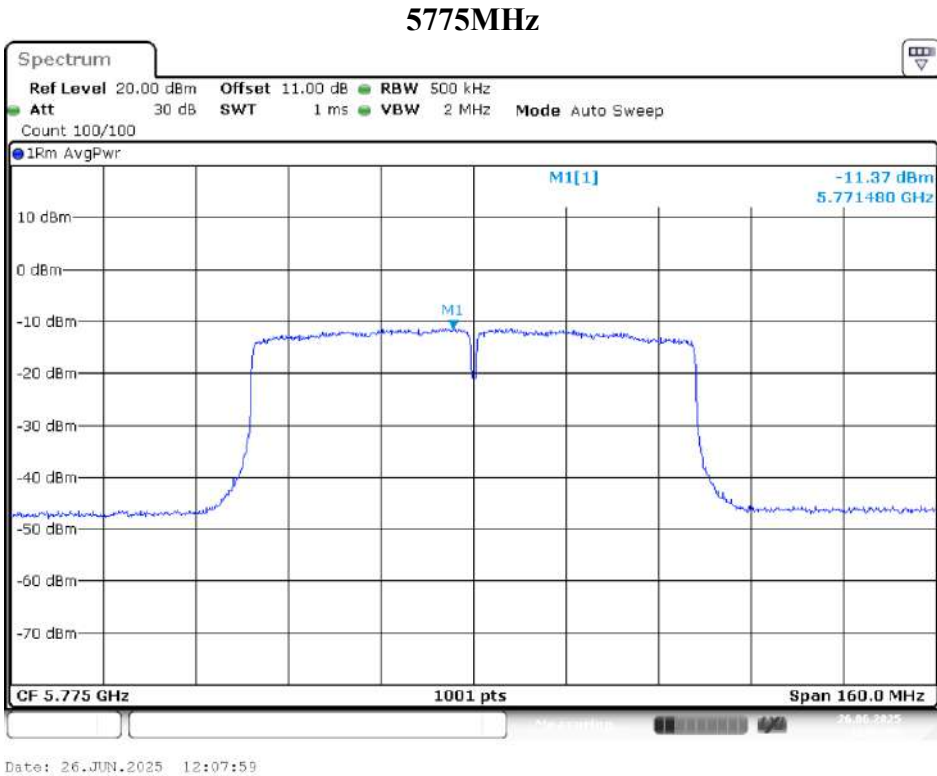


Date: 24.JUN.2025 18:20:38

IEEE 802.11ac VHT80 Mode / 5725 ~ 5850MHz (Chain 0)

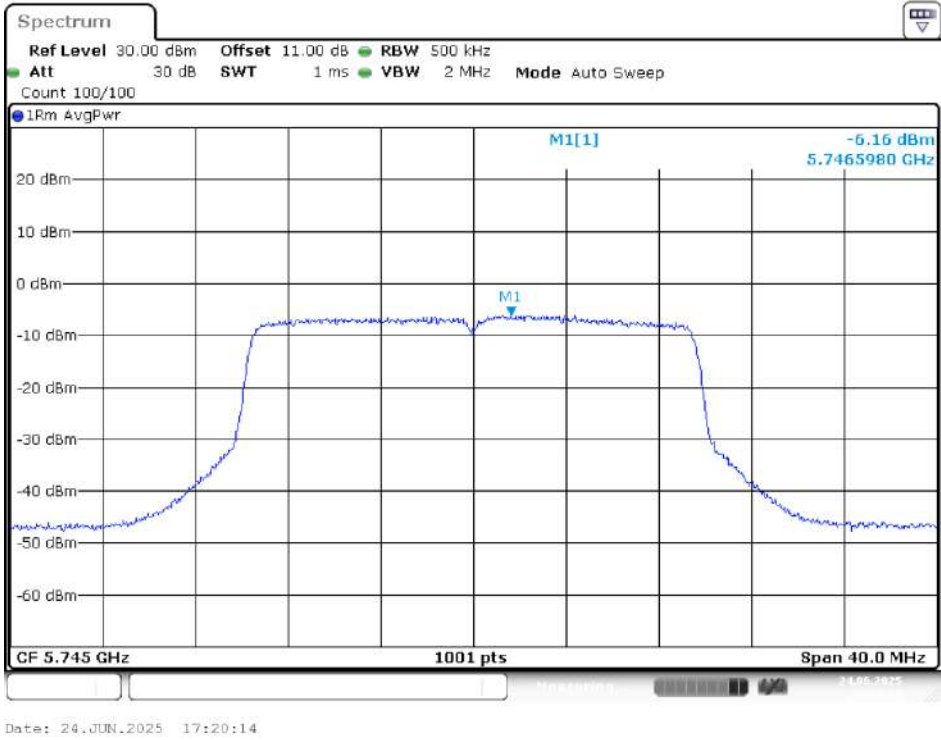


IEEE 802.11ac VHT80 Mode / 5725 ~ 5850MHz (Chain 1)

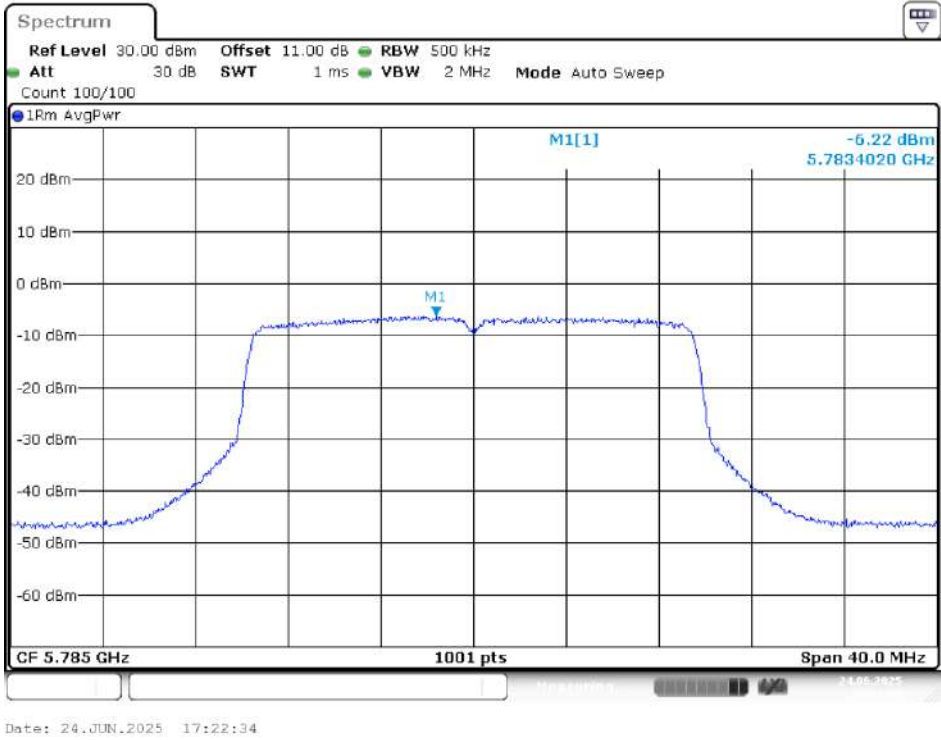


IEEE 802.11ax HE20 Mode / 5725 ~ 5850MHz (Chain 0)

5745MHz



5785MHz



5825MHz

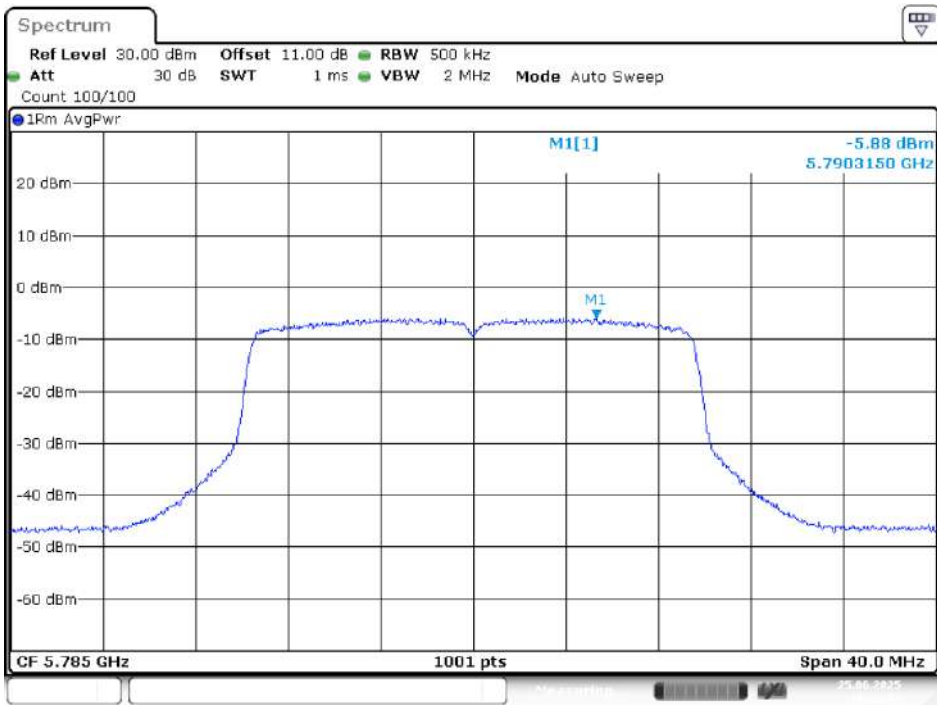


IEEE 802.11ax HE20 Mode / 5725 ~ 5850MHz (Chain 1)

5745MHz

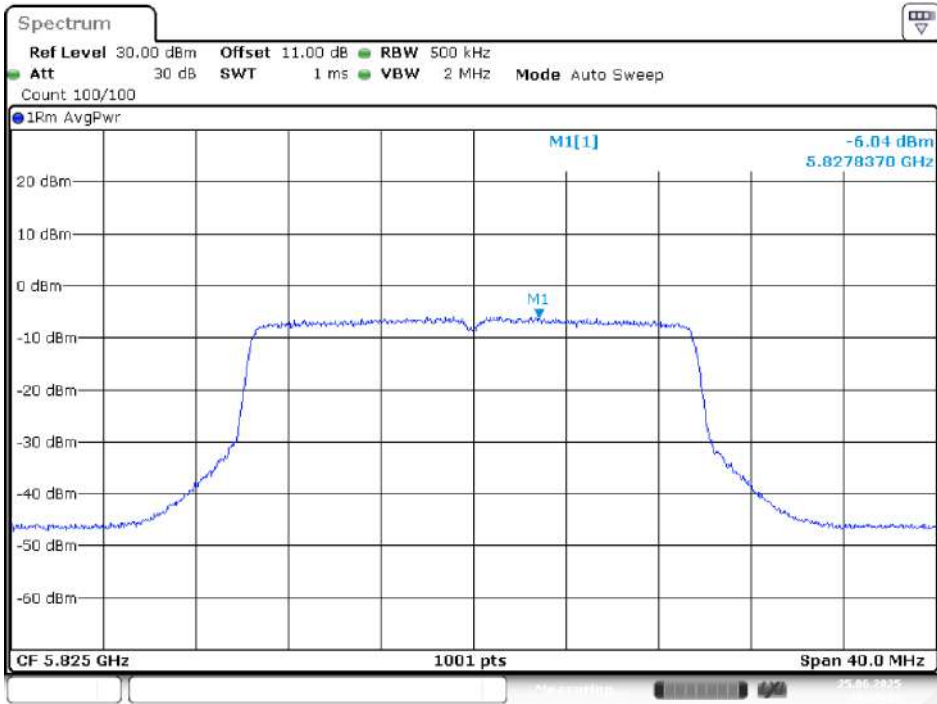


5785MHz



Date: 25.JUN.2025 10:22:52

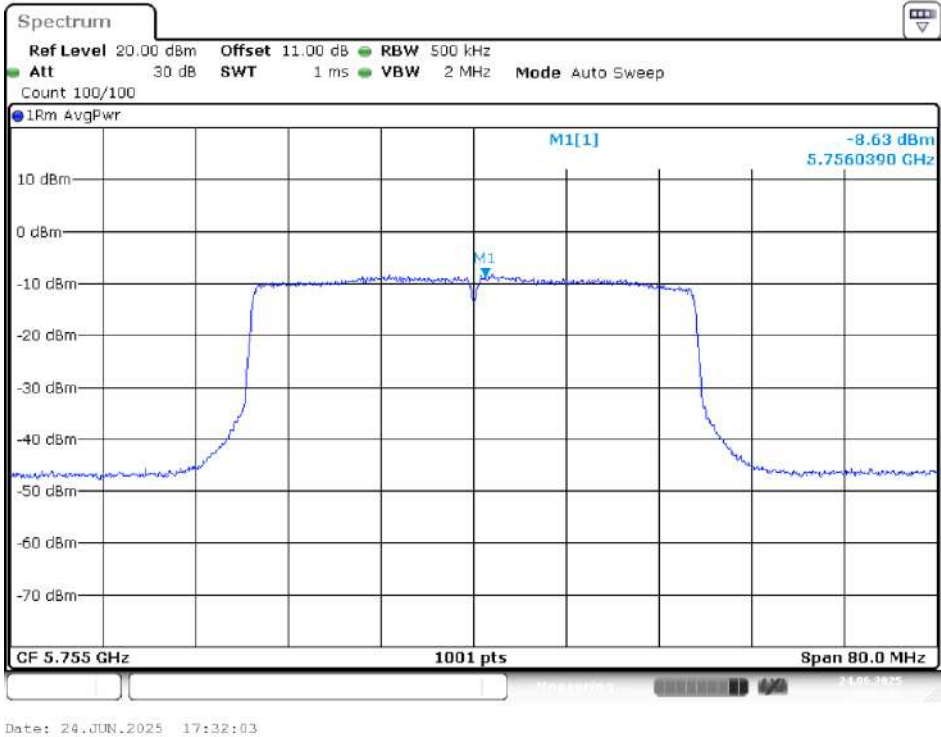
5825MHz



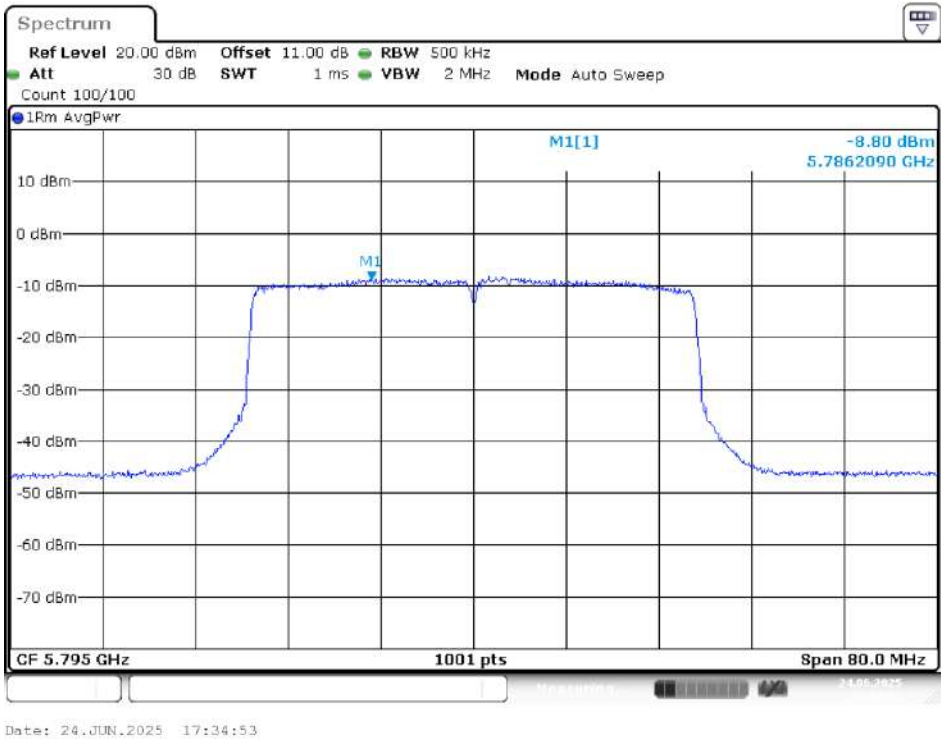
Date: 25.JUN.2025 10:25:21

IEEE 802.11ax HE40 Mode / 5725 ~ 5850MHz (Chain 0)

5755MHz



5795MHz



IEEE 802.11ax HE40 Mode / 5725 ~ 5850MHz (Chain 1)

5755MHz



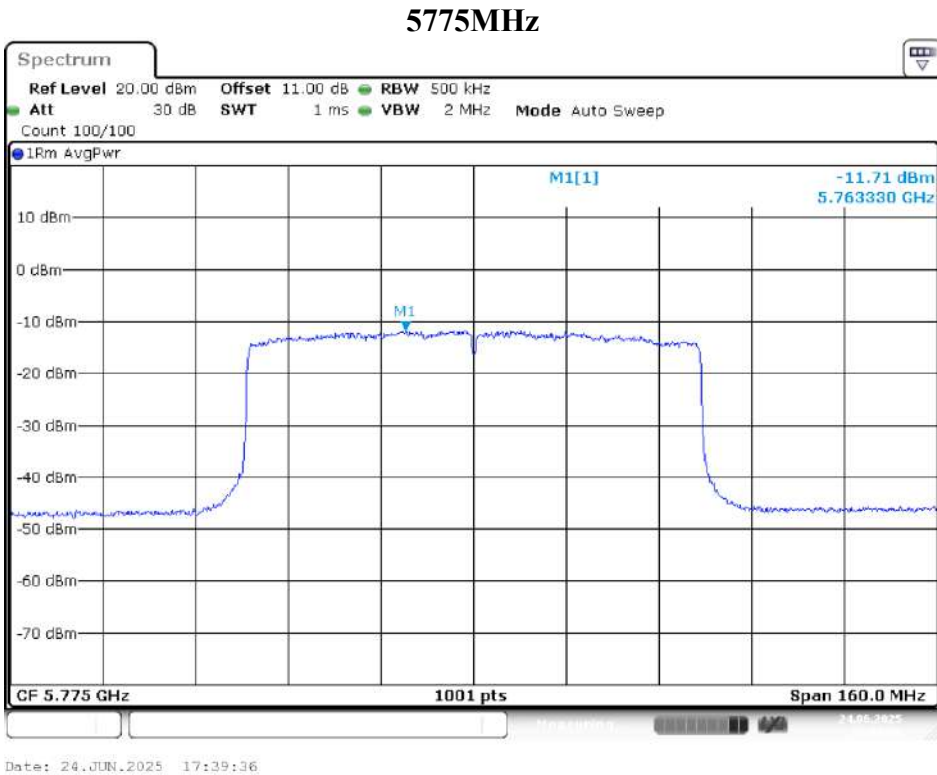
Date: 25.JUN.2025 10:37:25

5795MHz

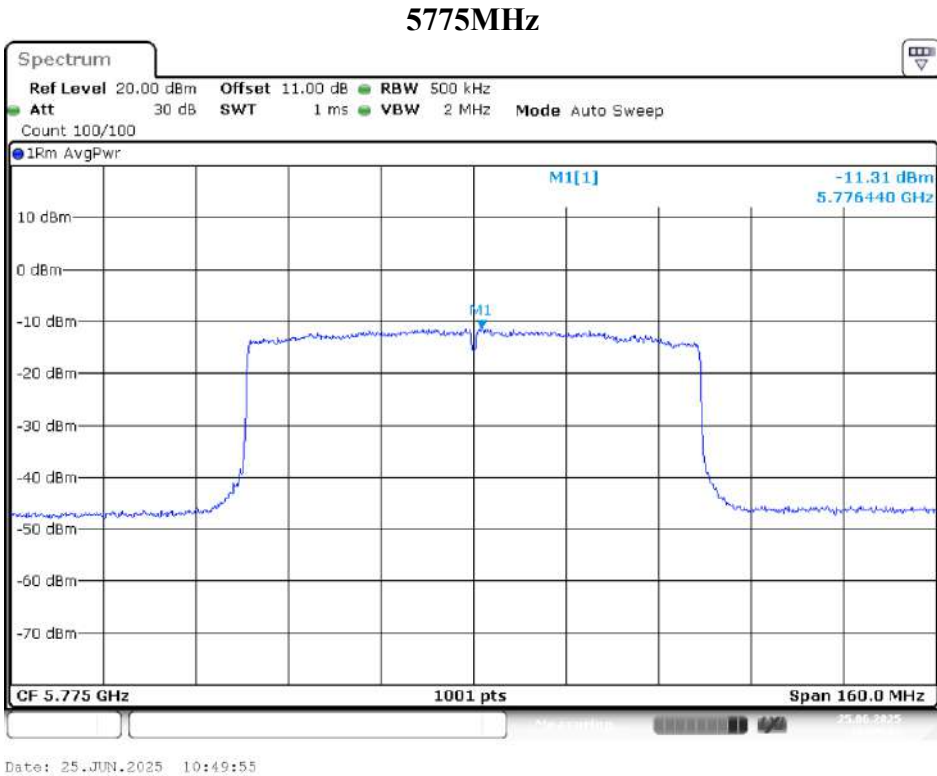


Date: 25.JUN.2025 10:40:26

IEEE 802.11ax HE80 Mode / 5725 ~ 5850MHz (Chain 0)



IEEE 802.11ax HE80 Mode / 5725 ~ 5850MHz (Chain 1)



12 RSS-247 §6.4 – Additional requirements

12.1 Applicable Standard

According to RSS-247 Clause 6.4 Additional requirement

The following requirements shall apply:

- a. The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. A description on how this is done shall accompany the application for equipment certification. Note that this is not intended to prohibit transmission of control or signalling information or the use of repetitive codes where required by the technology.
- b. All LE-LAN devices must contain security features to protect against modification of software by unauthorized parties.

Manufacturers must implement security features in any digitally modulated devices capable of operating in any of the frequency ranges within the 5 GHz band, so that third parties are not able to reprogram the device to operate outside the parameters for which the device was certified. The software must prevent the user from operating the transmitter with operating frequencies, output power, modulation types or other radio frequency parameters outside those that were approved for the device. Manufacturers may use various means, including the use of a private network that allows only authenticated users to download software, electronic signatures in software or coding in hardware that is decoded by software to verify that new software can be legally loaded into a device to meet these requirements and must describe the methods in their application for equipment certification.

Manufacturers must take steps to ensure that DFS functionality cannot be disabled by the operator of the LE-LAN device.

- c. The user manual for LE-LAN devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:
 - i. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;Footnote4
 - ii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
 - iii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
 - iv. where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

12.2 Judgment

RSS-247 Clause 6.4 a):

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. Please refer to the declaration

RSS-247 Clause 6.4 b):

The devices must contain security features to protect against modification of software by unauthorized parties. Please refer to the declaration

RSS-247 Clause 6.4 c):

i). The device operates on 5150-5250MHz is only for indoor use.

ii). The device not support 5250-5350MHz / 5470-5725MHz

iii). The EIPR compliance with RSS-247 requirement. Please refer to the conducted output power test result.

iv). Not Applicable.

******* END OF REPORT *******