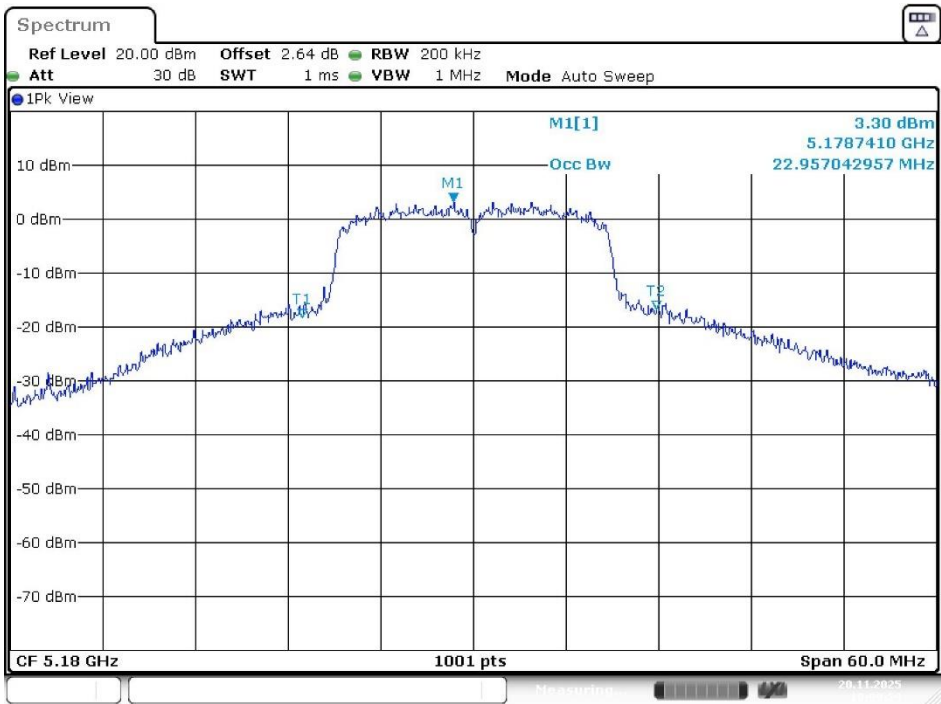


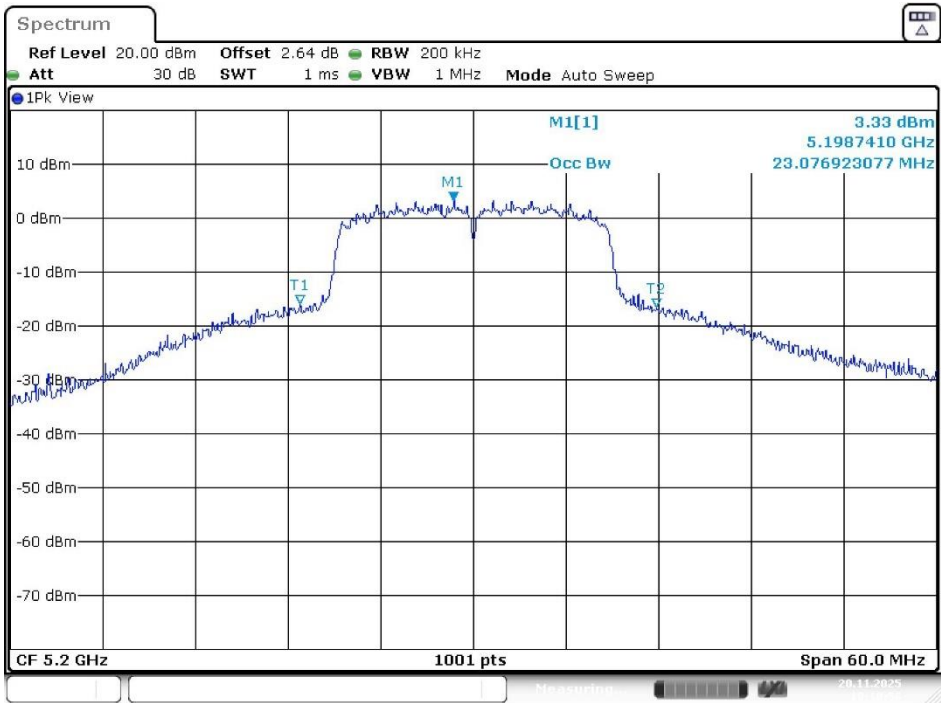
802.11 ac20 Mode / 5150 ~ 5250MHz

5180MHz



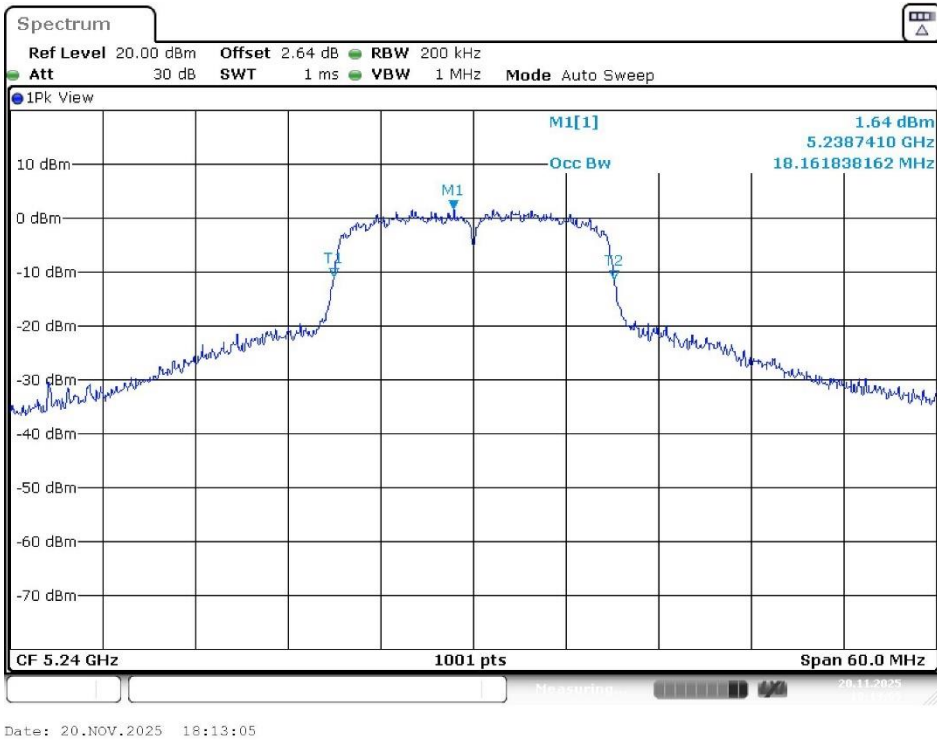
Date: 20.NOV.2025 18:09:29

5200MHz



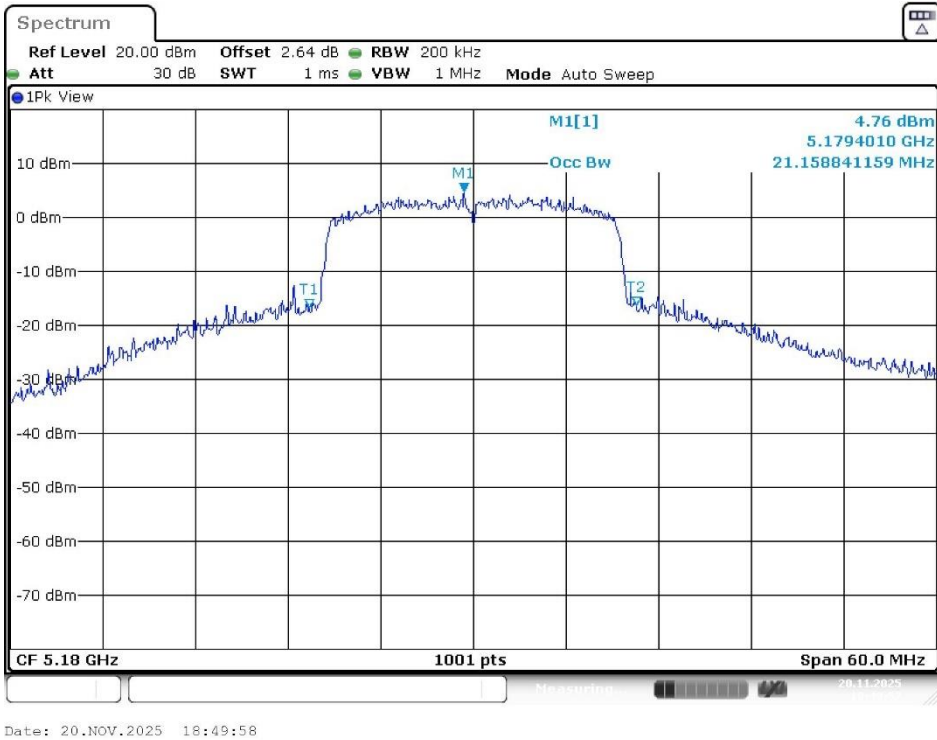
Date: 20.NOV.2025 18:10:58

5240MHz

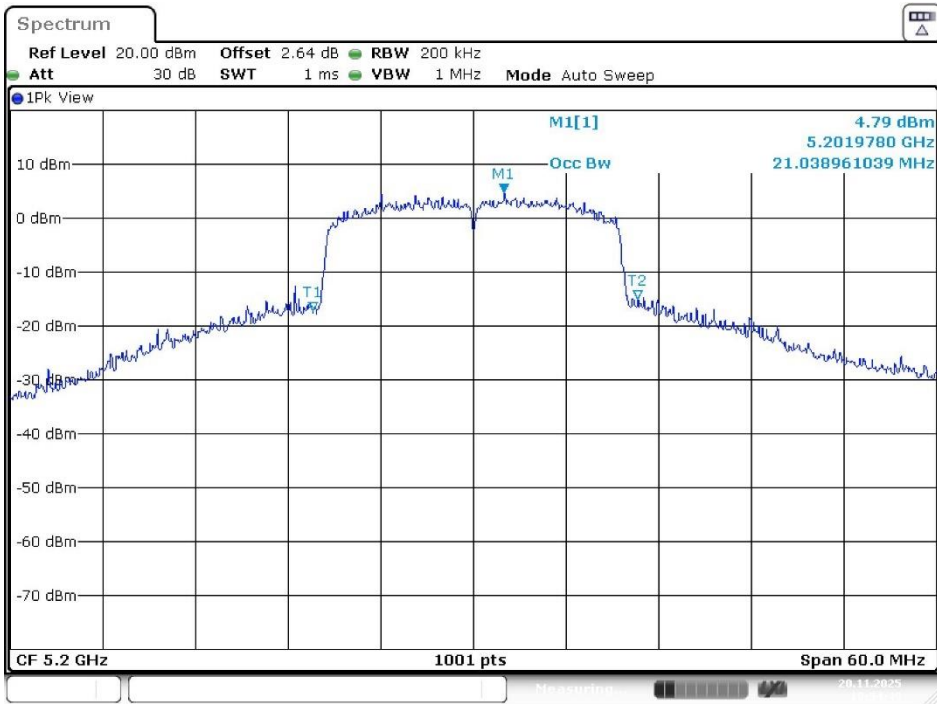


802.11 ax20 Mode / 5150 ~ 5250MHz

5180MHz

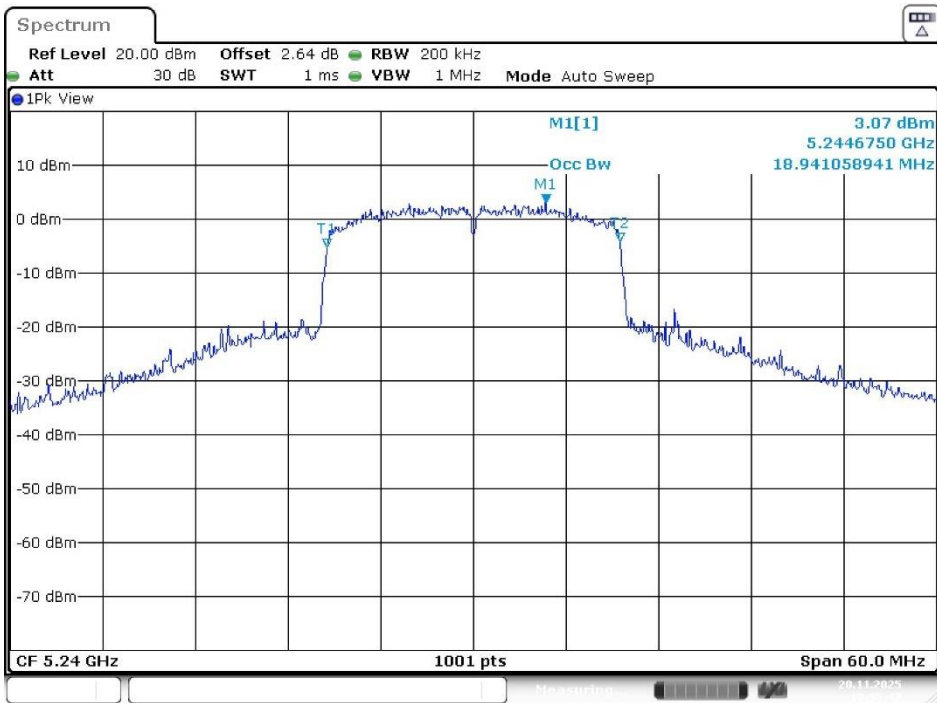


5200MHz



Date: 20.NOV.2025 18:54:50

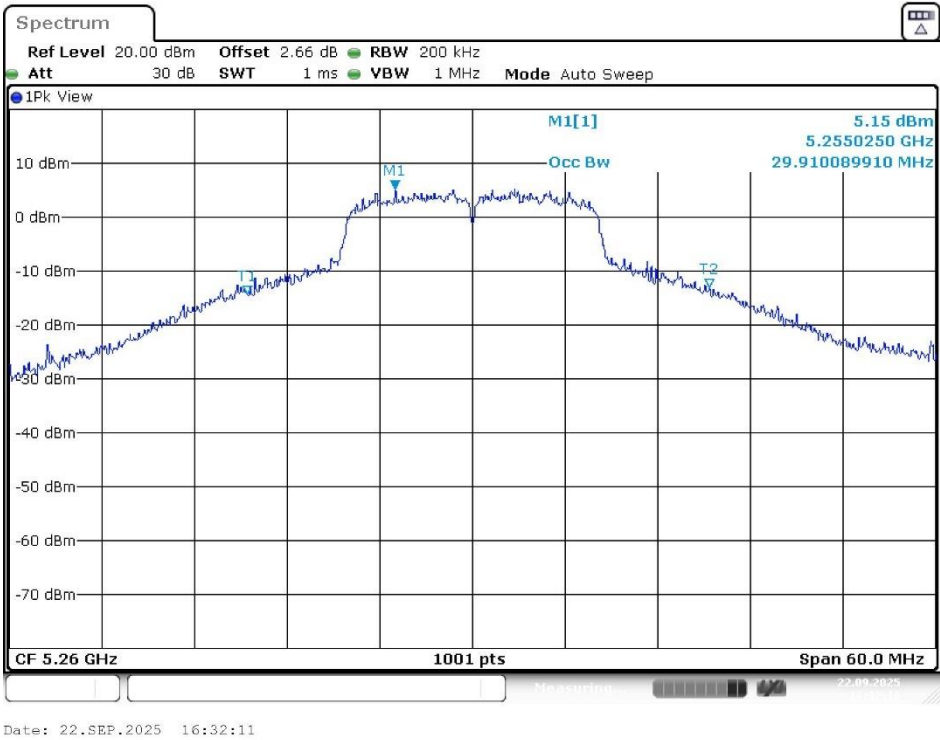
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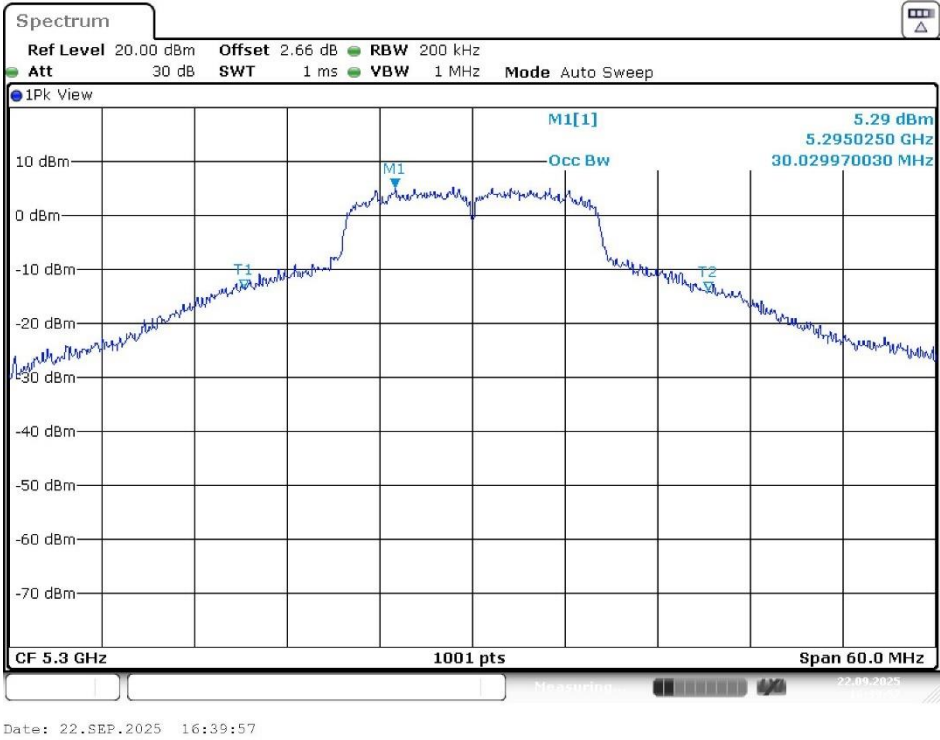
Date: 20.NOV.2025 18:55:48

802.11a Mode / 5250 ~ 5350MHz

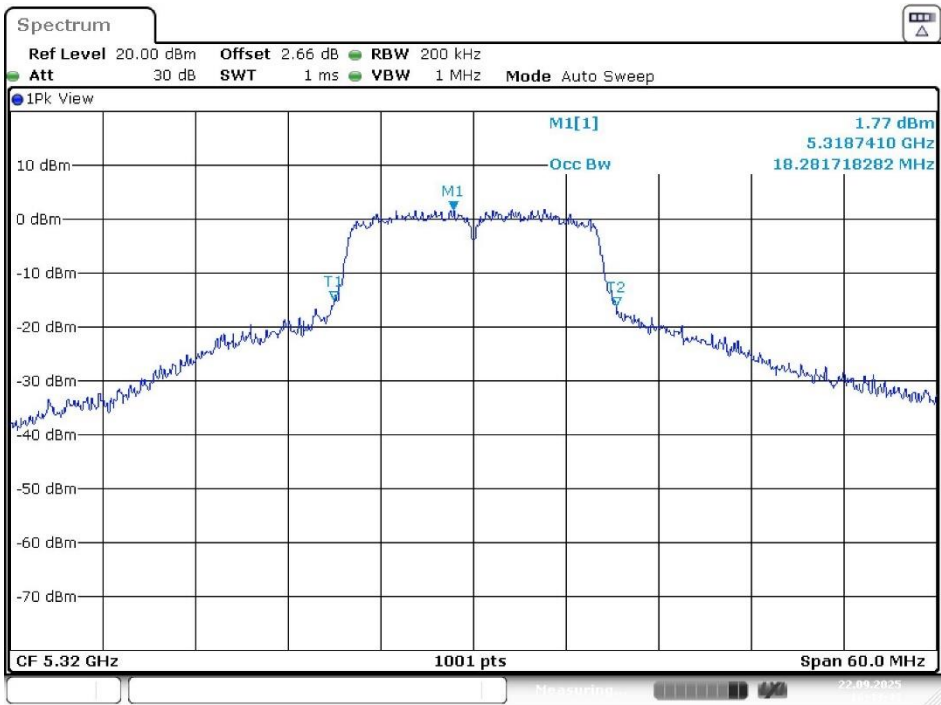
5260MHz



5300MHz



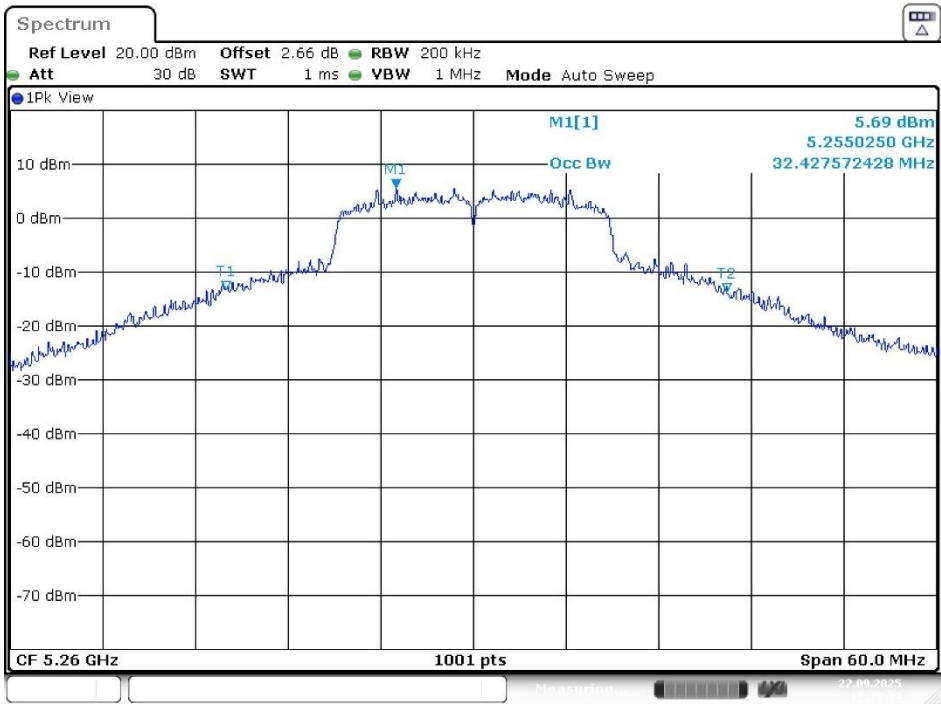
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Date: 22.SEP.2025 16:43:44

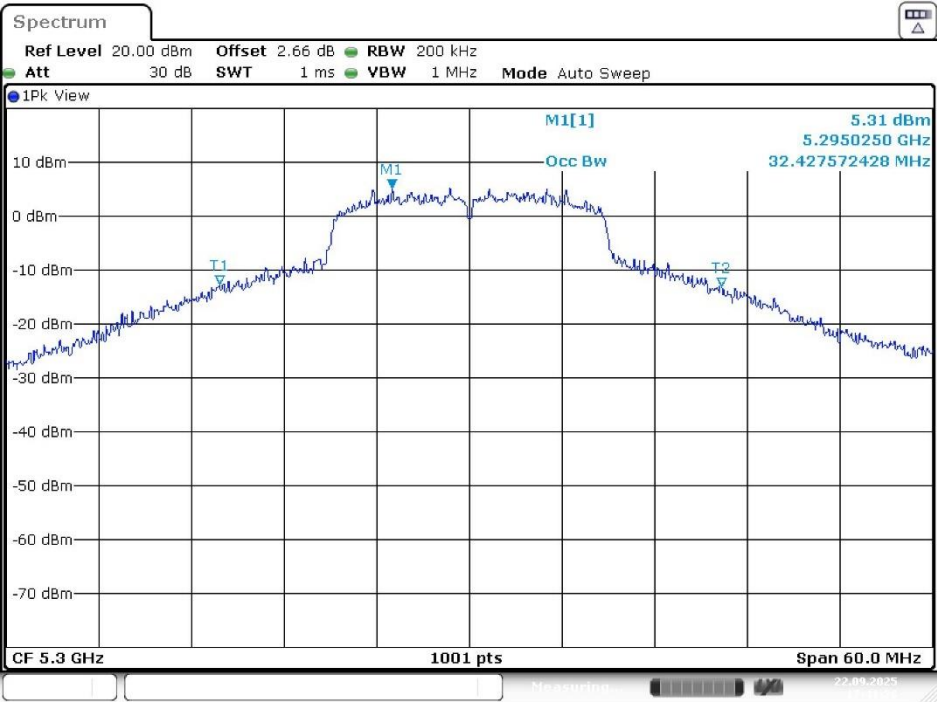
802.11 n20 Mode / 5250 ~ 5350MHz

5260MHz



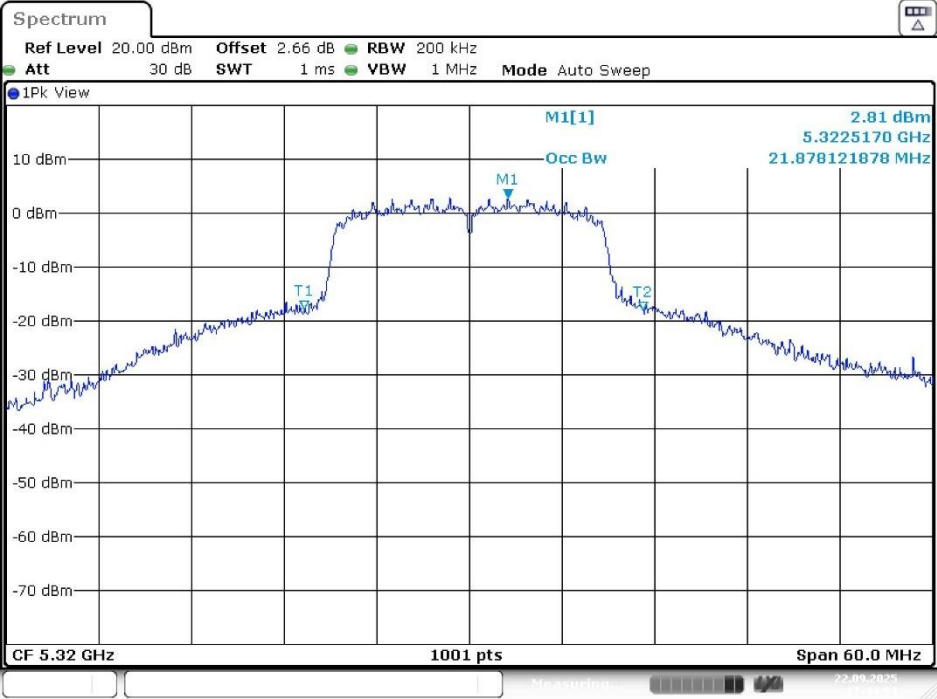
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5300MHz



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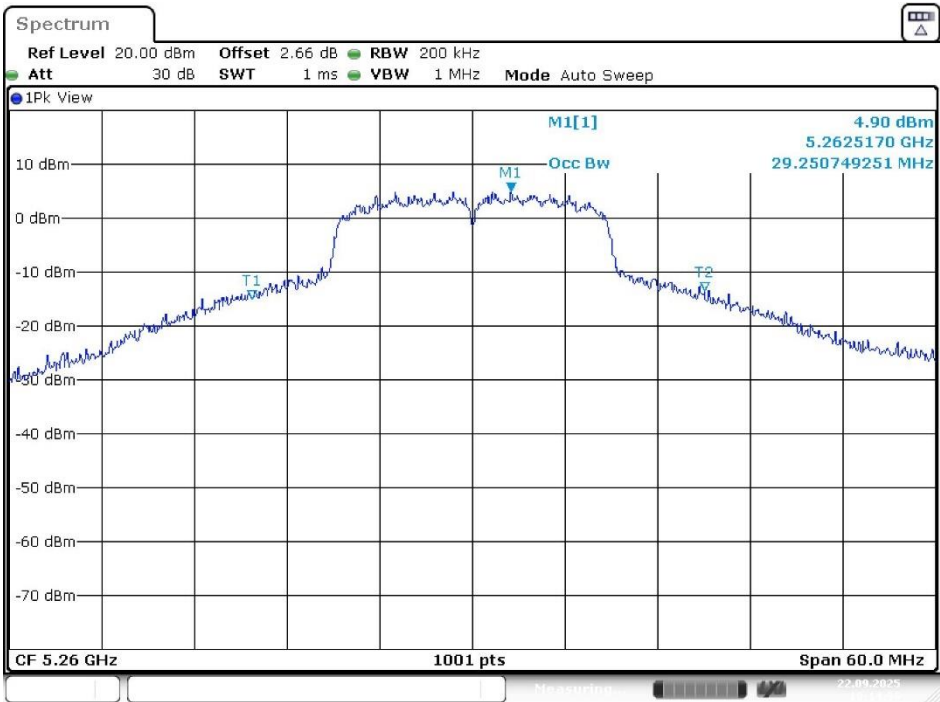
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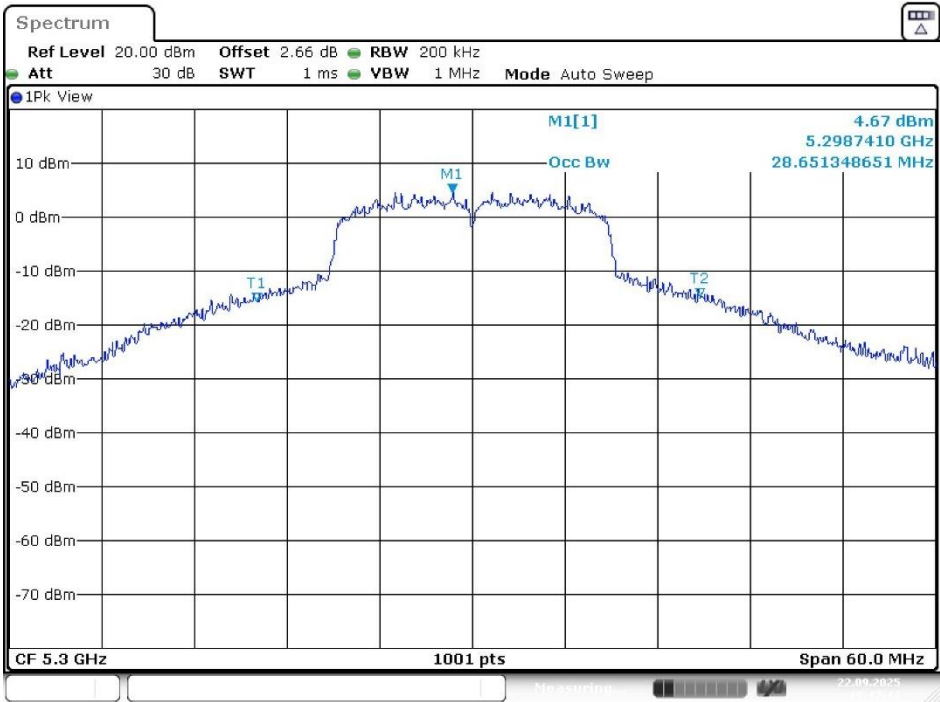
802.11 ac20 Mode / 5250 ~ 5350MHz

5260MHz



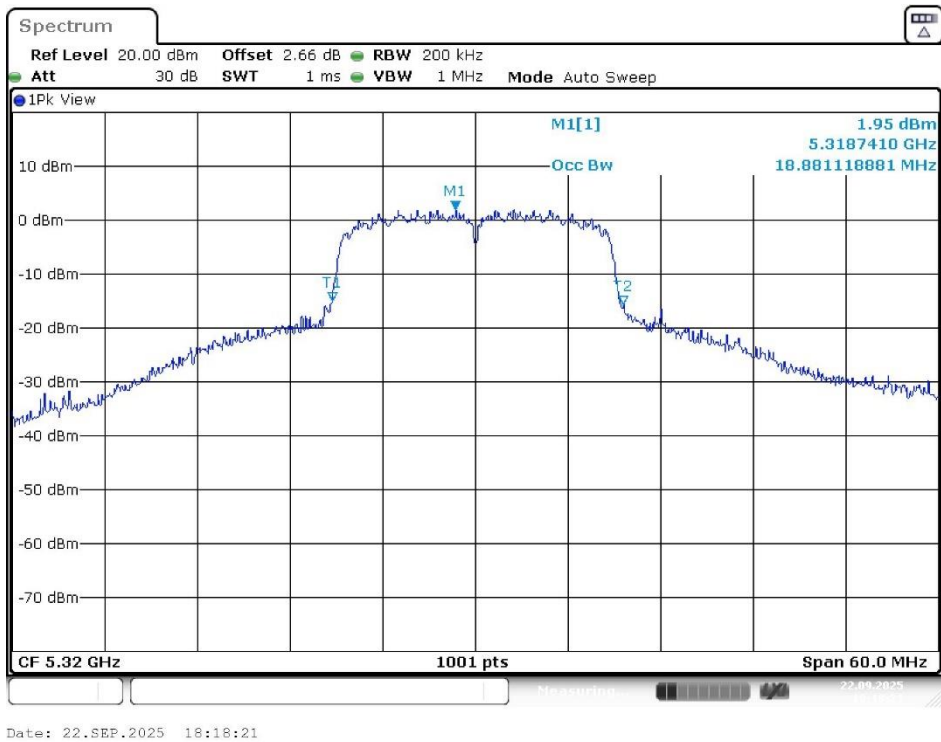
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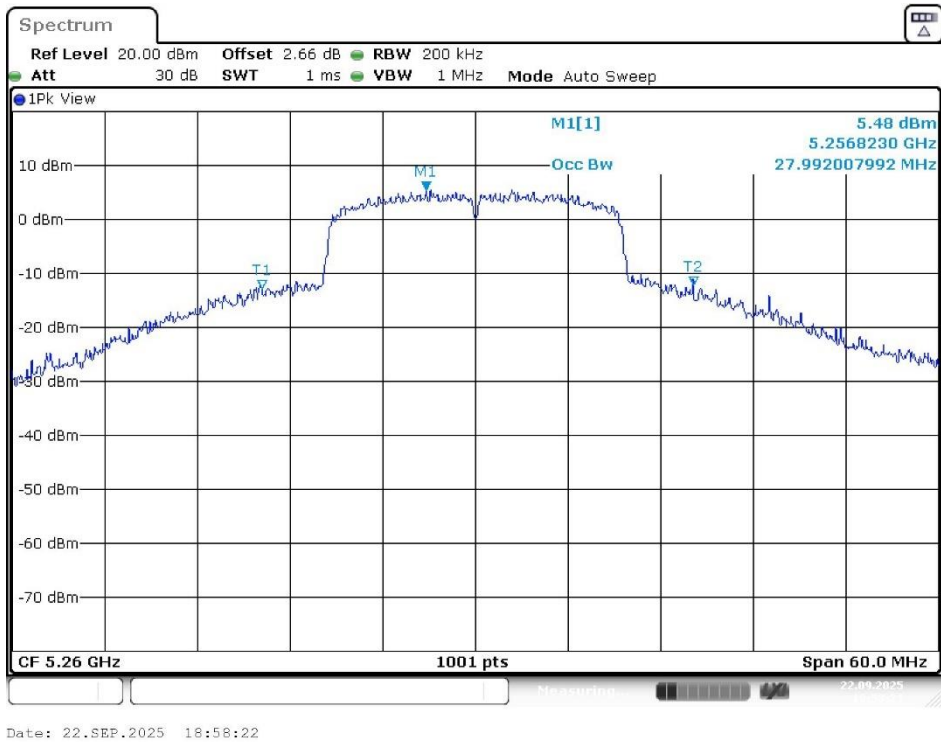
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5320MHz

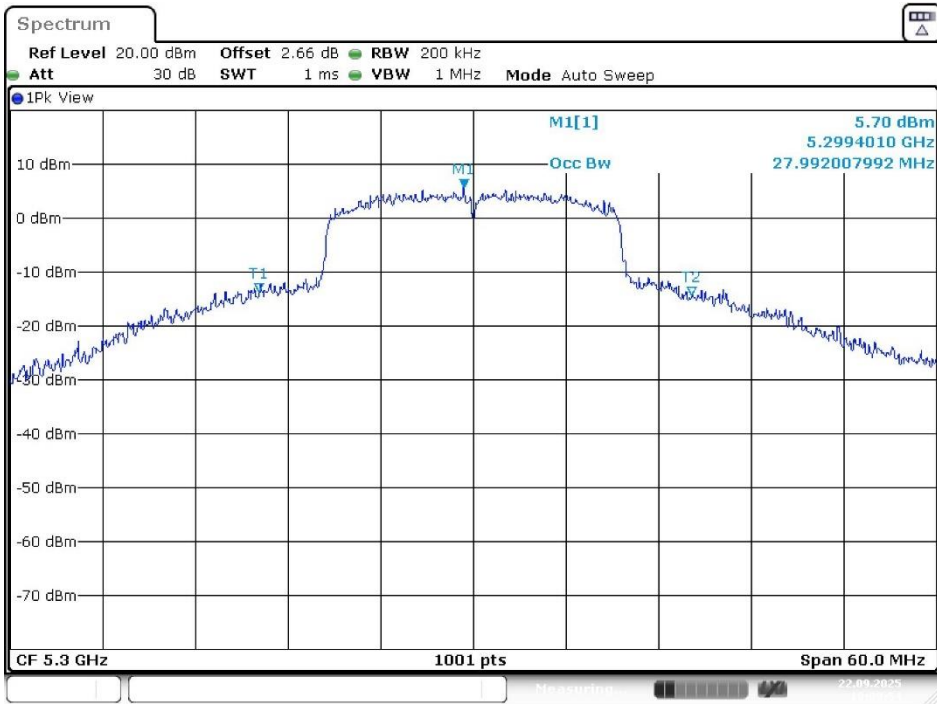


802.11 ax20 Mode / 5250 ~ 5350MHz

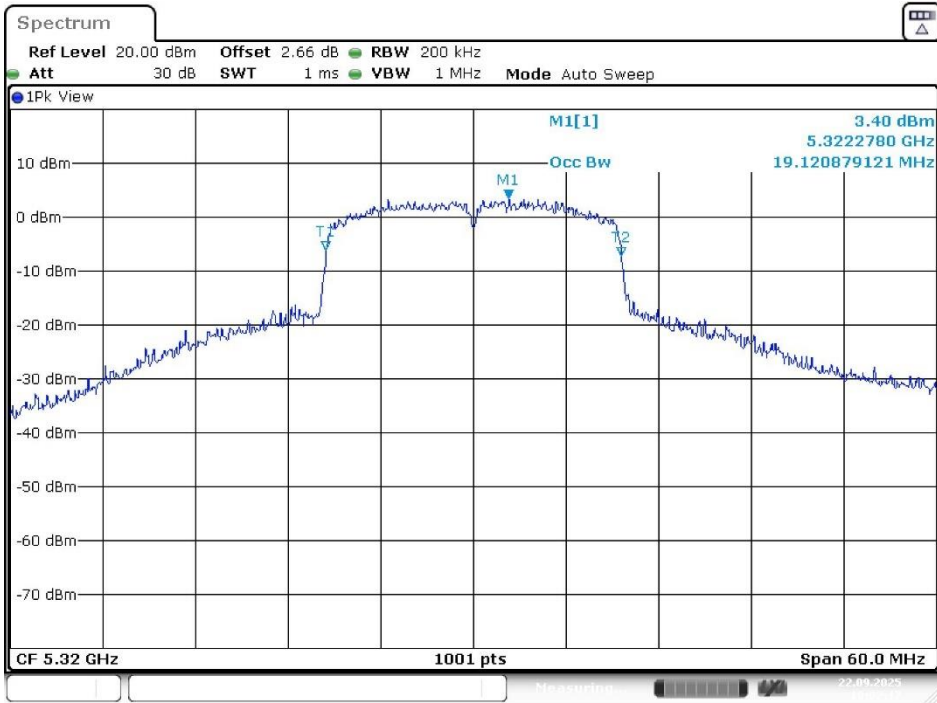
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5300MHz

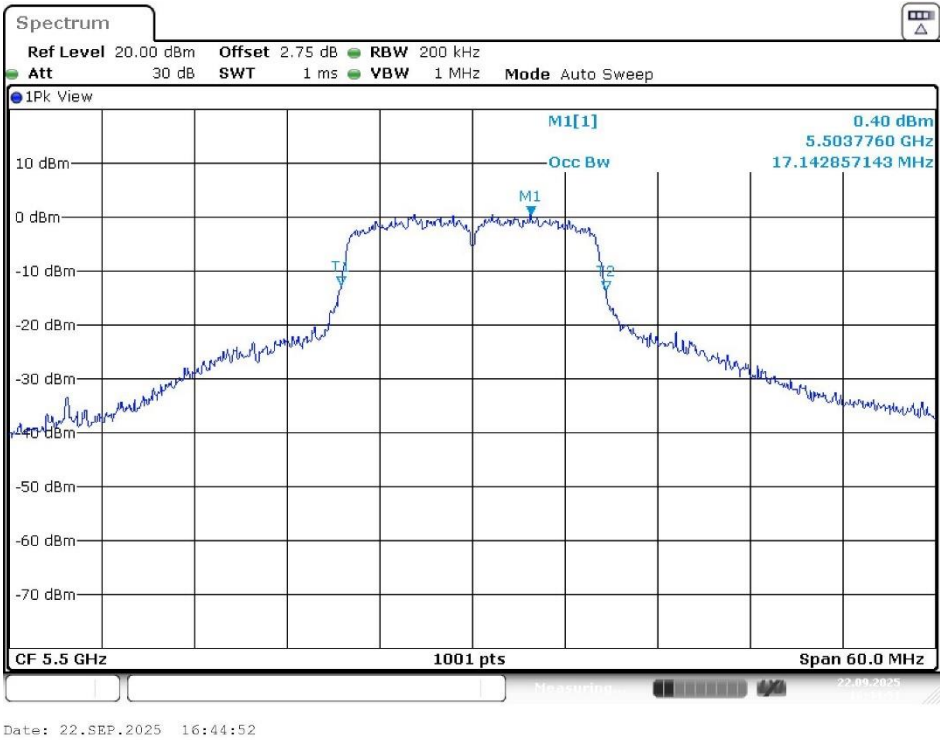


5320MHz

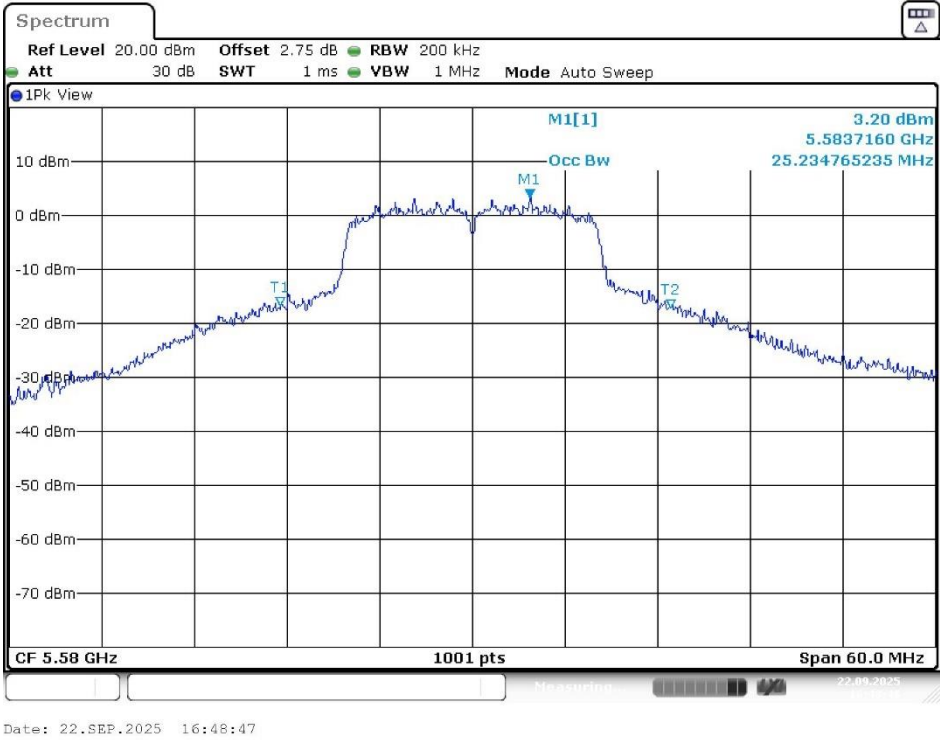


802.11a Mode / 5470 ~ 5725MHz

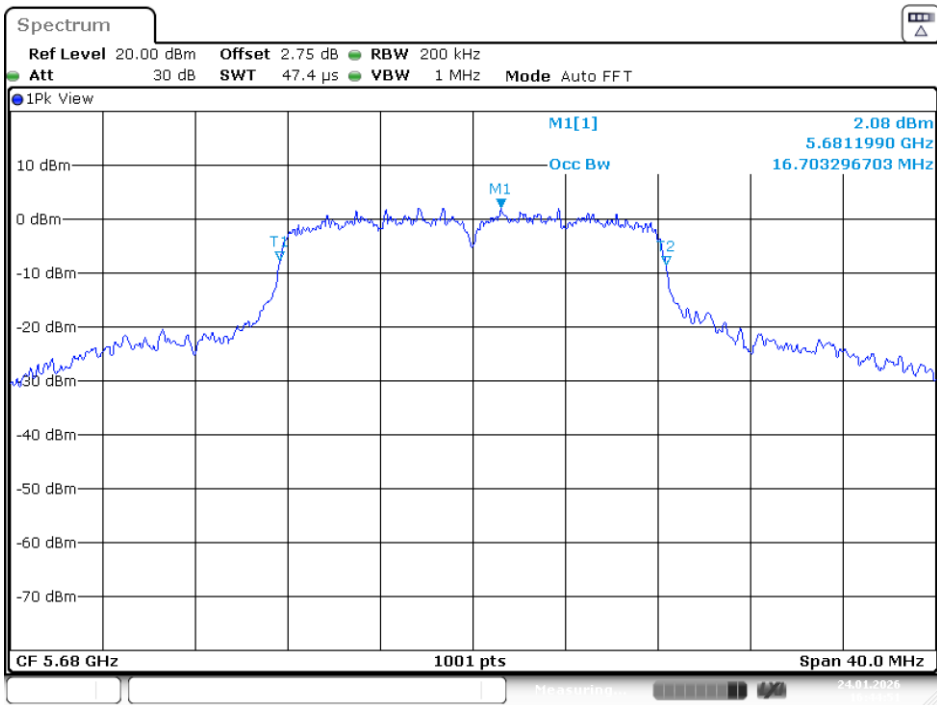
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5580MHz

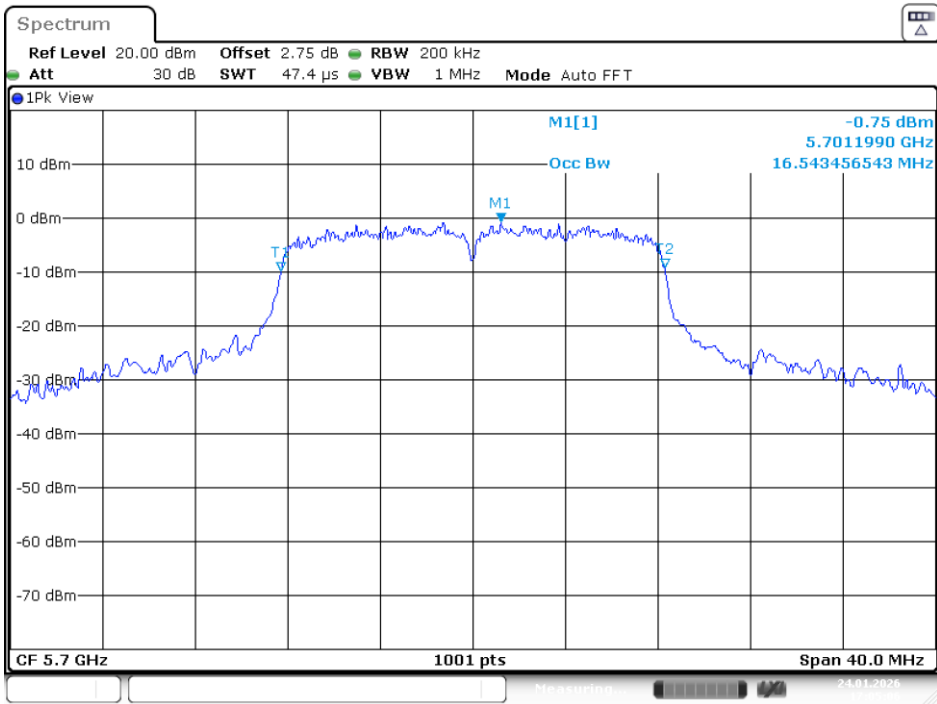


5680MHz



Date: 24.JAN.2026 16:44:51

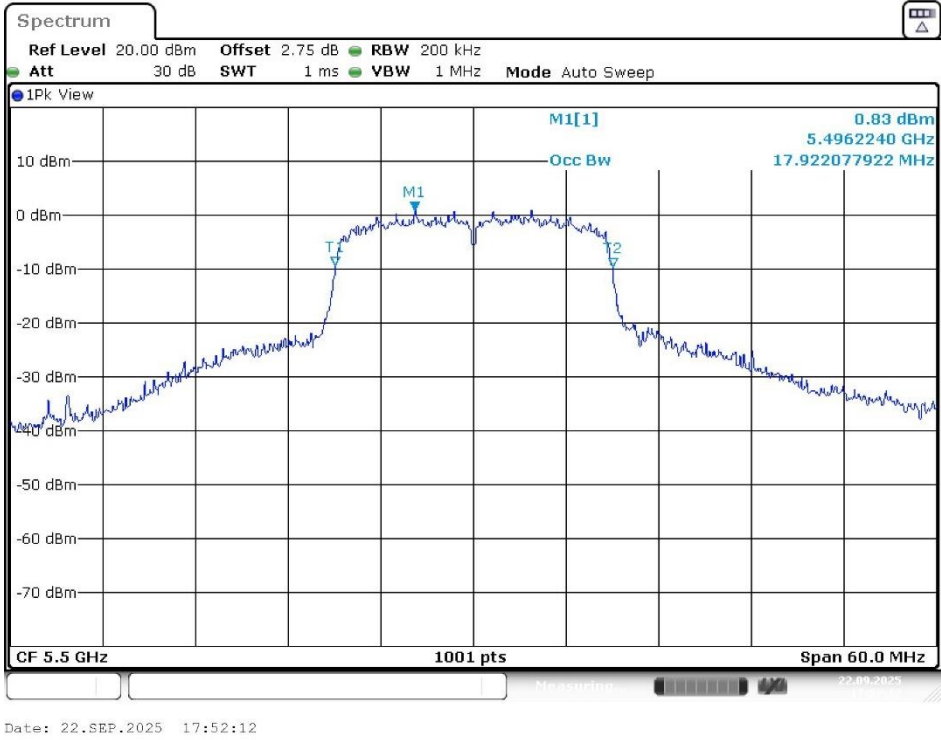
5700MHz



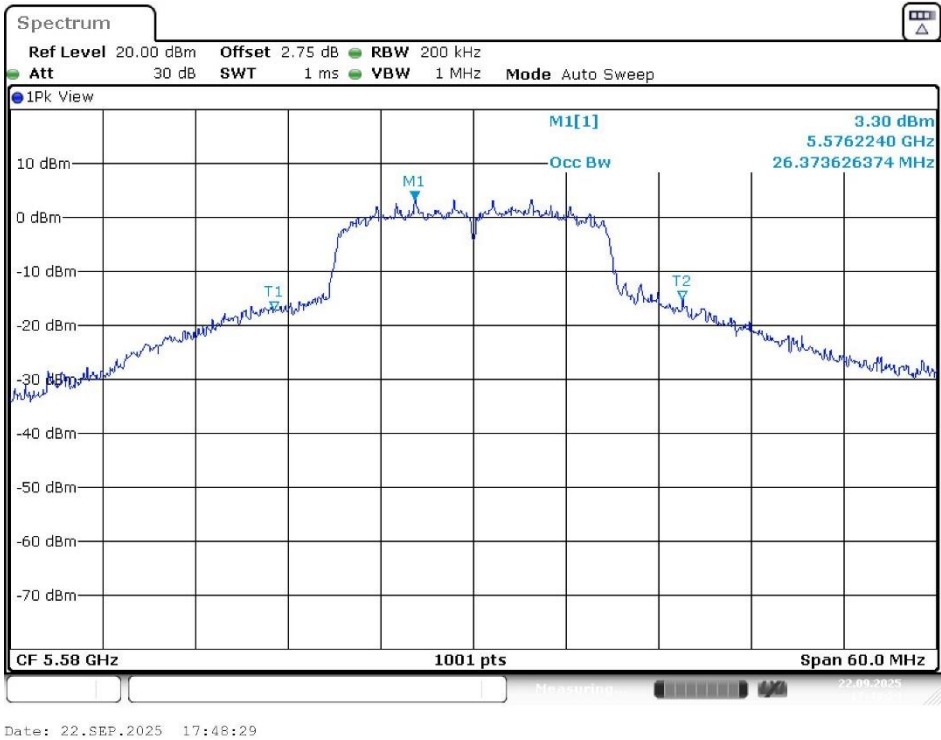
Date: 24.JAN.2026 17:05:06

802.11 n20 Mode / 5470 ~ 5725MHz

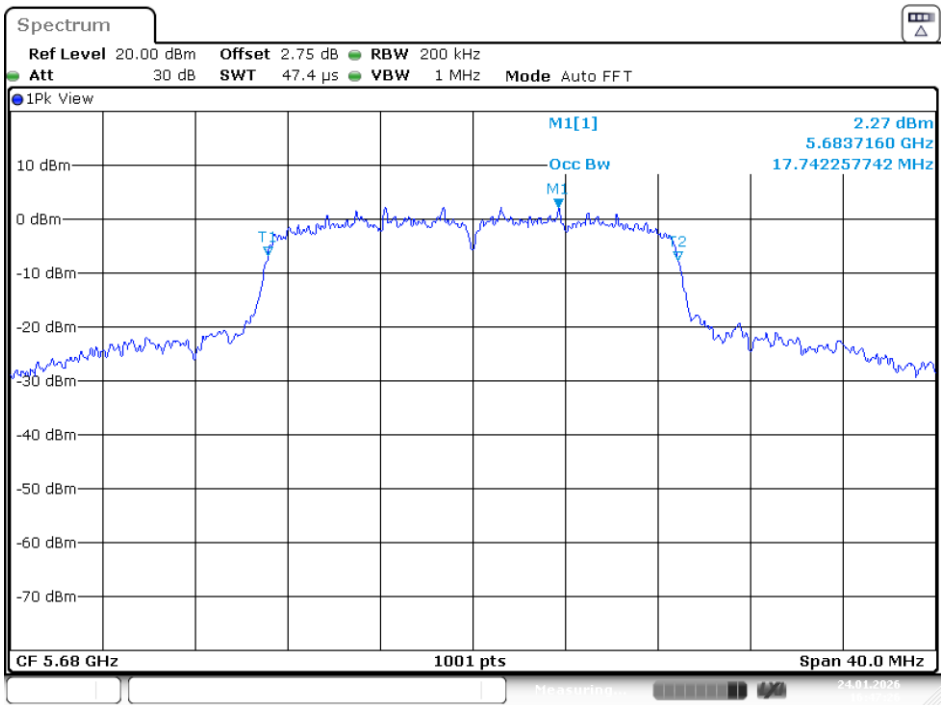
5500MHz



5580MHz

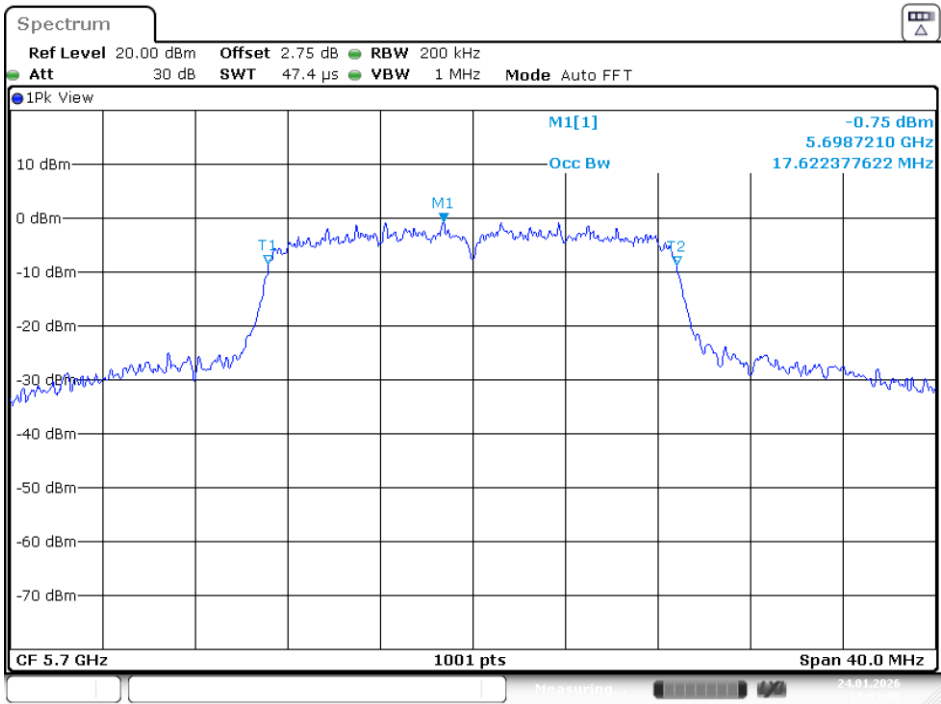


5680MHz



Date: 24.JAN.2026 16:47:27

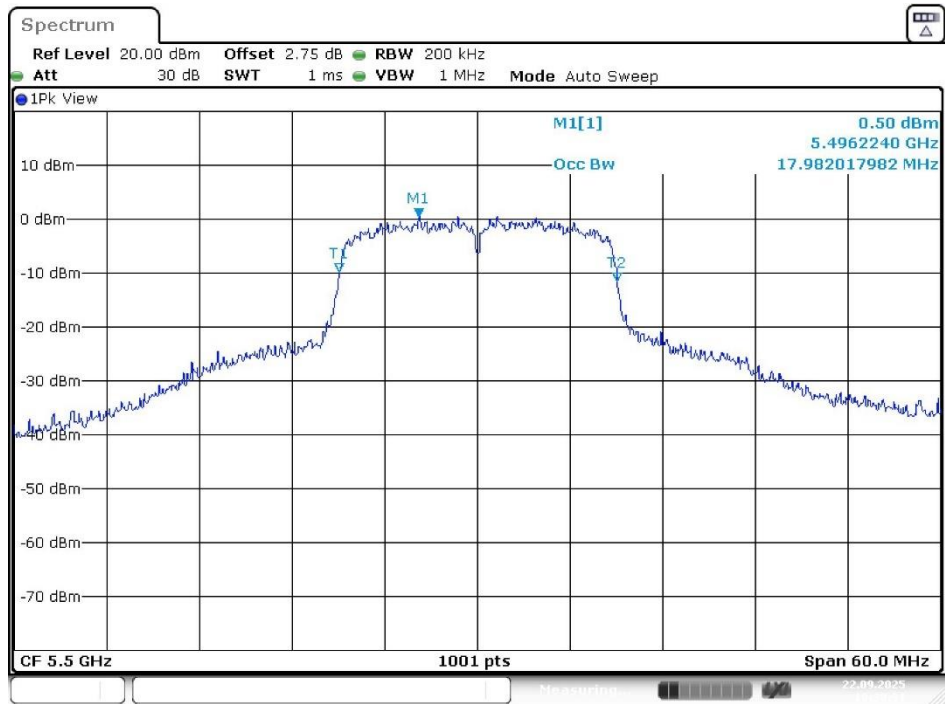
5700MHz



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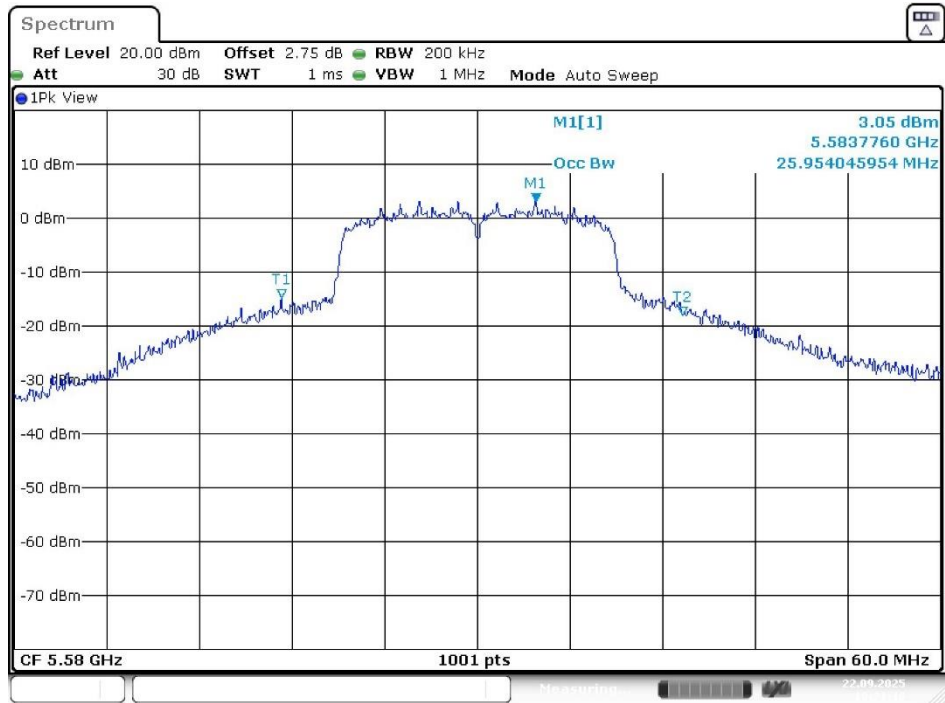
802.11 ac20 Mode / 5470 ~ 5725MHz

5500MHz



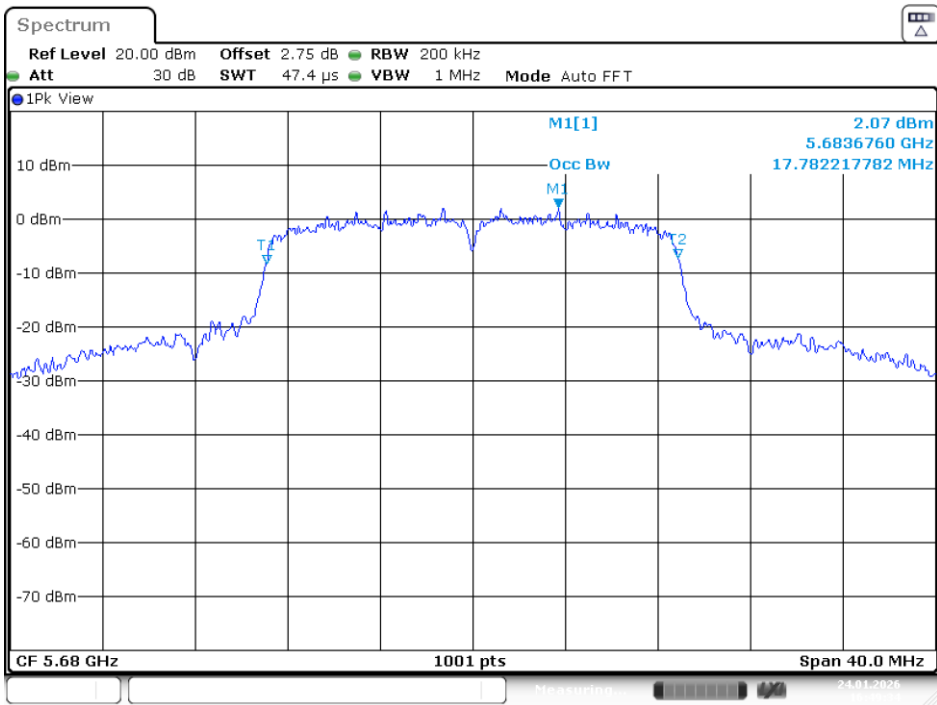
Date: 22.SEP.2025 18:20:31

5580MHz



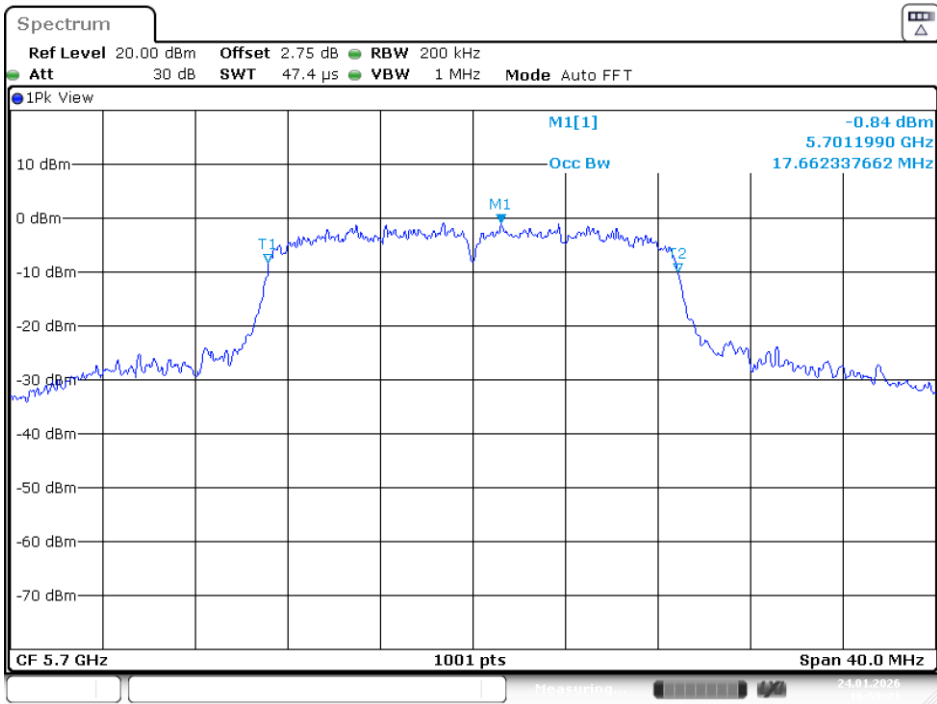
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5680MHz



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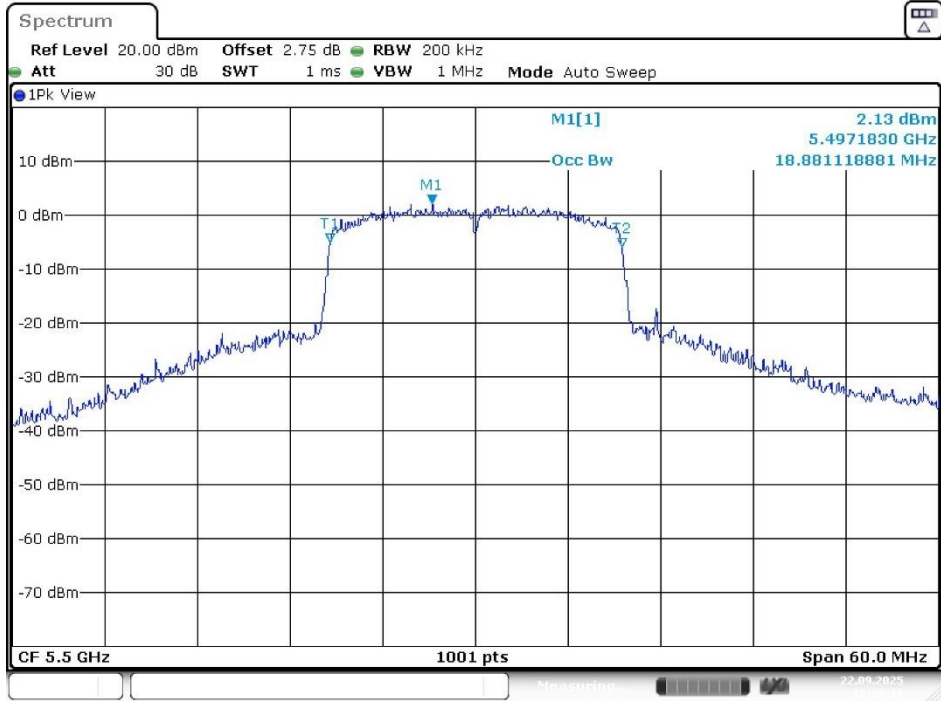
5700MHz



Date: 24.JAN.2026 16:59:21

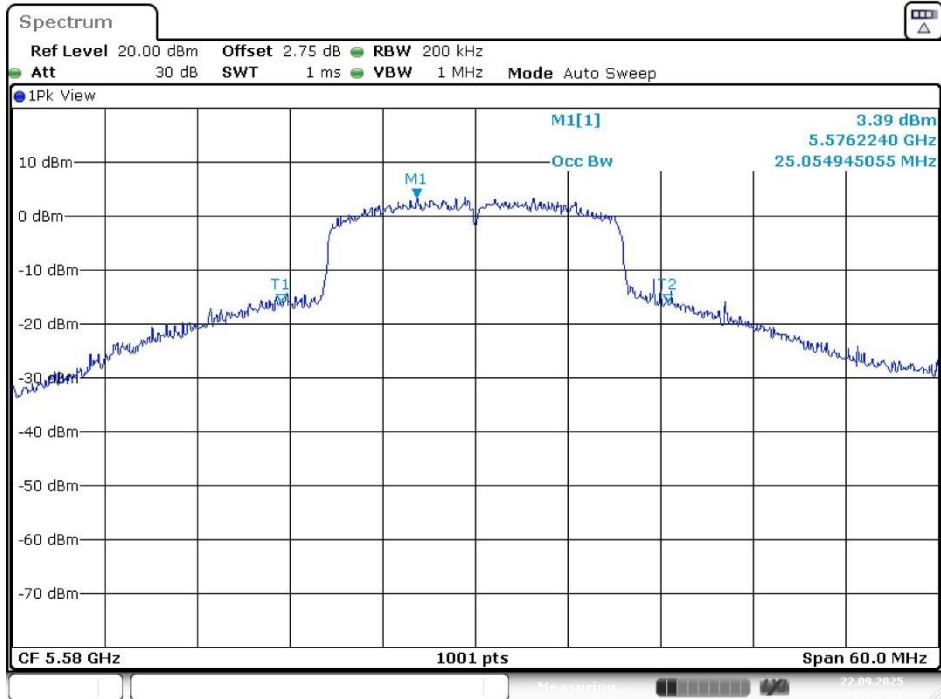
802.11 ax20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 22.SEP.2025 19:08:11

5580MHz



Date: 22.SEP.2025 19:12:28

Spectrum

Ref Level 20.00 dBm Offset 2.75 dB RBW 200 kHz
 Att 30 dB SWT 47.4 μ s VBW 1 MHz Mode Auto FFT

1Pk View

M1[1] 3.68 dBm
 5.6818380 GHz
 18.781218781 MHz

Occ Bw

T1 T2

CF 5.68 GHz 1001 pts Span 40.0 MHz

Spectrum

Ref Level 20.00 dBm Offset 2.75 dB RBW 200 kHz
 Att 30 dB SWT 47.4 μ s VBW 1 MHz Mode Auto FFT

● IPk View

M1[1] -0.69 dBm
 5.7032370 GHz
 18.741258741 MHz

Occ Bw

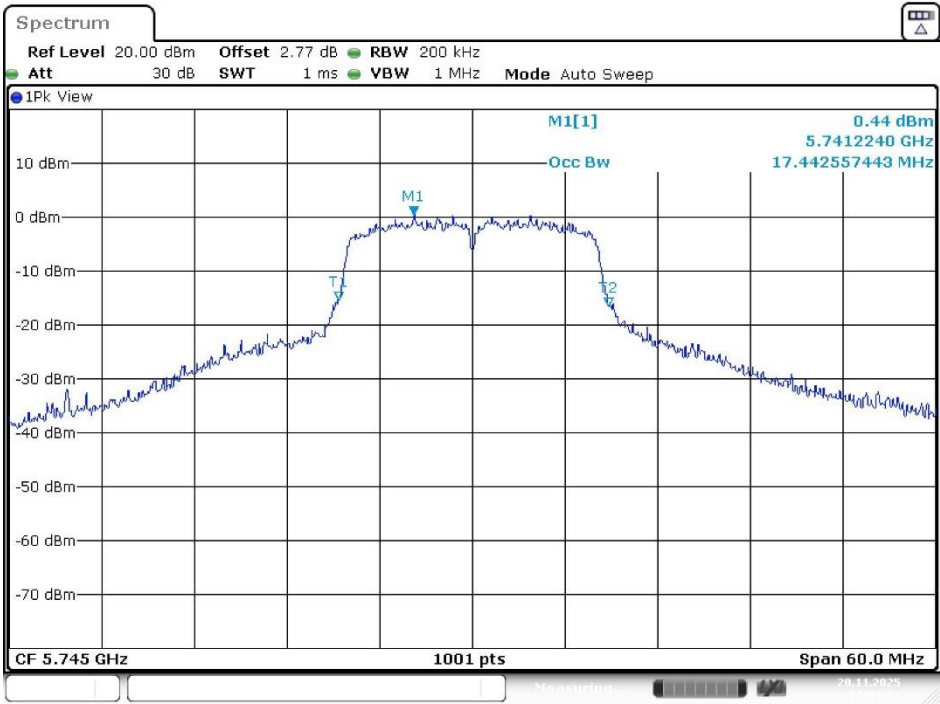
T1 T2

CF 5.7 GHz 1001 pts Span 40.0 MHz

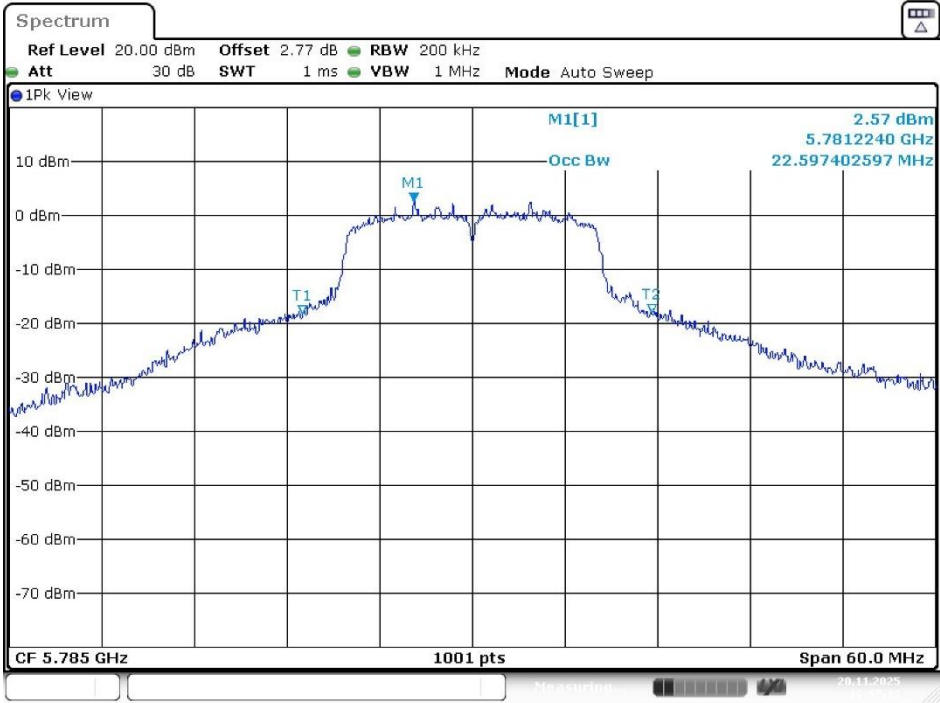
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802.11a Mode / 5725 ~ 5850MHz

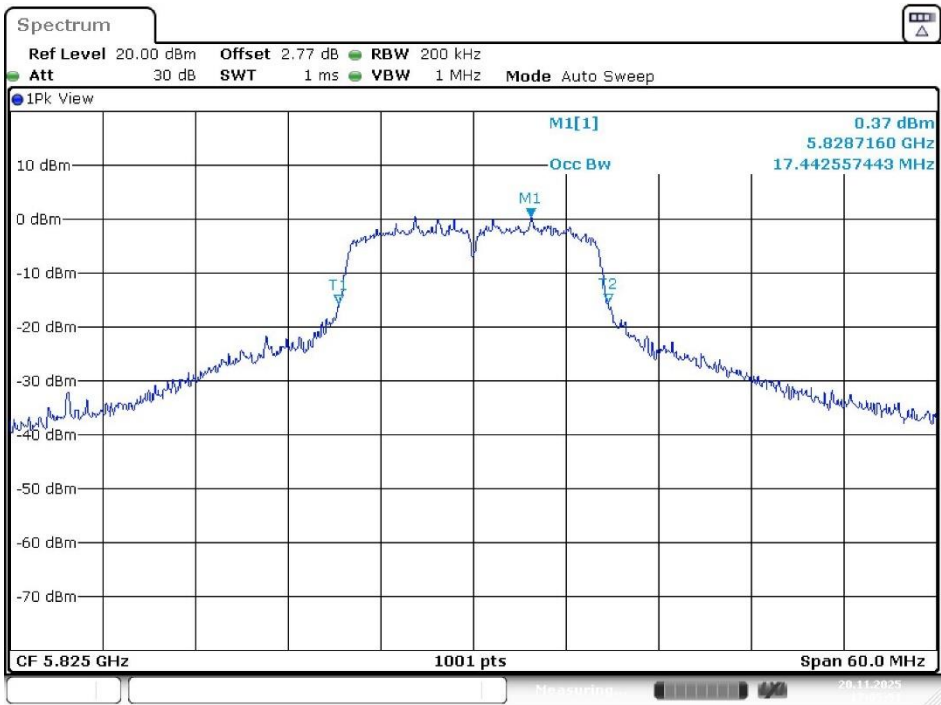
5745MHz



5785MHz



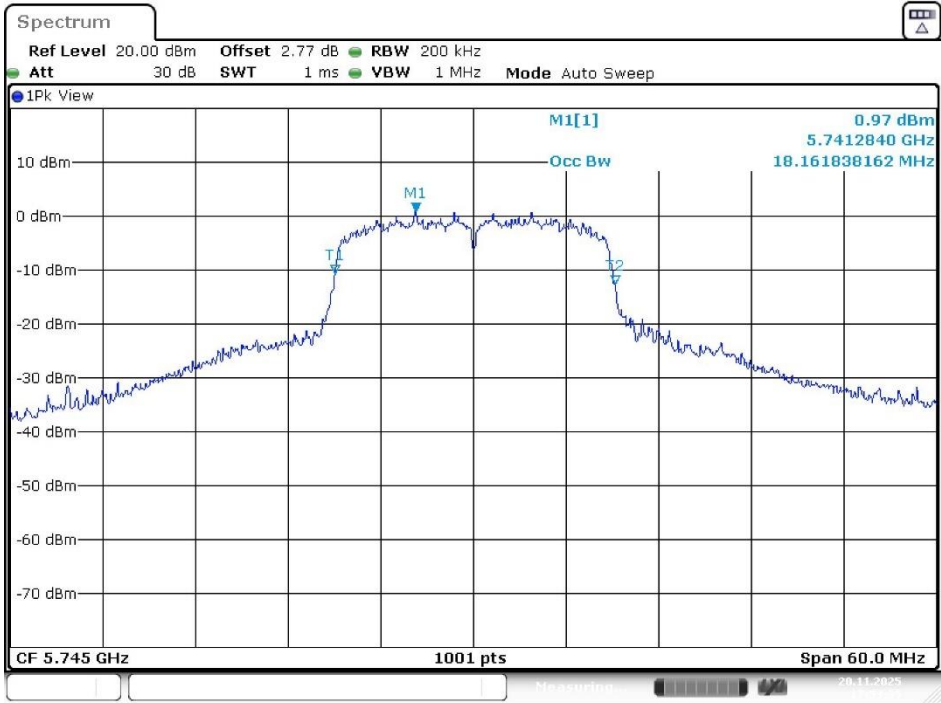
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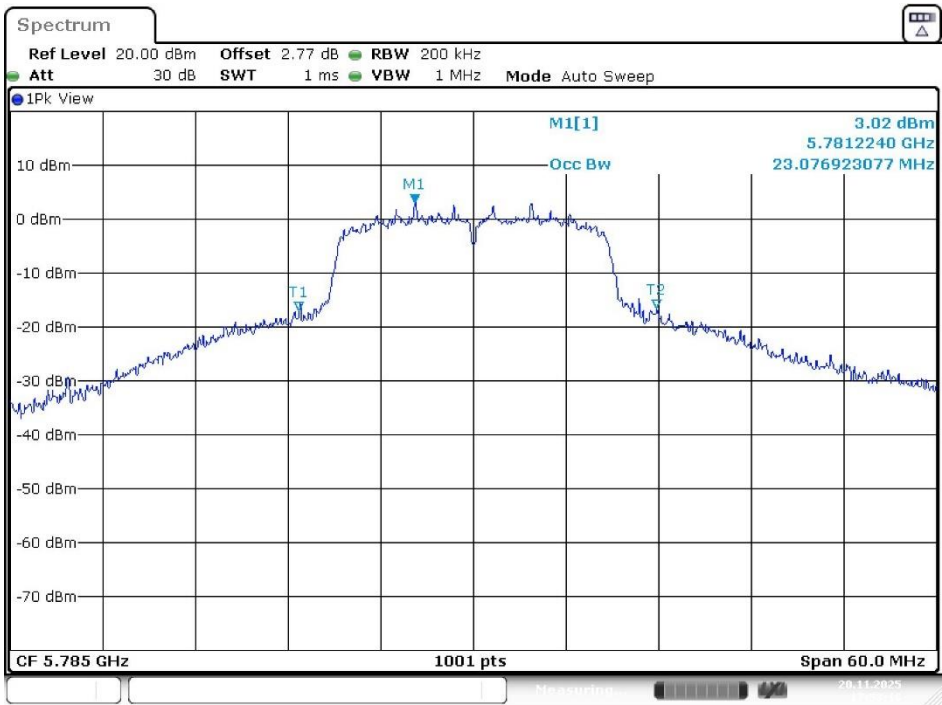
802.11 n20 Mode / 5725 ~ 5850MHz

5745MHz



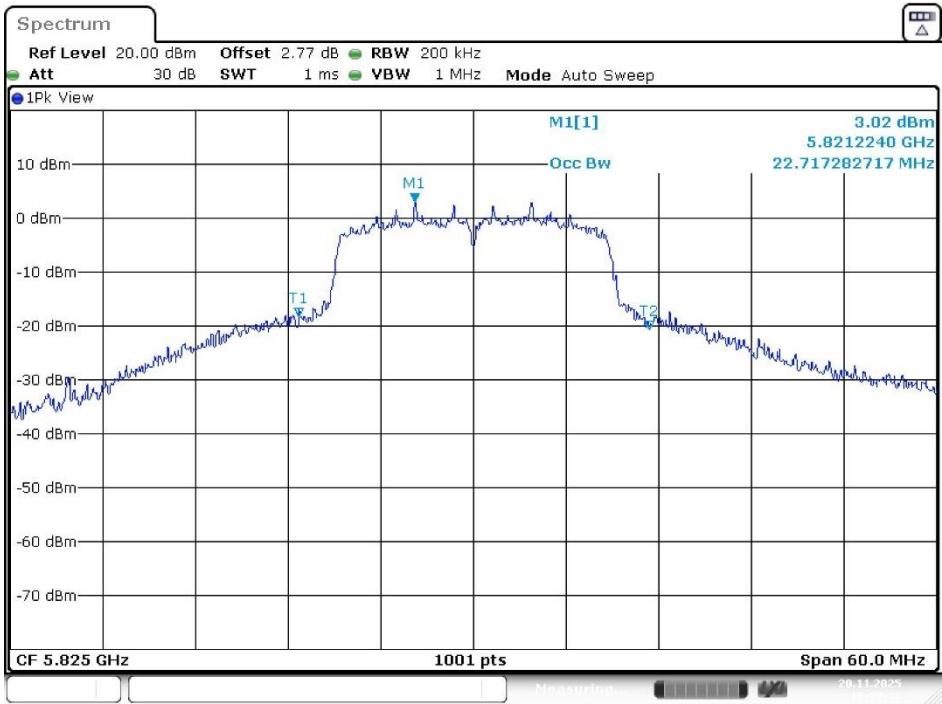
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5785MHz



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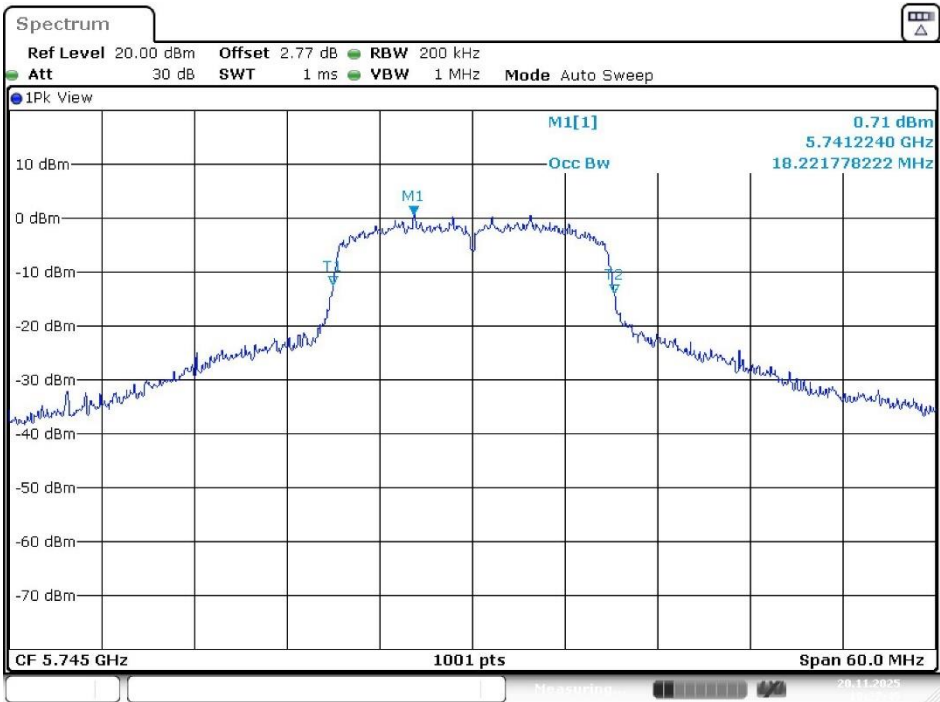
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Date: 20.NOV.2025 18:00:47

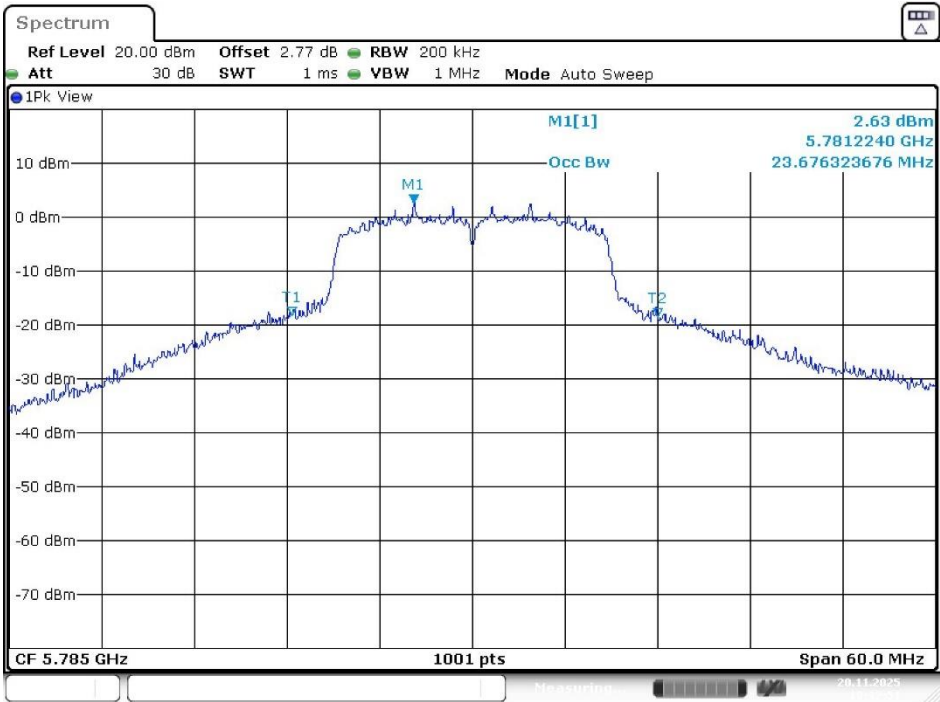
802.11 ac20 Mode / 5725 ~ 5850MHz

5745MHz



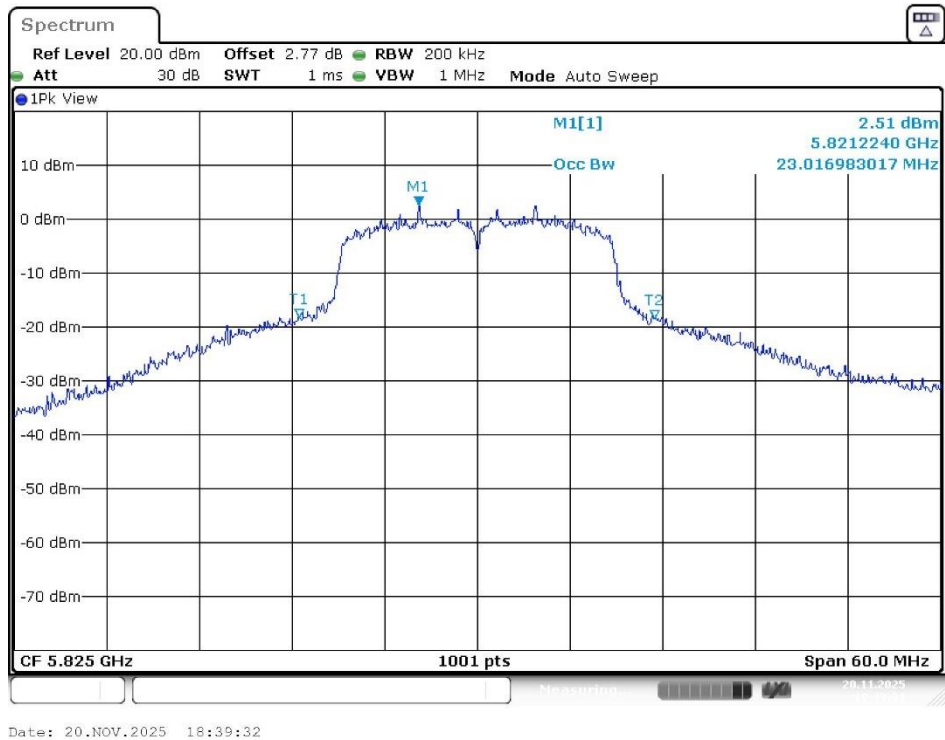
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5785MHz



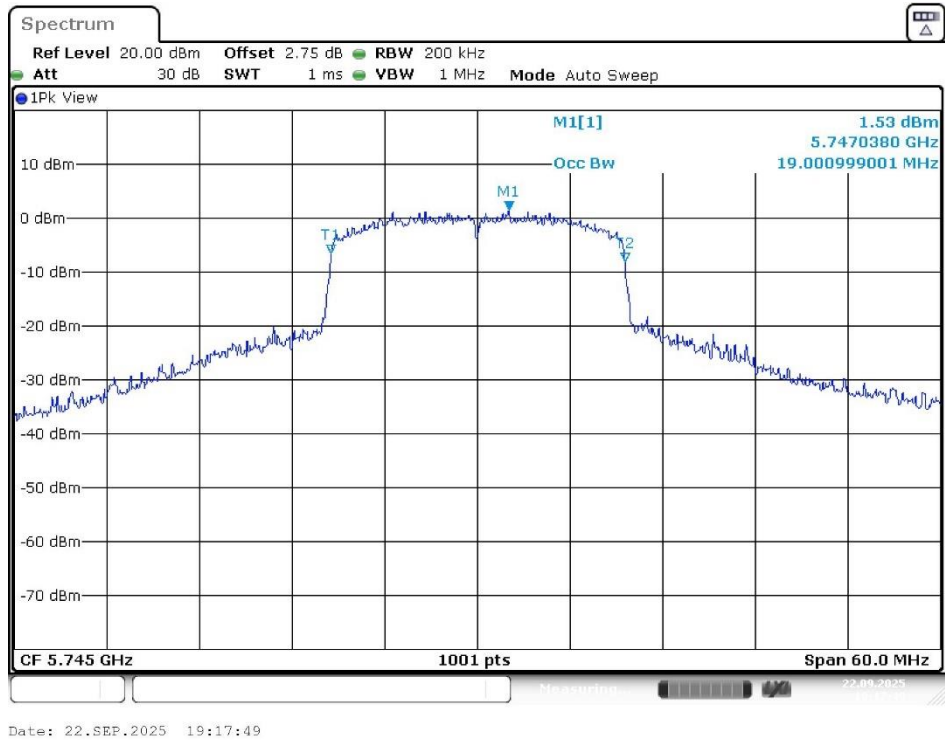
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5825MHz

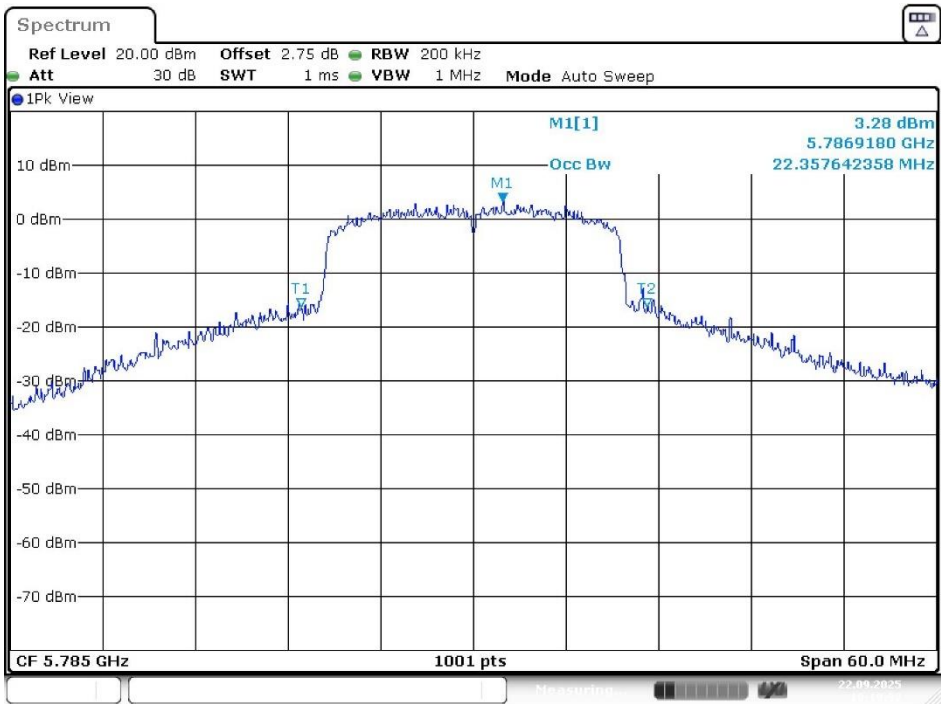


802.11 ax20 Mode / 5725 ~ 5850MHz

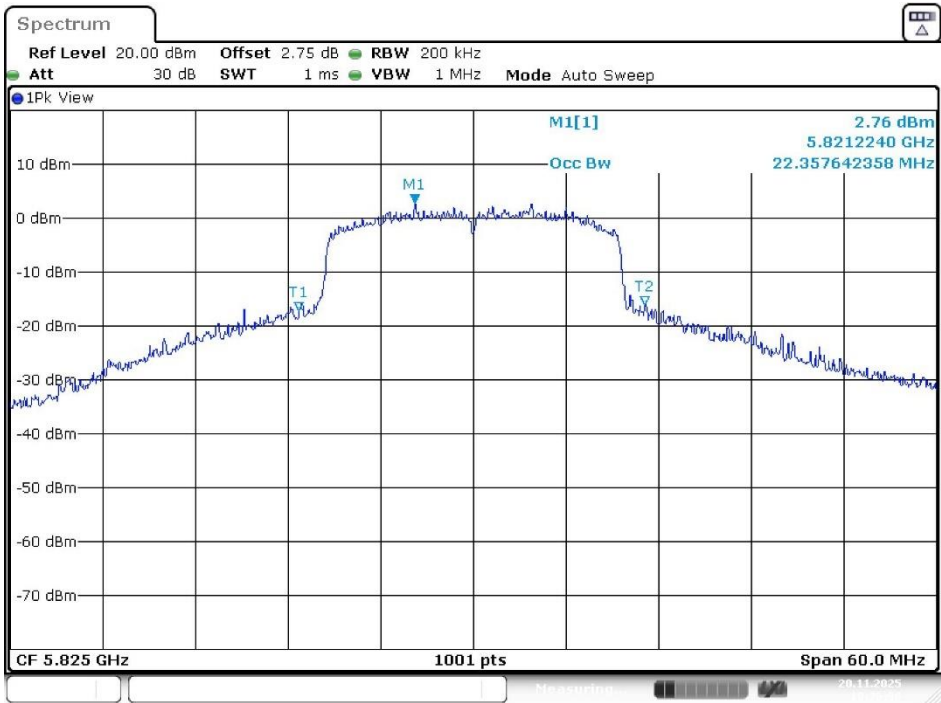
5745MHz



5785MHz



5825MHz



9 FCC §15.407(a) – Maximum Output Power

9.1 Applicable Standard

According to FCC §15.407(a):

For an outdoor 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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 fixed point-to-point access points 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. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. 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.

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 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. 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.

9.2 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.

9.3 Test Results

Test Mode: Transmitting

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)	For Client devices Limit (dBm)	For Master devices Limit (dBm)
802.11a	36	5180	12.77	0.18	12.95	24	30
	40	5200	12.56	0.18	12.74	24	30
	48	5240	10.82	0.18	11.00	24	30
802.11 n20	36	5180	12.07	0.36	12.43	24	30
	40	5200	11.93	0.36	12.29	24	30
	48	5240	10.38	0.36	10.74	24	30
802.11 ac20	36	5180	12.07	0	12.07	24	30
	40	5200	11.98	0	11.98	24	30
	48	5240	10.62	0	10.62	24	30
802.11 ax20	36	5180	11.92	0	11.92	24	30
	40	5200	11.94	0	11.94	24	30
	48	5240	10.55	0	10.55	24	30

Note: Device can support both roles master and client device.

Max EIRP Power = 16.35 (dBm) < 21 (dBm)

5250-5350MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	52	5260	16.82	0.18	17.00	24
	60	5300	16.85	0.18	17.03	24
	64	5320	14.92	0.18	15.10	24
802.11 n20	52	5260	17.52	0.36	17.88	24
	60	5300	17.53	0.36	17.89	24
	64	5320	15.38	0.36	15.74	24
802.11 ac20	52	5260	17.08	0	17.08	24
	60	5300	16.88	0	16.88	24
	64	5320	14.95	0	14.95	24
802.11 ax20	52	5260	16.91	0	16.91	24
	60	5300	16.87	0	16.87	24
	64	5320	14.82	0	14.82	24

Note: The device in DFS channels is a client device.

5470-5725MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	100	5500	11.93	0.18	12.11	24
	116	5580	13.68	0.18	13.86	24
	136	5680	11.73	0.18	11.91	24
	140	5700	6.95	0.18	7.13	24
802.11 n20	100	5500	12.31	0.36	12.67	24
	116	5580	14.06	0.36	14.42	24
	136	5680	12.14	0.36	12.50	24
	140	5700	7.01	0.36	7.37	24
802.11 ac20	100	5500	12.51	0	12.51	24
	116	5580	14.20	0	14.20	24
	136	5680	12.27	0	12.27	24
	140	5700	7.17	0	7.17	24
802.11 ax20	100	5500	12.37	0	12.37	24
	116	5580	14.11	0	14.11	24
	136	5680	12.23	0	12.23	24
	140	5700	7.11	0	7.11	24

Note: The device in DFS channels is a 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)	Limit (dBm)
802.11a	149	5745	10.41	0.18	10.59	30
	157	5785	12.32	0.18	12.50	30
	165	5825	12.34	0.18	12.52	30
802.11 n20	149	5745	10.25	0.36	10.61	30
	157	5785	12.12	0.36	12.48	30
	165	5825	12.02	0.36	12.38	30
802.11 ac20	149	5745	10.54	0	10.54	30
	157	5785	12.35	0	12.35	30
	165	5825	12.41	0	12.41	30
802.11 ax20	149	5745	10.59	0	10.59	30
	157	5785	11.68	0	11.68	30
	165	5825	11.41	0	11.41	30

Note: Device can support both roles master and client device.

10 FCC §15.407(a) – Power Spectral Density

10.1 Applicable Standard

According to FCC §15.407(a):

For an outdoor 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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 fixed point-to-point access points 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. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. 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.

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 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. 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.

10.2 Test Procedure

The measurements are based on FCC KDB 789033 D02 General U-NII Test Procedures 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.

10.3 Test Results

Test Mode: Transmitting

5150-5250MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	For Client devices Limit (dBm/MHz)	For Master devices Limit (dBm/MHz)
802.11a	36	5180	1.21	0.18	1.39	11	17
	40	5200	1.76	0.18	1.94	11	17
	48	5240	-0.90	0.18	-0.72	11	17
802.11 n20	36	5180	1.34	0.36	1.7	11	17
	40	5200	1.4	0.36	1.76	11	17
	48	5240	-0.65	0.36	-0.29	11	17
802.11 ac20	36	5180	1.52	0.00	1.52	11	17
	40	5200	1.77	0.00	1.77	11	17
	48	5240	0.01	0.00	0.01	11	17
802.11 ax20	36	5180	1.36	0.00	1.36	11	17
	40	5200	1.65	0.00	1.65	11	17
	48	5240	-0.53	0.00	-0.53	11	17

Note: Device can support both roles master and client device..

5250-5350MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	Limit (dBm/MHz)
802.11a	52	5260	2.53	0.18	2.71	11
	60	5300	2.18	0.18	2.36	11
	64	5320	-0.8	0.18	-0.62	11
802.11 n20	52	5260	2.42	0.36	2.78	11
	60	5300	1.76	0.36	2.12	11
	64	5320	-0.26	0.36	0.1	11
802.11 ac20	52	5260	2.41	0	2.41	11
	60	5300	2.03	0	2.03	11
	64	5320	0.11	0	0.11	11
802.11 ax20	52	5260	2.27	0	2.27	11
	60	5300	2.18	0	2.18	11
	64	5320	-0.09	0	-0.09	11

Note: The device in DFS channels is a client device.

5470-5725MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	Limit (dBm/MHz)
802.11a	100	5500	-1.53	0.18	-1.35	11
	116	5580	0.20	0.18	0.38	11
	136	5680	0.49	0.18	0.67	11
	140	5700	-1.93	0.18	-1.75	11
802.11 n20	100	5500	-1.98	0.36	-1.62	11
	116	5580	0.19	0.36	0.55	11
	136	5680	0.19	0.36	0.55	11
	140	5700	-2.62	0.36	-2.26	11
802.11 ac20	100	5500	-1.50	0.00	-1.50	11
	116	5580	0.37	0.00	0.37	11
	136	5680	0.77	0.00	0.77	11
	140	5700	-2.15	0.00	-2.15	11
802.11 ax20	100	5500	-1.92	0.00	-1.92	11
	116	5580	0.53	0.00	0.53	11
	136	5680	0.28	0.00	0.28	11
	140	5700	-2.51	0.00	-2.51	11

Note: The device in DFS channels is a 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)
802.11a	149	5745	-5.17	0.18	-4.99	30
	157	5785	-3.36	0.18	-3.18	30
	165	5825	-4.97	0.18	-4.79	30
802.11 n20	149	5745	-4.46	0.36	-4.10	30
	157	5785	-2.63	0.36	-2.27	30
	165	5825	-3.39	0.36	-3.03	30
802.11 ac20	149	5745	-4.46	0.00	-4.46	30
	157	5785	-3.26	0.00	-3.26	30
	165	5825	-3.34	0.00	-3.34	30
802.11 ax20	149	5745	-4.68	0.00	-4.68	30
	157	5785	-3.07	0.00	-3.07	30
	165	5825	-3.64	0.00	-3.64	30

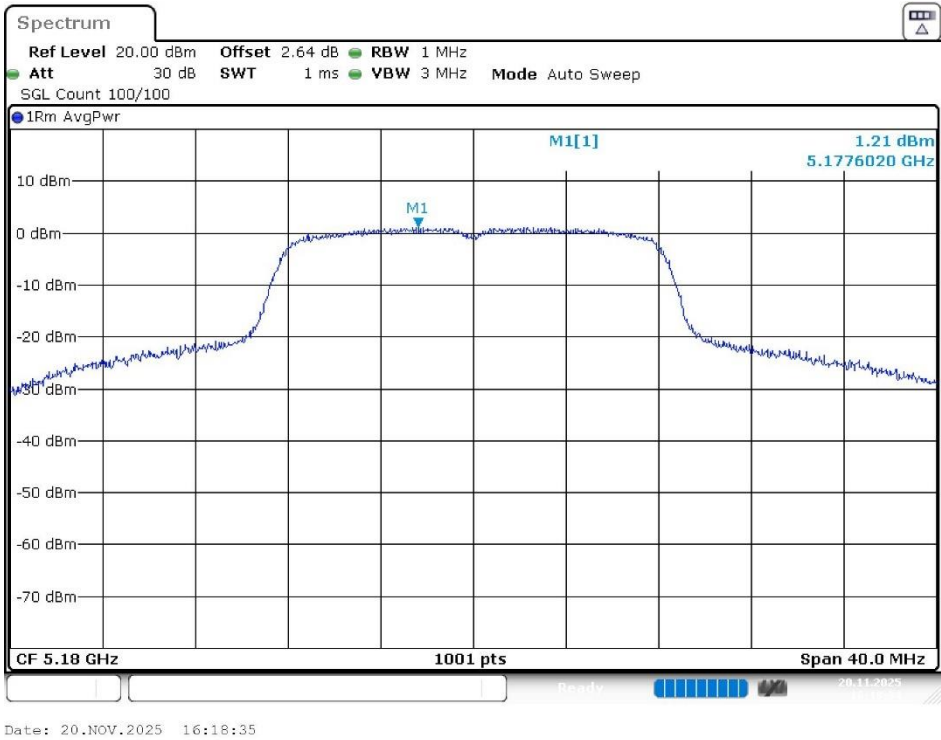
Note: Device can support both roles master and client device.

Please refer to the following plots

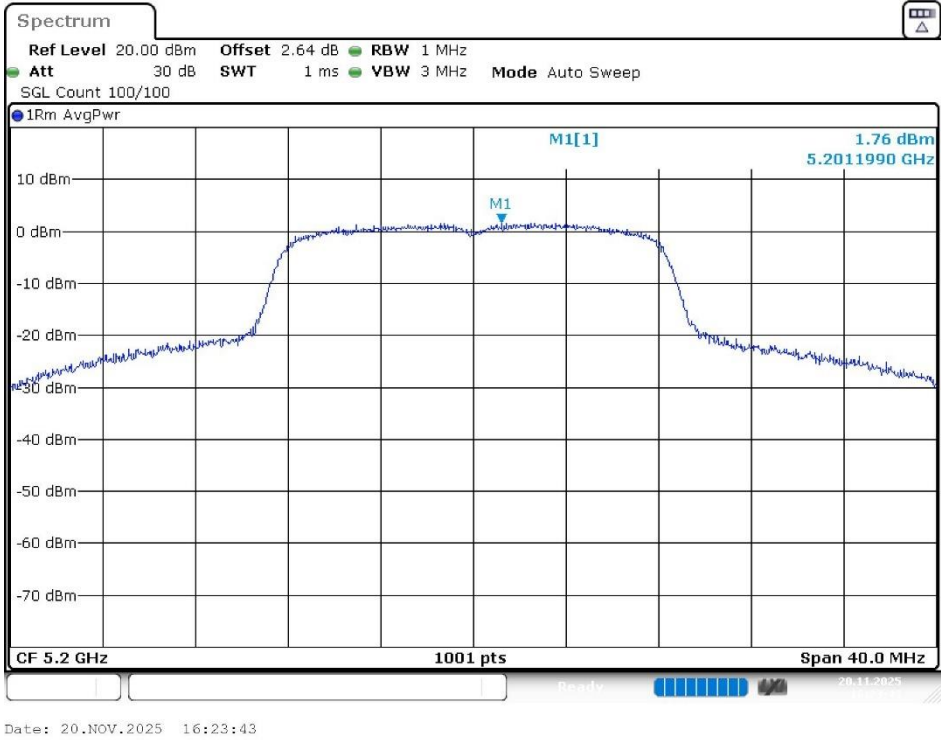
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode / 5150 ~ 5250MHz

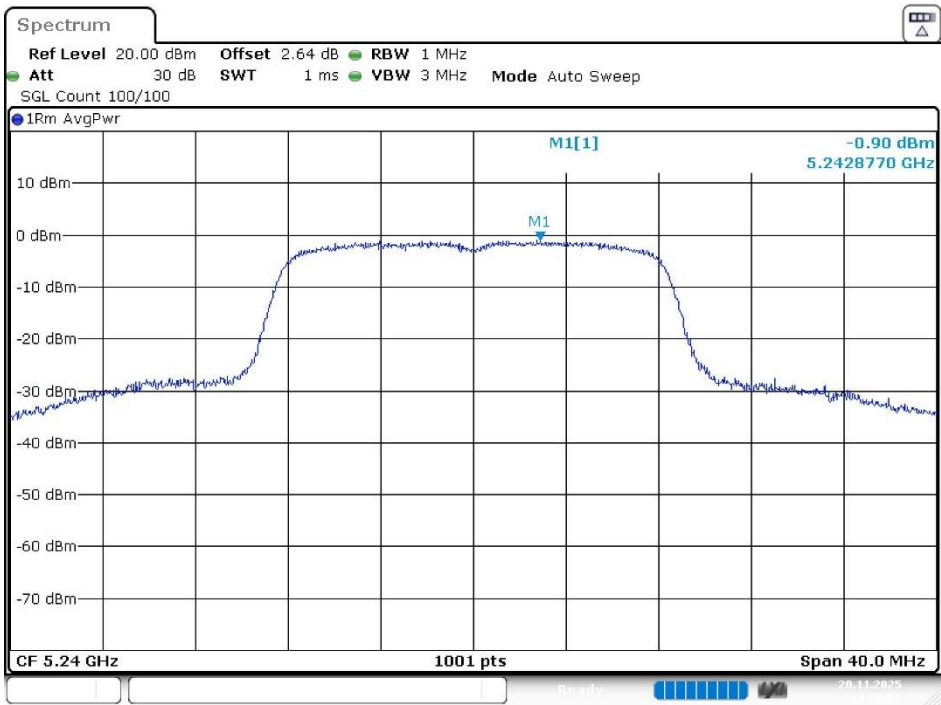
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5200MHz



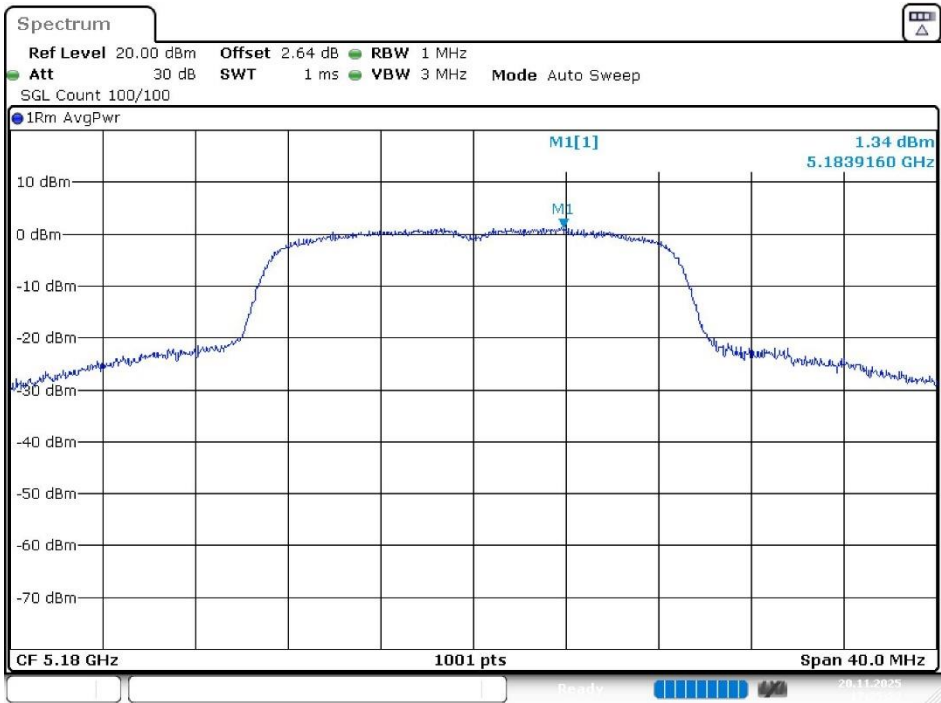
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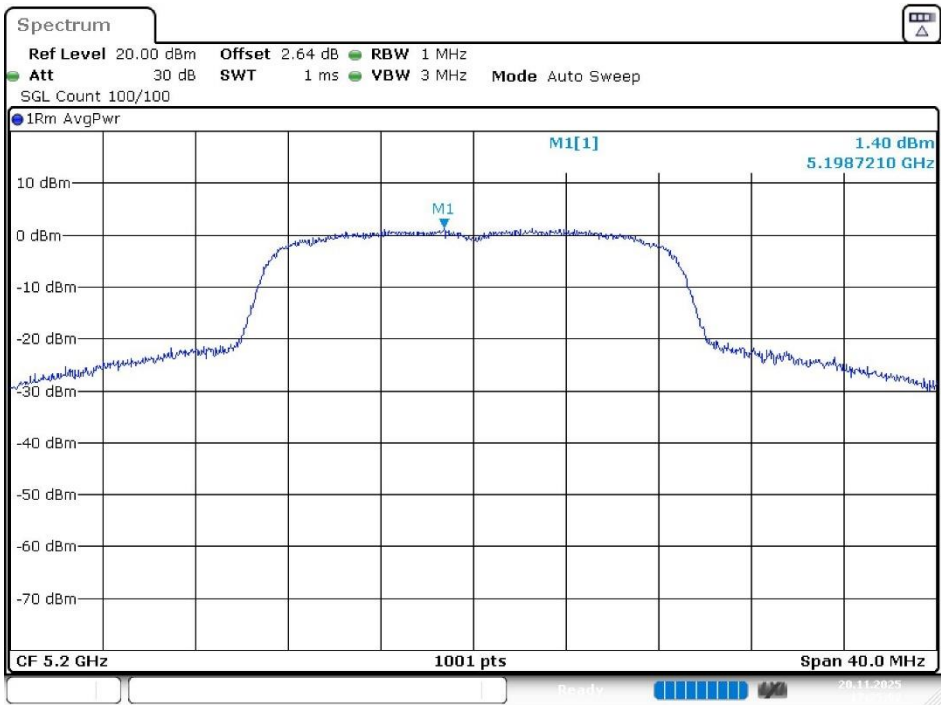
802.11 n20 Mode / 5150 ~ 5250MHz

5180MHz



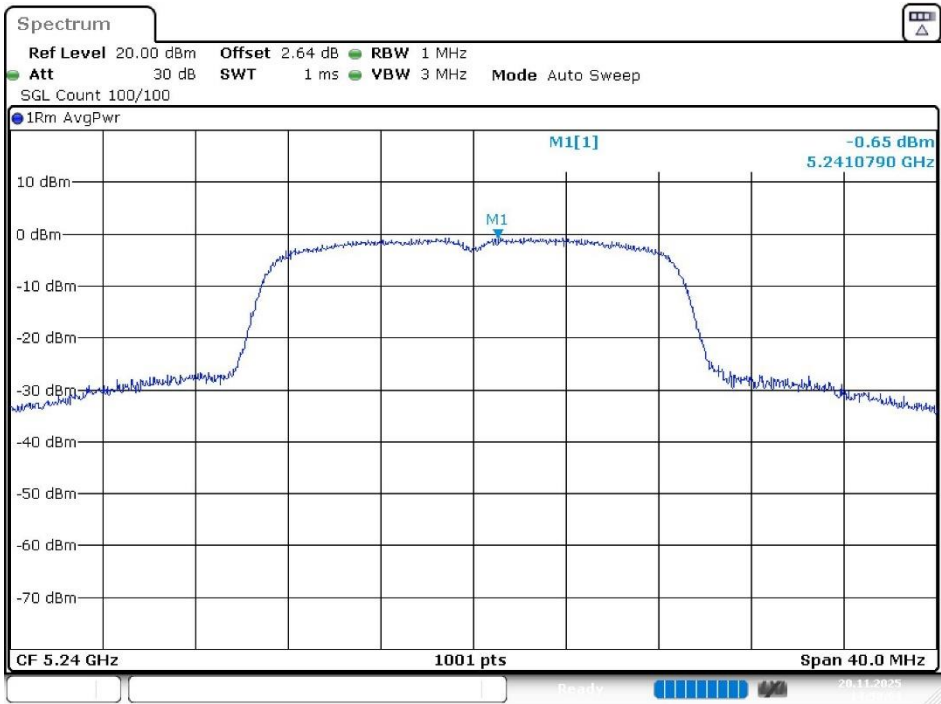
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5200MHz



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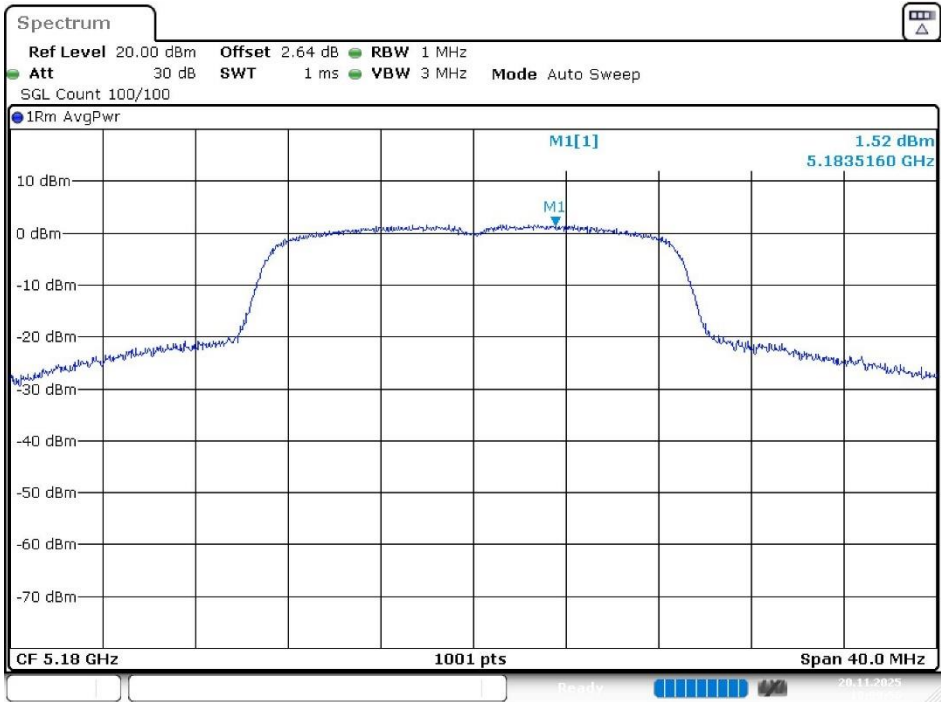
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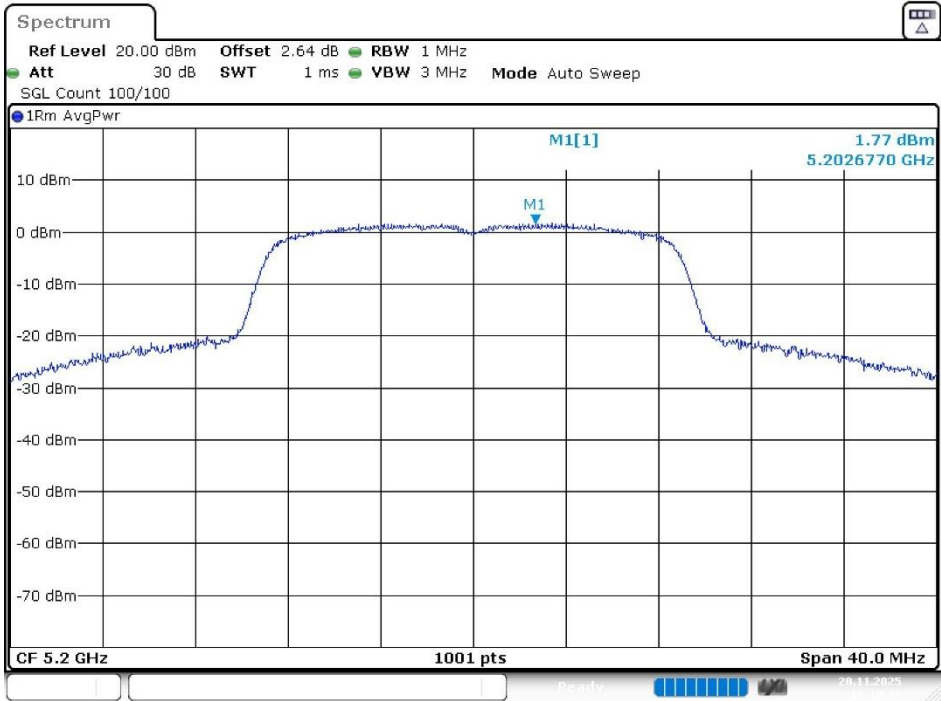
802.11 ac20 Mode / 5150 ~ 5250MHz

5180MHz



Date: 20.NOV.2025 18:09:56

5200MHz



Date: 20.NOV.2025 18:10:19