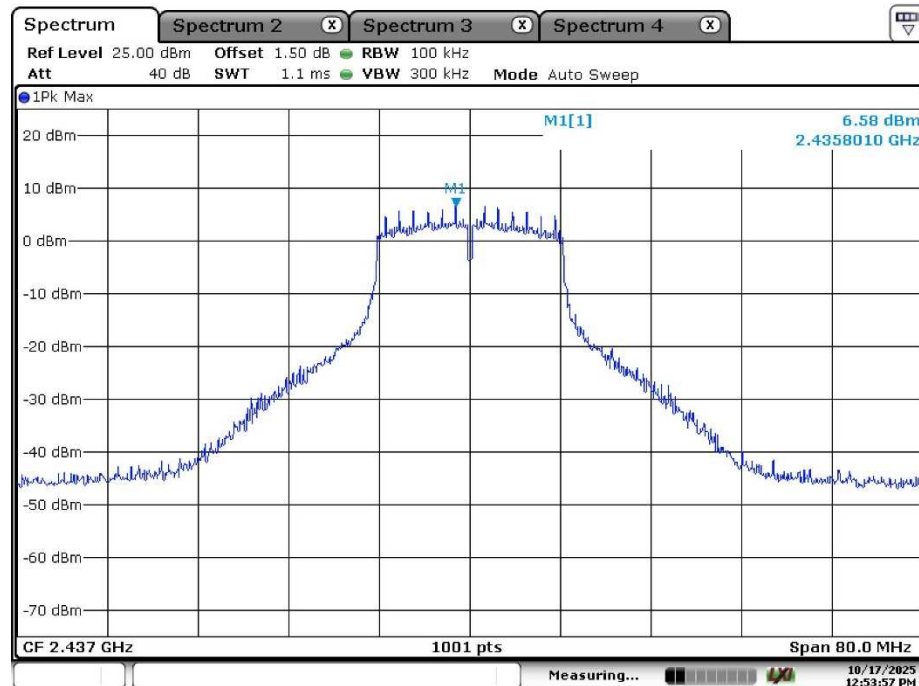
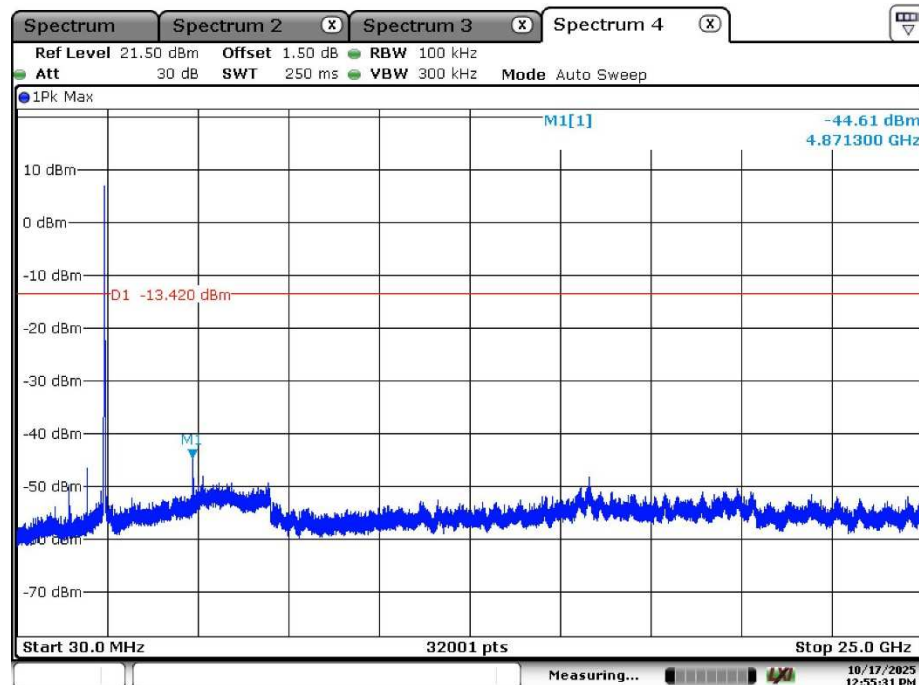


Middle Channel:

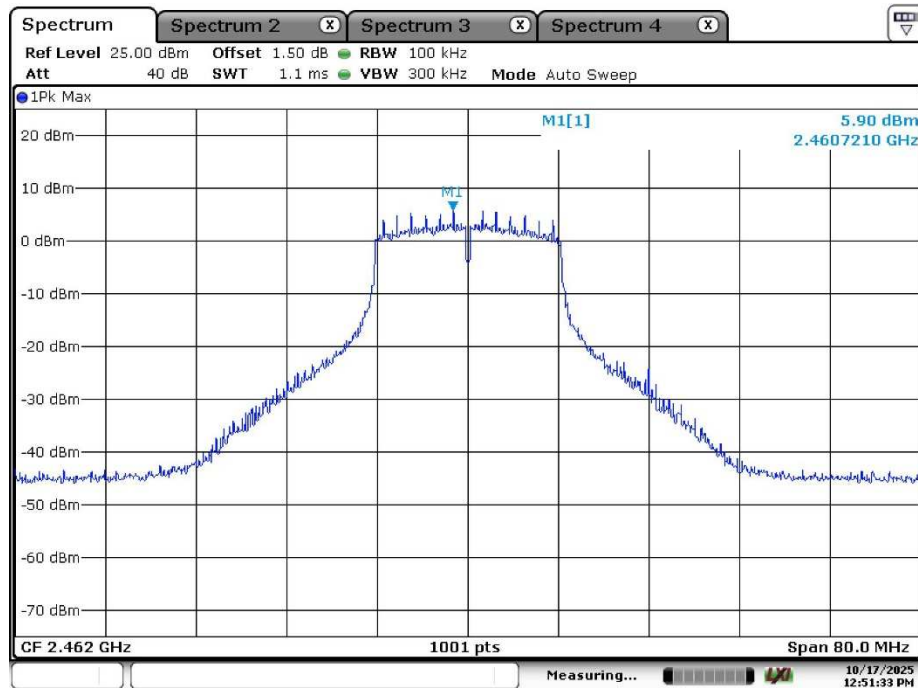


Date: 17.OCT.2025 12:53:58

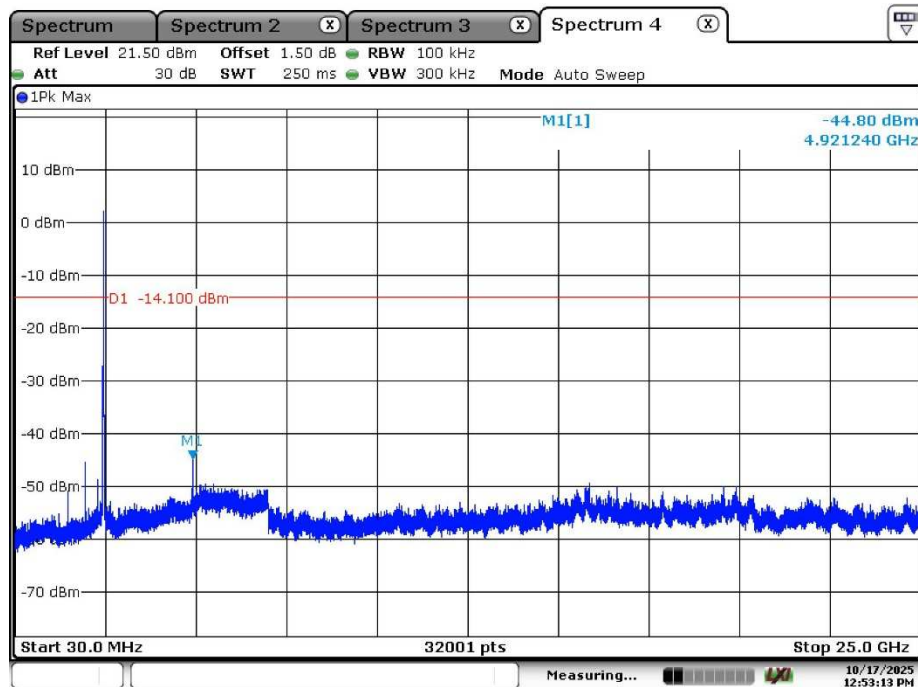


Date: 17.OCT.2025 12:55:32

High Channel:



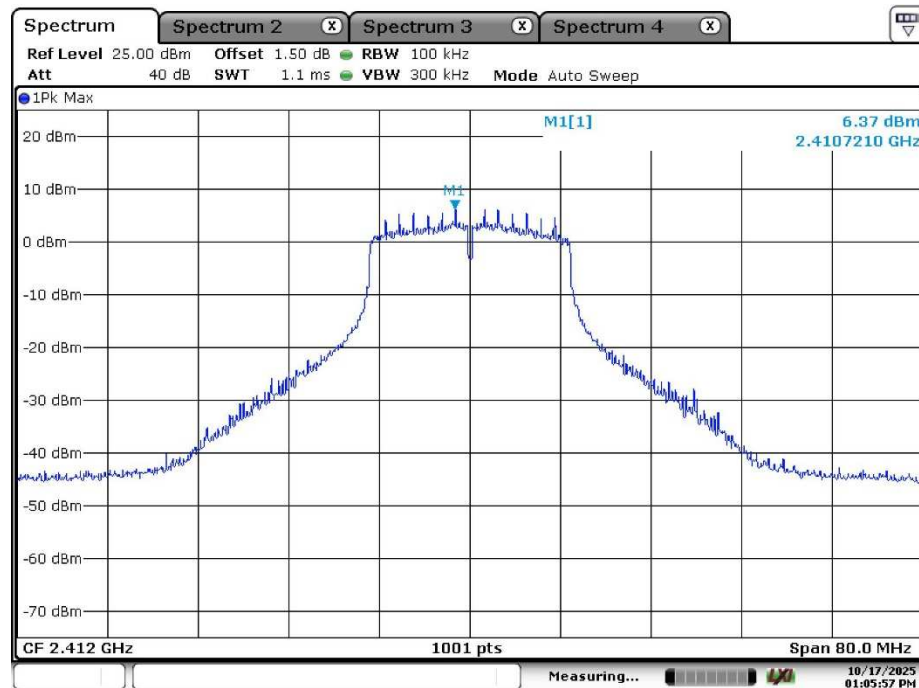
Date: 17.OCT.2025 12:51:34



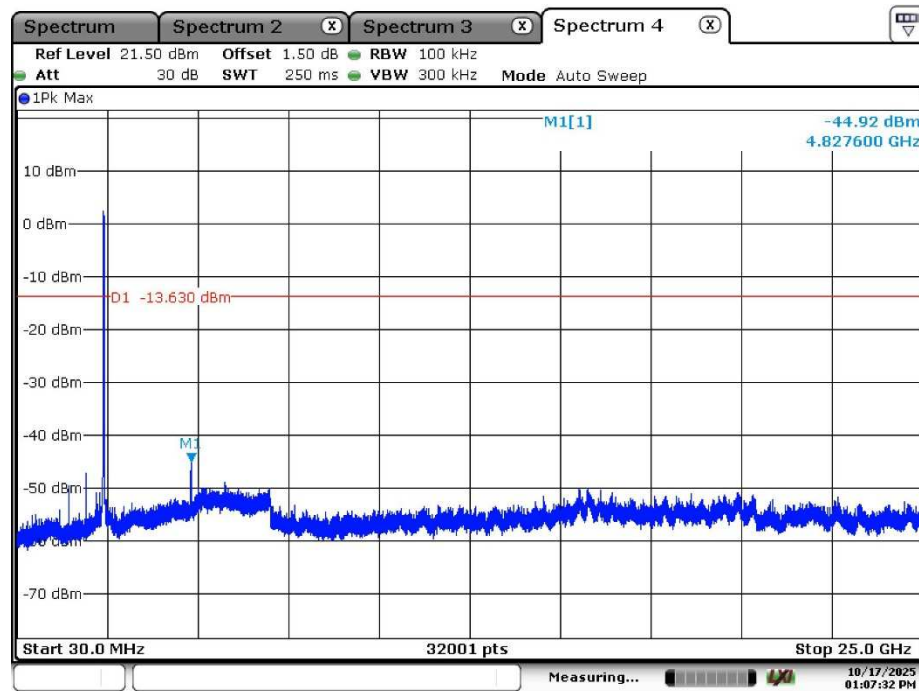
Date: 17.OCT.2025 12:53:14

Wi-Fi 802.11 n(HT20) mode, Conducted Spurious Emission

Low Channel:

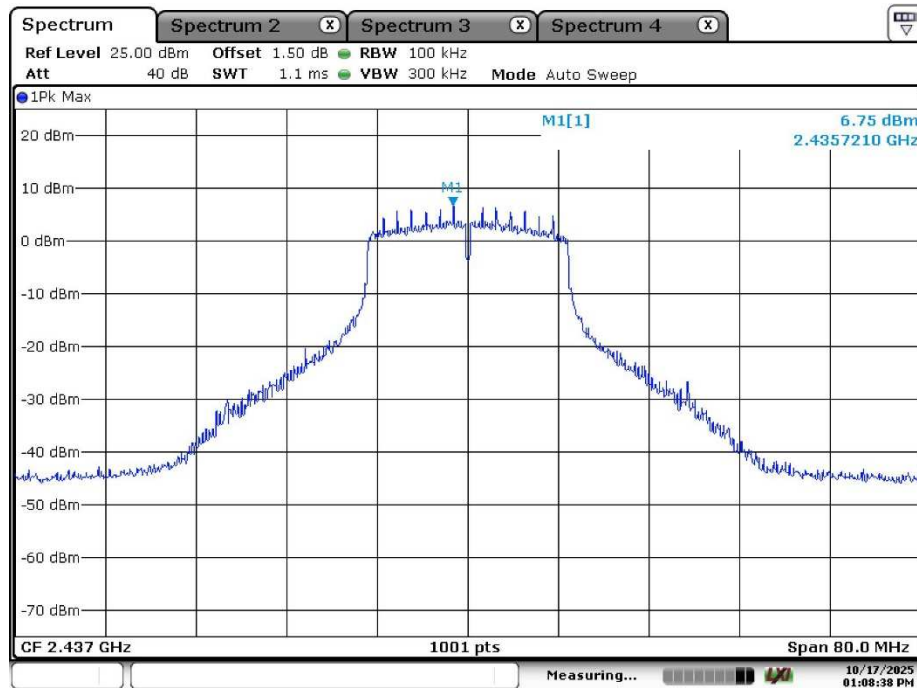


Date: 17.OCT.2025 13:05:58

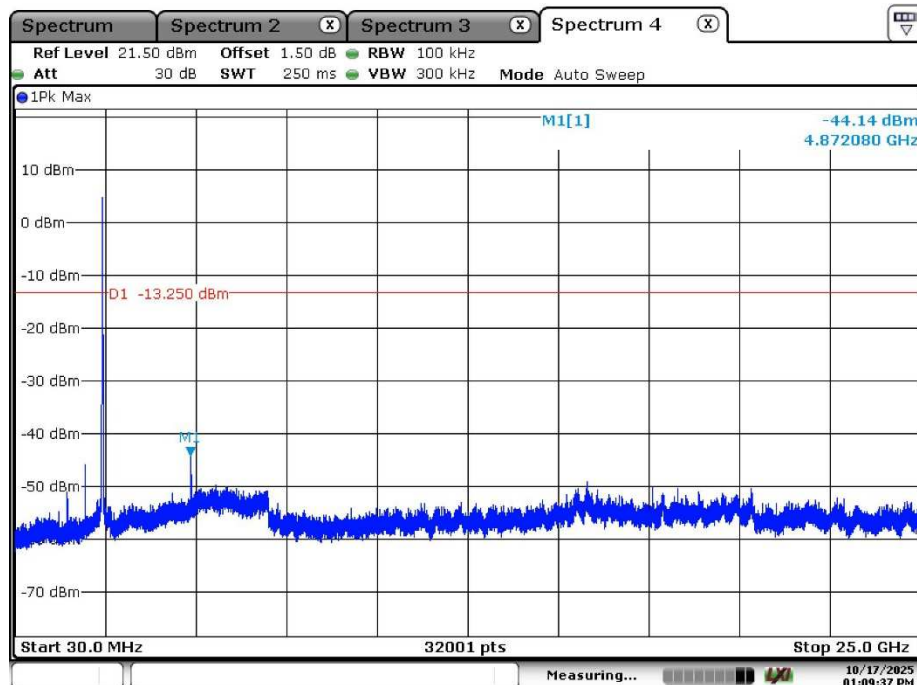


Date: 17.OCT.2025 13:07:32

Middle Channel:

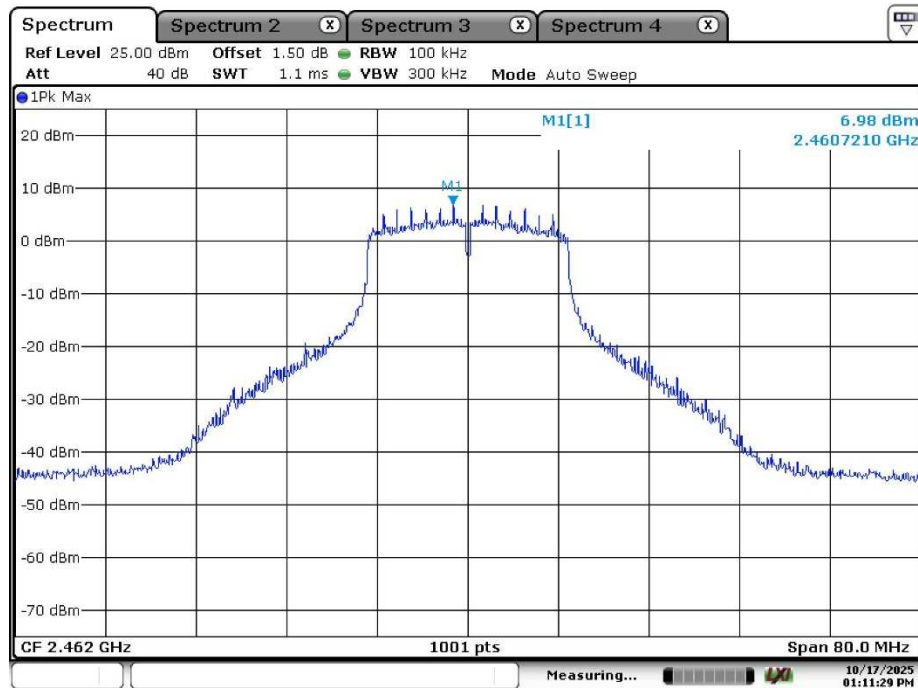


Date: 17.OCT.2025 13:08:39

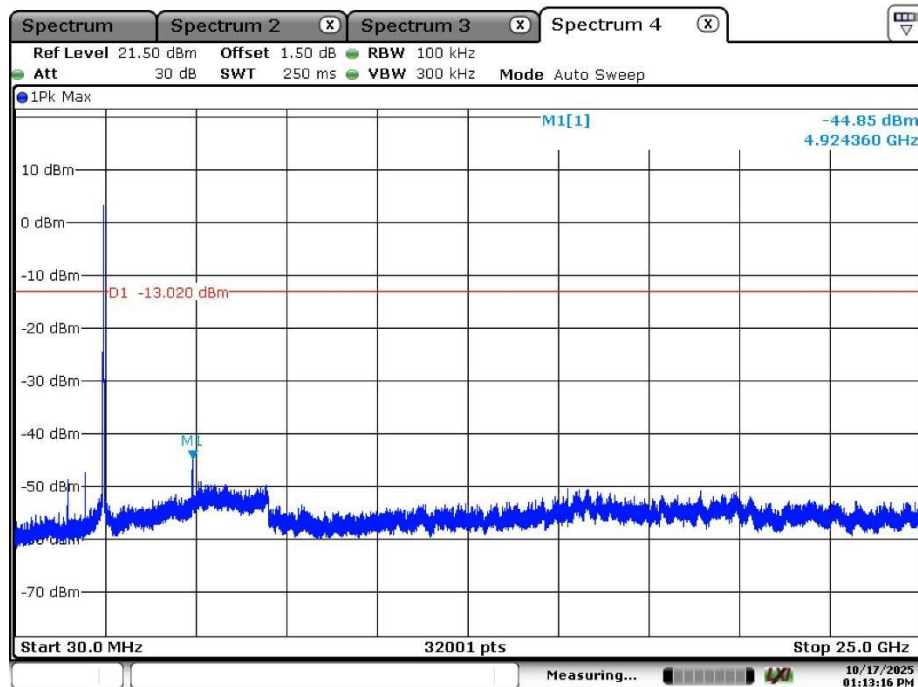


Date: 17.OCT.2025 13:09:37

High Channel:



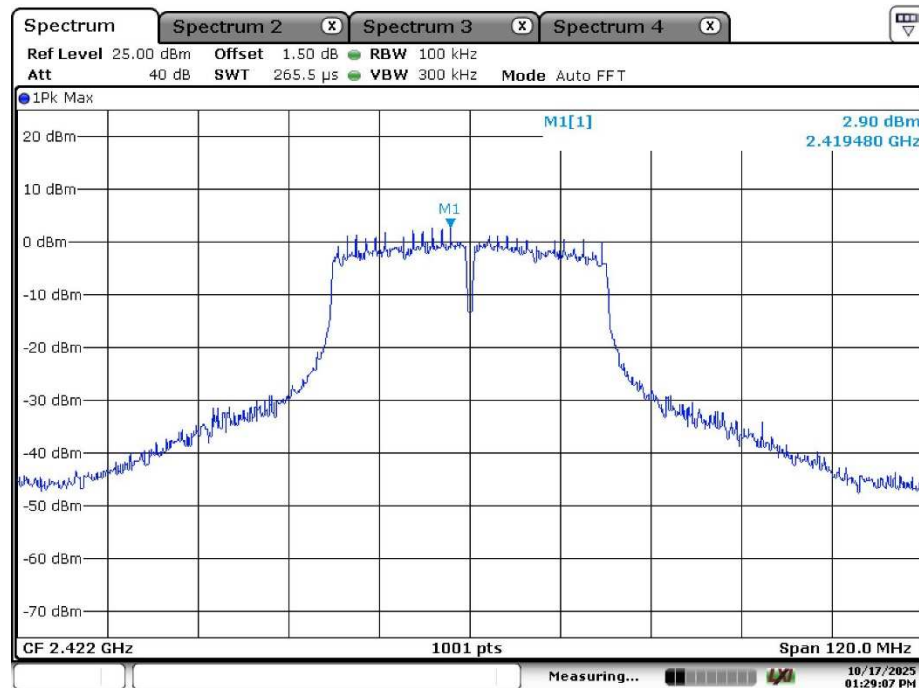
Date: 17.OCT.2025 13:11:29



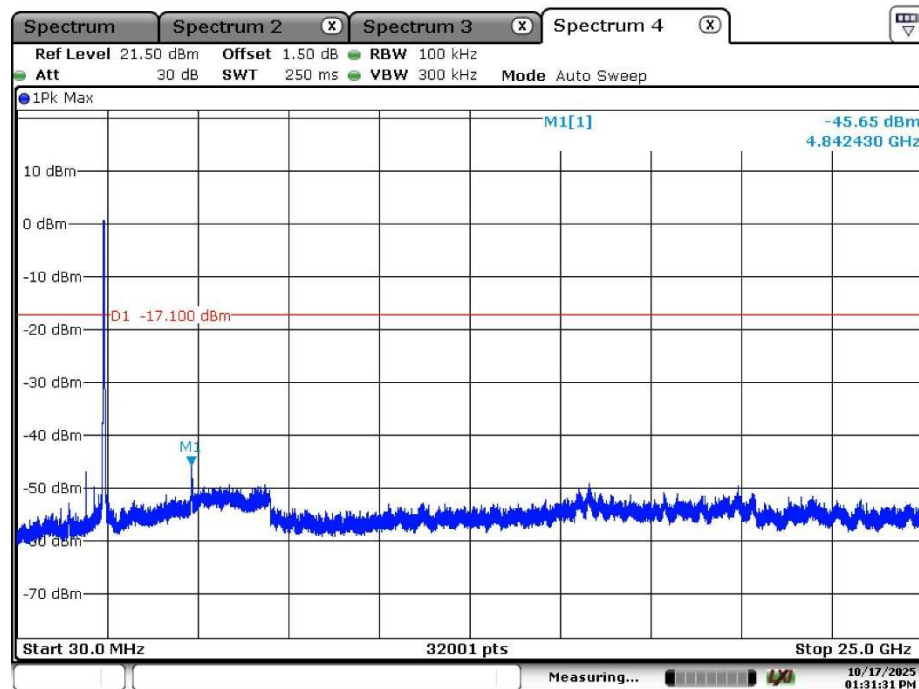
Date: 17.OCT.2025 13:13:17

Wi-Fi 802.11 n(HT40) mode, Conducted Spurious Emission

Low Channel:

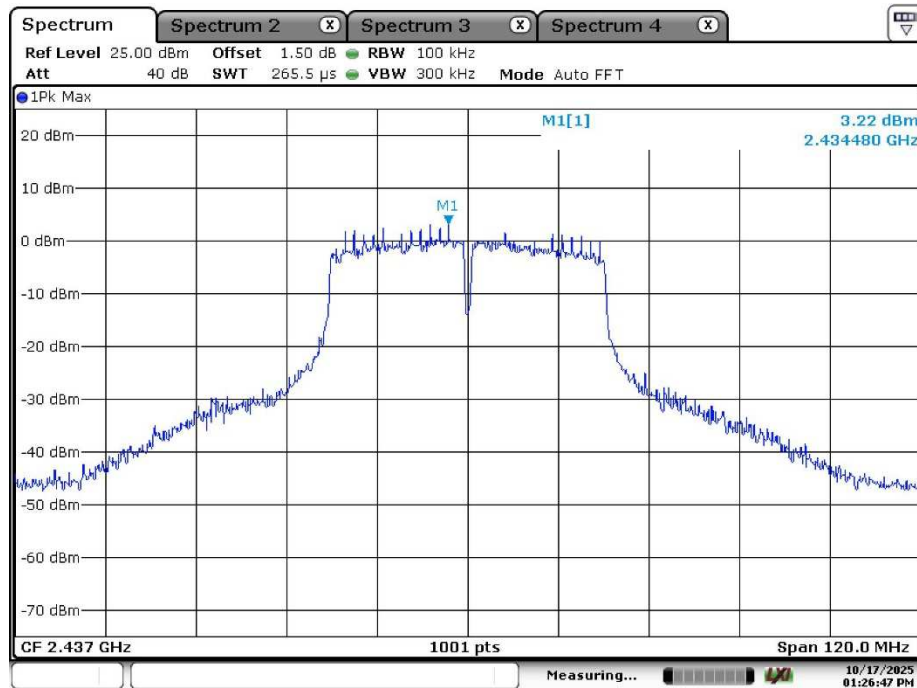


Date: 17.OCT.2025 13:29:07

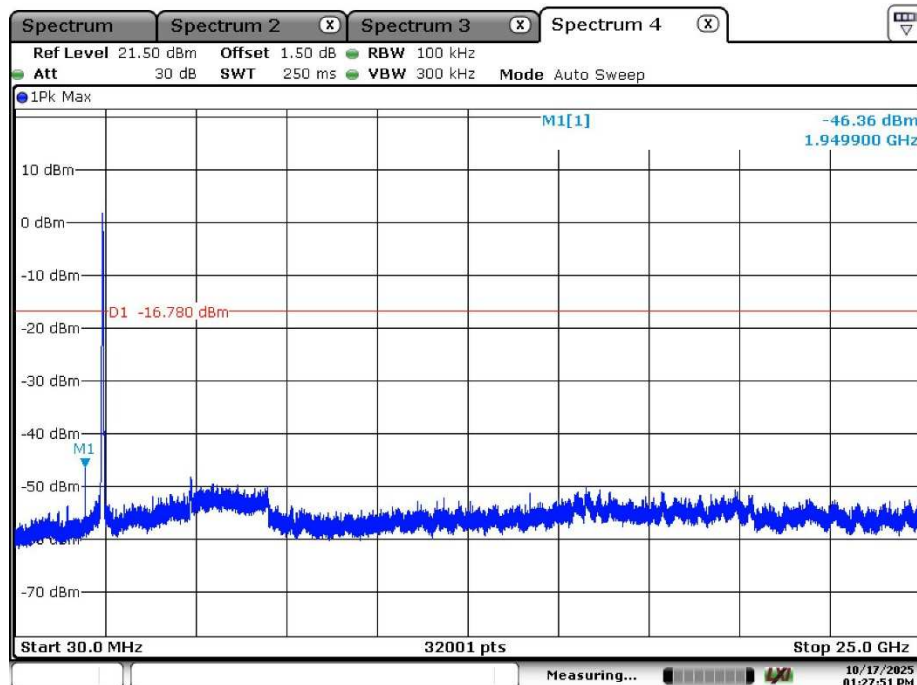


Date: 17.OCT.2025 13:31:31

Middle Channel:

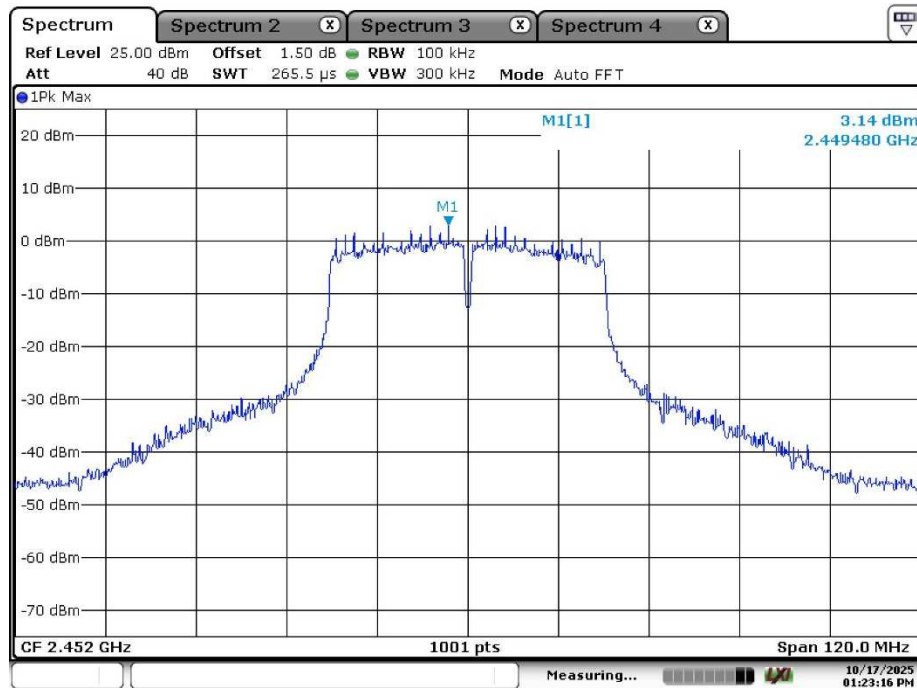


Date: 17.OCT.2025 13:26:48

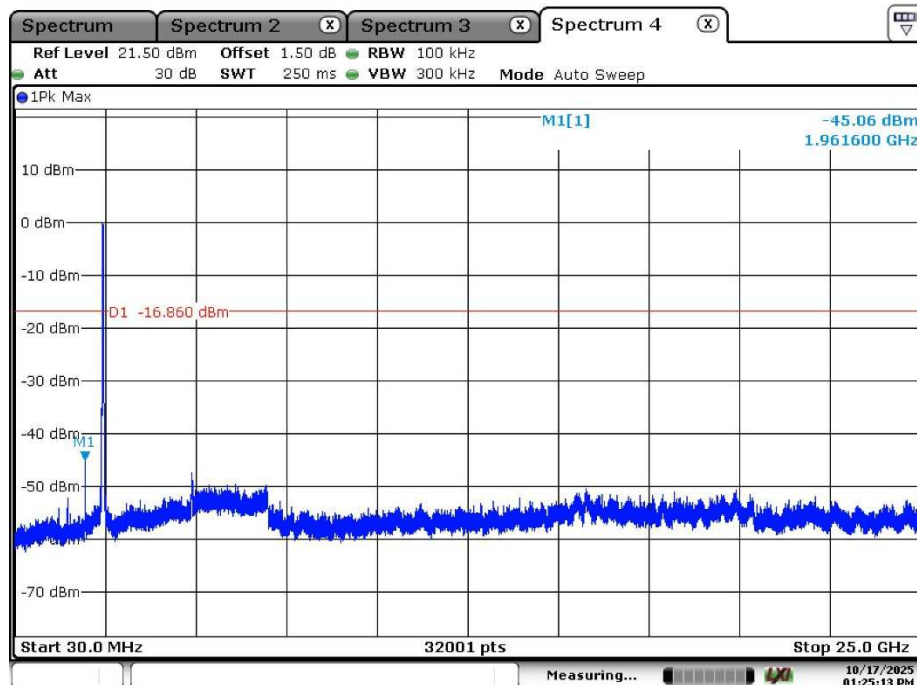


Date: 17.OCT.2025 13:27:52

High Channel:



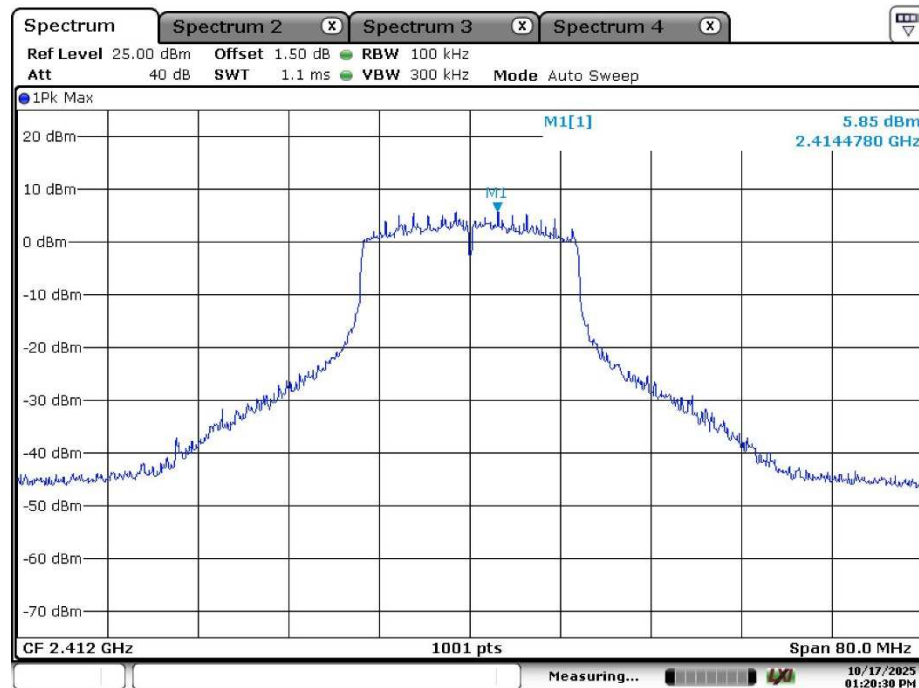
Date: 17.OCT.2025 13:23:17



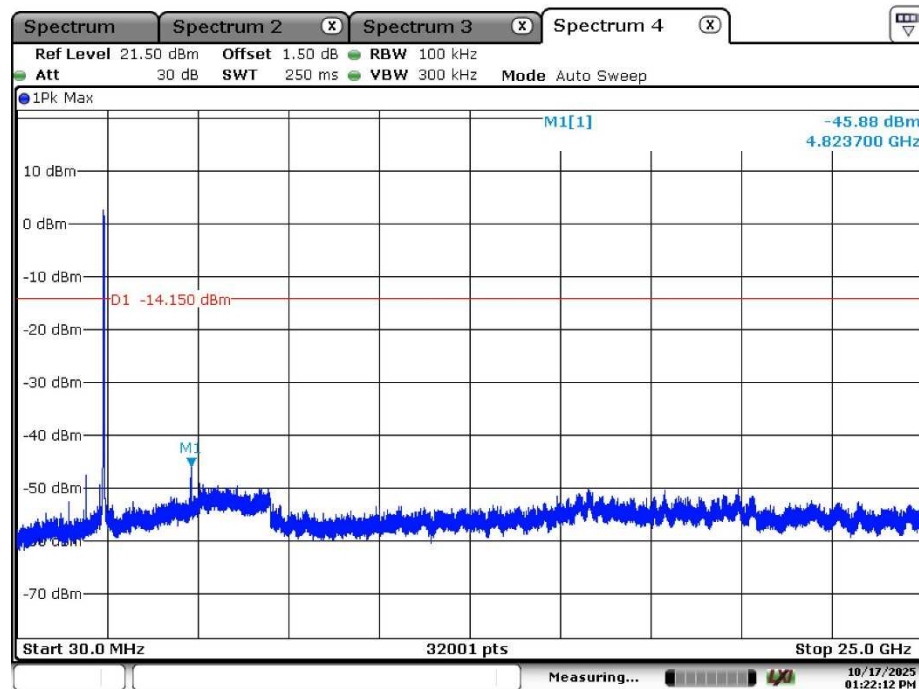
Date: 17.OCT.2025 13:25:14

Wi-Fi 802.11 ax(HE20) mode, Conducted Spurious Emission

Low Channel:

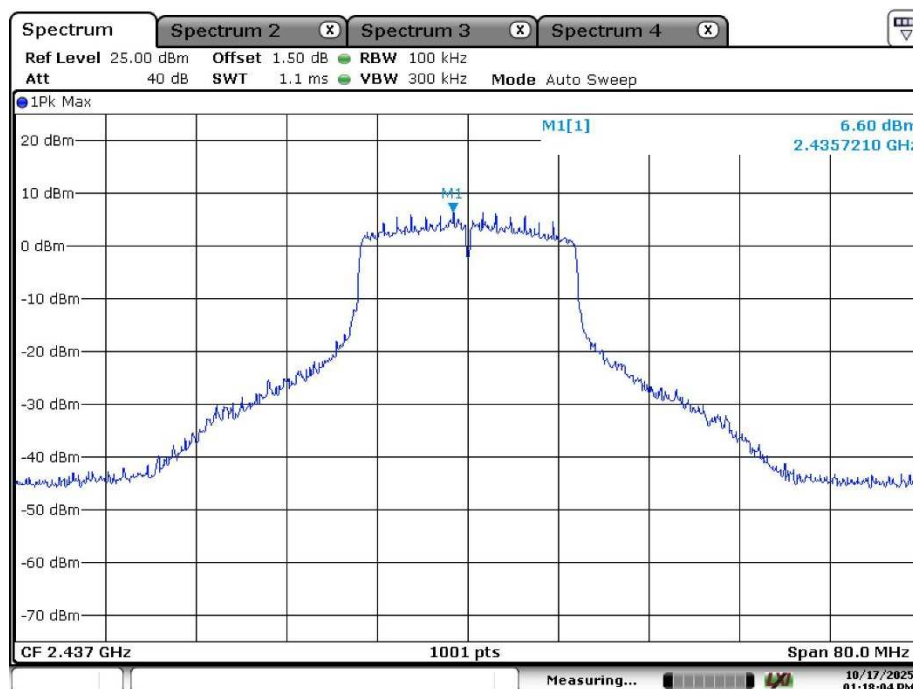


Date: 17.OCT.2025 13:20:31

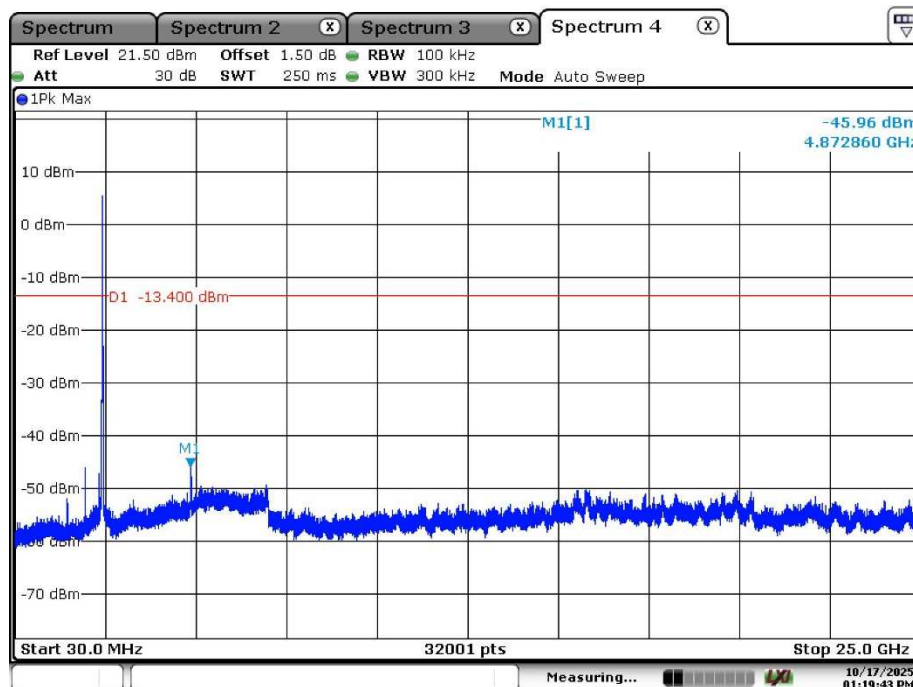


Date: 17.OCT.2025 13:22:13

Middle Channel:

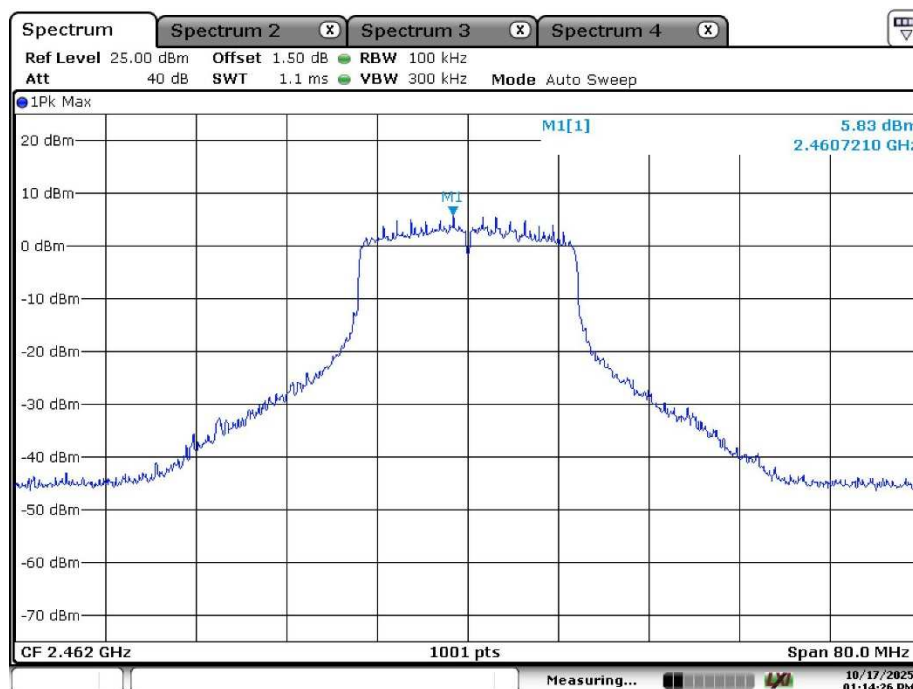


Date: 17.OCT.2025 13:18:05

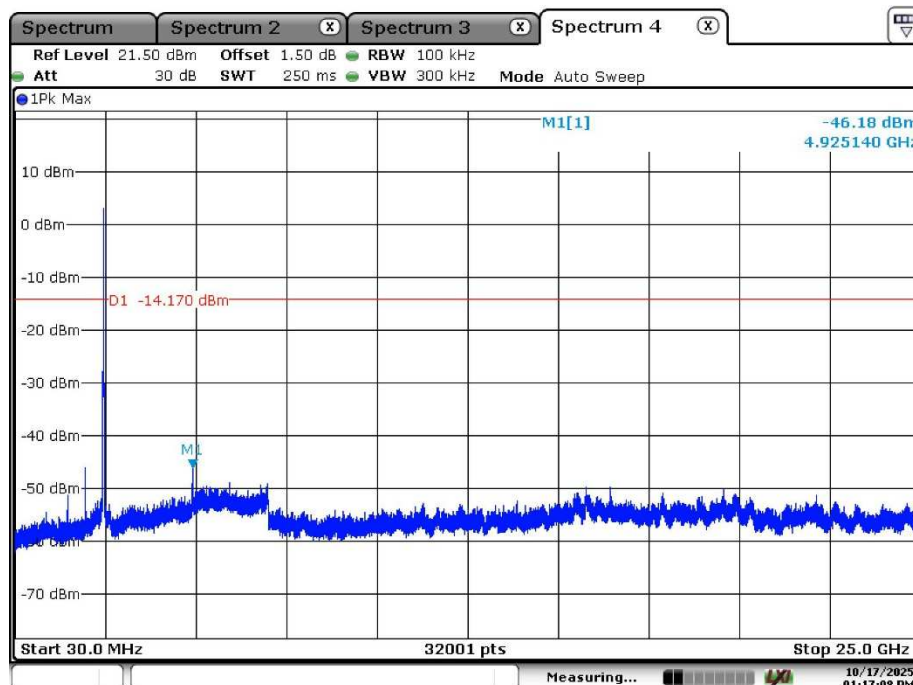


Date: 17.OCT.2025 13:19:43

High Channel:



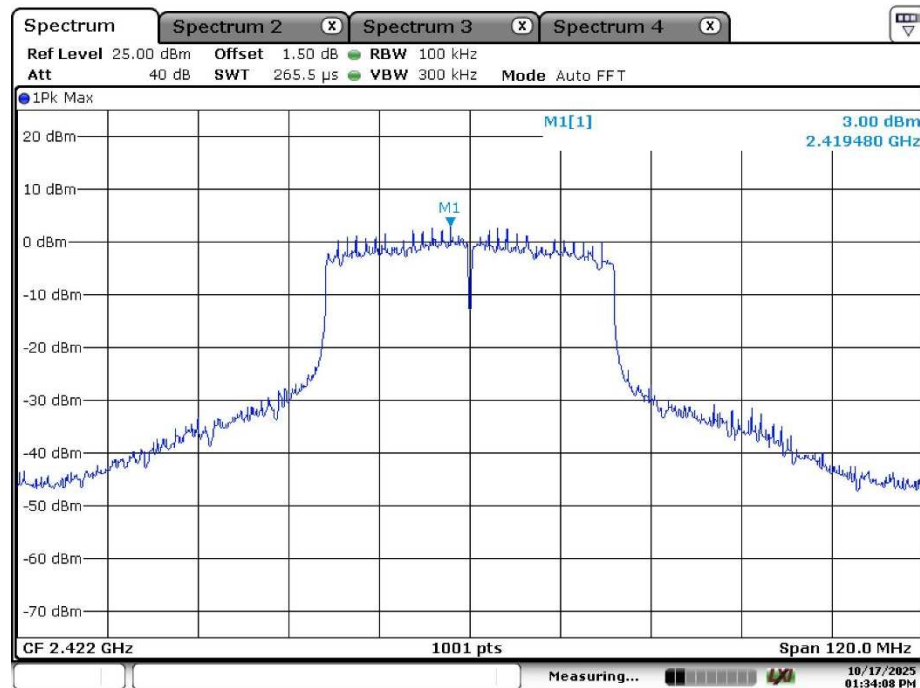
Date: 17.OCT.2025 13:14:27



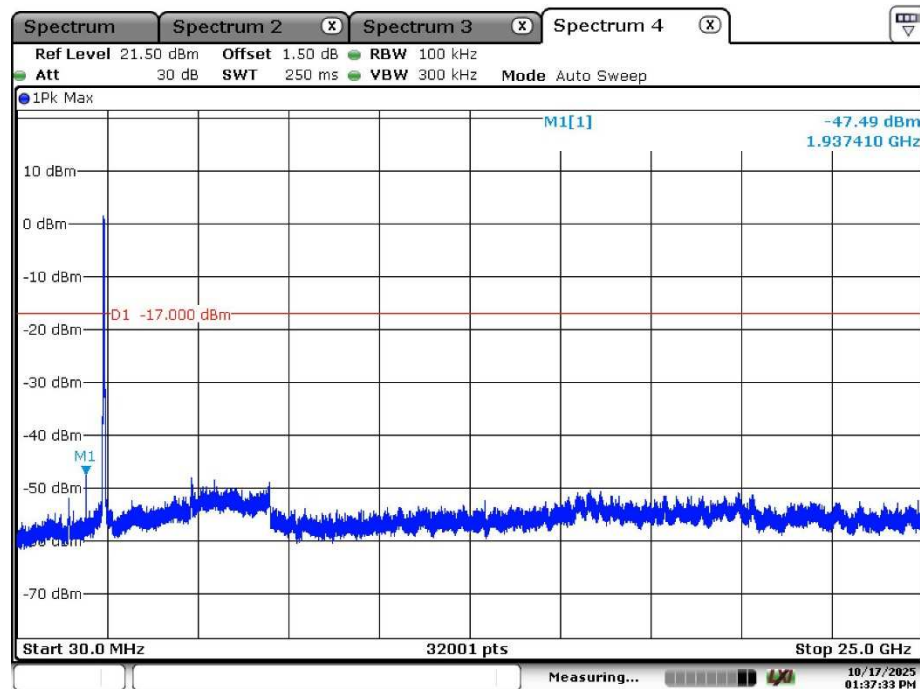
Date: 17.OCT.2025 13:17:09

Wi-Fi 802.11 ax(HE40) mode, Conducted Spurious Emission

Low Channel:

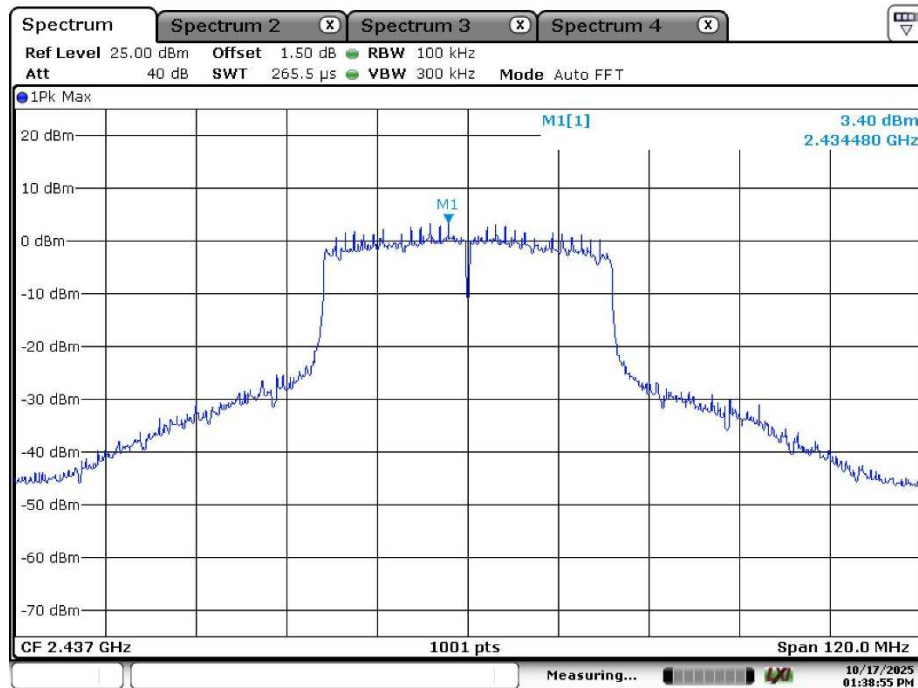


Date: 17.OCT.2025 13:34:08

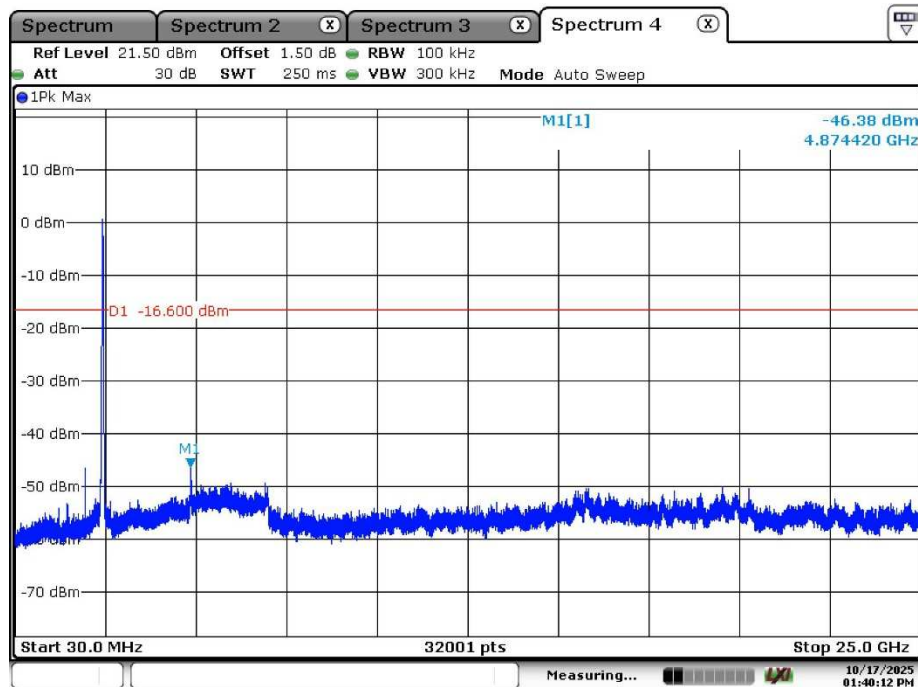


Date: 17.OCT.2025 13:37:34

Middle Channel:

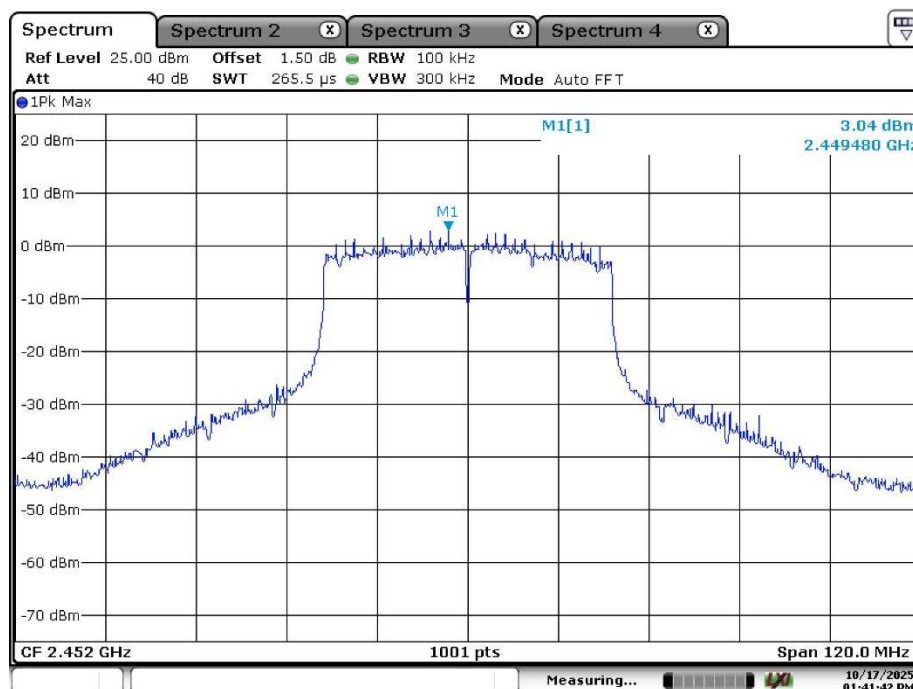


Date: 17.OCT.2025 13:38:56

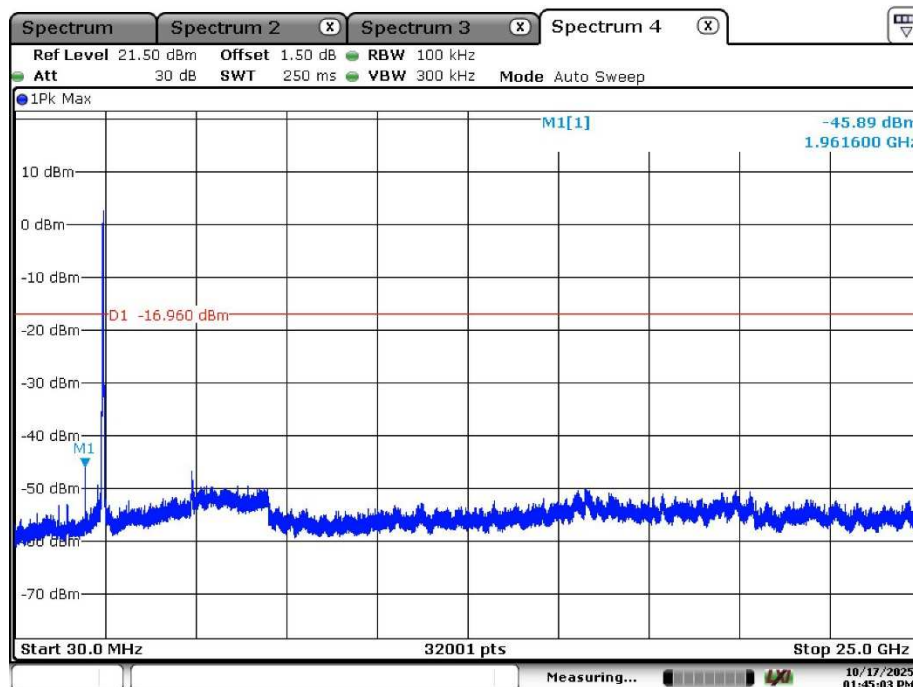


Date: 17.OCT.2025 13:40:12

High Channel:



Date: 17.OCT.2025 13:41:43



Date: 17.OCT.2025 13:45:03

Appendix B.5: Test Results of Radiated Spurious Emissions

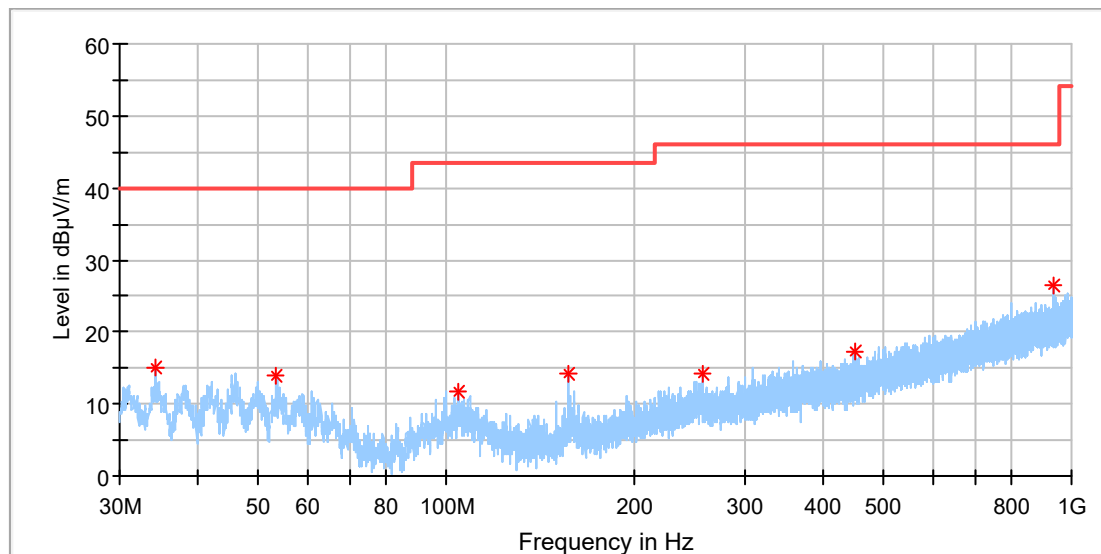
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

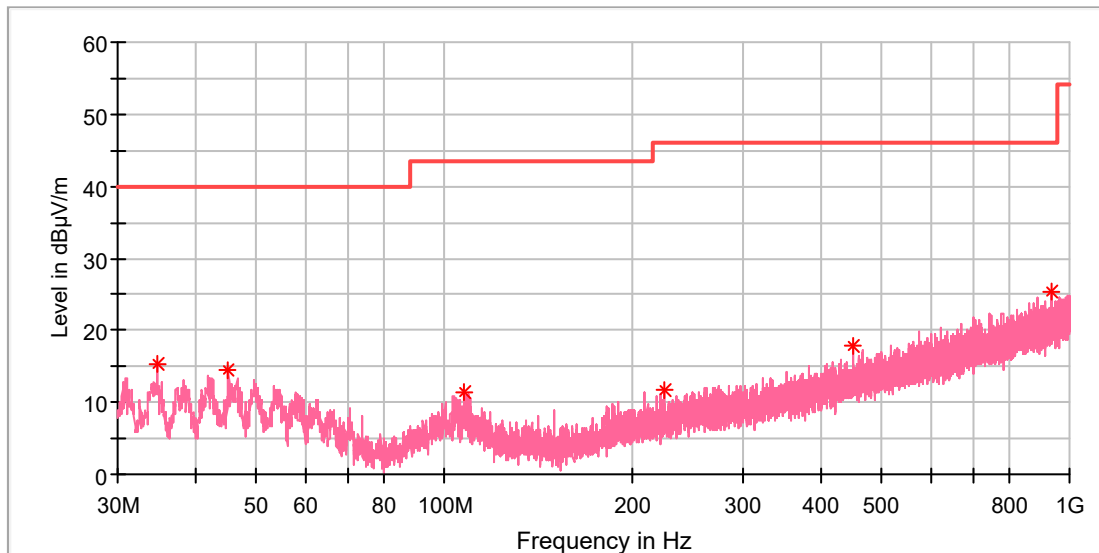
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.215769	15.01	40.00	24.99	100.0	H	144.0	-22.2
53.541154	14.09	40.00	25.91	100.0	H	200.0	-18.5
104.503462	11.65	43.50	31.85	100.0	H	185.0	-18.9
157.032692	14.15	43.50	29.35	100.0	H	0.0	-21.9
257.875385	14.22	46.00	31.78	100.0	H	185.0	-17.2
451.912692	17.30	46.00	28.70	100.0	H	84.0	-12.7
938.442308	26.38	46.00	19.62	100.0	H	178.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.812692	15.27	40.00	24.73	100.0	V	120.0	-22.0
45.184231	14.51	40.00	25.49	100.0	V	348.0	-18.9
107.935769	11.51	43.50	31.99	100.0	V	216.0	-19.1
225.380385	11.84	46.00	34.16	100.0	V	224.0	-18.4
450.047308	17.91	46.00	28.09	100.0	V	68.0	-12.8
936.950000	25.53	46.00	20.47	100.0	V	0.0	-4.4

Final Result

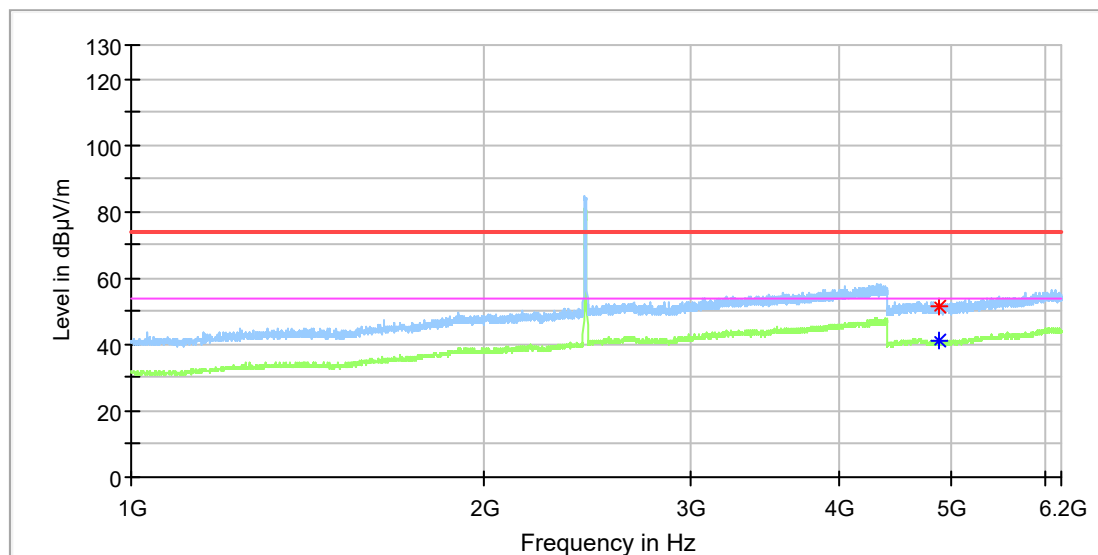
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	---	41.29	54.00	12.71	150.0	H	163.0	13.3
4879.500000	51.61	---	74.00	22.39	150.0	H	182.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

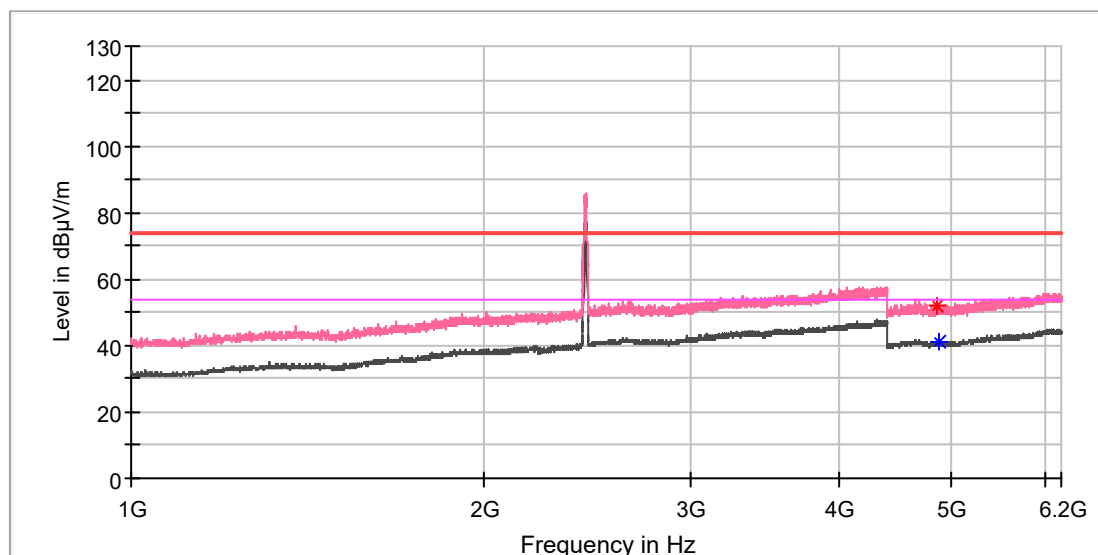
[illegible]

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	-----

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4849.500000	52.23	---	74.00	21.77	150.0	V	262.0	13.3
4873.000000	---	41.39	54.00	12.61	150.0	V	111.0	13.3

Final Result

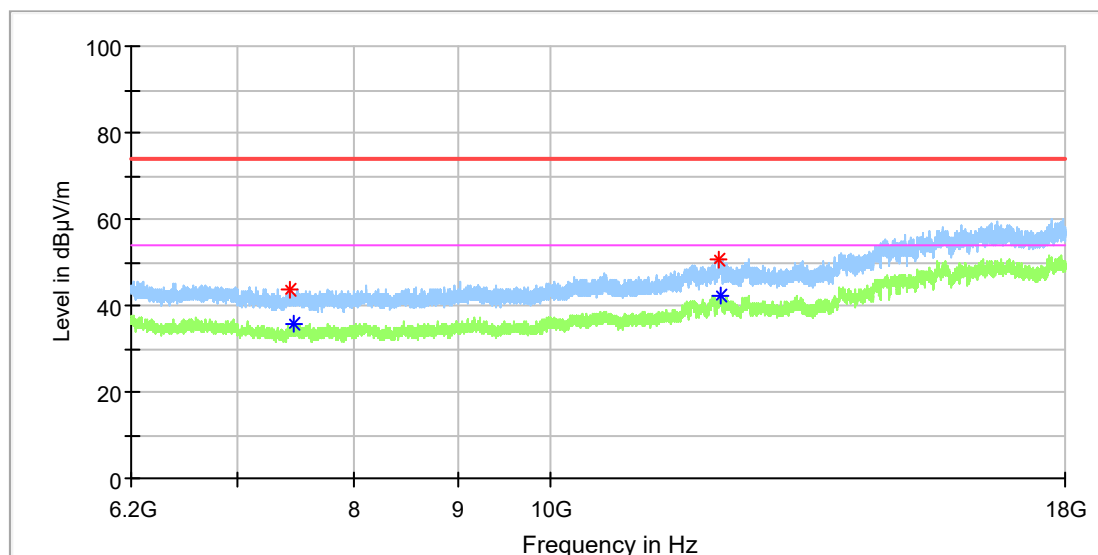
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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[illegible]

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	-----

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

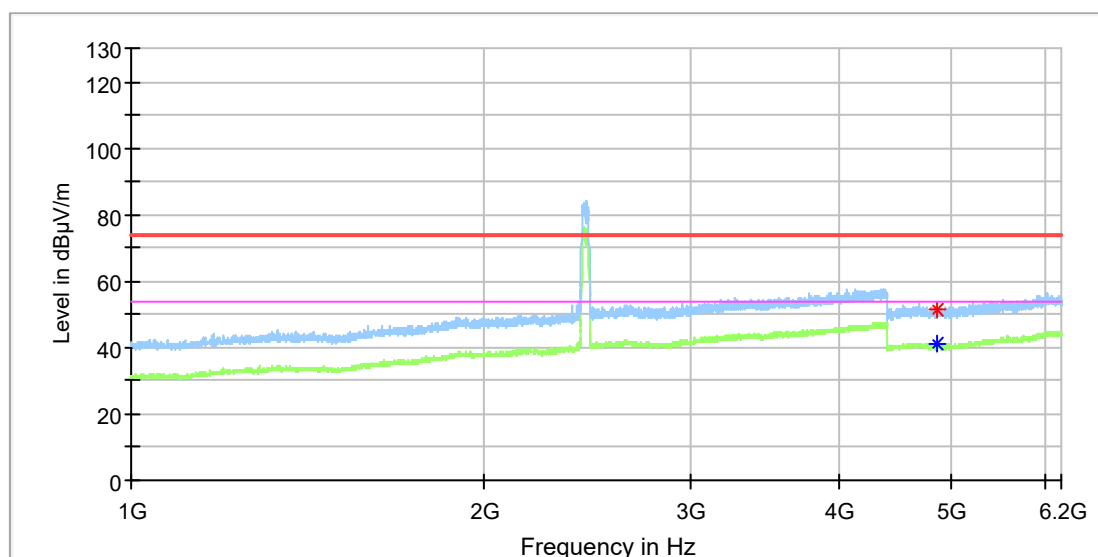
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7430.150000	43.71	---	74.00	30.29	150.0	H	25.0	8.4
7465.058333	---	35.85	54.00	18.15	150.0	H	208.0	8.6
12126.058333	50.79	---	74.00	23.21	150.0	H	46.0	16.1
12142.775000	---	42.33	54.00	11.67	150.0	H	0.0	16.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4861.500000	51.69	---	74.00	22.31	150.0	H	302.0	13.3
4862.000000	---	40.92	54.00	13.08	150.0	H	35.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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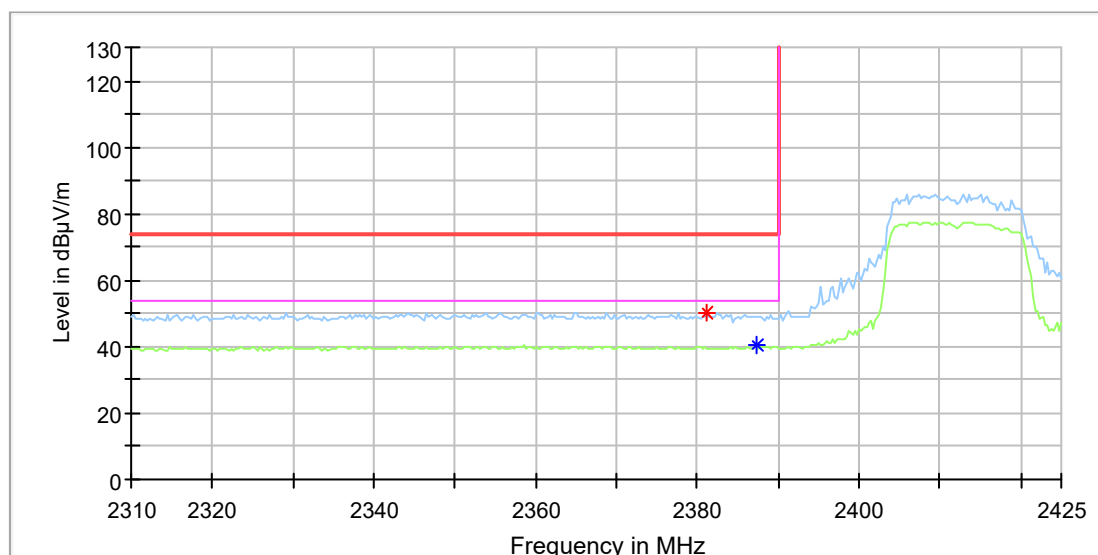
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	100.0	100.0	100.0		100.0	

Wi-Fi 802.11 g mode

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2381.176471	50.45	---	74.00	23.55	150.0	H	60.0	8.5
2387.352941	---	40.31	54.00	13.69	150.0	H	60.0	8.5

Final Result

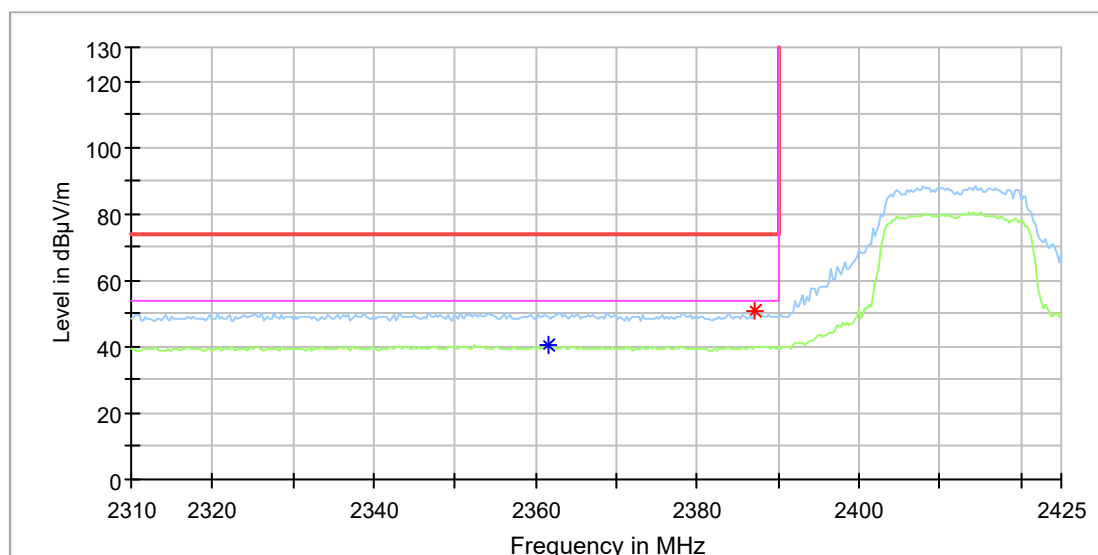
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2361.470588	---	40.50	54.00	13.50	150.0	H	89.0	8.5
2387.058824	50.56	---	74.00	23.44	150.0	H	153.0	8.5

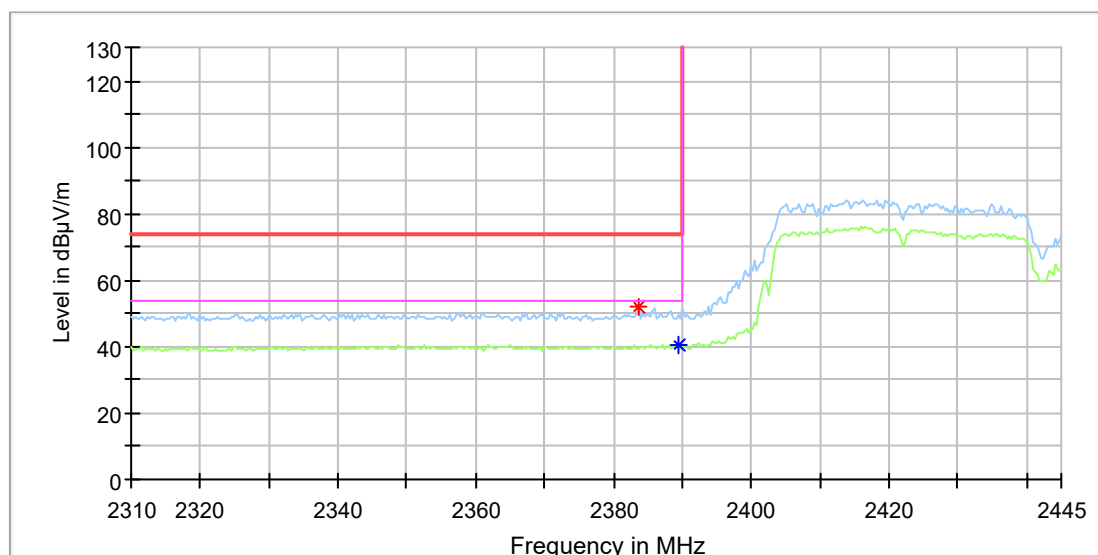
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Wi-Fi 802.11 n(HT40) mode

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2383.529412	51.96	---	74.00	22.04	150.0	H	8.0	8.5
2389.411765	---	40.74	54.00	13.26	150.0	H	0.0	8.5

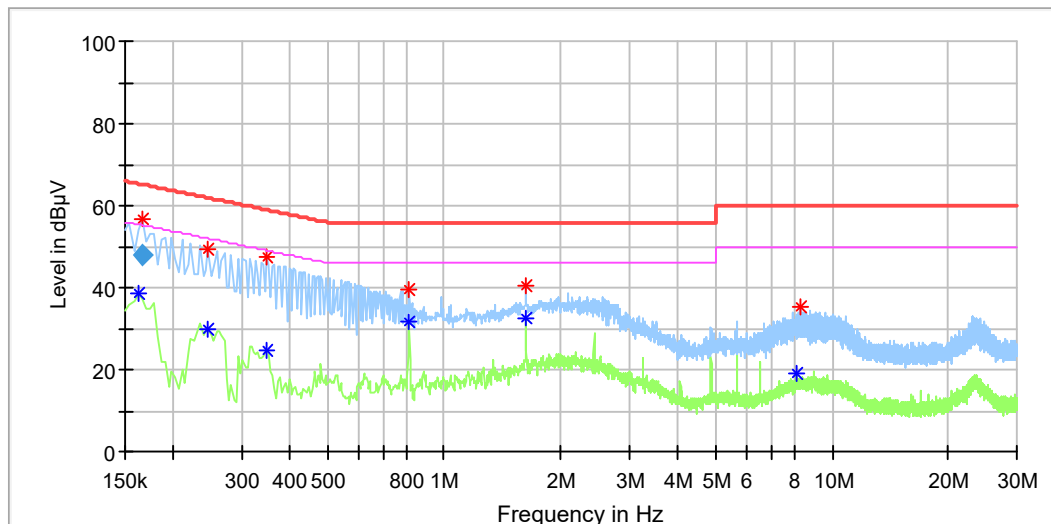
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Appendix B.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: Robotic Vacuum Cleaner
Order Number: 168558370(P01973680)
Model: RRE0CPS
Test Mode: Charging + working
Test Voltage: AC 120V/ 60Hz
Test Standard: FCC Part 15
Test By:/Review By: Leon Zhu / Murphy Chen
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa
Remark: SR 3



Critical Freqs

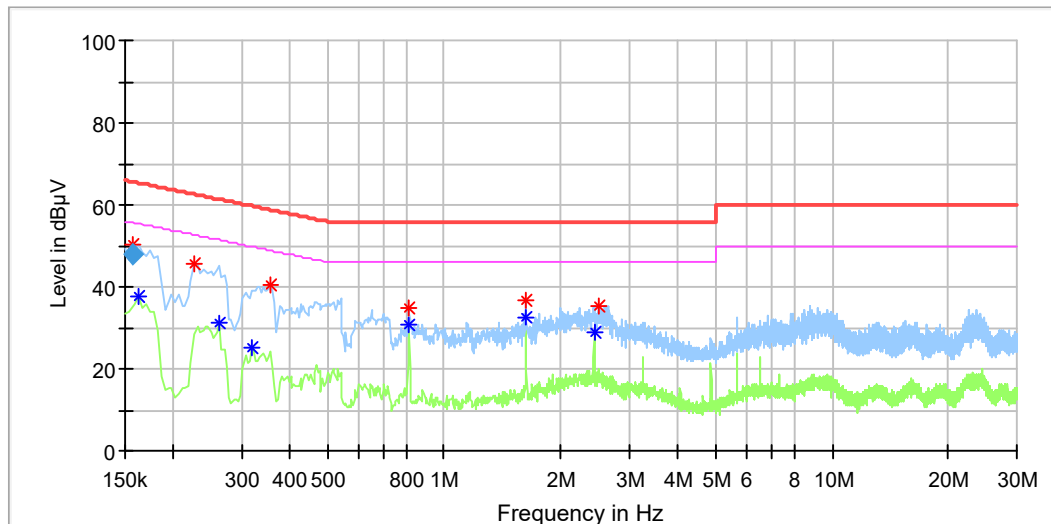
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162	---	38.5	55.36	16.86	L1	9.6
0.166	56.9	---	65.16	8.28	L1	9.6
0.246	---	29.7	51.89	22.17	L1	9.7
0.246	49.4	---	61.89	12.45	L1	9.7
0.350	---	24.5	48.96	24.47	L1	9.6
0.350	47.3	---	58.96	11.65	L1	9.6
0.814	---	31.6	46.00	14.37	L1	9.7
0.814	39.7	---	56.00	16.25	L1	9.7
1.622	---	32.5	46.00	13.47	L1	9.6
1.622	40.3	---	56.00	15.69	L1	9.6
8.118	---	19.1	50.00	30.87	L1	9.9
8.286	35.4	---	60.00	24.62	L1	9.9

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.166	48.0	---	65.18	17.14	1000.0	9.0	L1	9.6

EUT Information

EUT Name: Robotic Vacuum Cleaner
Order Number: 168558370(P01973680)
Model: RRE0CPS
Test Mode: Charging + working
Test Voltage: AC 120V/ 60Hz
Test Standard: FCC Part 15
Test By:/Review By: Leon Zhu / Murphy Chen
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa
Remark: SR 3



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158	50.1	---	65.36	15.21	N	9.8
0.162	---	37.7	55.36	17.65	N	9.8
0.226	45.7	---	62.60	16.90	N	9.9
0.262	---	30.9	51.37	20.42	N	9.9
0.318	---	25.0	49.76	24.79	N	9.9
0.358	40.6	---	58.78	18.14	N	9.9
0.810	34.7	---	56.00	21.29	N	9.8
0.810	---	30.5	46.00	15.47	N	9.8
1.622	36.9	---	56.00	19.09	N	9.9
1.622	---	32.5	46.00	13.47	N	9.9
2.434	---	28.9	46.00	17.06	N	9.9
2.510	35.4	---	56.00	20.55	N	9.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.158	48.0	---	65.60	17.62	1000.0	9.0	N	9.8