

APPENDIX

Test Information:

Sample No.:	39QZ-4	Test Date:	2025/12/03~2025/12/04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

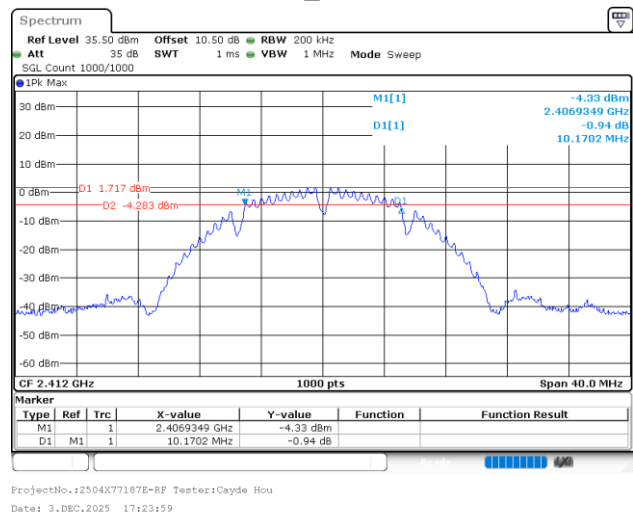
Environmental Conditions:

Temperature: (°C)	24.3~24.5	Relative Humidity: (%)	45~47	ATM Pressure: (kPa)	100.9
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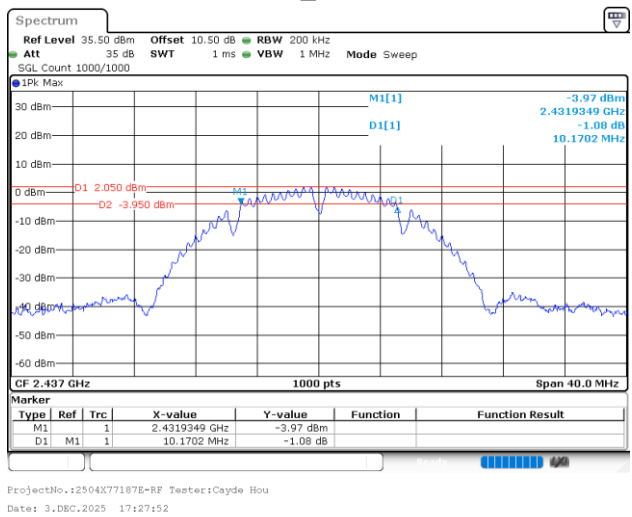
6dB Emission Bandwidth

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	10.170	≥0.5	Pass
	2437	10.170	≥0.5	Pass
	2462	10.170	≥0.5	Pass
802.11g	2412	14.174	≥0.5	Pass
	2437	15.095	≥0.5	Pass
	2462	13.333	≥0.5	Pass
802.11n20	2412	14.334	≥0.5	Pass
	2437	15.135	≥0.5	Pass
	2462	14.134	≥0.5	Pass
802.11n40	2422	31.632	≥0.5	Pass
	2437	31.952	≥0.5	Pass
	2452	32.753	≥0.5	Pass
802.11ax20_RU_Full	2412	14.214	≥0.5	Pass
	2437	13.734	≥0.5	Pass
	2462	13.494	≥0.5	Pass

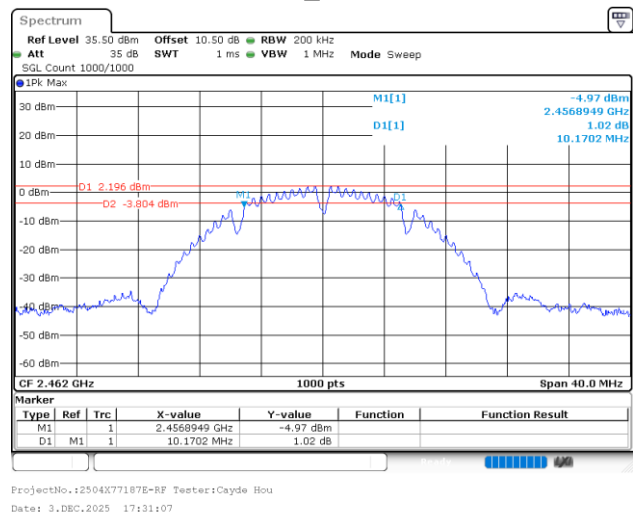
802.11b_2412MHz



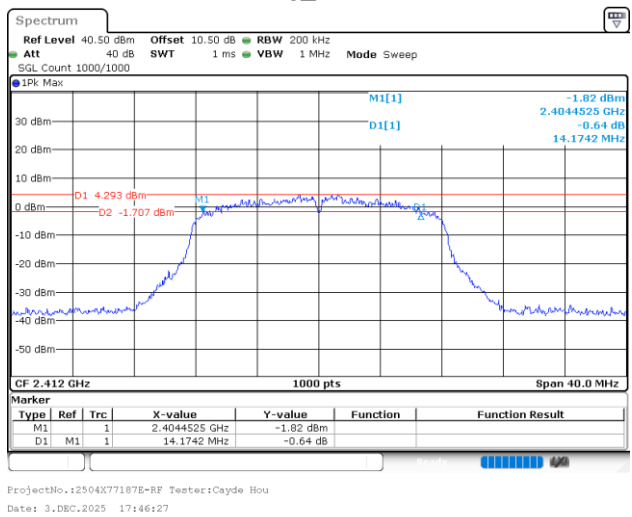
802.11b_2437MHz



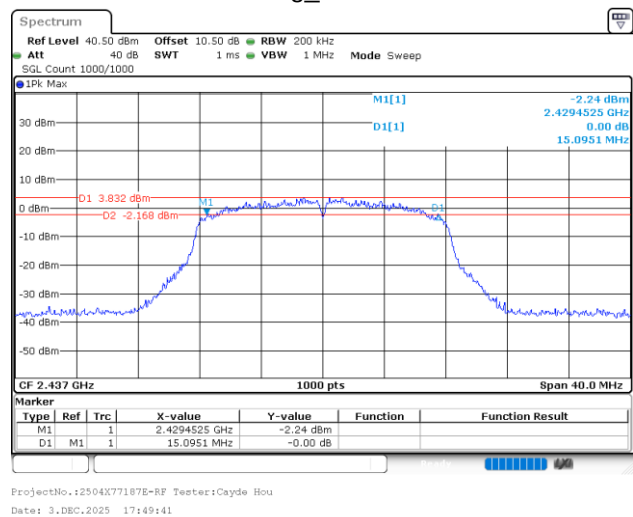
802.11b_2462MHz



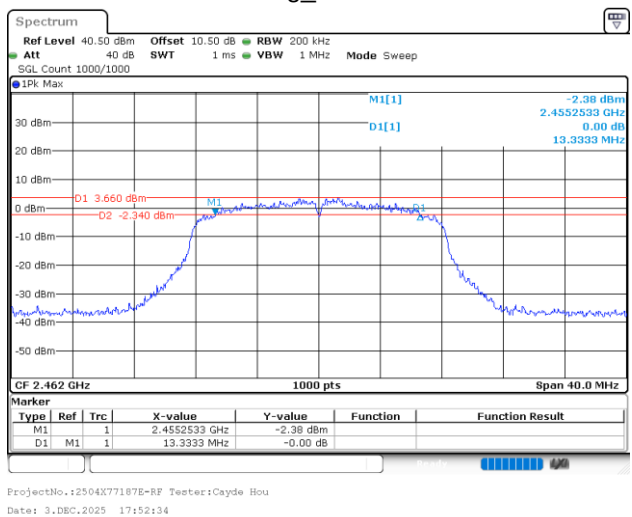
802.11g_2412MHz



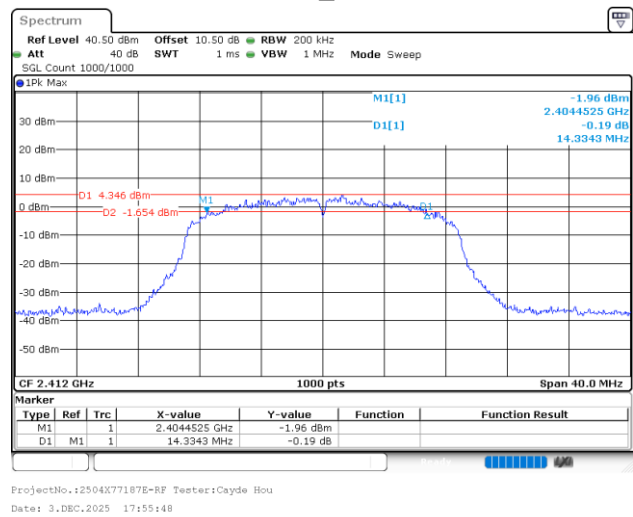
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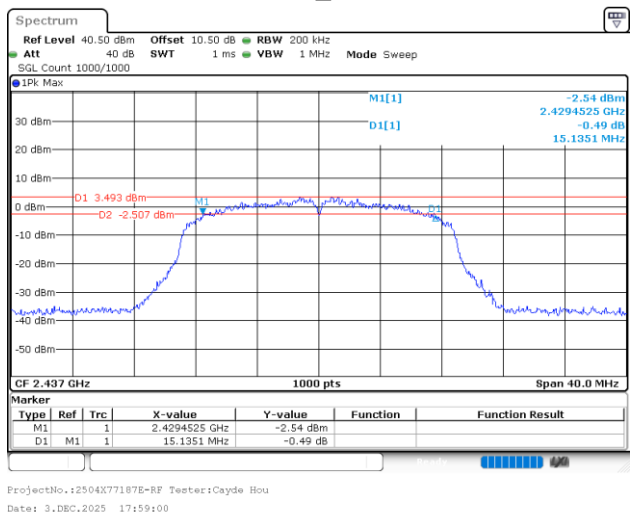
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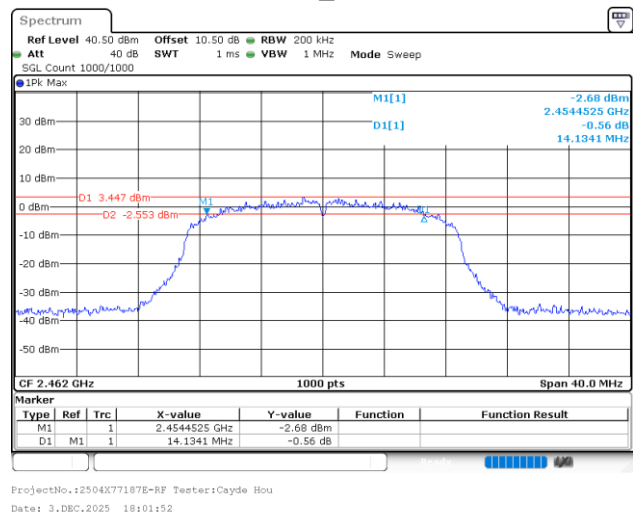
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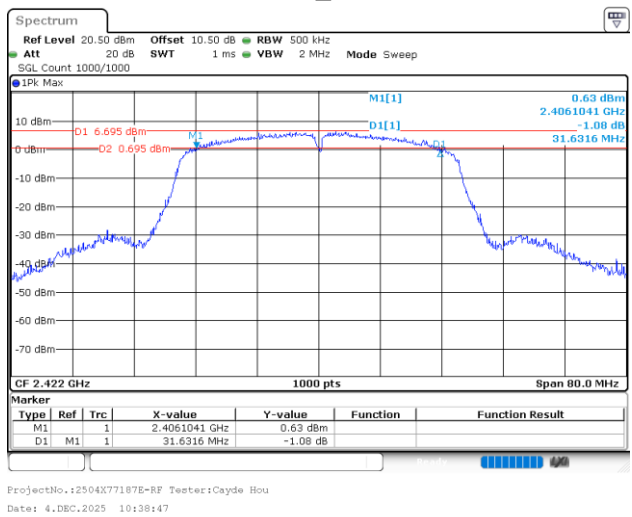
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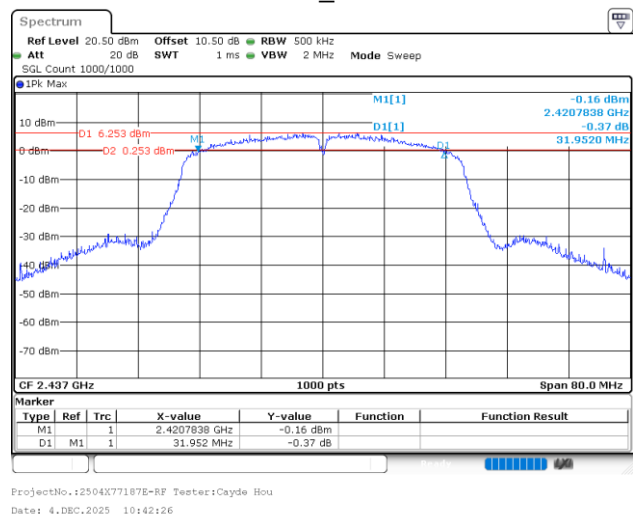
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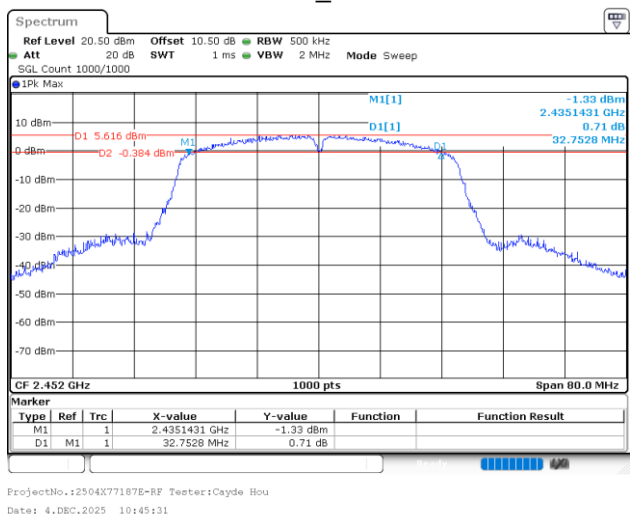
802.11n40_2422MHz



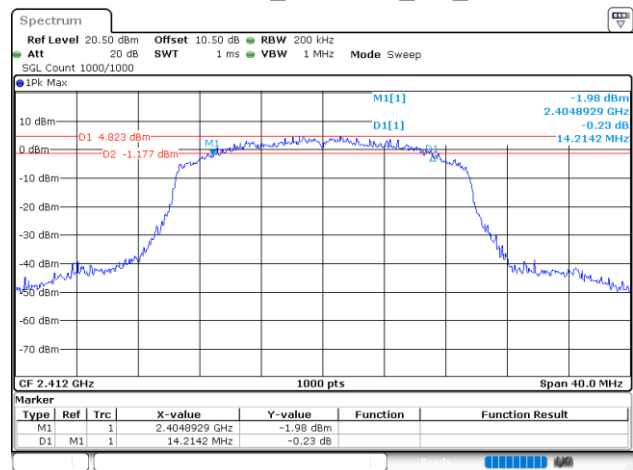
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802.11n40_2452MHz

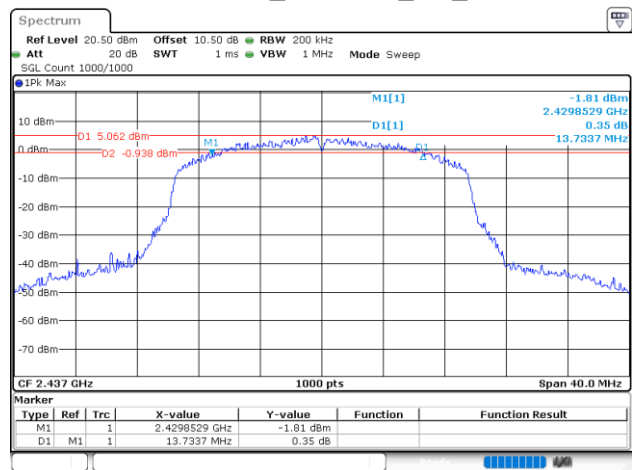


802.11ax20_2412MHz_RU_Full



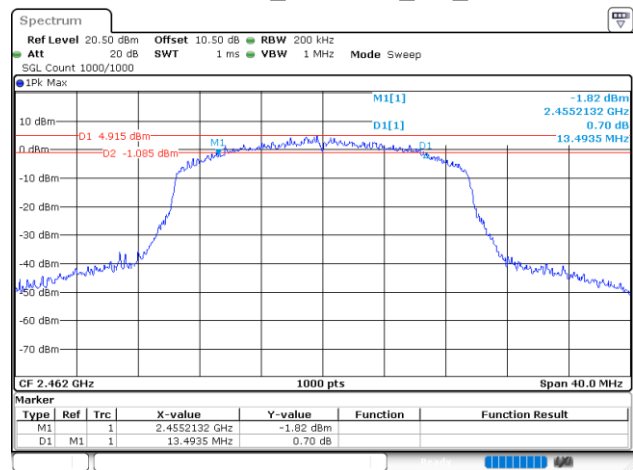
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Date: 4.DEC.2025 10:50:17

802.11ax20_2437MHz_RU_Full



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Date: 4.DEC.2025 10:53:55

802.11ax20_2462MHz_RU_Full

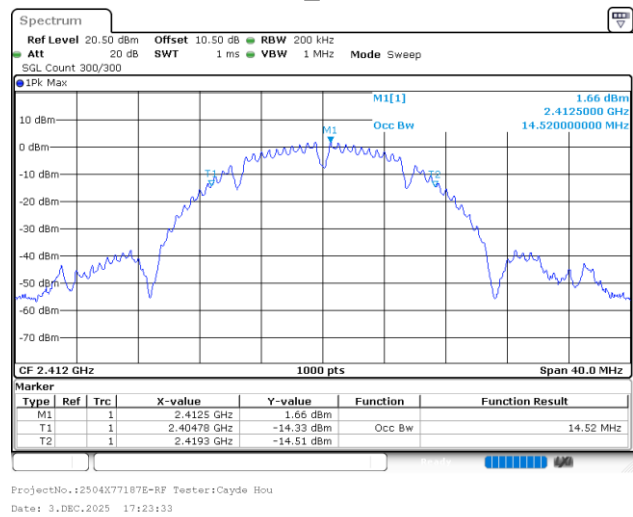


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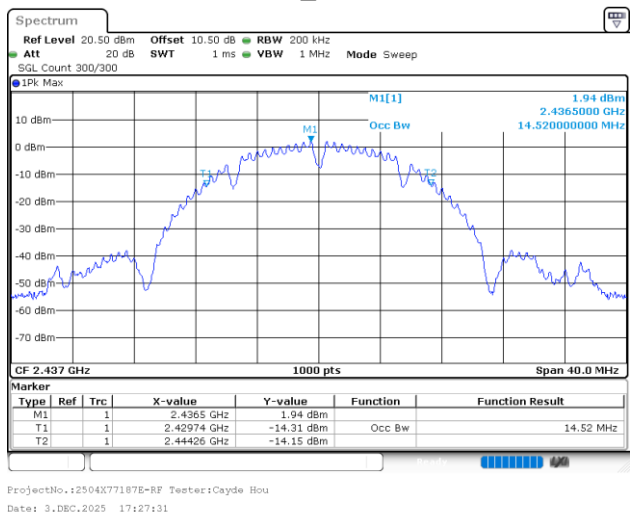
99% Occupied Bandwidth

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	14.520
	2437	14.520
	2462	14.520
802.11g	2412	16
	2437	15.960
	2462	16
802.11n20	2412	17
	2437	17.040
	2462	17.040
802.11n40	2422	35.280
	2437	35.280
	2452	35.280
802.11ax20_RU_Full	2412	18.120
	2437	18.120
	2462	18.120

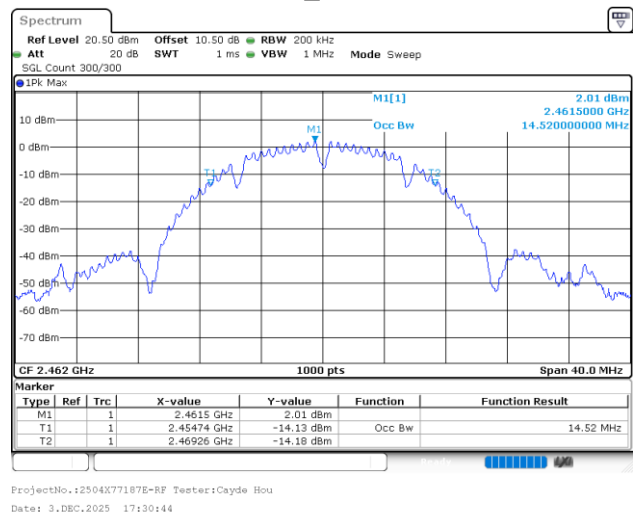
802.11b_2412MHz



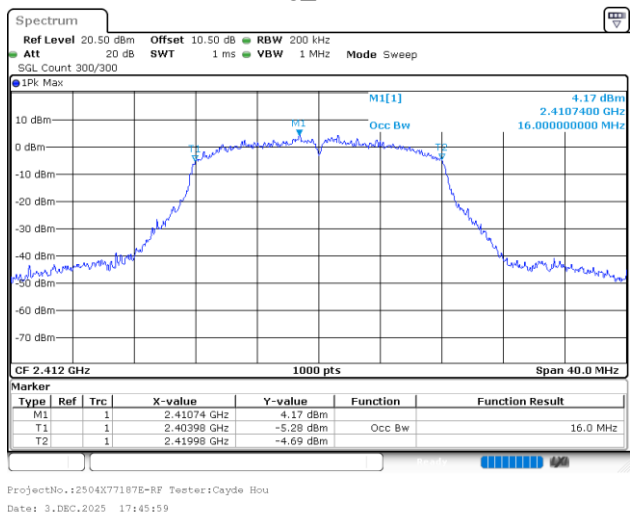
802.11b_2437MHz



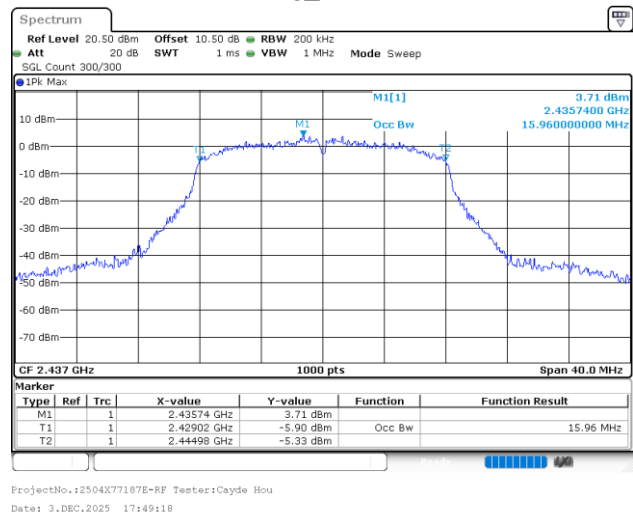
802.11b_2462MHz



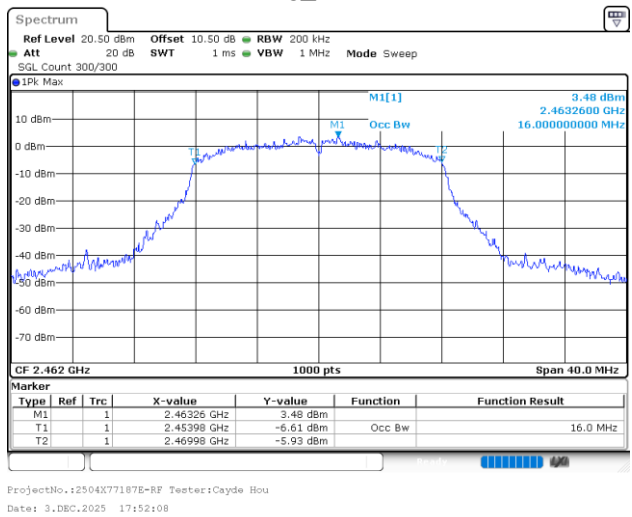
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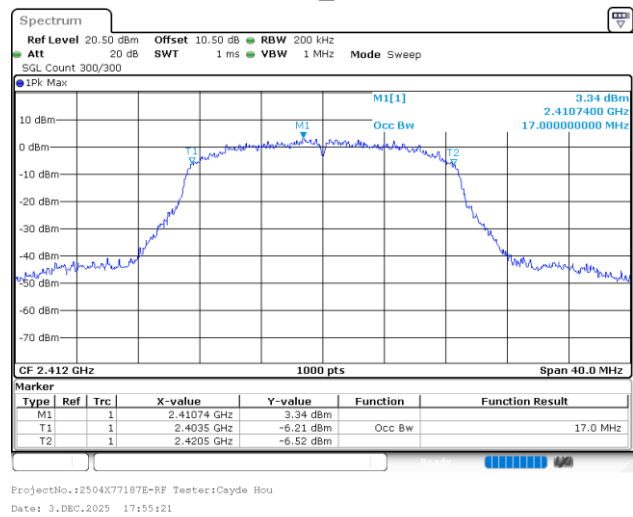
802.11g_2437MHz



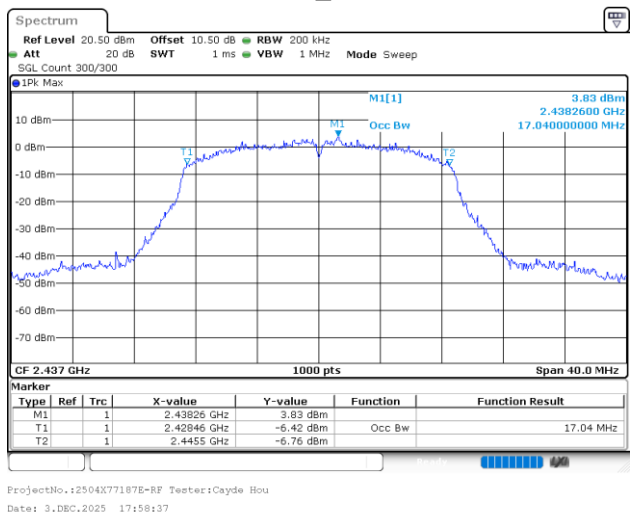
802.11g_2462MHz



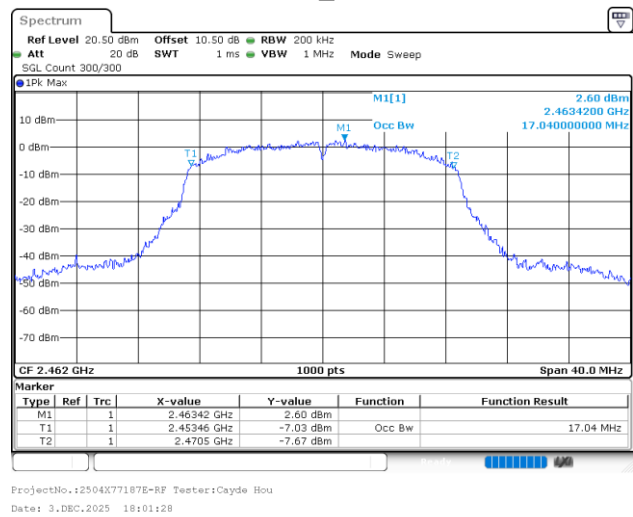
802.11n20_2412MHz



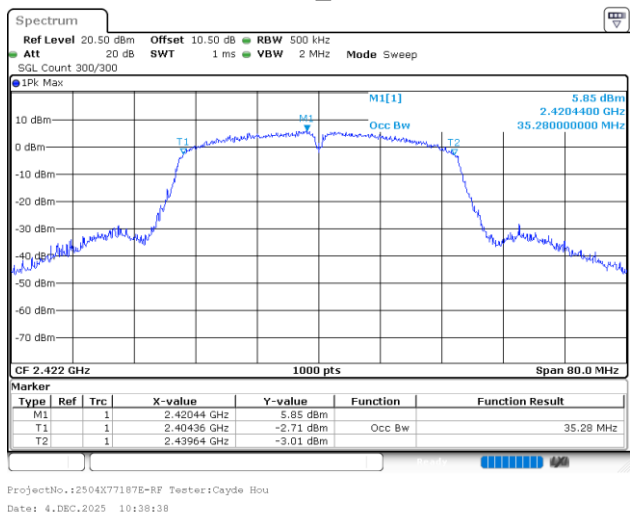
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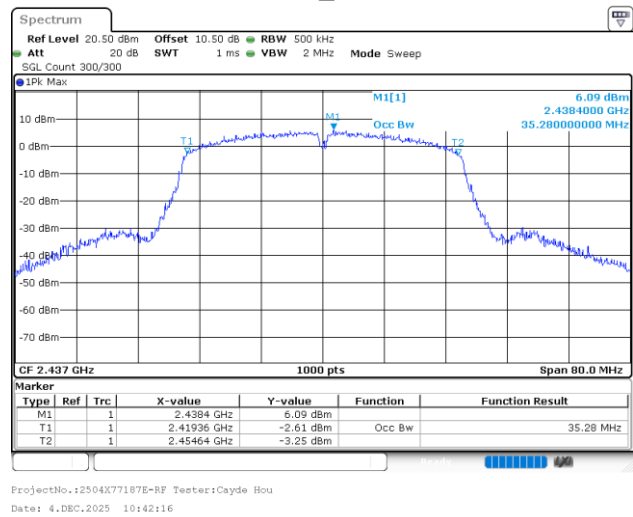
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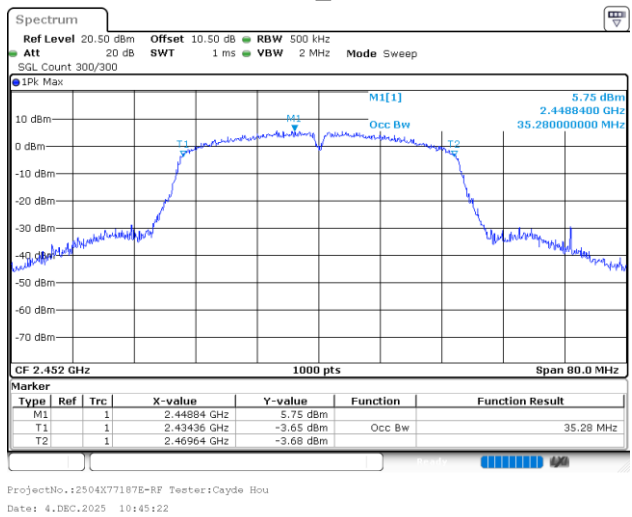
802.11n40_2422MHz



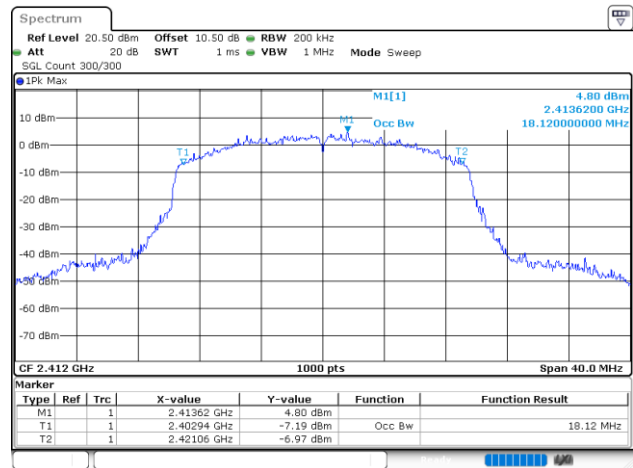
802.11n40_2437MHz



802.11n40_2452MHz

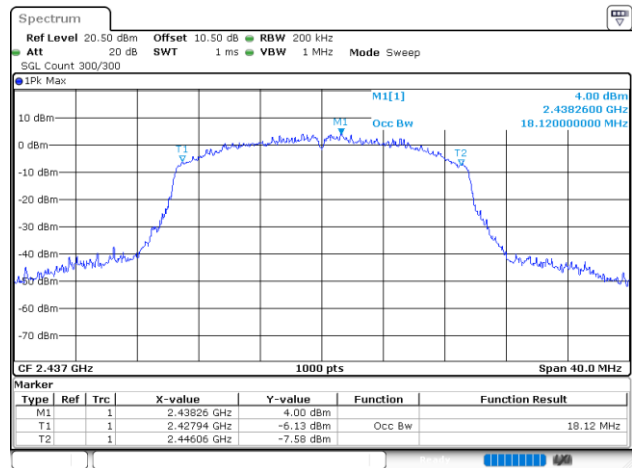


802.11ax20_2412MHz_RU_Full



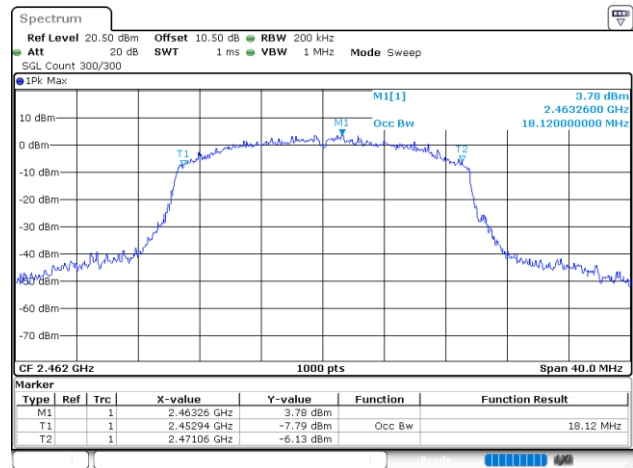
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Date: 4.DEC.2025 10:49:51

802.11ax20_2437MHz_RU_Full



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Date: 4.DEC.2025 10:53:33

802.11ax20_2462MHz_RU_Full



ProjectNo.:2504X77187E-RF Tester:Cayde Hou
Date: 4.DEC.2025 10:56:32

Maximum Conducted Output Power

Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	12.70	10.45	30	Pass
	2437	12.96	10.69	30	Pass
	2462	12.99	10.74	30	Pass
802.11g	2412	26.61	13.56	30	Pass
	2437	25.81	13.23	30	Pass
	2462	25.96	12.82	30	Pass
802.11n20	2412	26.42	13.30	30	Pass
	2437	25.93	12.98	30	Pass
	2462	26.46	12.58	30	Pass
802.11n40	2422	26.79	14.78	30	Pass
	2437	26.57	14.57	30	Pass
	2452	26.54	14.35	30	Pass
802.11ax20_RU_Full	2412	25.83	13.08	30	Pass
	2437	25.56	12.75	30	Pass
	2462	25.72	12.34	30	Pass

Note 1: The antenna gain is 2.56dBi[#].

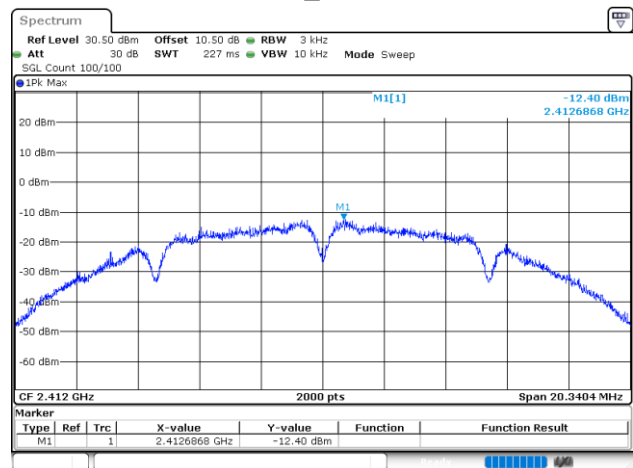
Note 2: EIRP = Conducted Output Power + Antenna Gain

Note 3: The maximum EIRP is 26.79dBm + 2.56dBi = 29.35dBm < 36dBm, so it's compliance with ISED EIRP limit.

Power Spectral Density

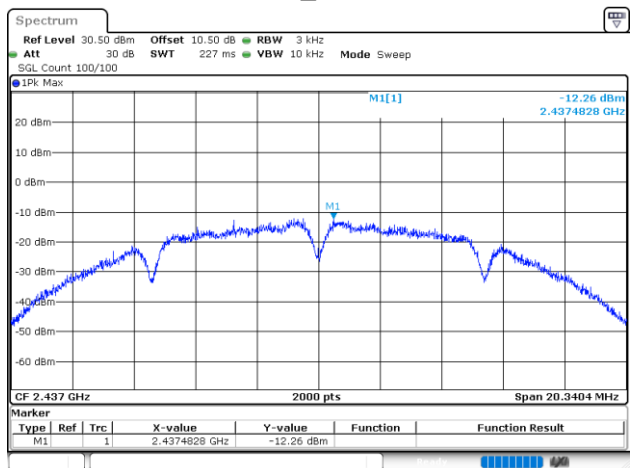
Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-12.40	8	Pass
	2437	-12.26	8	Pass
	2462	-12.06	8	Pass
802.11g	2412	-10.96	8	Pass
	2437	-10.74	8	Pass
	2462	-11.22	8	Pass
802.11n20	2412	-10.48	8	Pass
	2437	-9.70	8	Pass
	2462	-11.38	8	Pass
802.11n40	2422	-11.30	8	Pass
	2437	-12.12	8	Pass
	2452	-11.55	8	Pass
802.11ax20_RU_Full	2412	-10.90	8	Pass
	2437	-10.84	8	Pass
	2462	-11.97	8	Pass

802.11b_2412MHz



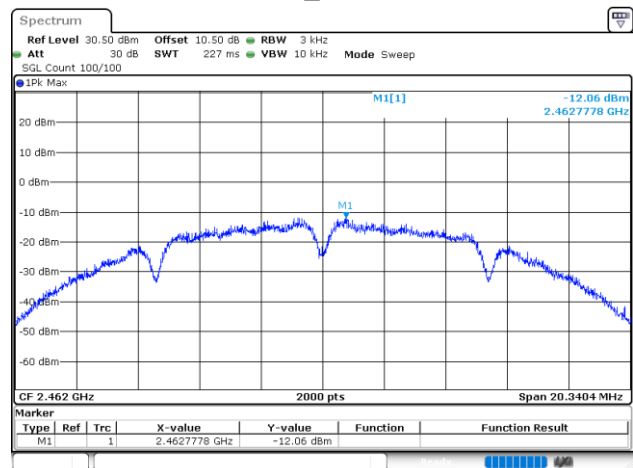
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Date: 3.DEC.2025 17:26:01

802.11b_2437MHz



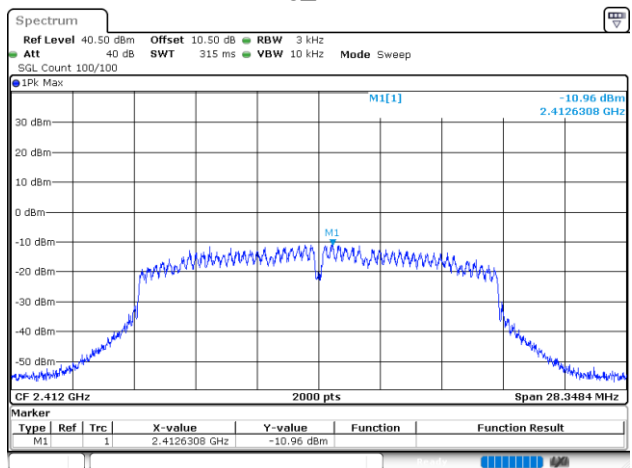
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802.11b_2462MHz



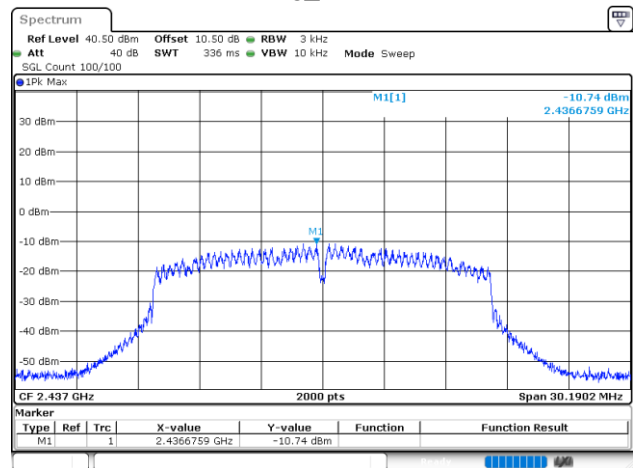
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Date: 3.DEC.2025 17:32:59

802.11g_2412MHz



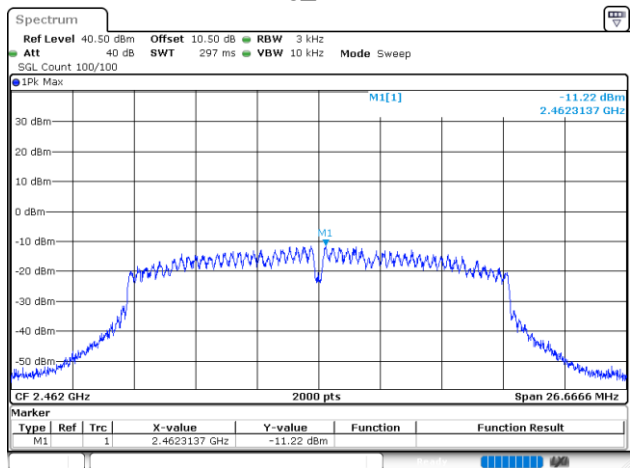
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Date: 3.DEC.2025 17:48:39

802.11g_2437MHz



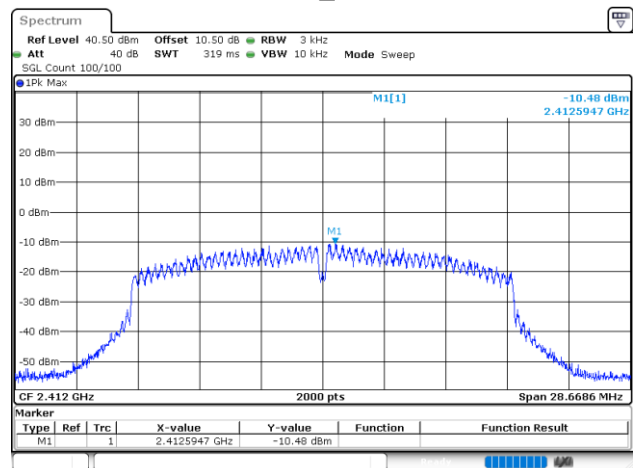
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802.11g_2462MHz



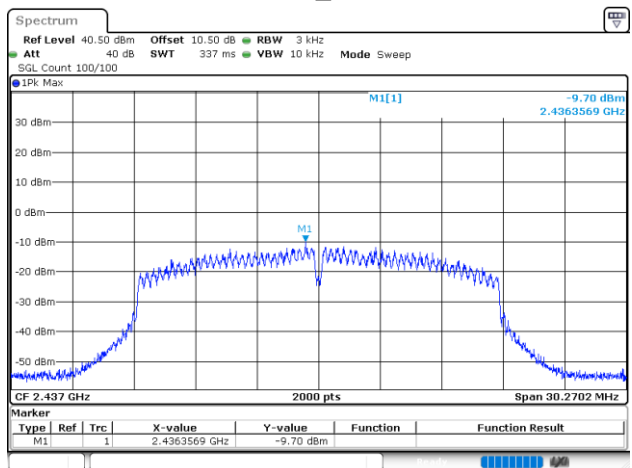
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Date: 3.DEC.2025 17:54:39

802.11n20_2412MHz



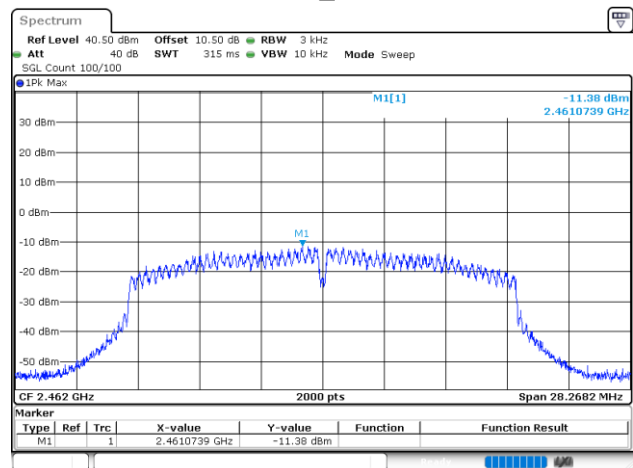
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802.11n20_2437MHz



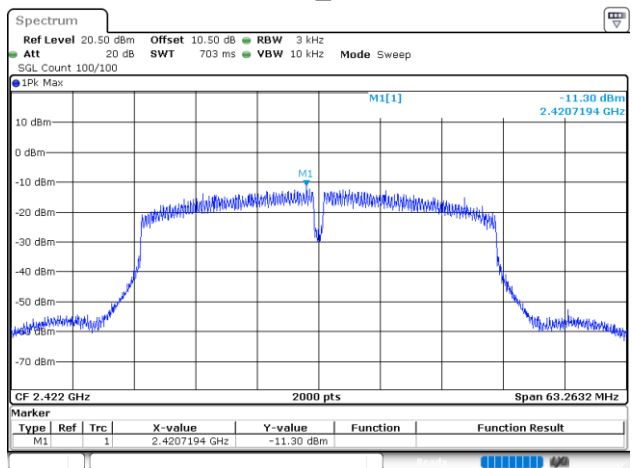
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802.11n20_2462MHz



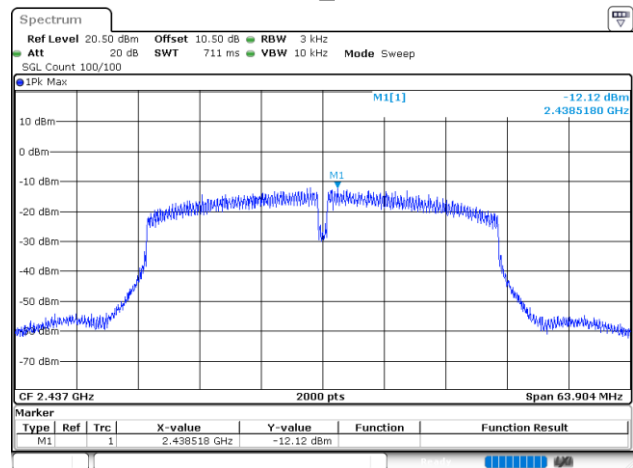
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Date: 3.DEC.2025 18:03:57

802.11n40_2422MHz



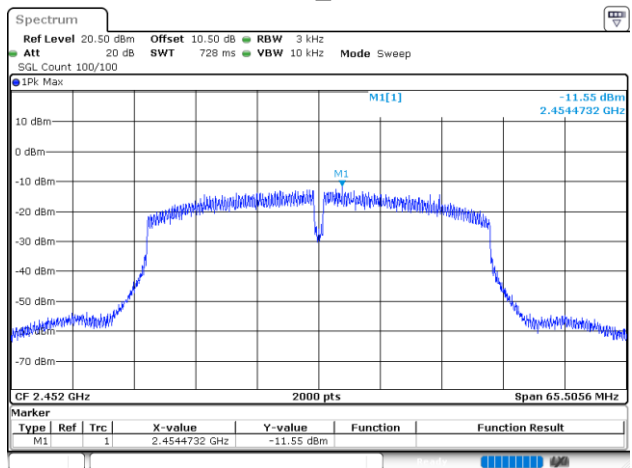
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802.11n40_2437MHz



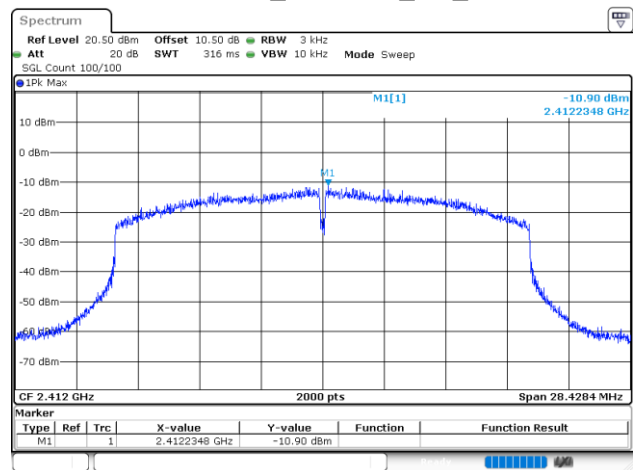
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Date: 4.DEC.2025 10:44:41

802.11n40_2452MHz



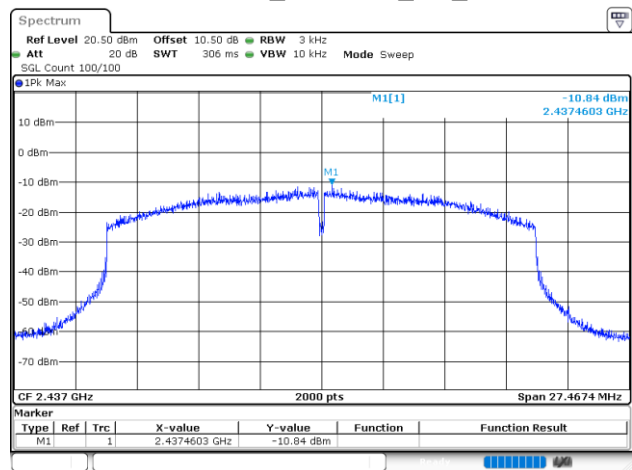
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802.11ax20_2412MHz_RU_Full



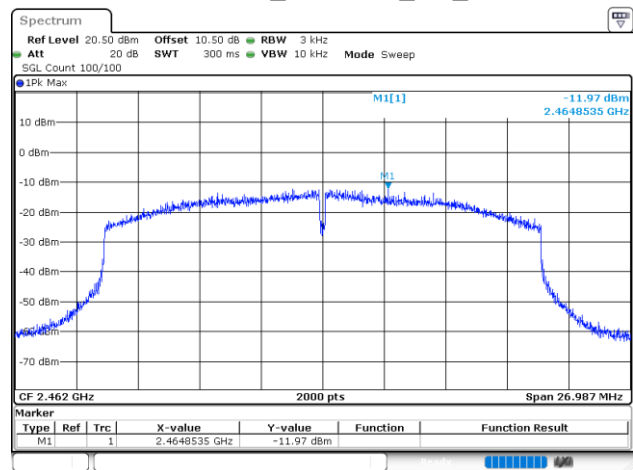
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802.11ax20_2437MHz_RU_Full



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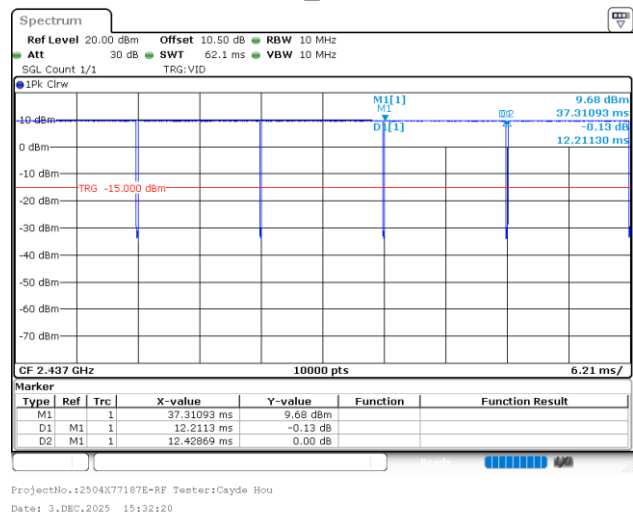
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Date: 4.DEC.2025 10:58:56

Duty Cycle

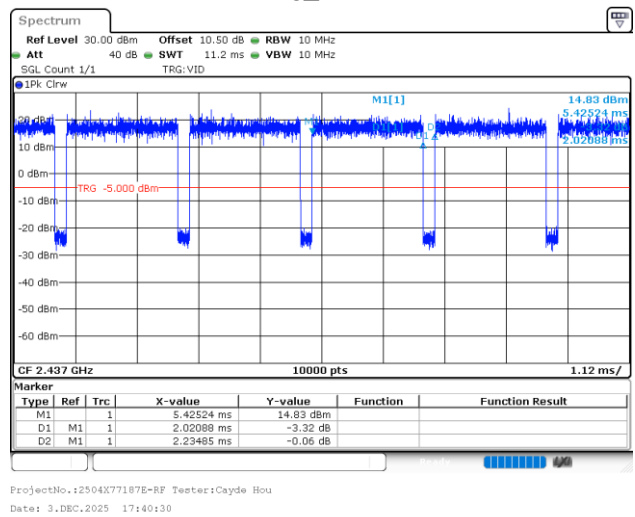
Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	12.211	12.429	98.25	/	/	0.010
802.11g	2437	2.021	2.235	90.43	0.44	495	0.500
802.11n20	2437	5.071	5.433	93.34	0.30	197	0.200
802.11n40	2437	2.460	2.818	87.30	0.59	407	0.500
802.11ax20_RU_FULLL	2437	3.867	4.227	91.48	0.39	259	0.300

Duty Cycle = Ton/(Ton+Toff)*100%

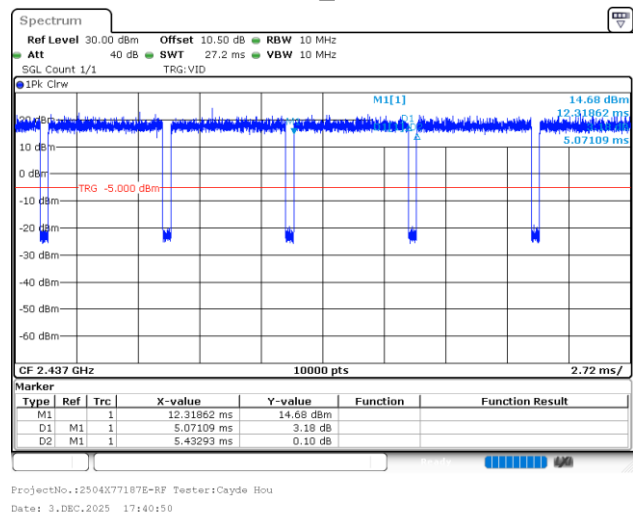
802.11b_2437MHz



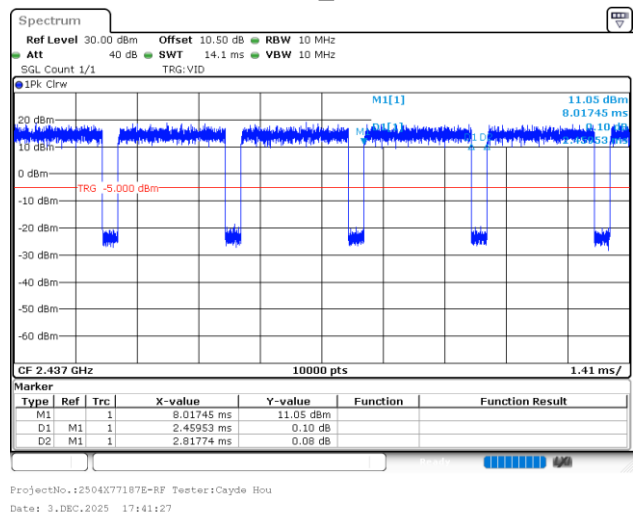
802.11g_2437MHz



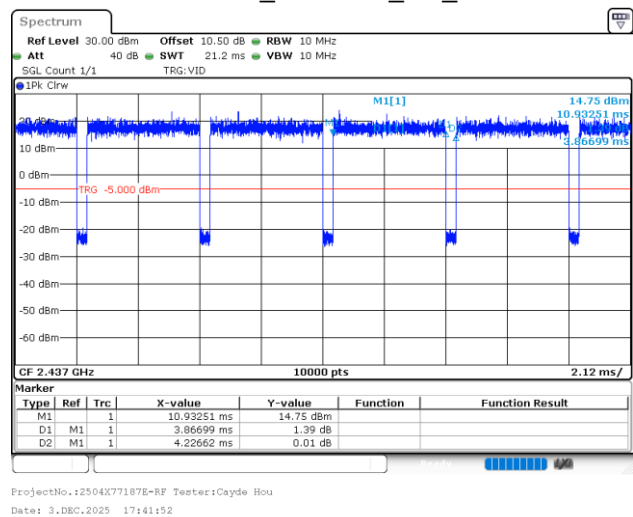
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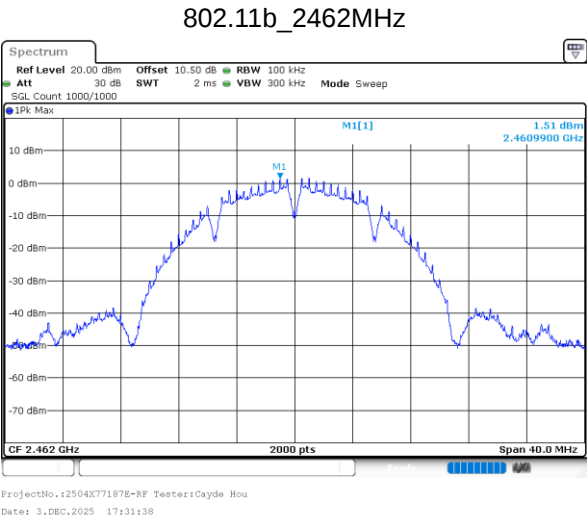
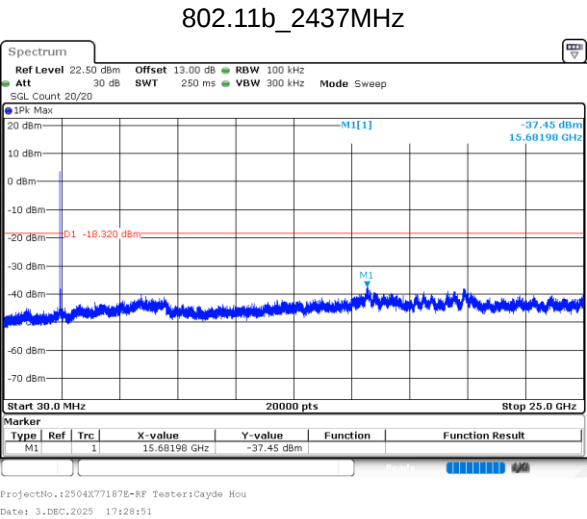
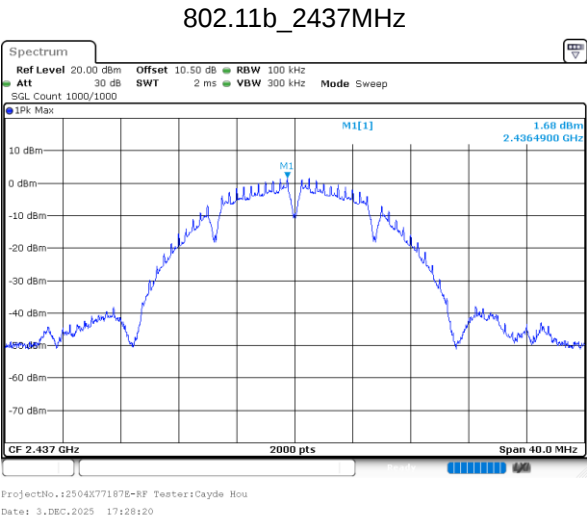
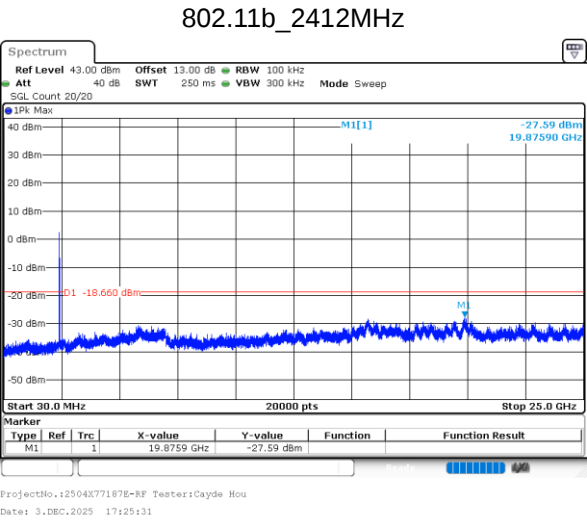
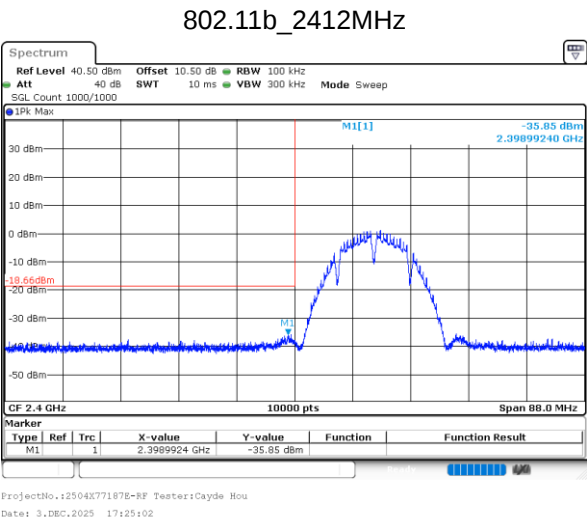
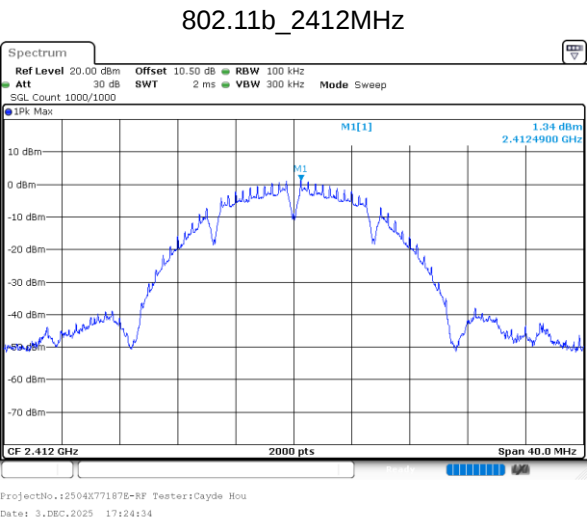
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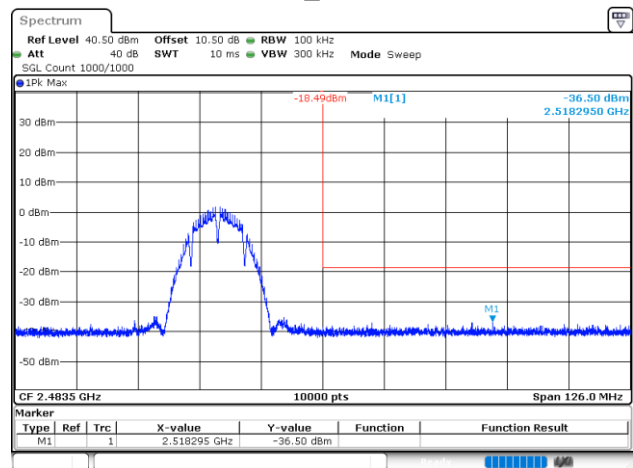
802.11ax20_2437MHz_RU_FULL



Conducted Spurious Emission

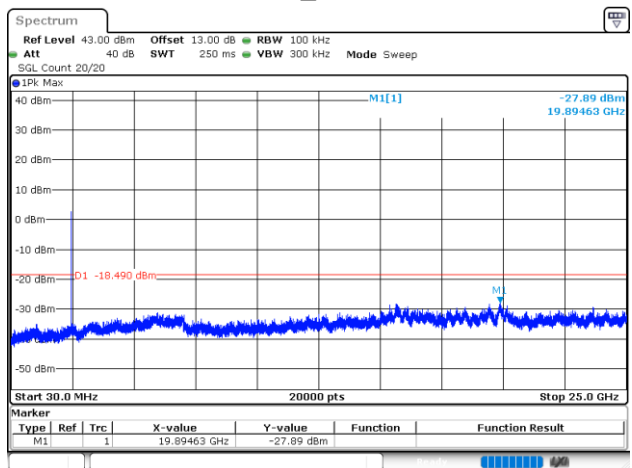


802.11b_2462MHz



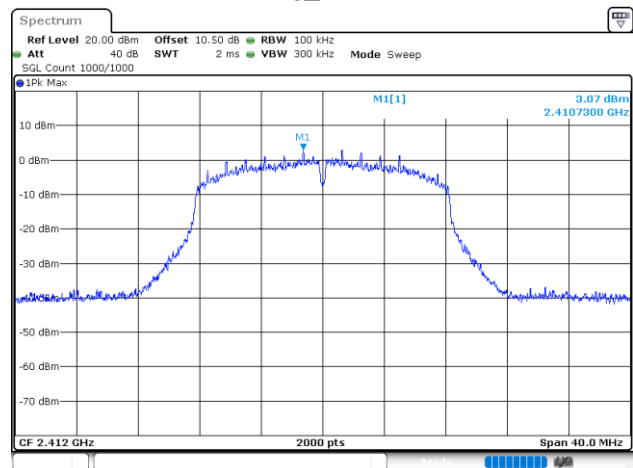
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802.11b_2462MHz



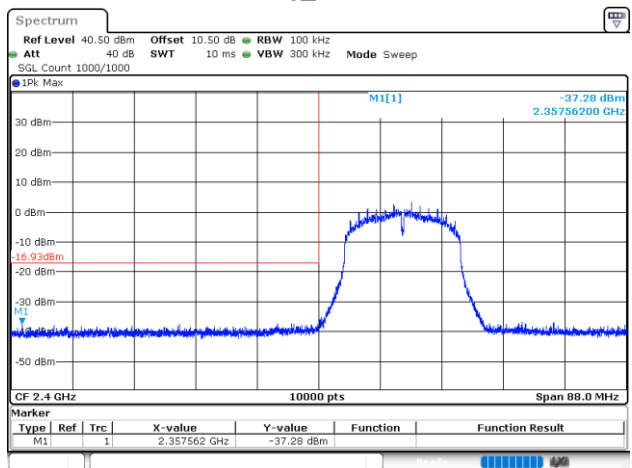
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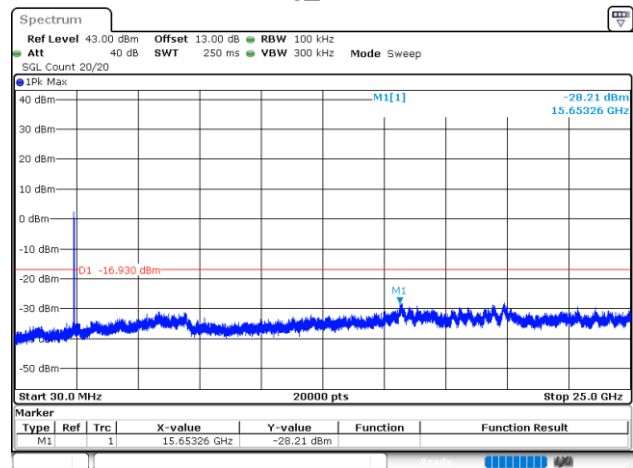
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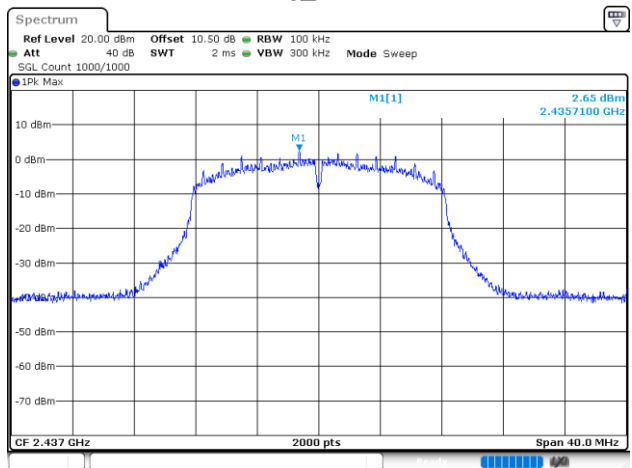
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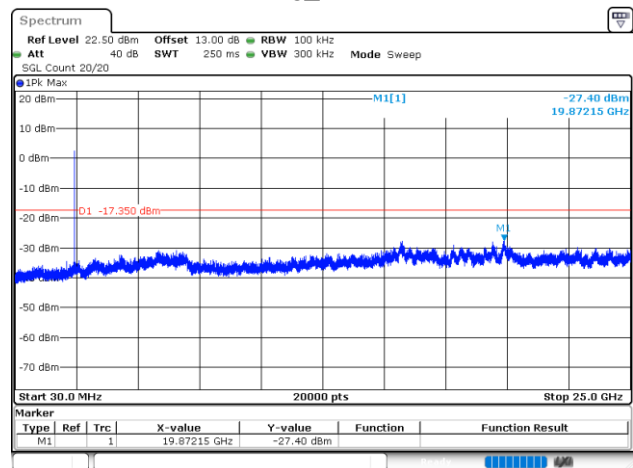
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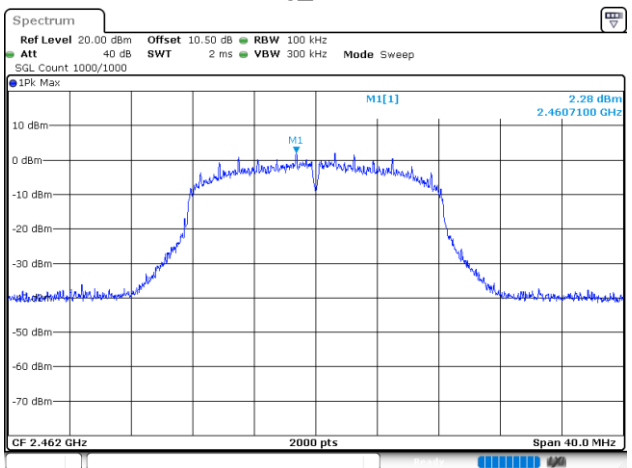
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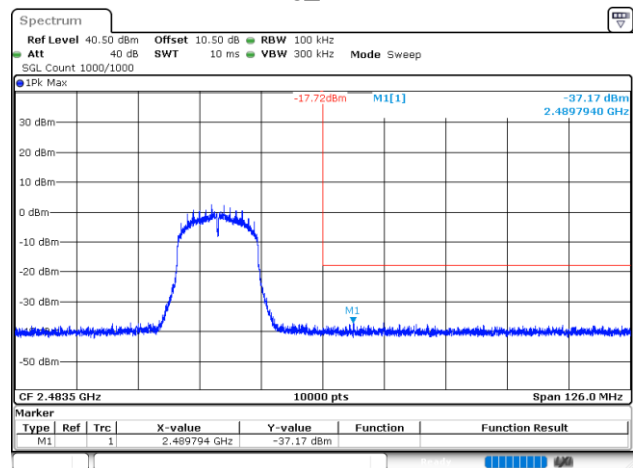
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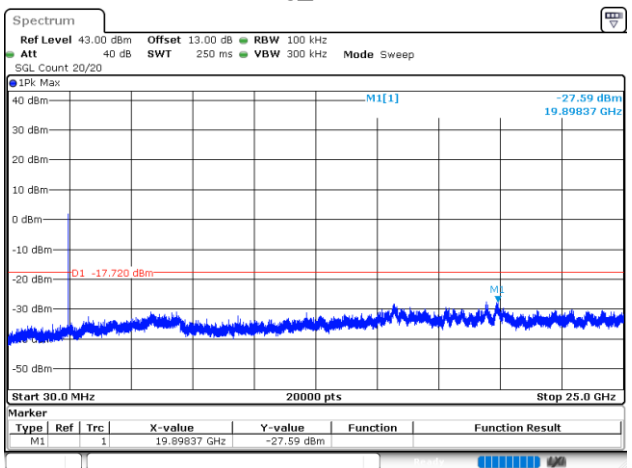
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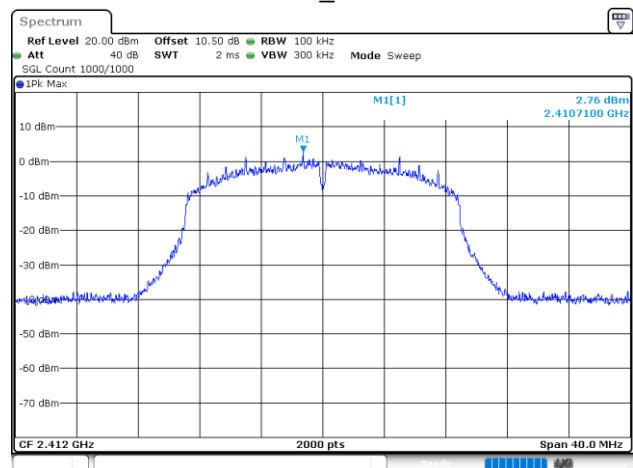
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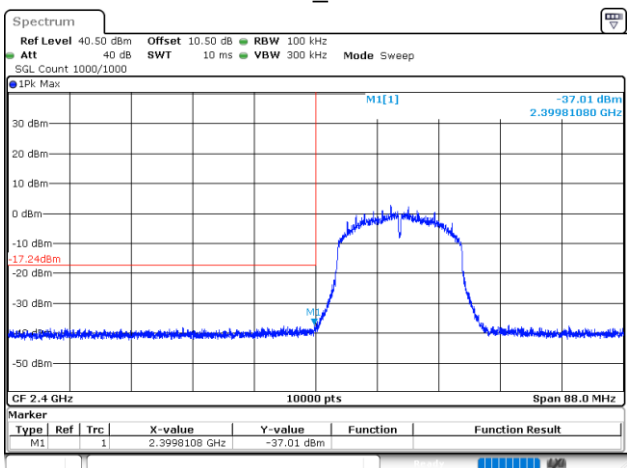
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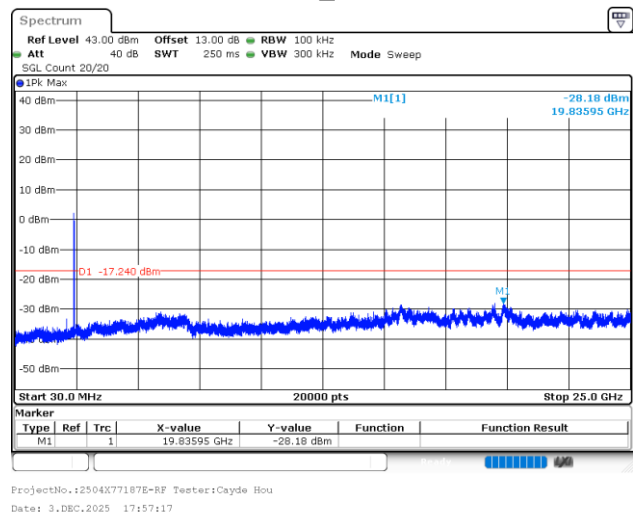
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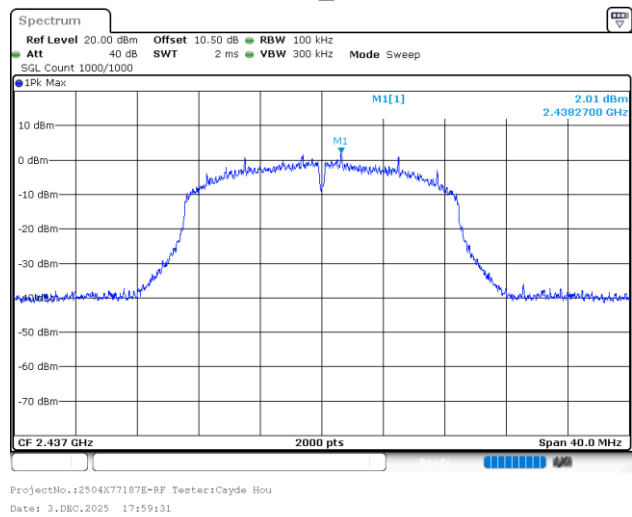


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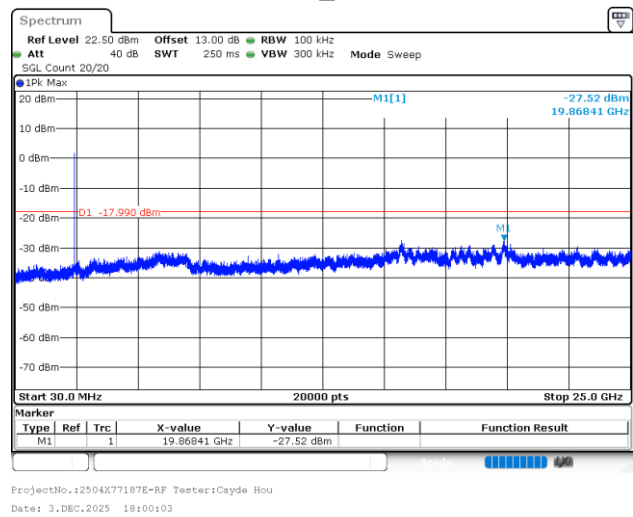
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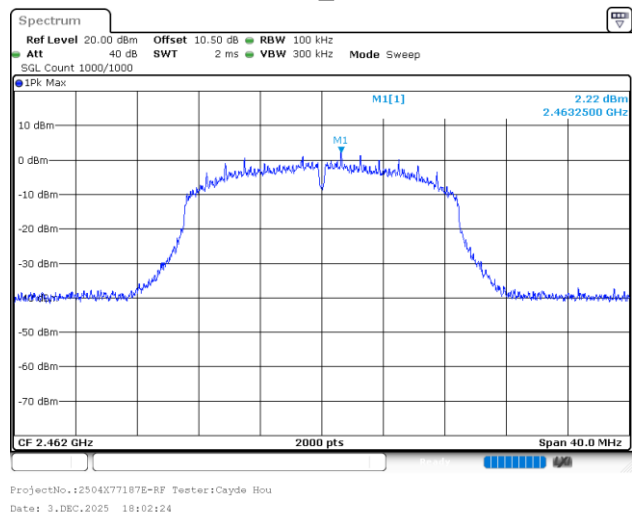
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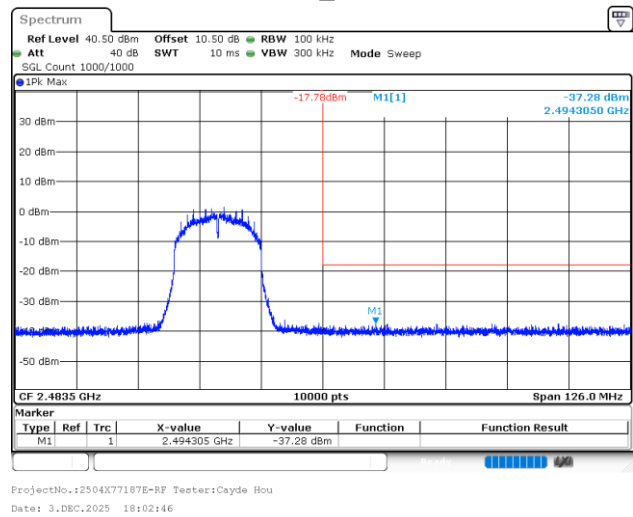
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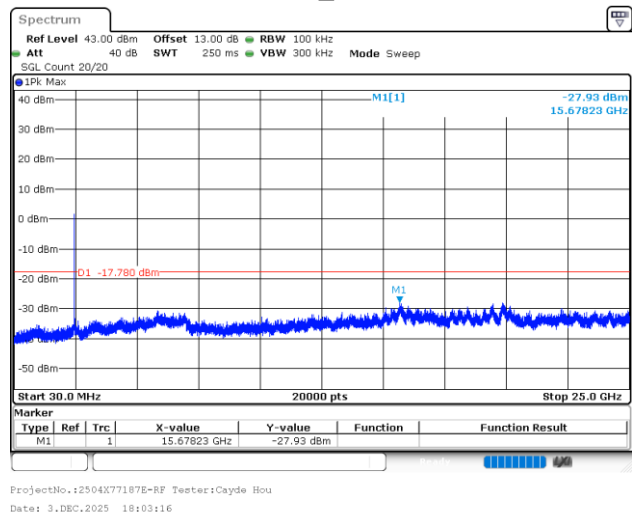
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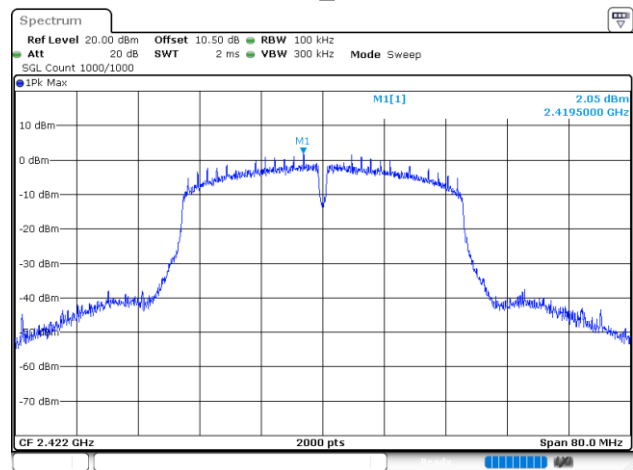
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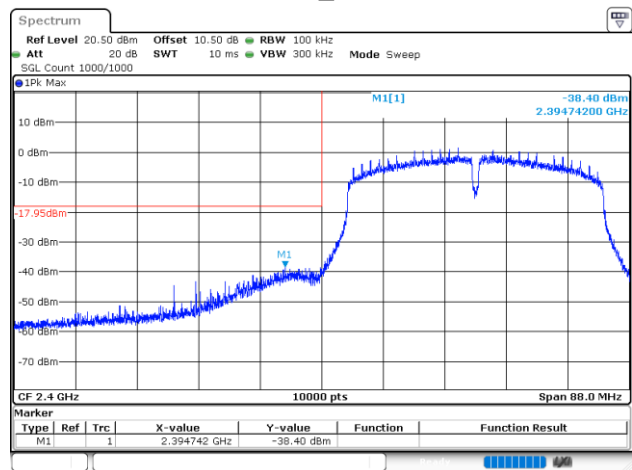


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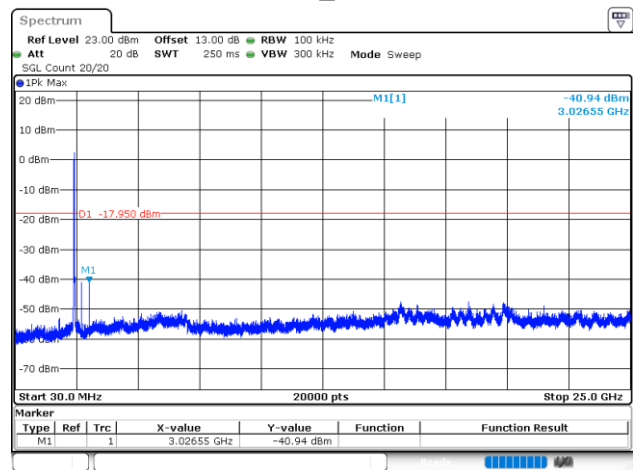
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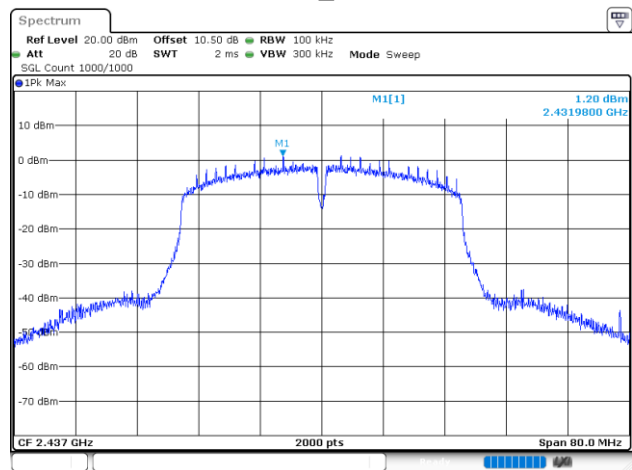
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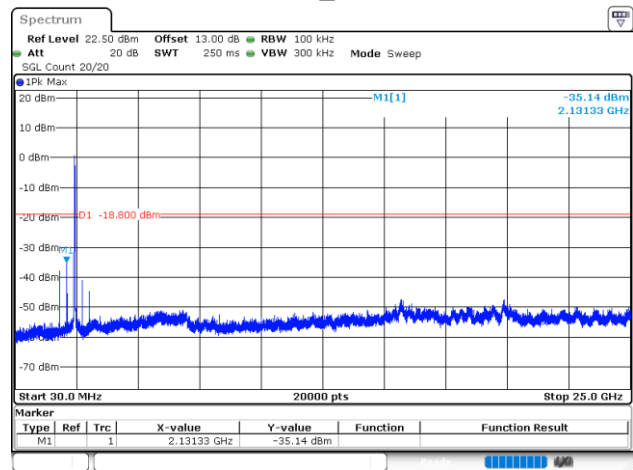
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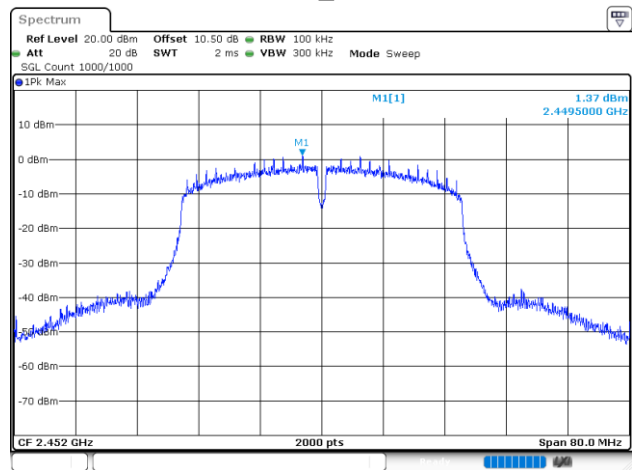
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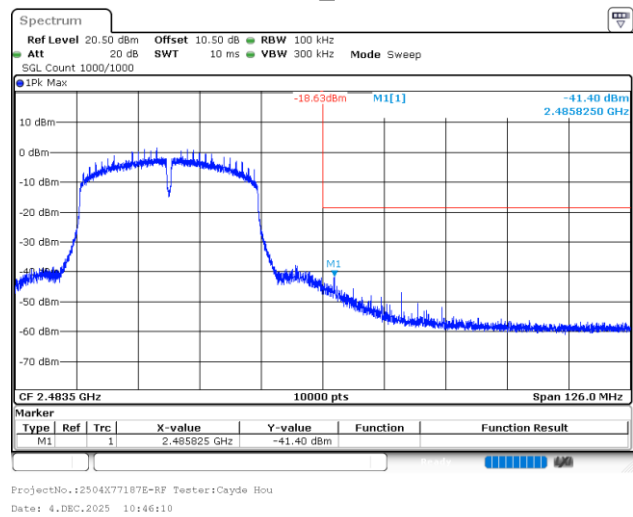
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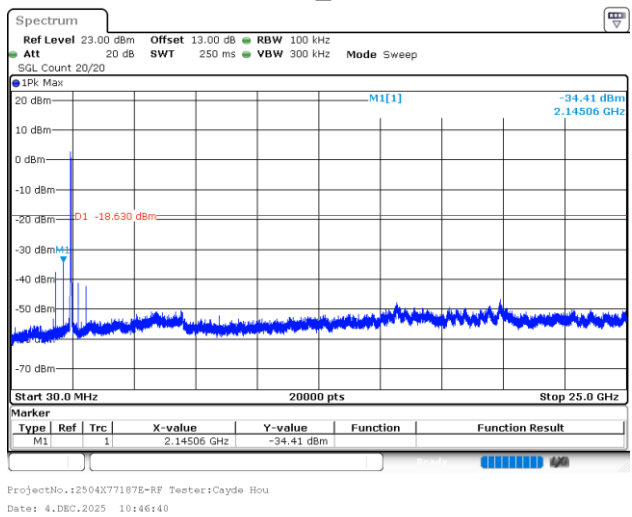


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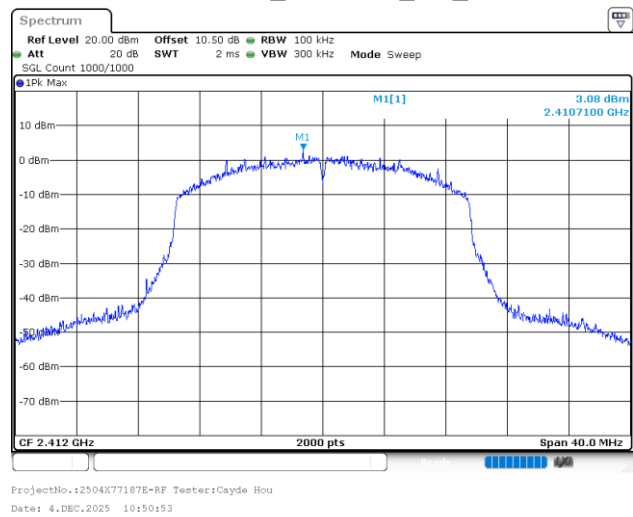
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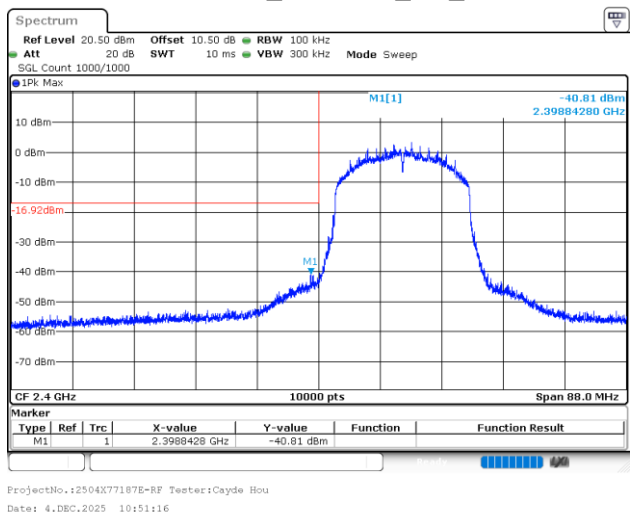
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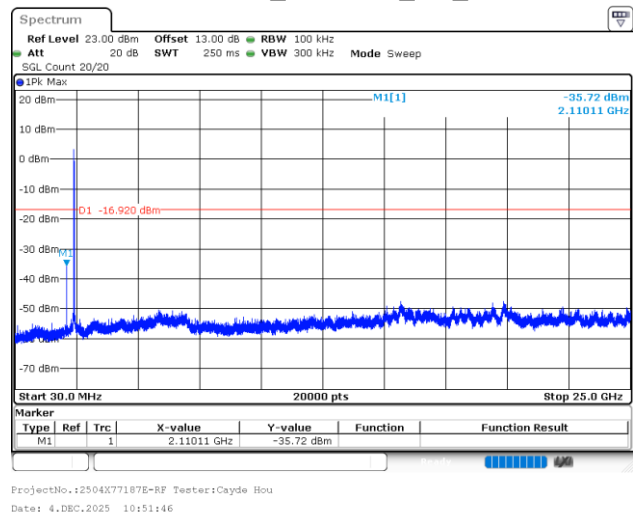
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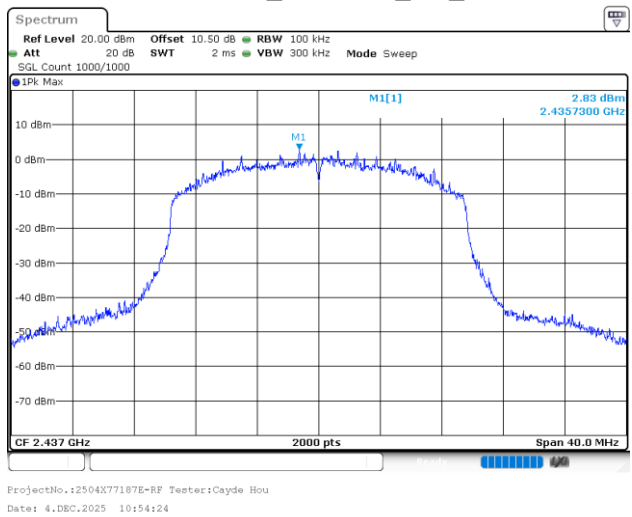
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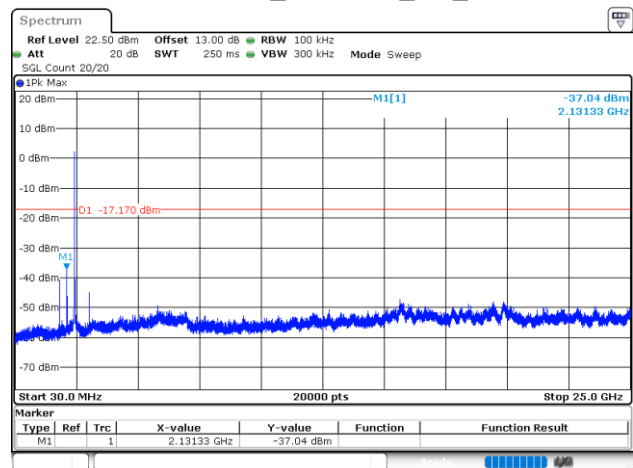
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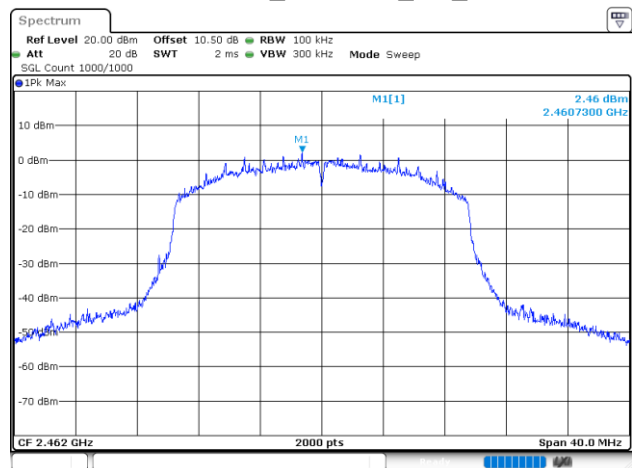


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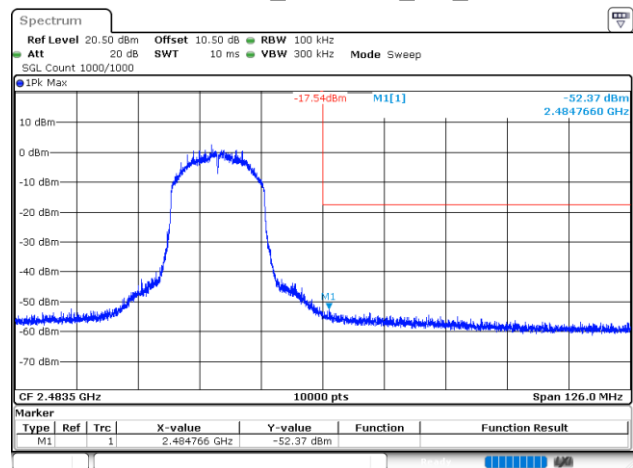
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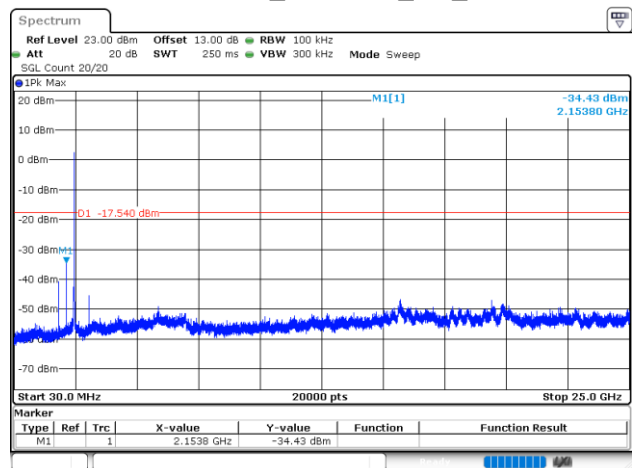
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Date: 4.DEC.2025 10:57:48

802.11ax20_2462MHz_RU_Full



ProjectNo.:2504X77187E-RF Tester:Cayde Hou
Date: 4.DEC.2025 10:58:18

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504X77187E-RF EUT External Photos and Attachment No.2 2504X77187E-RF EUT Internal Photos.

EXHIBIT B-TEST SETUP PHOTOGRAPHS

Please refer to the Attachment No.3 2504X77187E-RFA Test Photos.

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