

APPENDIX

Test Information:

Sample No.:	39R9-1	Test Date:	2025/09/30-2025/11/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

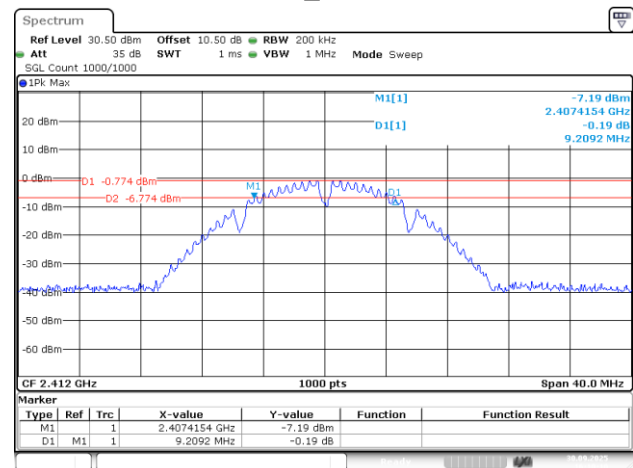
Environmental Conditions:

Temperature: (°C)	24-25.5	Relative Humidity: (%)	44-56	ATM Pressure: (kPa)	100.2-101.1
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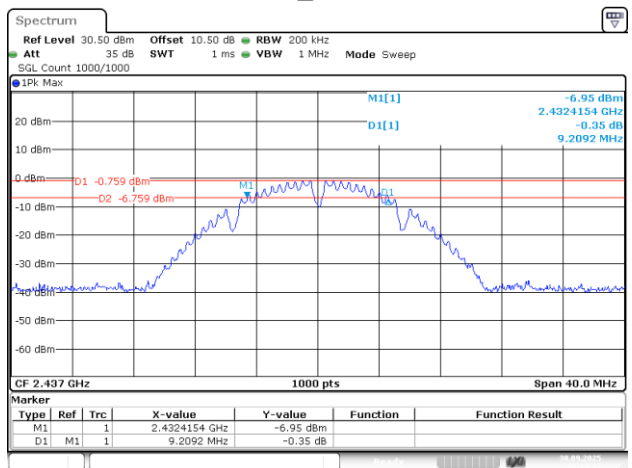
6dB Emission Bandwidth

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	9.209	≥0.5	Pass
	2437	9.209	≥0.5	Pass
	2462	9.209	≥0.5	Pass
802.11g	2412	16.937	≥0.5	Pass
	2437	16.697	≥0.5	Pass
	2462	16.737	≥0.5	Pass
802.11n20	2412	17.978	≥0.5	Pass
	2437	17.578	≥0.5	Pass
	2462	17.658	≥0.5	Pass
802.11n40	2422	34.675	≥0.5	Pass
	2437	34.675	≥0.5	Pass
	2452	34.915	≥0.5	Pass
802.11ax20_RU_Full	2412	18.819	≥0.5	Pass
	2437	18.819	≥0.5	Pass
	2462	18.859	≥0.5	Pass
802.11ax40_RU_Full	2422	35.235	≥0.5	Pass
	2437	36.196	≥0.5	Pass
	2452	35.315	≥0.5	Pass

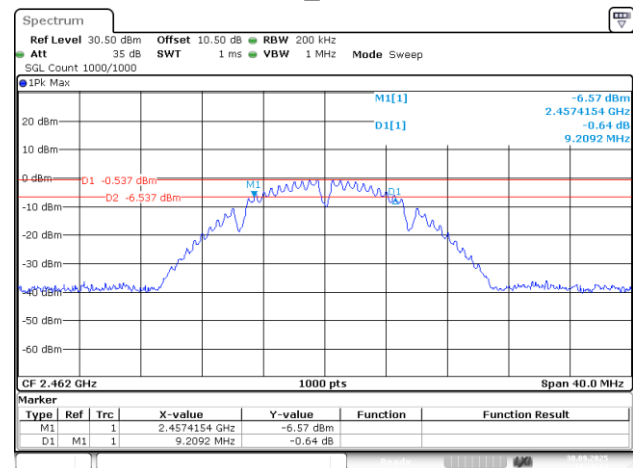
802.11b_2412MHz



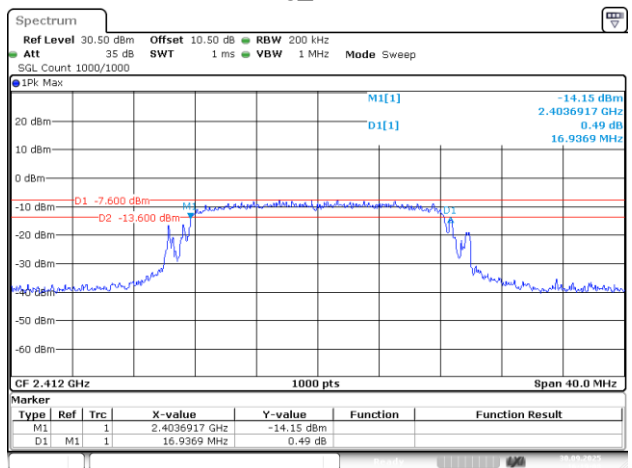
802.11b_2437MHz



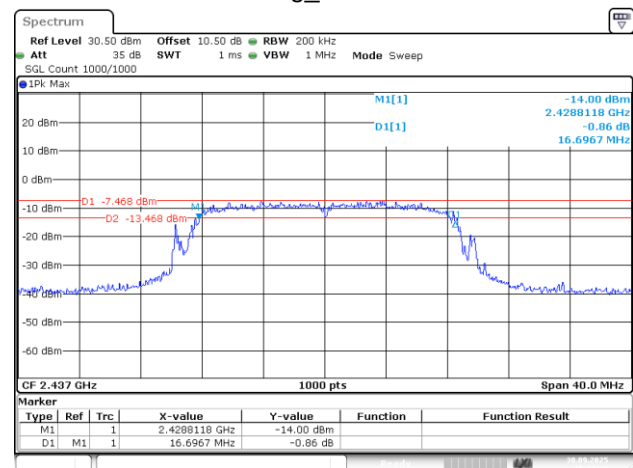
802.11b_2462MHz



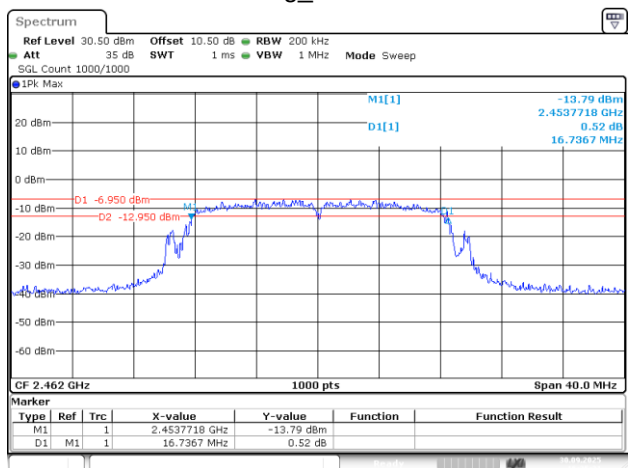
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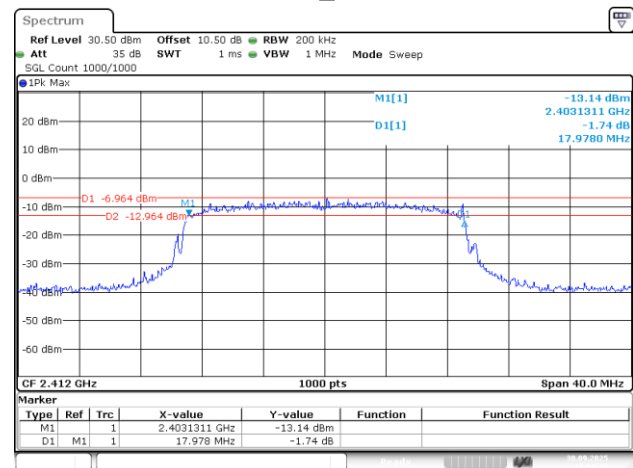
802.11g_2437MHz



802.11g_2462MHz

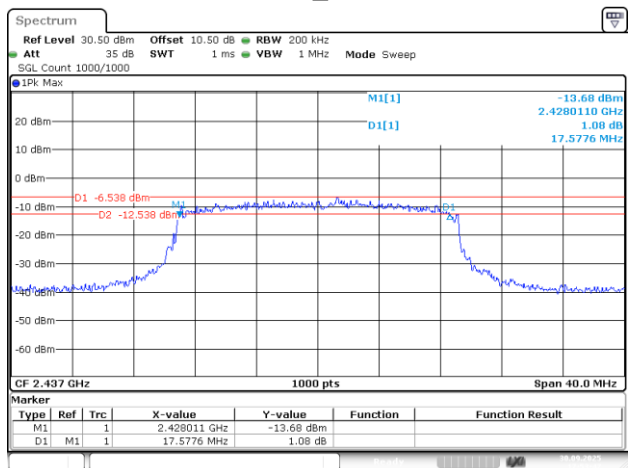


802.11n20_2412MHz



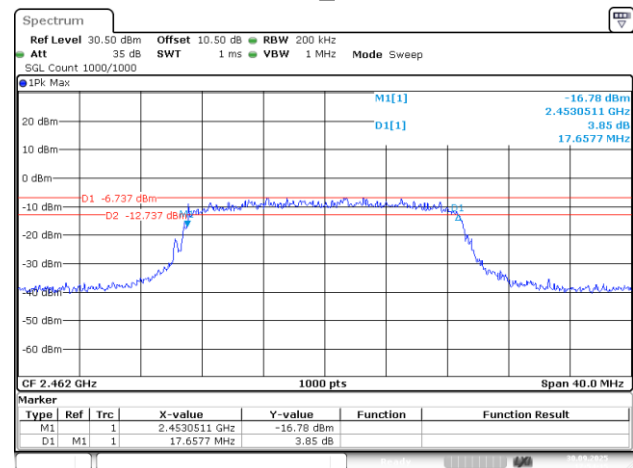
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Date: 30.SEP.2025 17:51:51

802.11n20_2437MHz



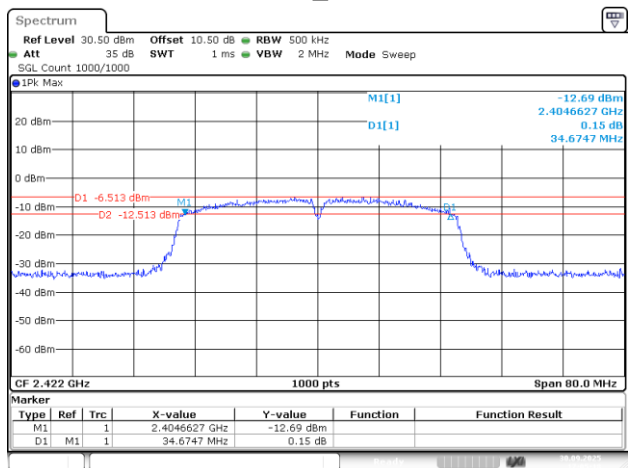
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802.11n20_2462MHz



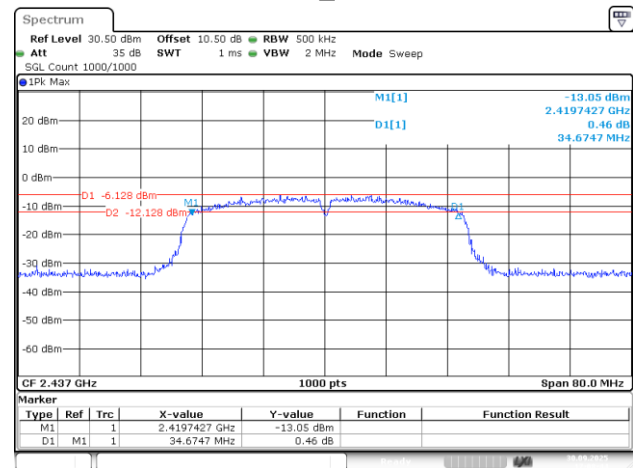
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802.11n40_2422MHz



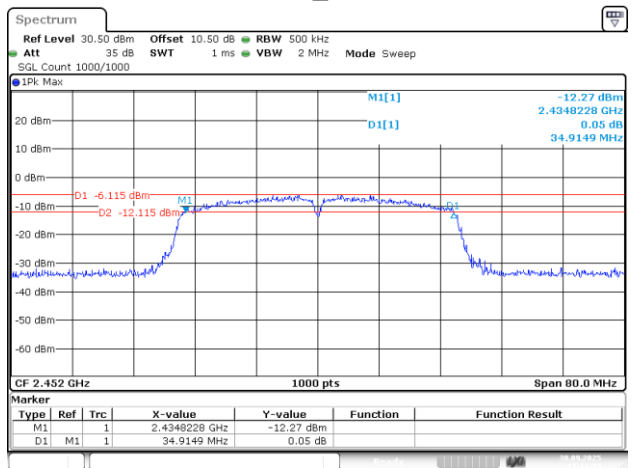
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802.11n40_2437MHz



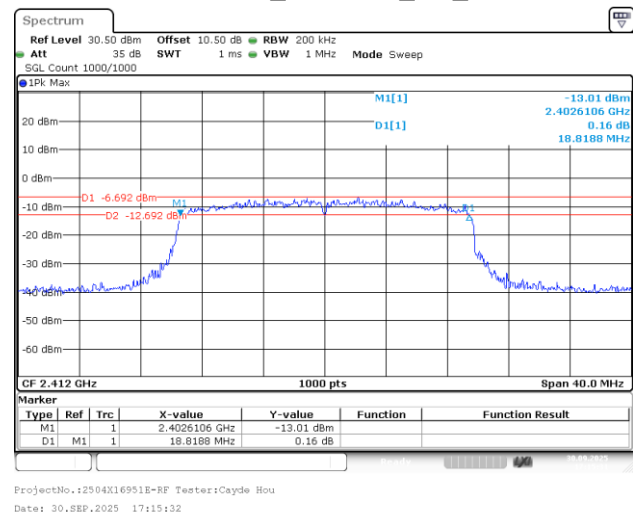
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Date: 30.SEP.2025 17:08:44

802.11n40_2452MHz

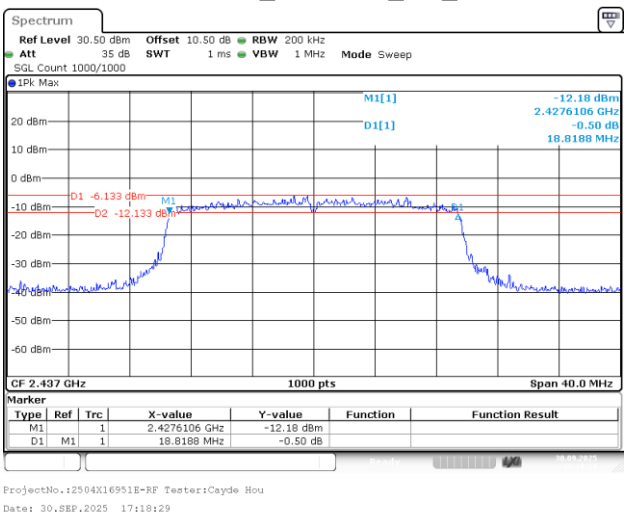


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Date: 30.SEP.2025 17:11:55

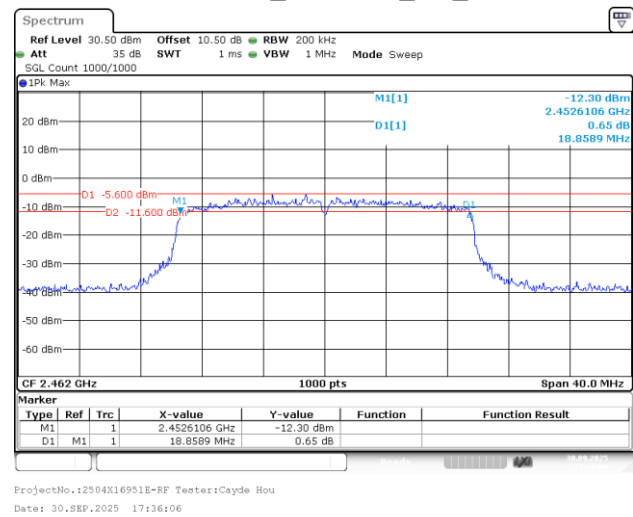
802.11ax20_2412MHz_RU_Full



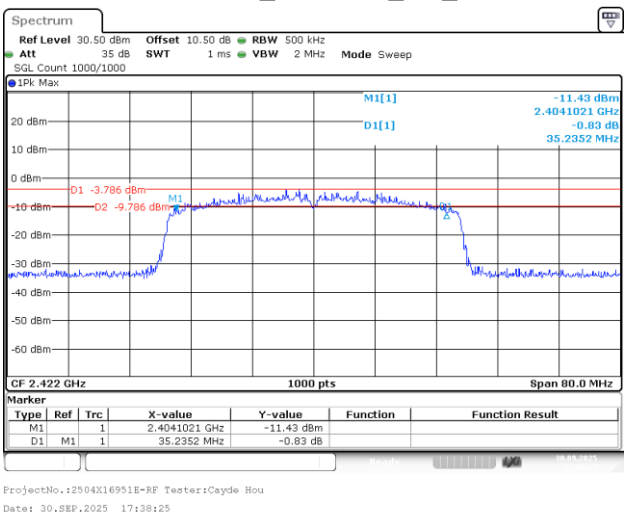
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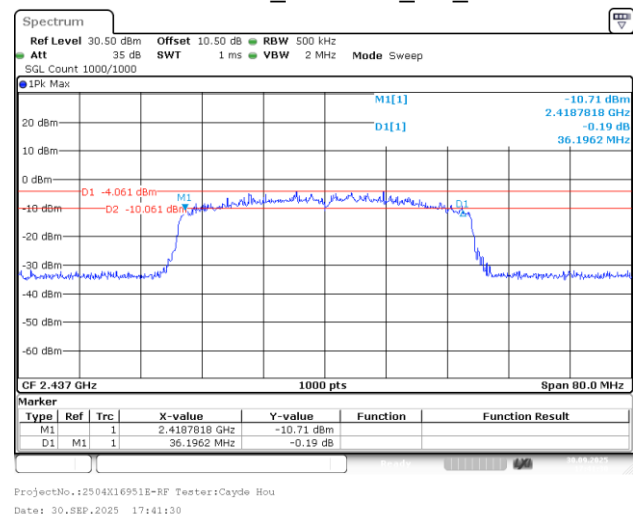
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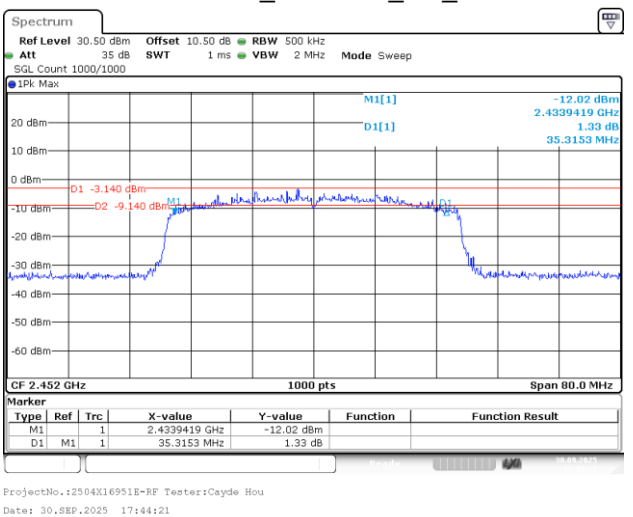
802.11ax40_2422MHz_RU_Full



802.11ax40_2437MHz_RU_Full



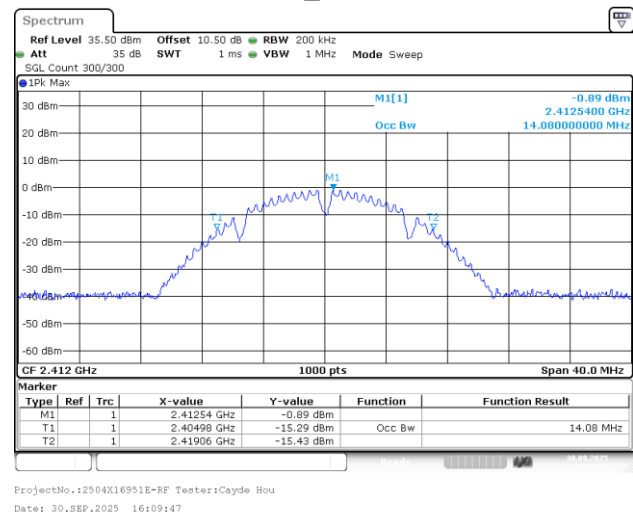
802.11ax40_2452MHz_RU_Full



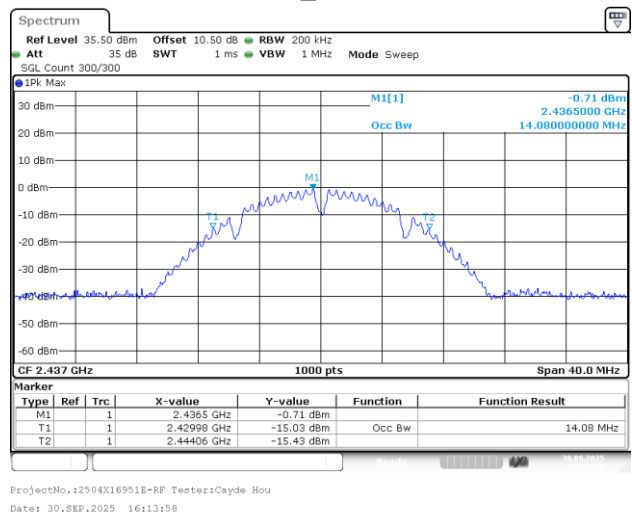
99% Occupied Bandwidth

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	14.080
	2437	14.080
	2462	14.120
802.11g	2412	17.120
	2437	17.040
	2462	17.160
802.11n20	2412	18.280
	2437	18.200
	2462	17.920
802.11n40	2422	36.320
	2437	36.240
	2452	36.240
802.11ax20_RU_Full	2412	18.880
	2437	18.920
	2462	18.920
802.11ax40_RU_Full	2422	37.600
	2437	37.600
	2452	37.600

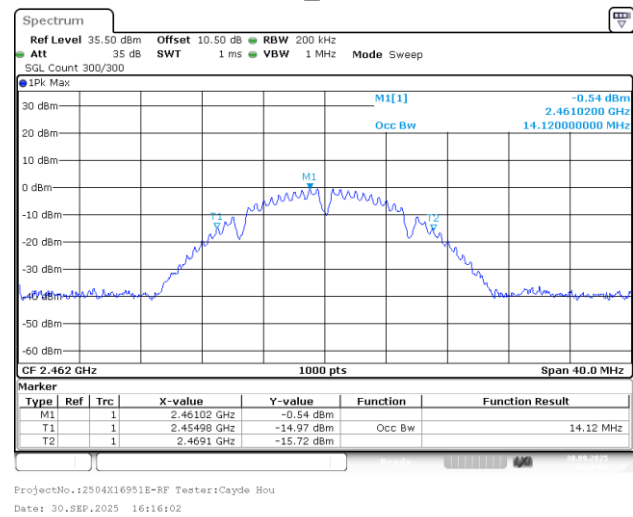
802.11b_2412MHz



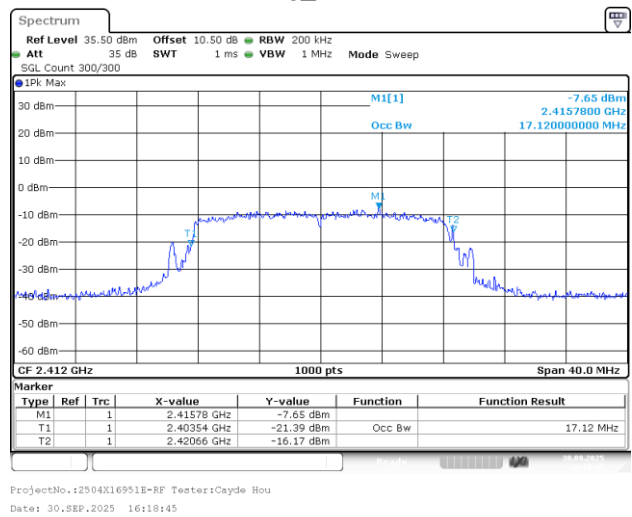
802.11b_2437MHz



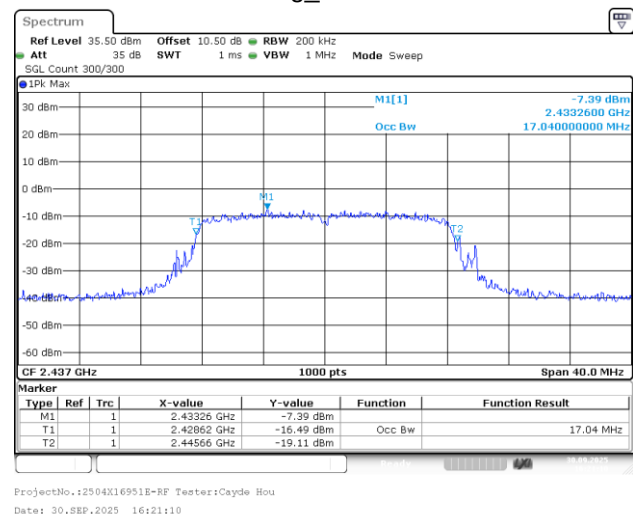
802.11b_2462MHz



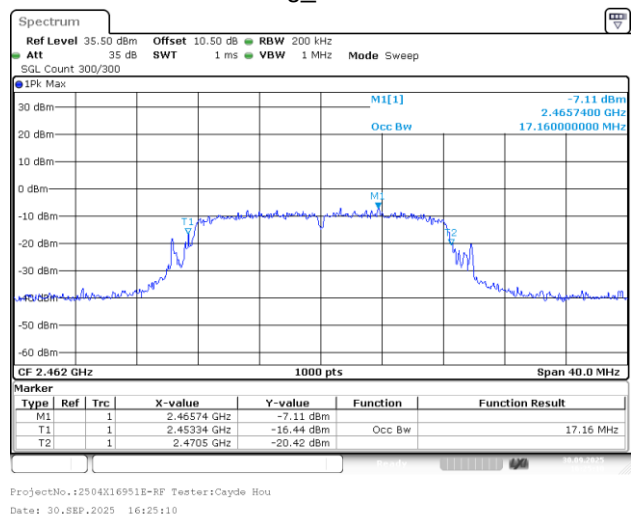
802.11g_2412MHz



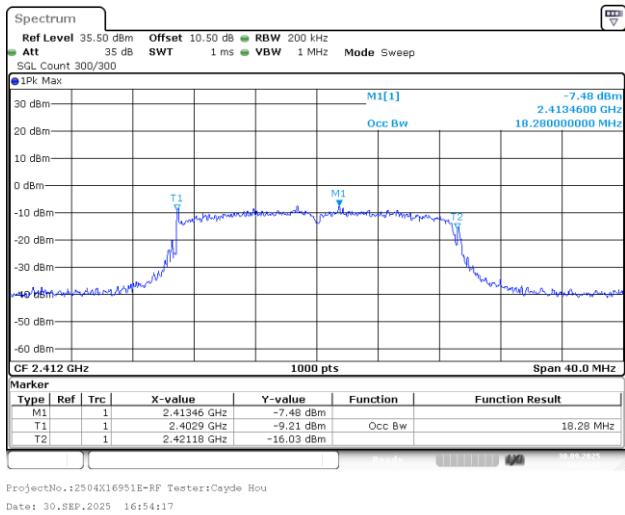
802.11g_2437MHz



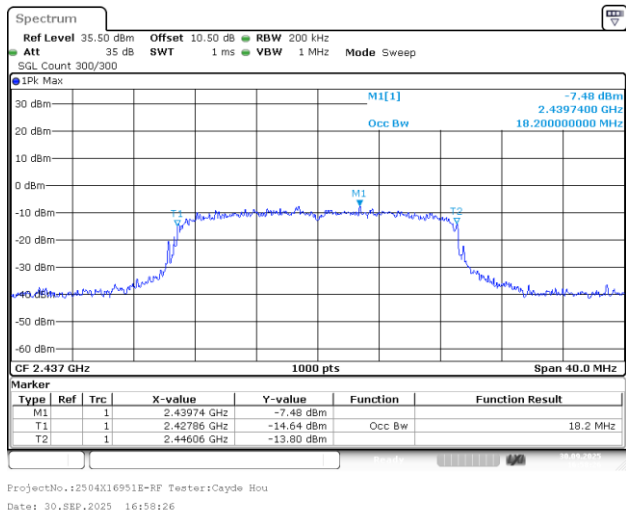
802.11g_2462MHz



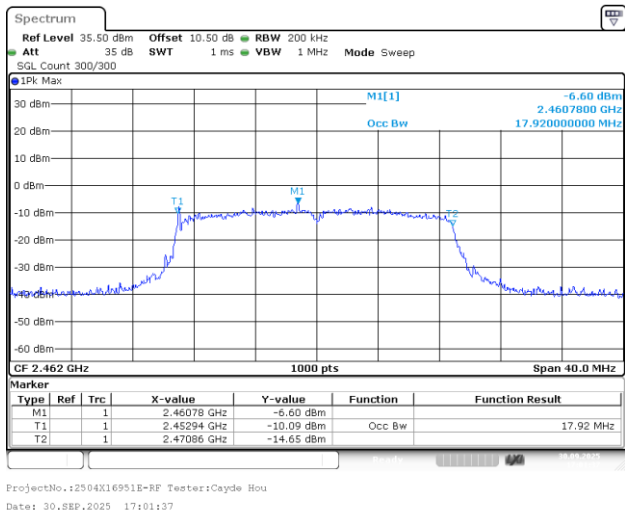
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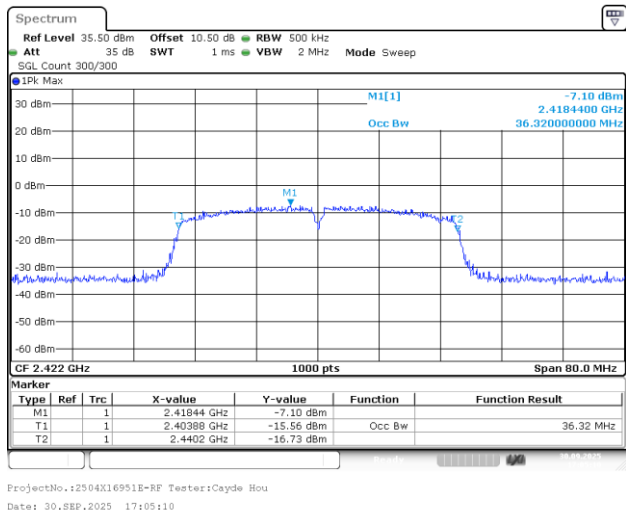
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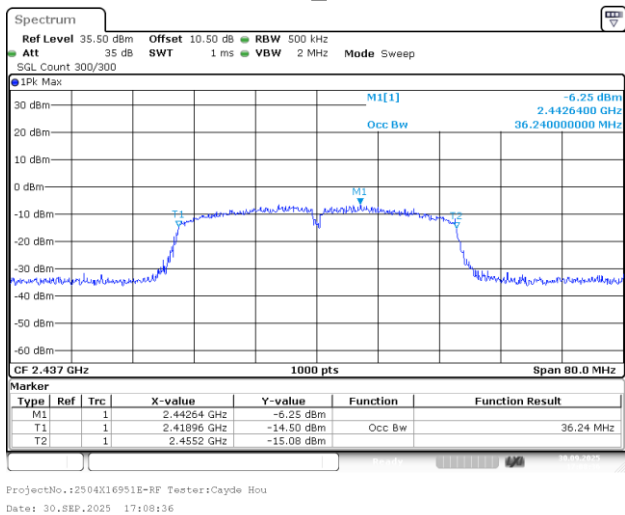
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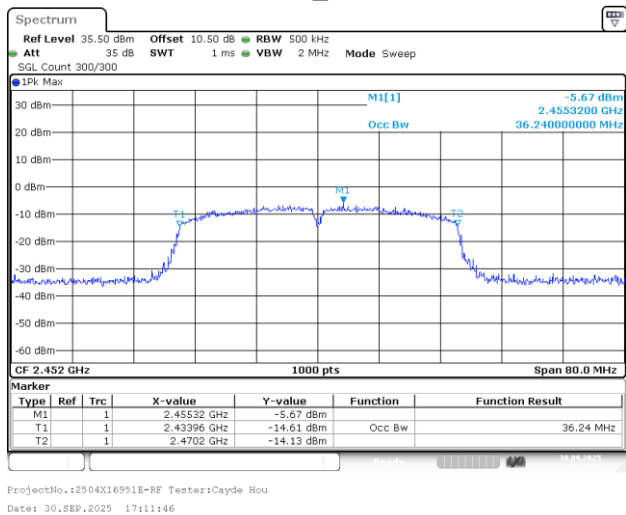
802.11n40_2422MHz



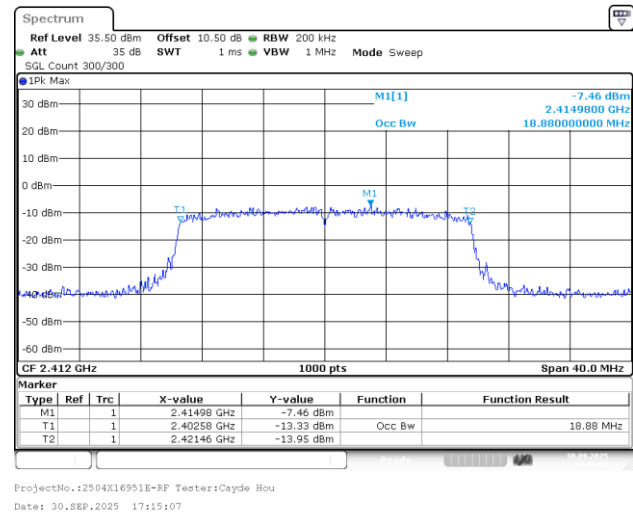
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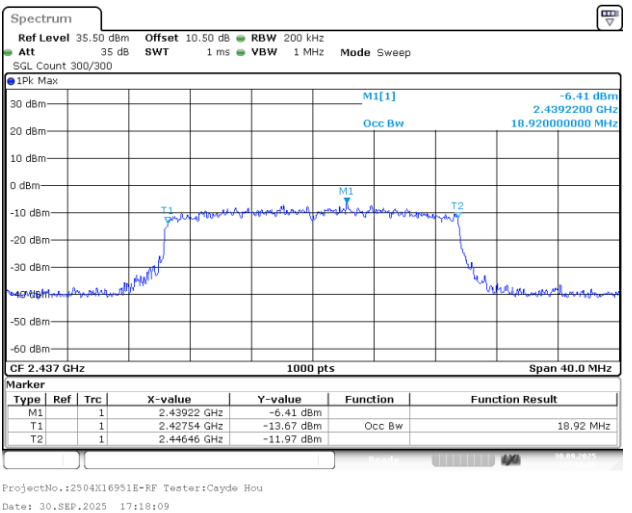
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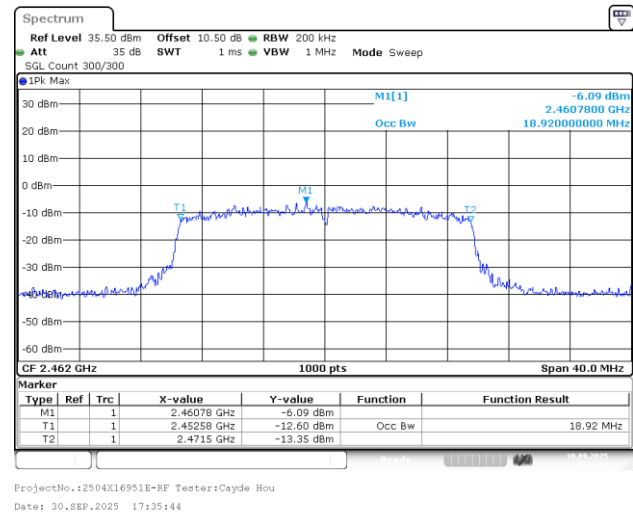
802.11ax20_2412MHz_RU_Full



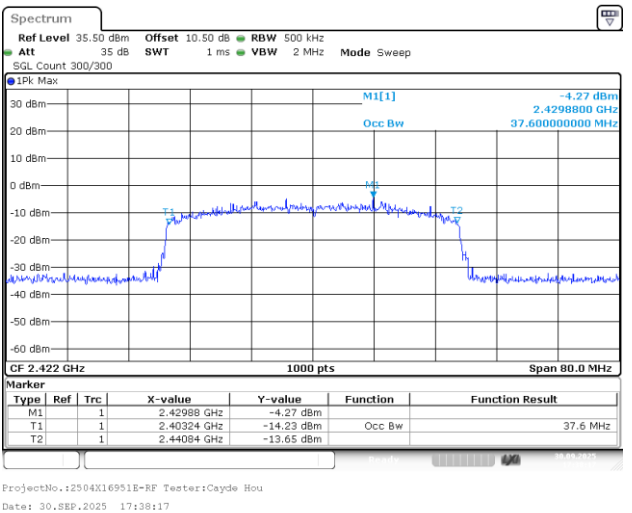
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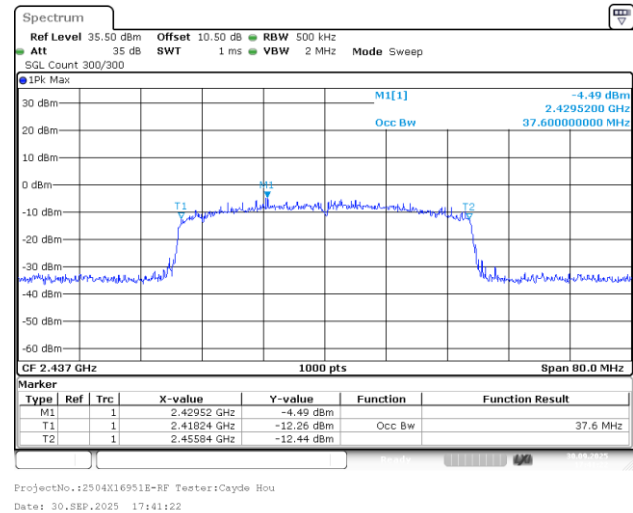
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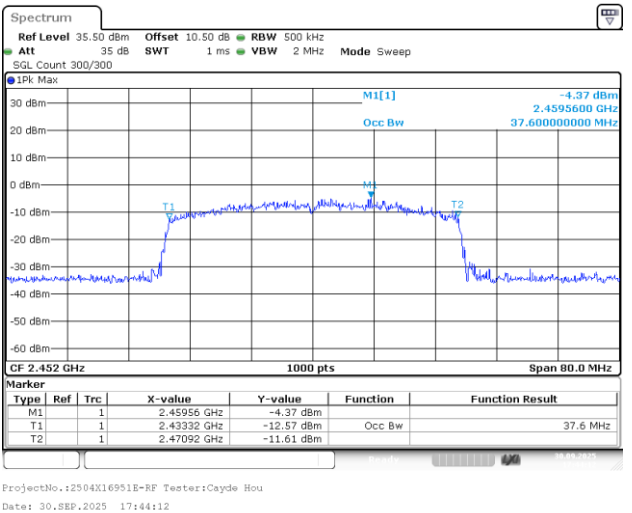
802.11ax40_2422MHz_RU_Full



802.11ax40_2437MHz_RU_Full



802.11ax40_2452MHz_RU_Full



Maximum Conducted Output Power

Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	9.92	7.43	30	Pass
	2437	10.17	7.71	30	Pass
	2462	10.36	7.87	30	Pass
802.11g	2412	12.30	3.15	30	Pass
	2437	12.49	3.34	30	Pass
	2462	12.71	3.58	30	Pass
802.11n20	2412	12.14	3.10	30	Pass
	2437	12.28	3.28	30	Pass
	2462	12.57	3.52	30	Pass
802.11n40	2422	13.78	3.04	30	Pass
	2437	13.91	3.22	30	Pass
	2452	14.05	3.39	30	Pass
802.11ax20_RU_Full	2412	12.96	2.99	30	Pass
	2437	13.14	3.17	30	Pass
	2462	13.41	3.42	30	Pass
802.11ax40_RU_Full	2422	12.87	3.07	30	Pass
	2437	13.24	3.29	30	Pass
	2452	13.28	3.46	30	Pass

Note 1: The antenna gain is 3.7dBi[#].

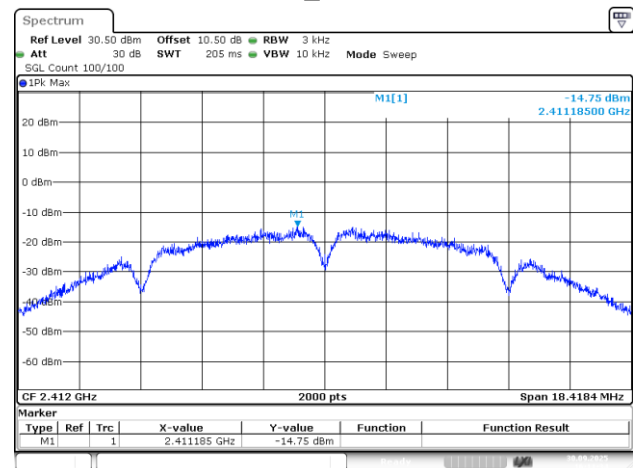
Note 2: EIRP = Conducted Output Power + Antenna Gain

Note 3: The maximum EIRP is 14.05dBm+3.7dBi=17.75dBm<36dBm, so it's compliance with ISED EIRP limit.

Power Spectral Density

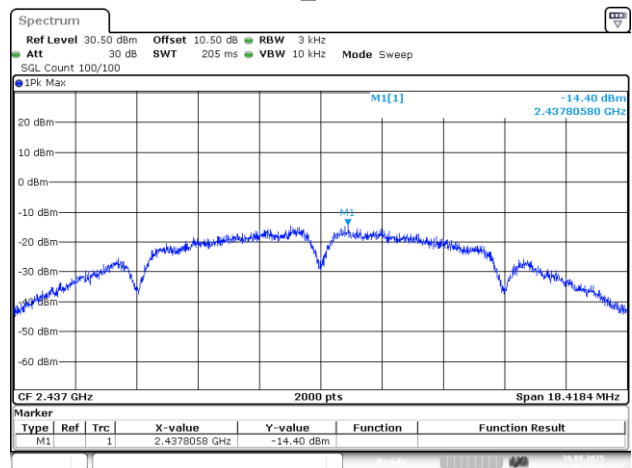
Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-14.75	8	Pass
	2437	-14.40	8	Pass
	2462	-14.89	8	Pass
802.11g	2412	-22.00	8	Pass
	2437	-21.92	8	Pass
	2462	-21.59	8	Pass
802.11n20	2412	-22.04	8	Pass
	2437	-20.66	8	Pass
	2462	-20.70	8	Pass
802.11n40	2422	-23.87	8	Pass
	2437	-24.68	8	Pass
	2452	-23.90	8	Pass
802.11ax20_RU_Full	2412	-22.56	8	Pass
	2437	-22.33	8	Pass
	2462	-22.77	8	Pass
802.11ax40_RU_Full	2422	-24.93	8	Pass
	2437	-25.35	8	Pass
	2452	-22.93	8	Pass

802.11b_2412MHz



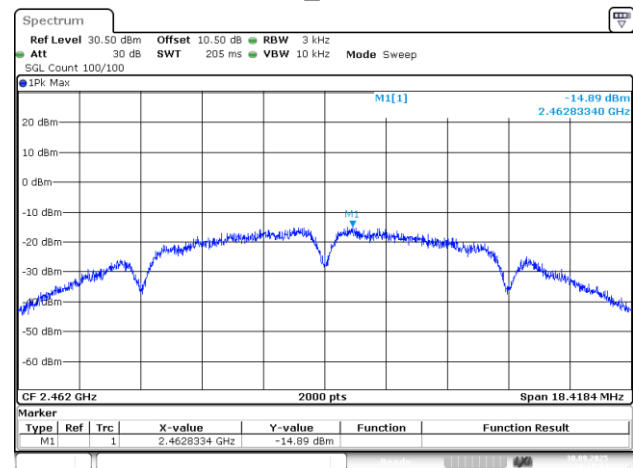
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Date: 30.SEP.2025 16:11:34

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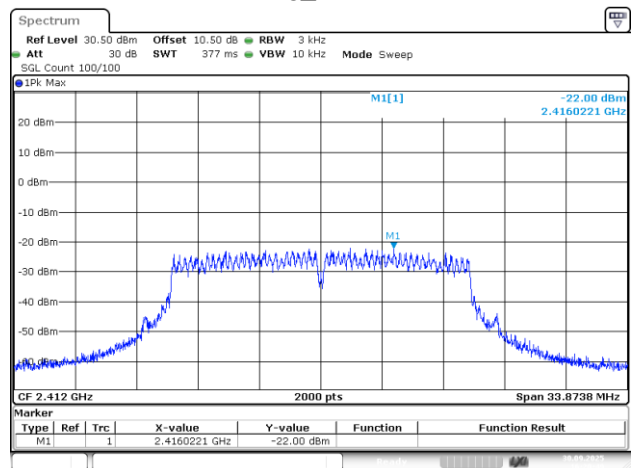
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802.11b_2462MHz



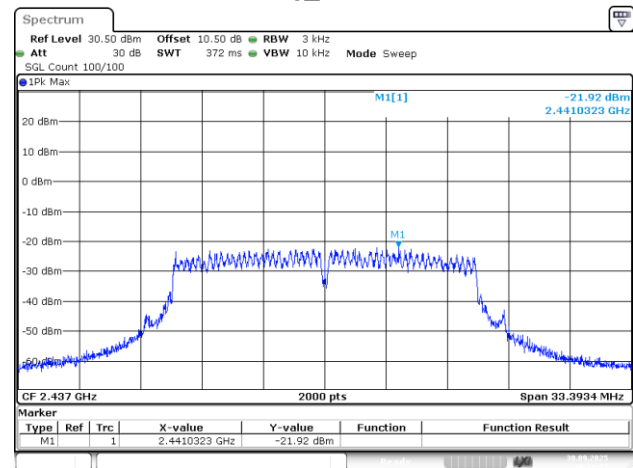
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Date: 30.SEP.2025 16:17:54

802.11g_2412MHz



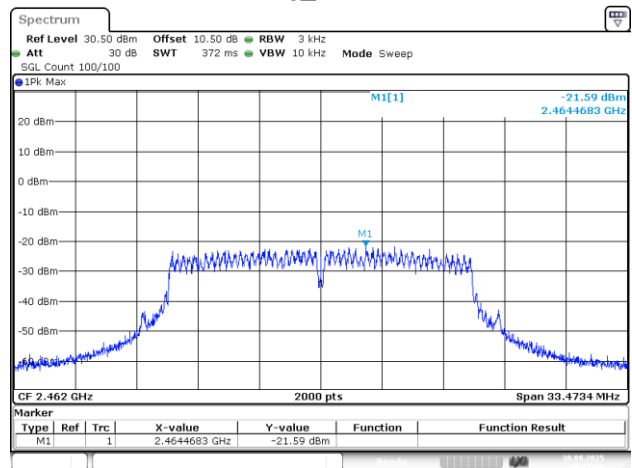
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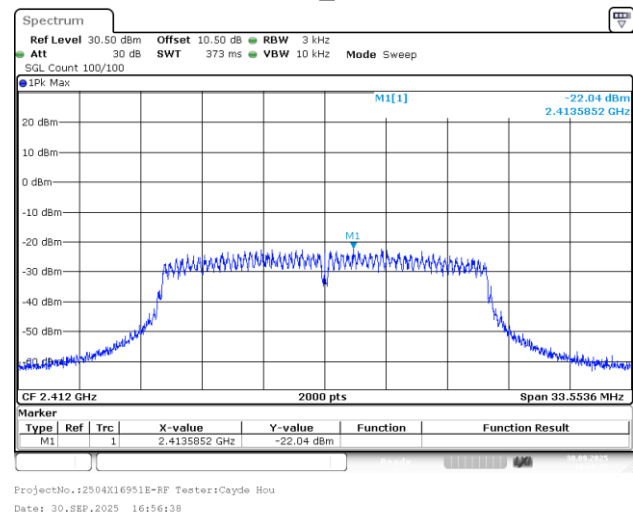
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802.11g_2462MHz

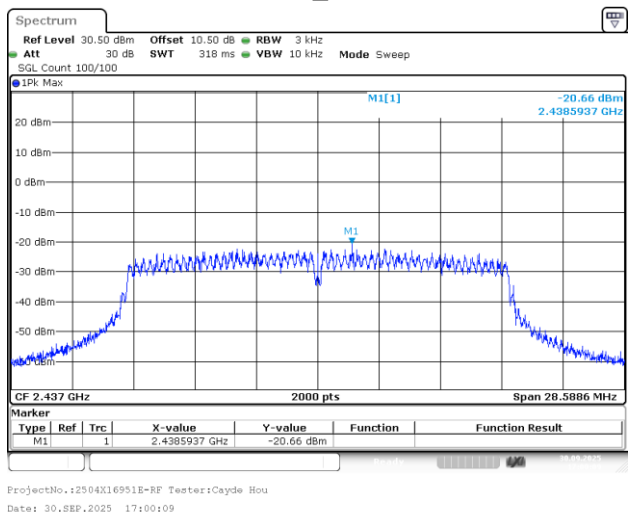


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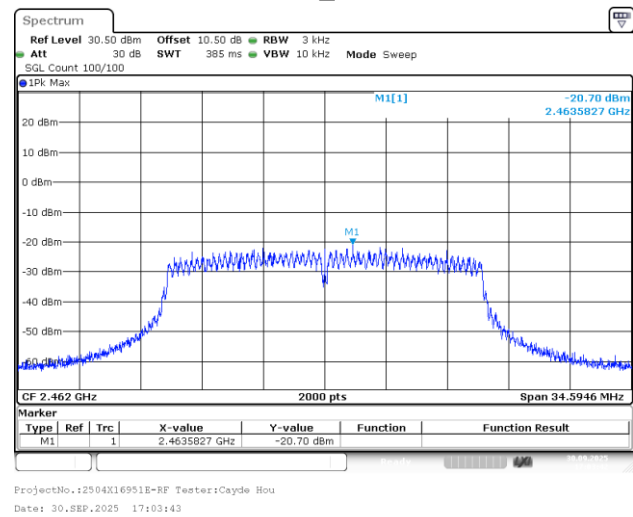
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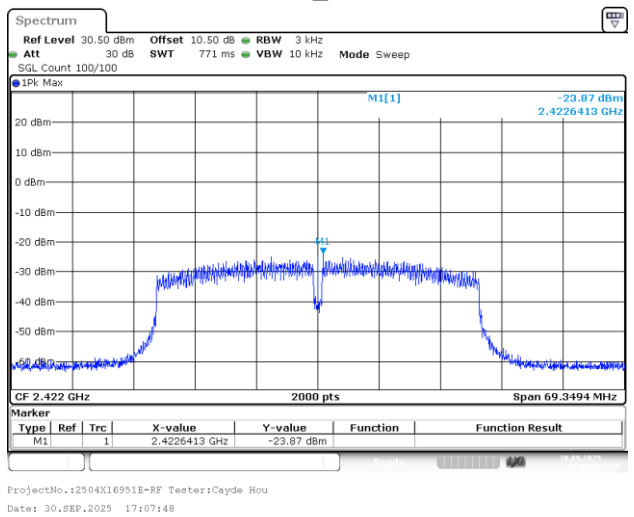
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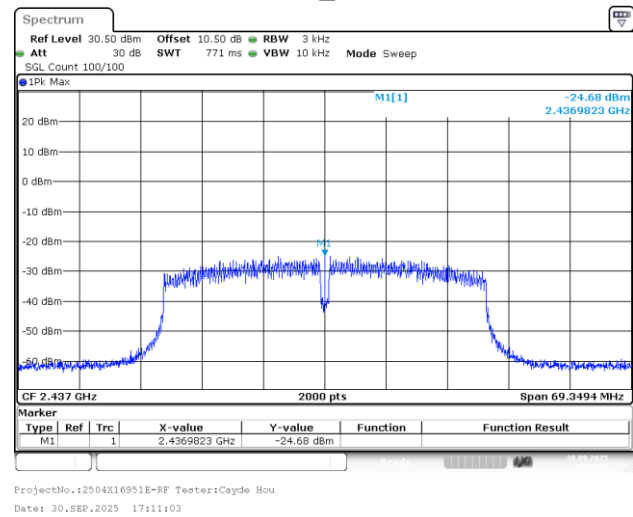
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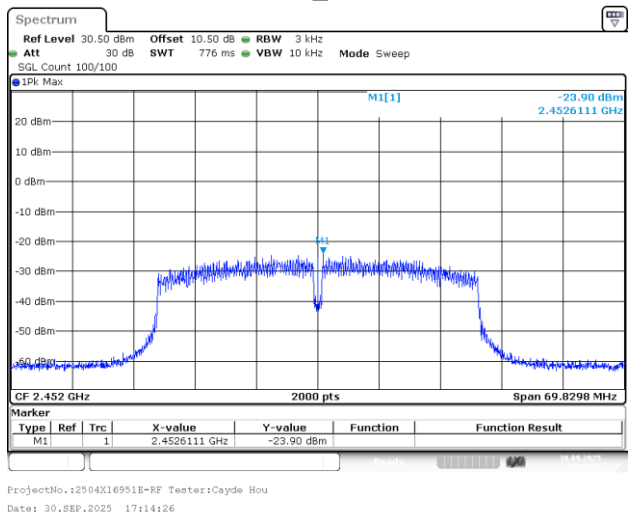
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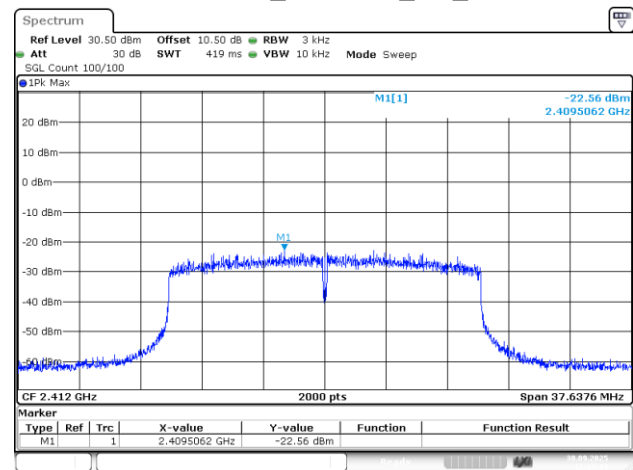
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802.11n40_2452MHz

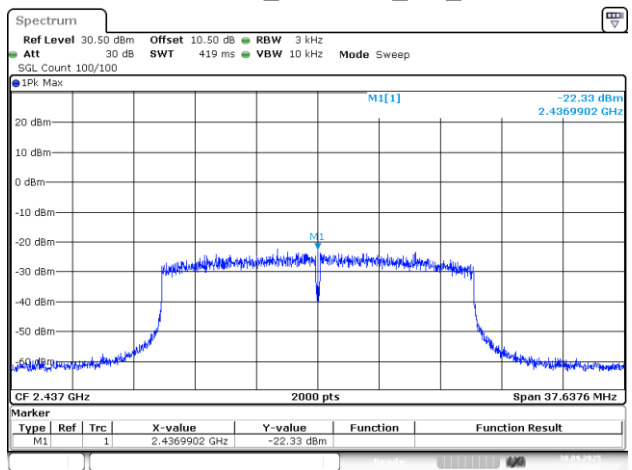


802.11ax20_2412MHz_RU_Full



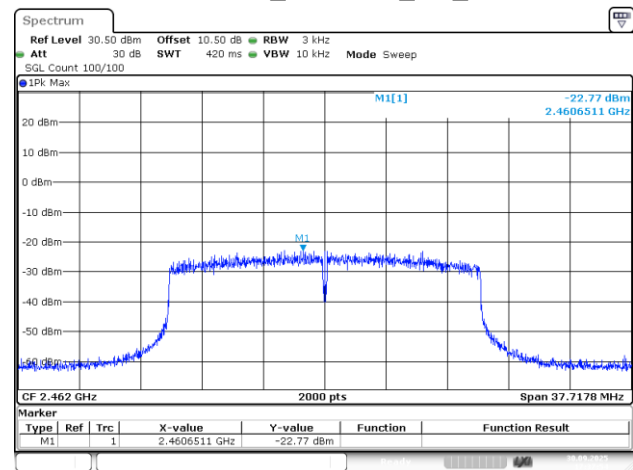
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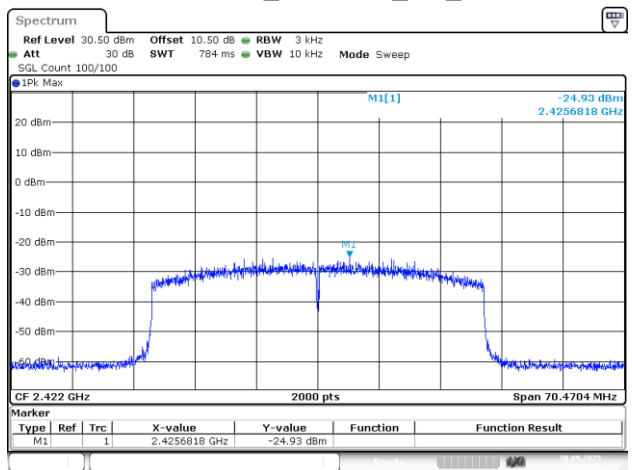
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Date: 30.SEP.2025 17:20:07

802.11ax20_2462MHz_RU_Full



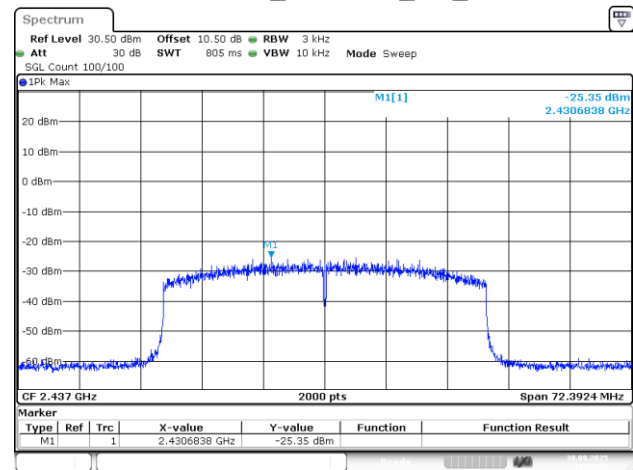
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Date: 30.SEP.2025 17:37:54

802.11ax40_2422MHz_RU_Full



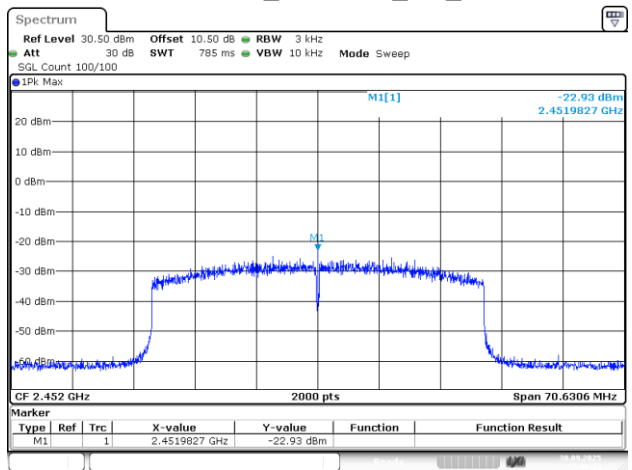
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802.11ax40_2437MHz_RU_Full



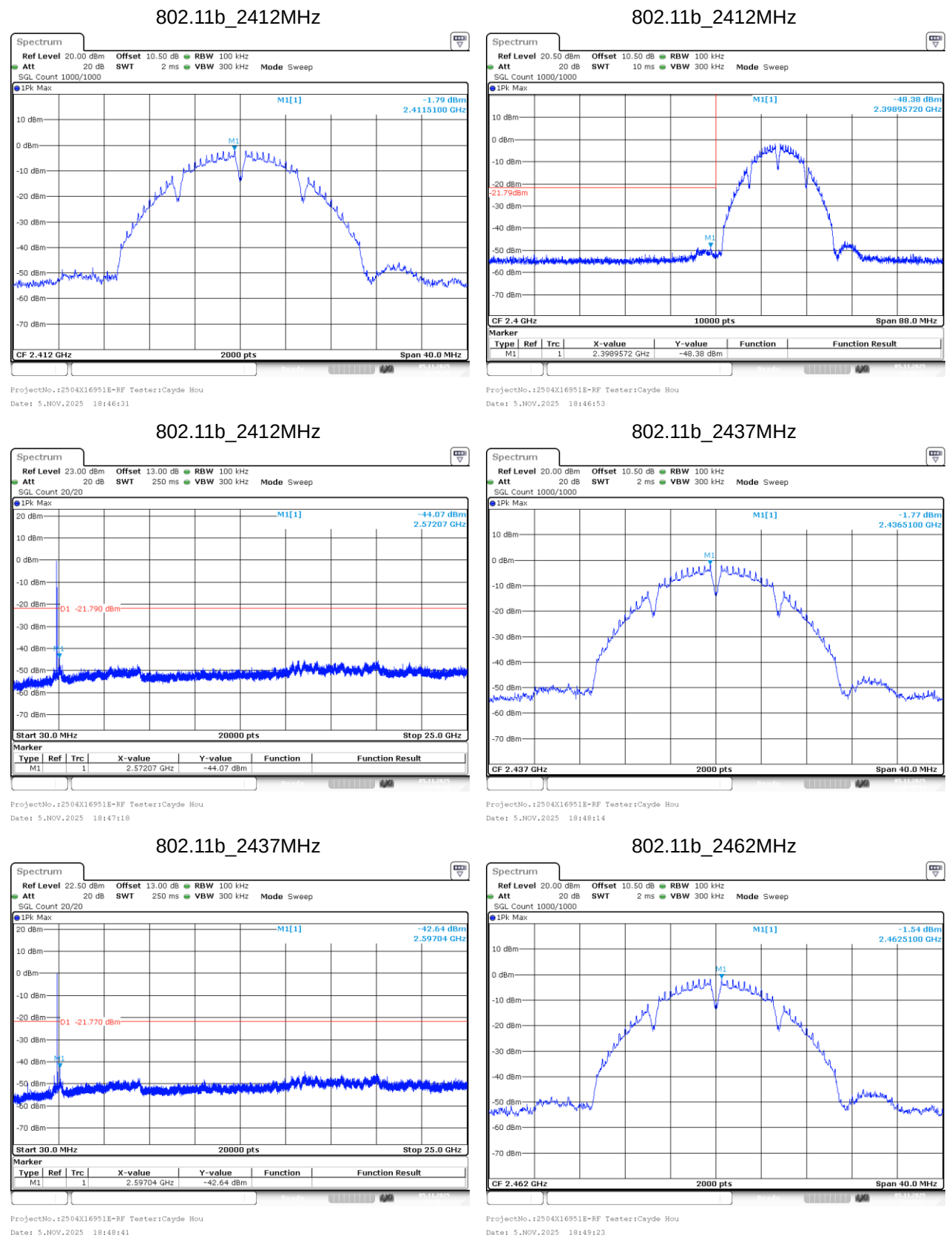
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802.11ax40_2452MHz_RU_Full

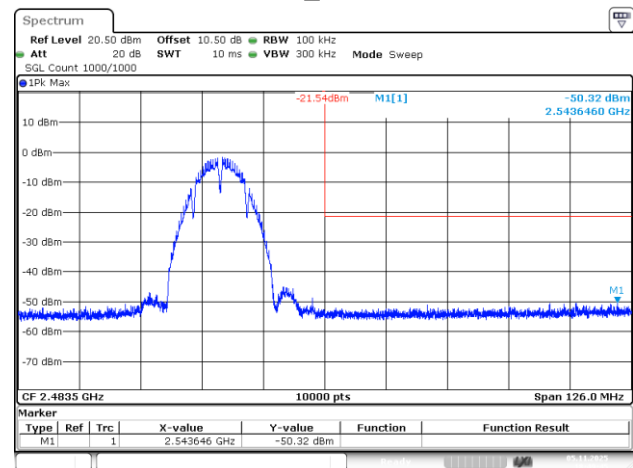


ProjectNo.:2504X16951E-RF Tester:Cayde Hou
Date: 30.SEP.2025 17:46:54

Conducted Spurious Emission

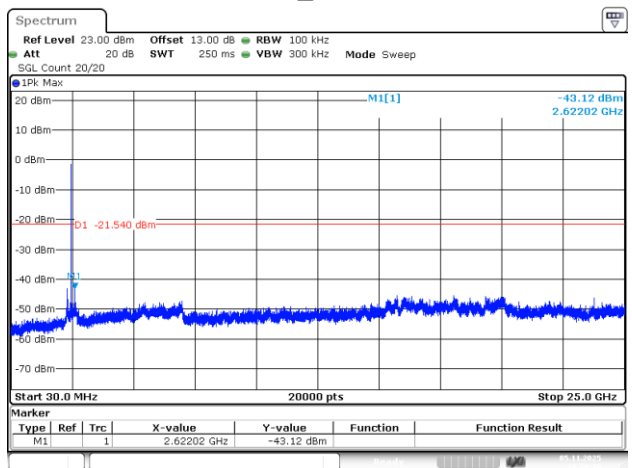


802.11b_2462MHz



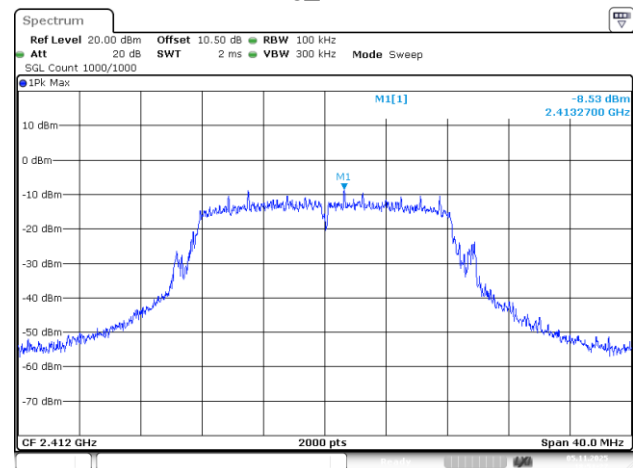
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802.11b_2462MHz



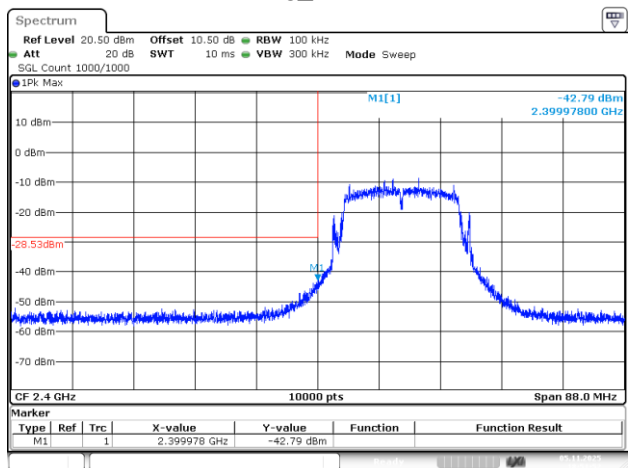
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Date: 5.NOV.2025 18:50:11

802.11g_2412MHz



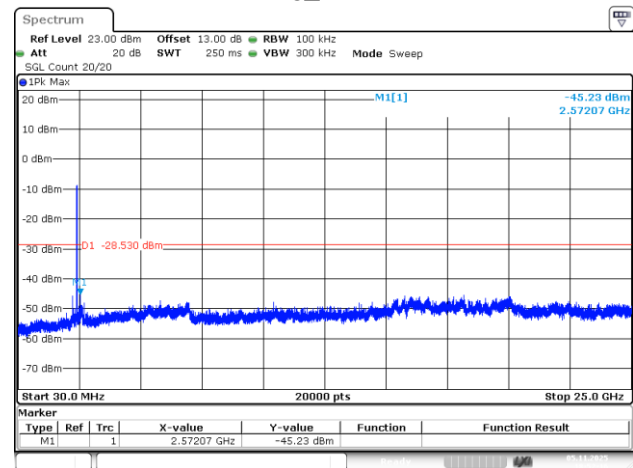
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Date: 5.NOV.2025 18:51:28

802.11g_2412MHz



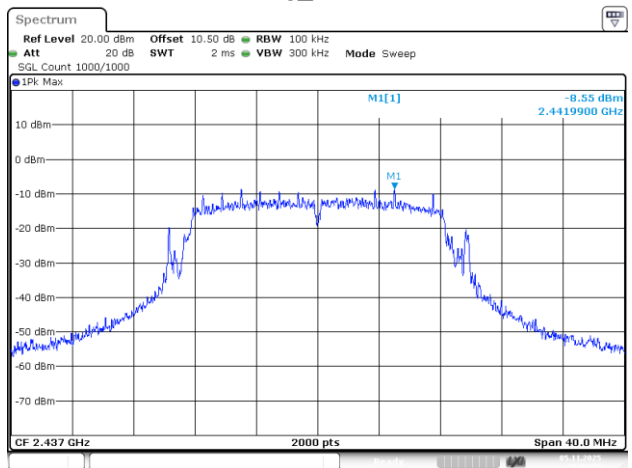
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802.11g_2412MHz



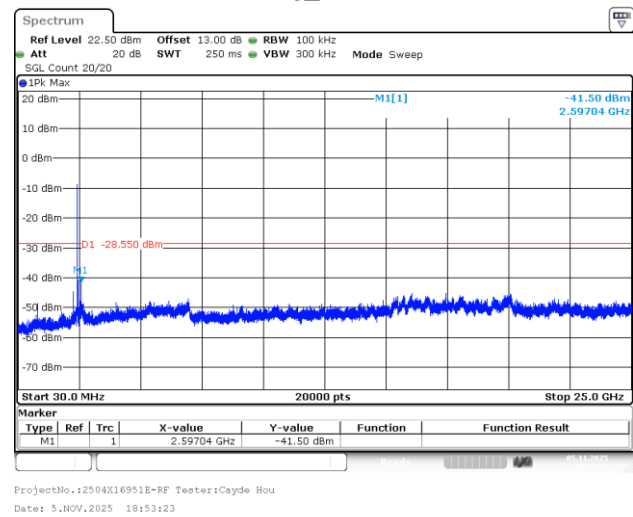
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Date: 5.NOV.2025 18:52:17

802.11g_2437MHz

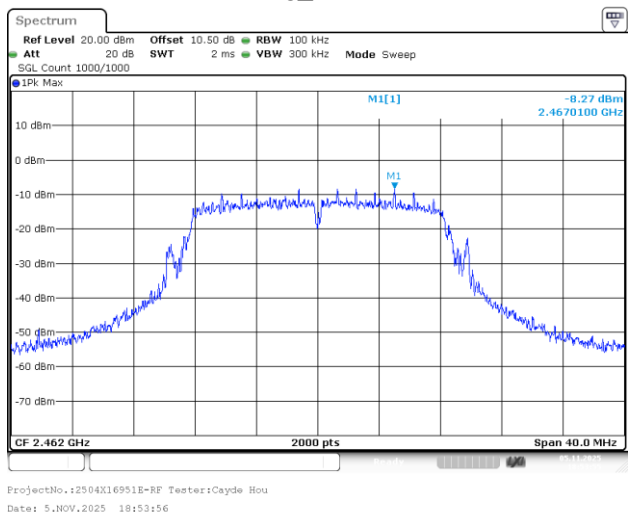


ProjectNo.:2504X16951E-RF Tester:Cayde Hou
Date: 5.NOV.2025 18:52:56

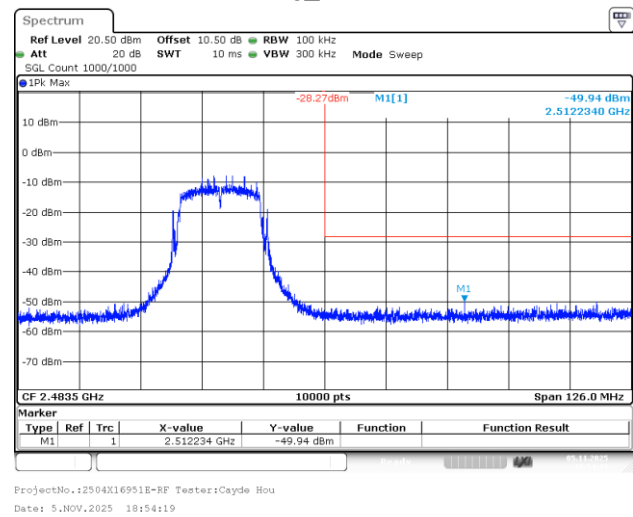
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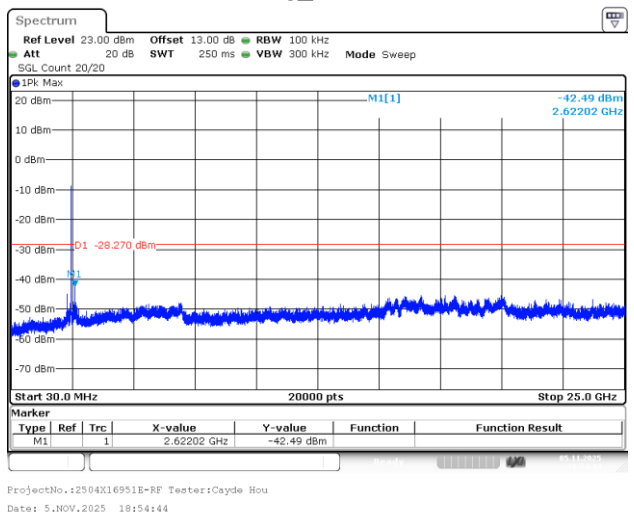
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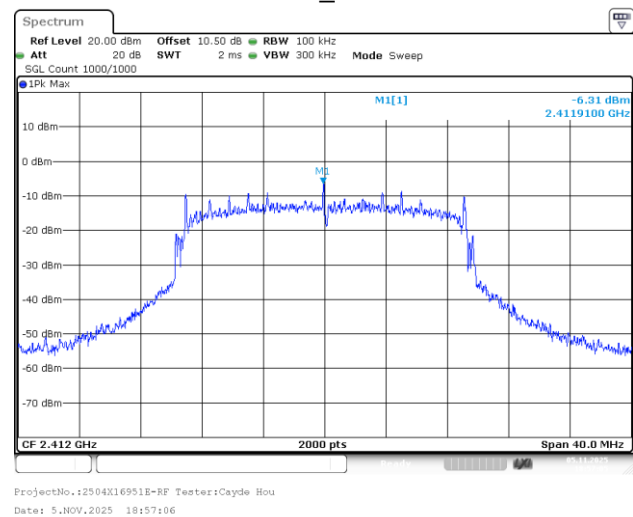
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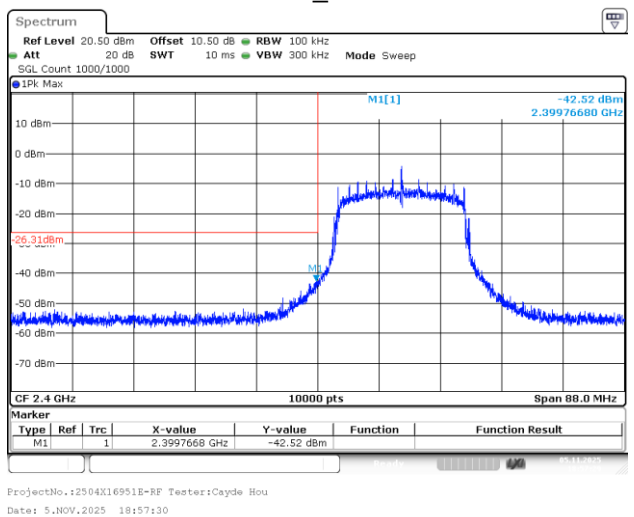
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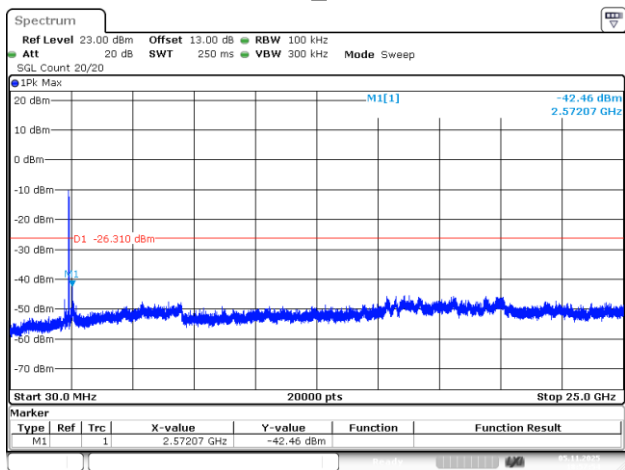
802.11n20_2412MHz



802.11n20_2412MHz

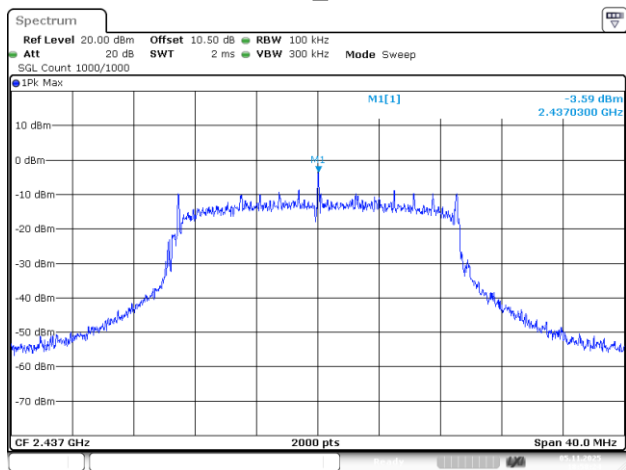


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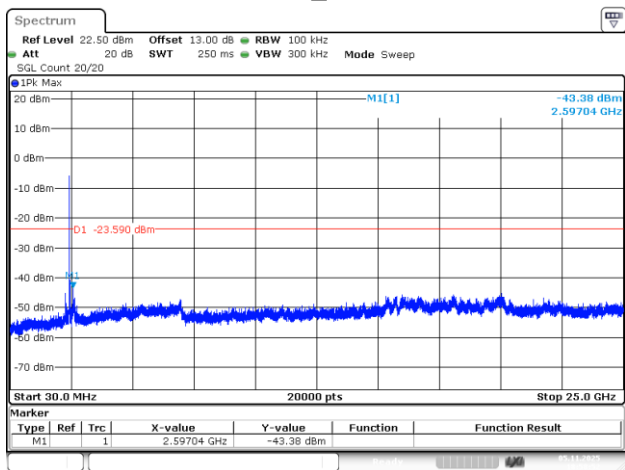
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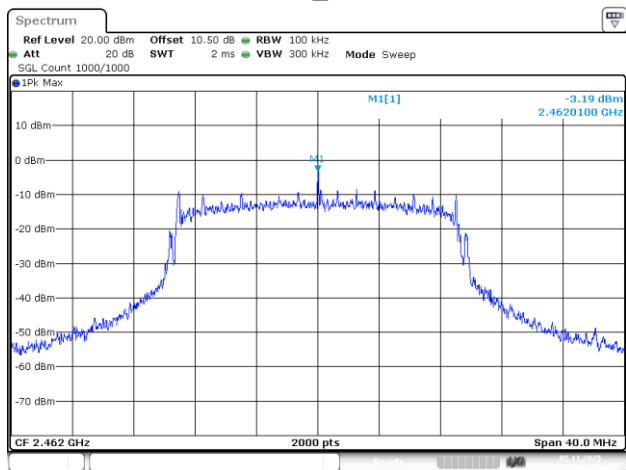
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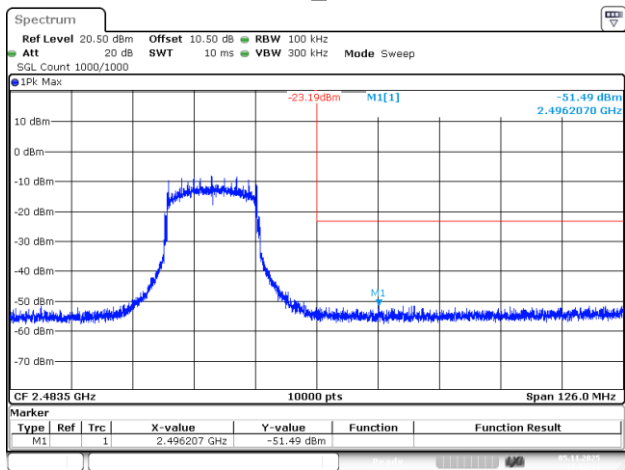
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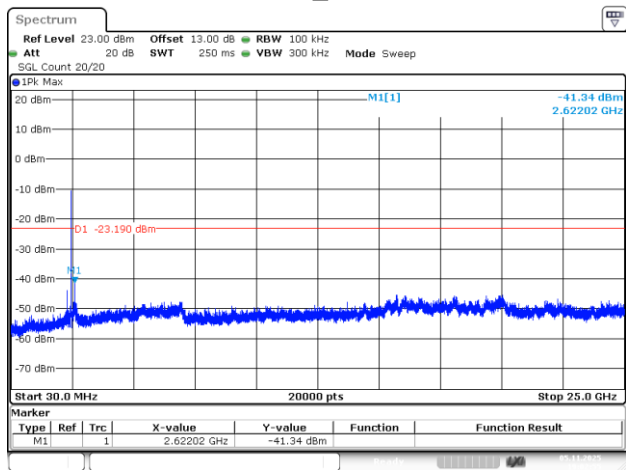
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802.11n20_2462MHz



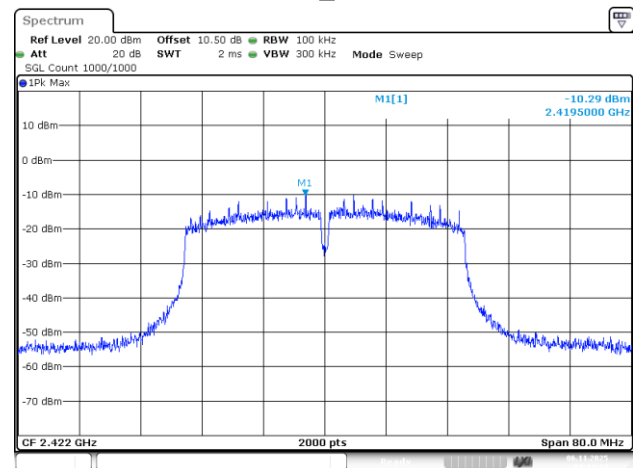
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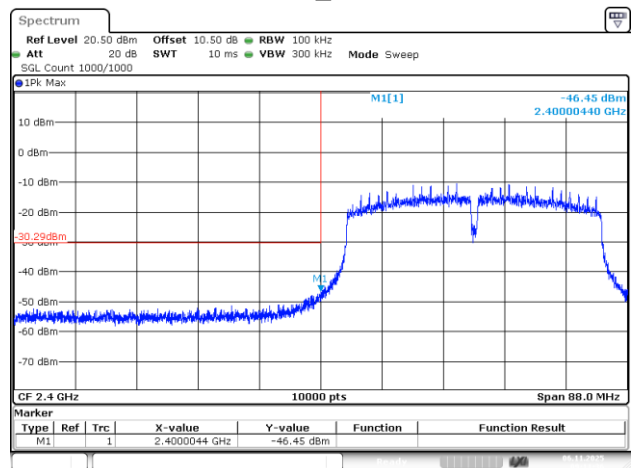
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802.11n40_2422MHz



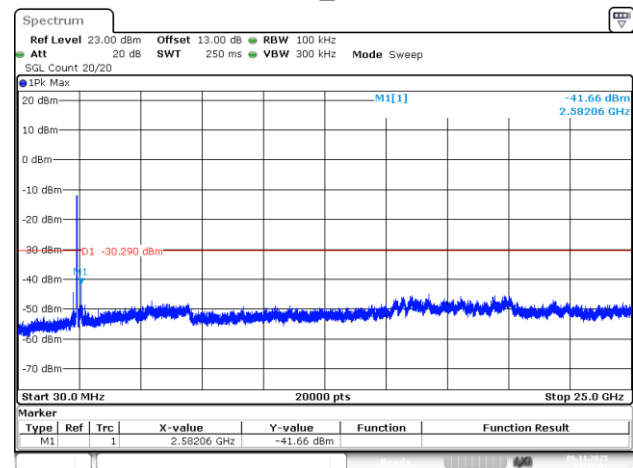
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802.11n40_2422MHz



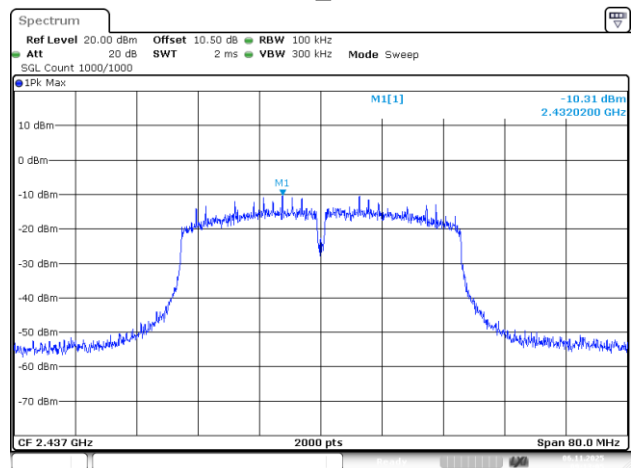
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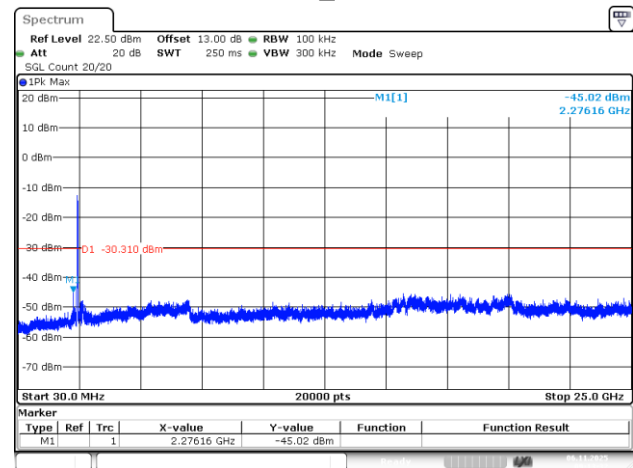
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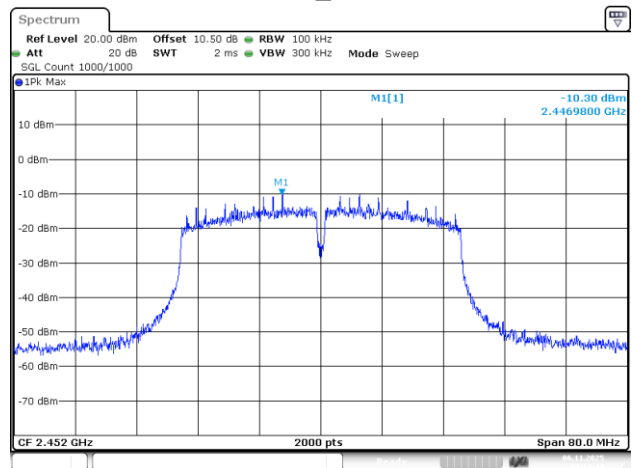
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802.11n40_2437MHz



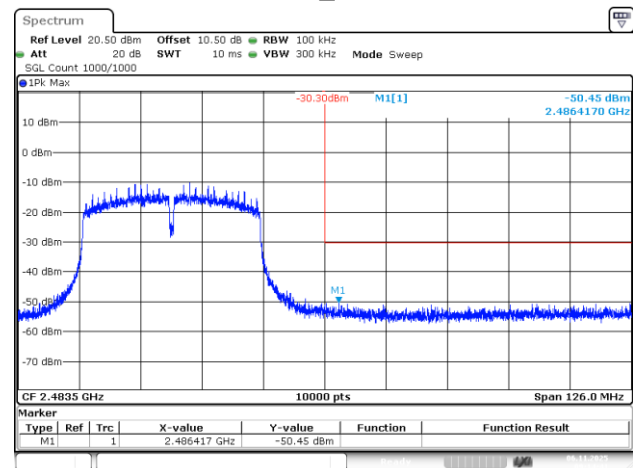
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802.11n40_2452MHz



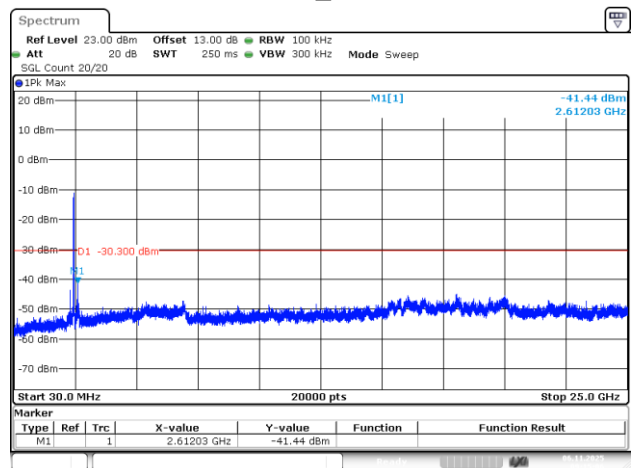
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802.11n40_2452MHz



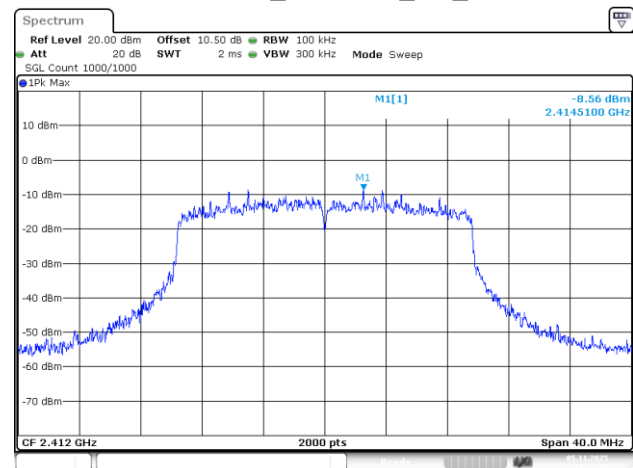
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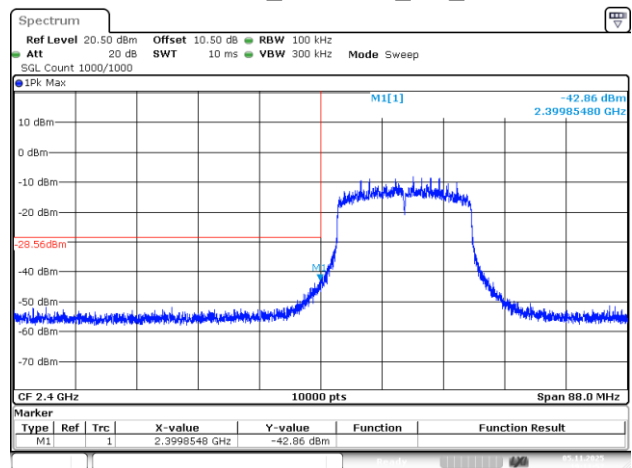
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802.11ax20_2412MHz_RU_Full



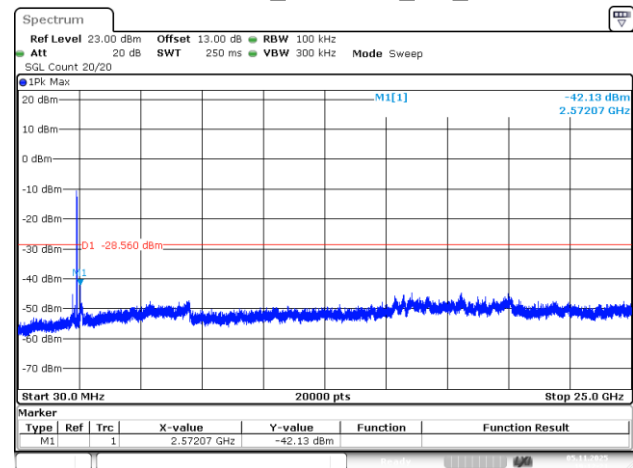
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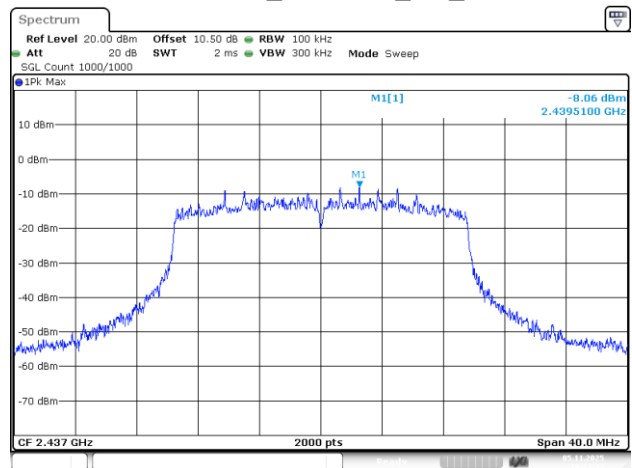
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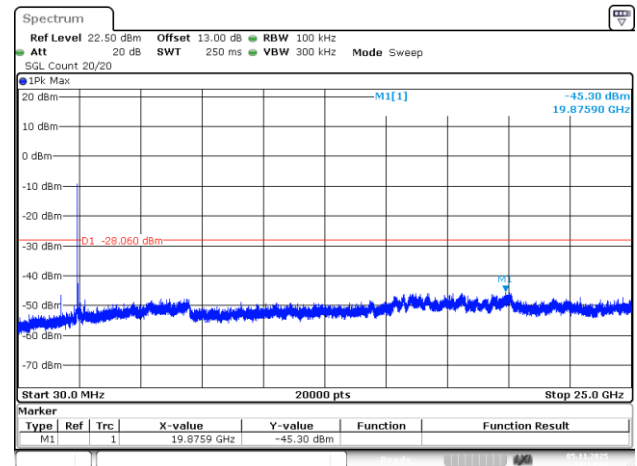
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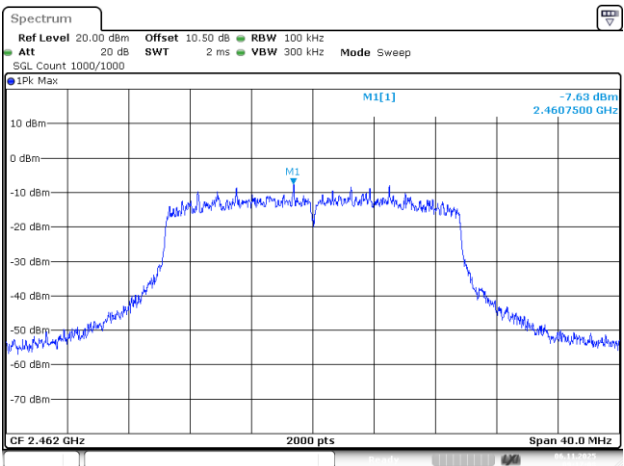
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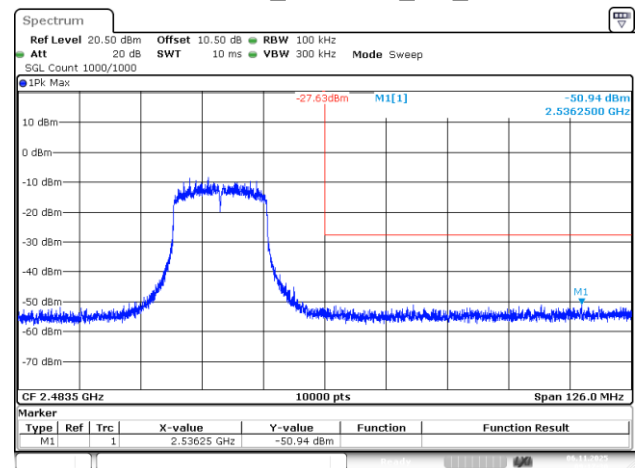
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802.11ax20_2462MHz_RU_Full



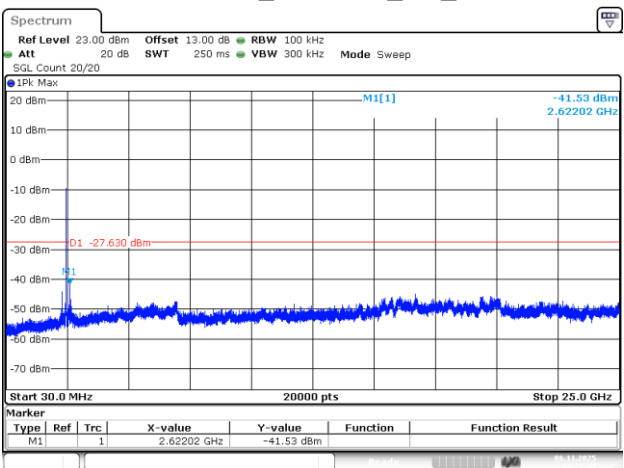
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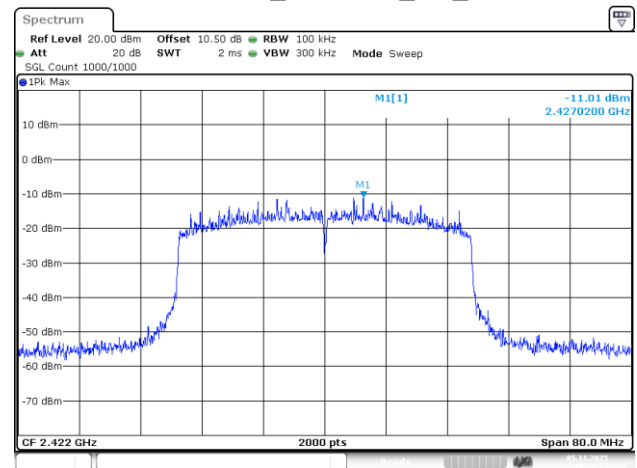
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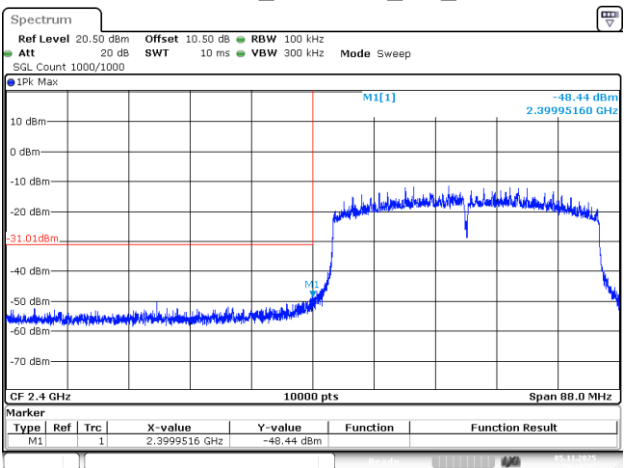
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802.11ax40_2422MHz_RU_Full



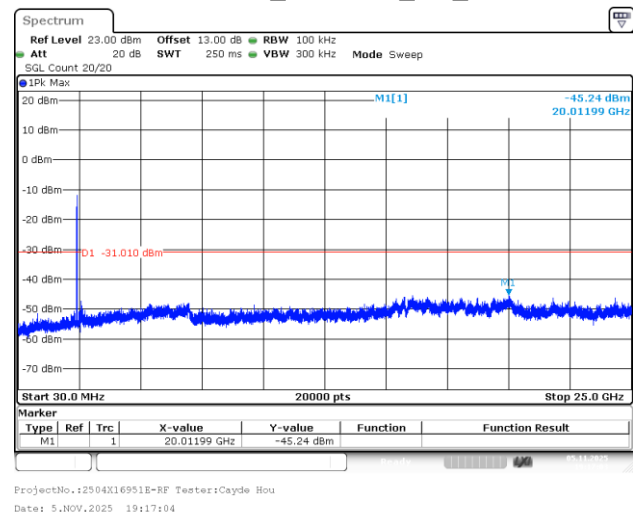
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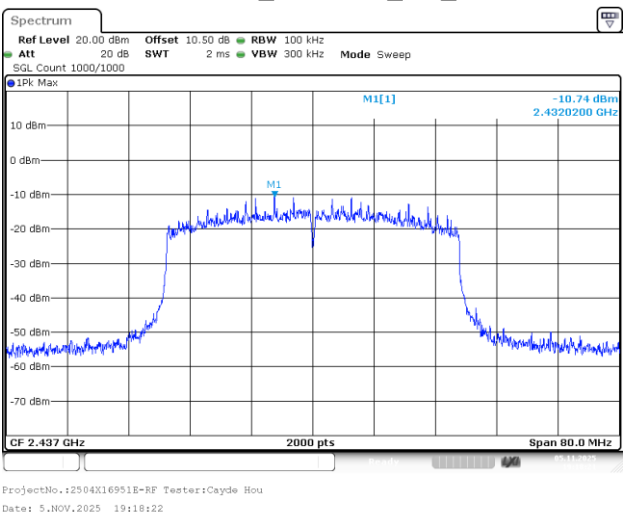


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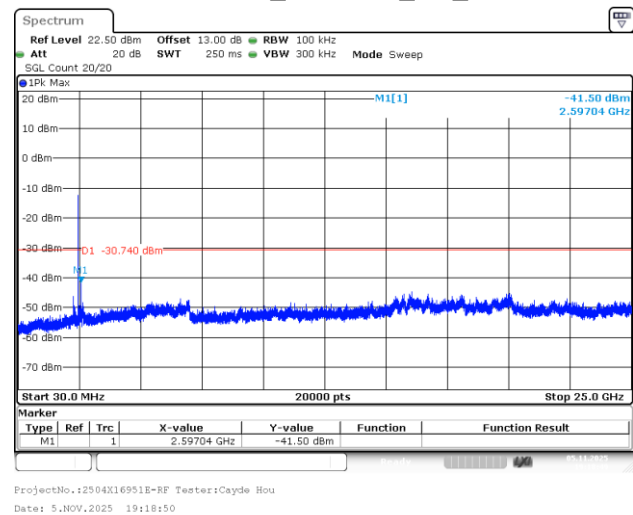
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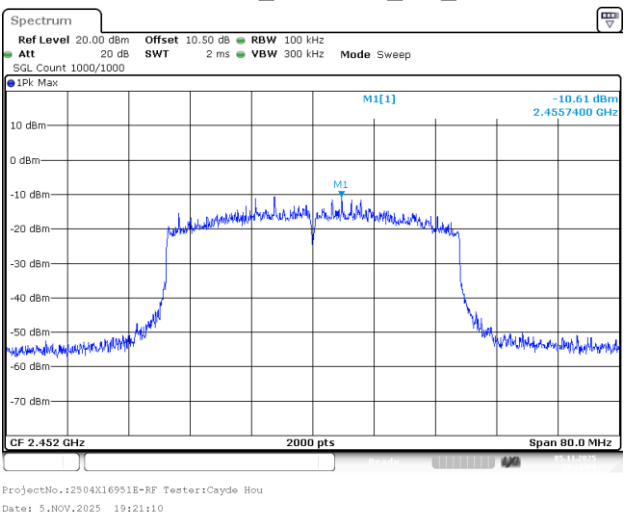
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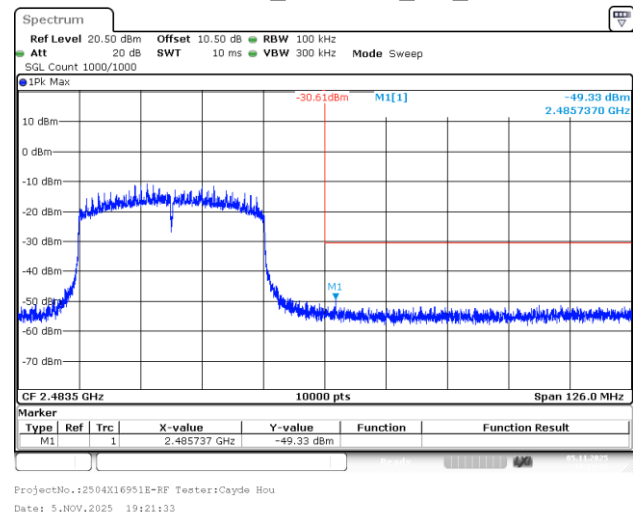
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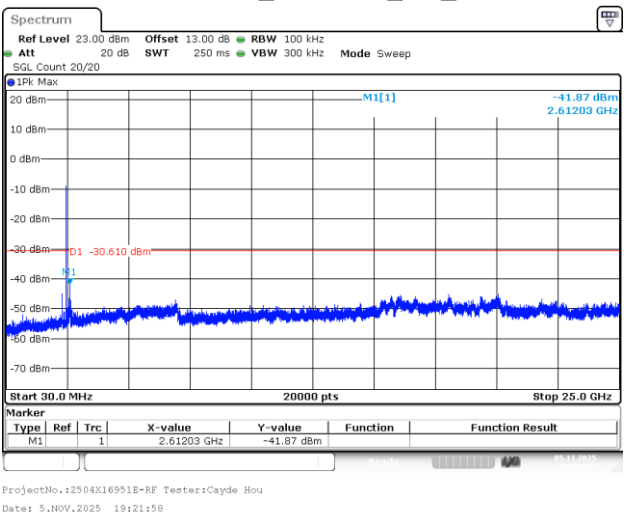
802.11ax40_2452MHz_RU_Full



802.11ax40_2452MHz_RU_Full



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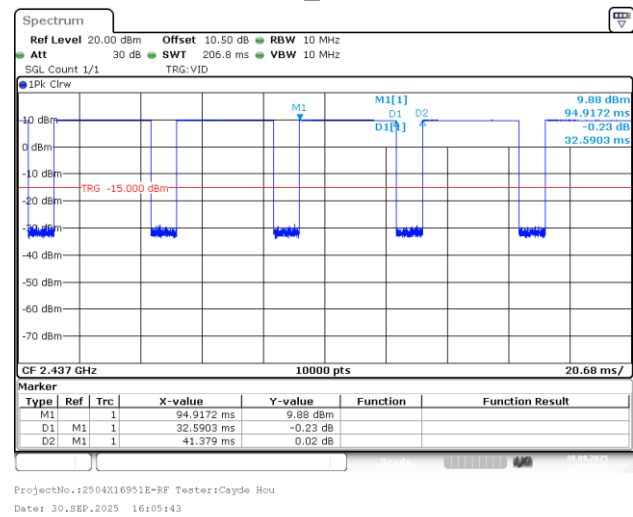


Duty Cycle

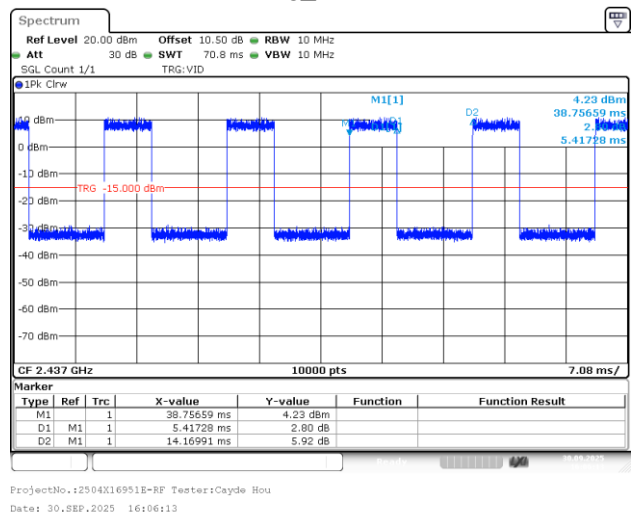
Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	32.590	41.379	78.76	1.04	31	0.050
802.11g	2437	5.417	14.170	38.23	4.18	185	0.200
802.11n20	2437	5.017	13.770	36.43	4.39	199	0.200
802.11n40	2437	2.341	11.172	20.95	6.79	427	0.500
802.11ax20_RU_FULLL	2437	4.033	12.776	31.57	5.01	248	0.300
802.11ax40_RU_FULLL	2437	1.921	10.819	17.76	7.51	521	1

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

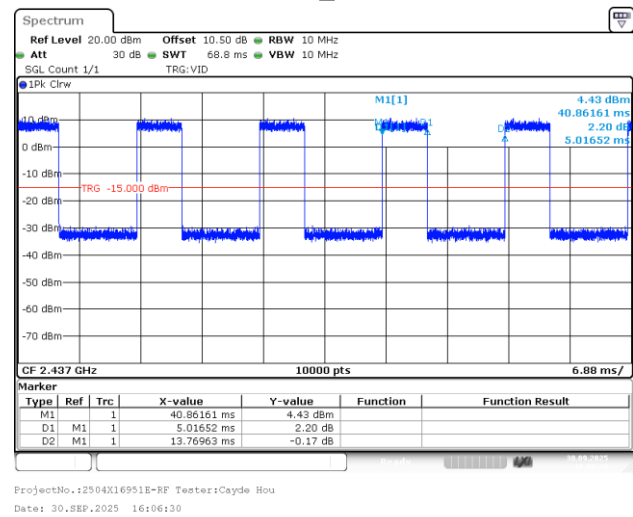
802.11b_2437MHz



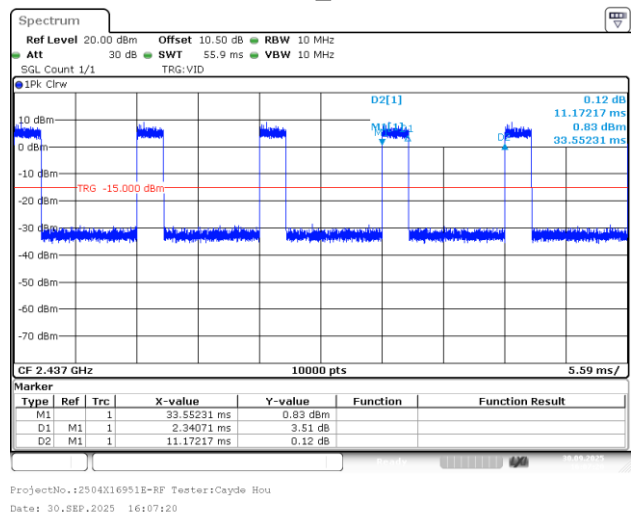
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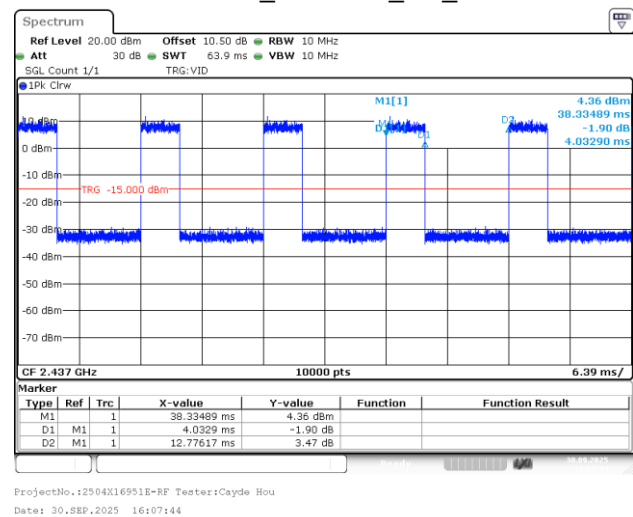
802.11n20_2437MHz



802.11n40_2437MHz



802.11ax20_2437MHz_RU_FULL



802.11ax40_2437MHz_RU_FULL

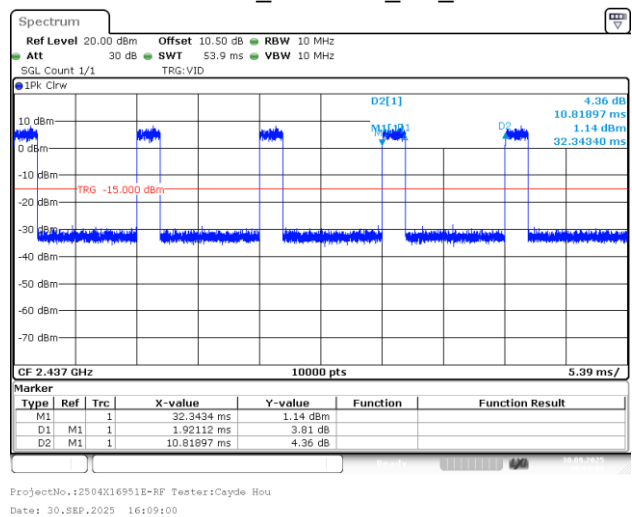


EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504X16951E-RF EUT External Photos and Attachment No.2 2504X16951E-RF EUT Internal Photos.

EXHIBIT B-TEST SETUP PHOTOGRAPHS

Please refer to the Attachment No.4 2504X16951E-RFB Test Photos.

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