

Appendix A.3: RF Conducted Test

Test Information:

Sample No.:	3QQL-2	Test Date:	2026/08/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Steve Lu	Test Result:	Pass

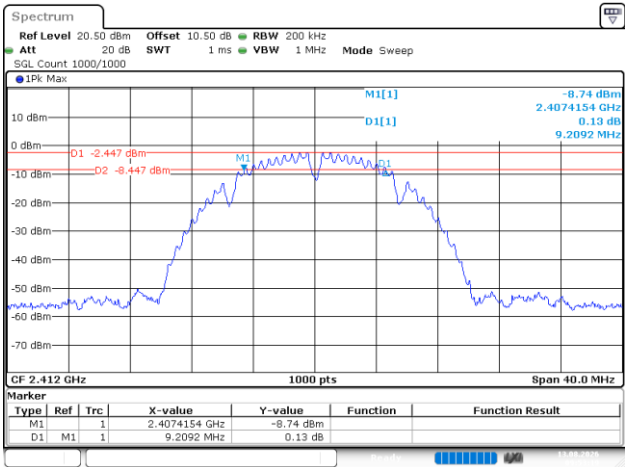
Environmental Conditions:

Temperature: (°C)	25.2	Relative Humidity: (%)	51	ATM Pressure: (kPa)	100.2
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Appendix A.3.1.1: 6dB Emission Bandwidth

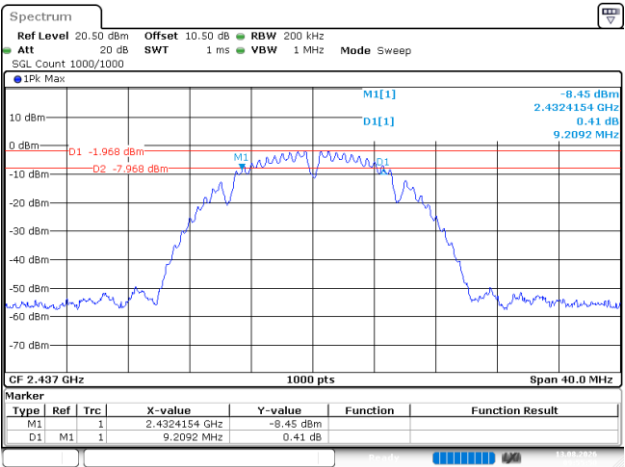
Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	9.209	≥0.5	Pass
	2437	9.209	≥0.5	Pass
	2462	9.209	≥0.5	Pass
802.11g	2412	16.376	≥0.5	Pass
	2437	16.376	≥0.5	Pass
	2462	16.457	≥0.5	Pass
802.11n20	2412	17.658	≥0.5	Pass
	2437	17.658	≥0.5	Pass
	2462	17.698	≥0.5	Pass
802.11n40	2422	36.517	≥0.5	Pass
	2437	36.517	≥0.5	Pass
	2452	36.597	≥0.5	Pass
802.11ax20_RU_Full	2412	18.739	≥0.5	Pass
	2437	18.939	≥0.5	Pass
	2462	18.979	≥0.5	Pass
802.11ax40_RU_Full	2422	38.038	≥0.5	Pass
	2437	37.718	≥0.5	Pass
	2452	38.038	≥0.5	Pass

802.11b_2412MHz



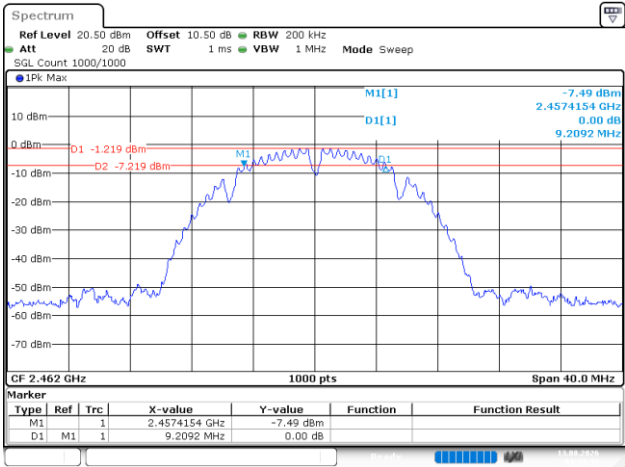
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 09:53:20

802.11b_2437MHz



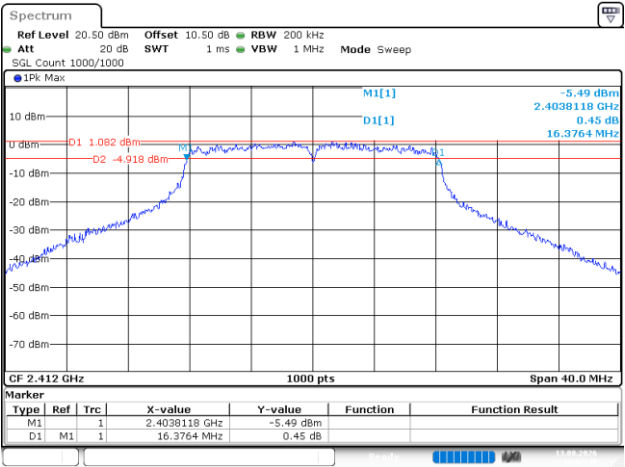
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 09:55:51

802.11b_2462MHz



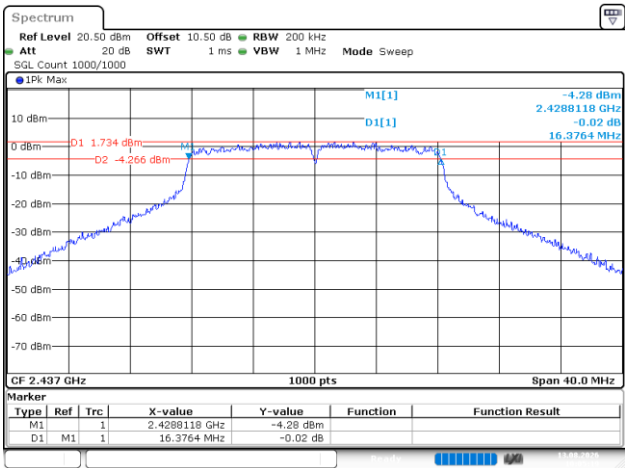
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:00:00

802.11g_2412MHz



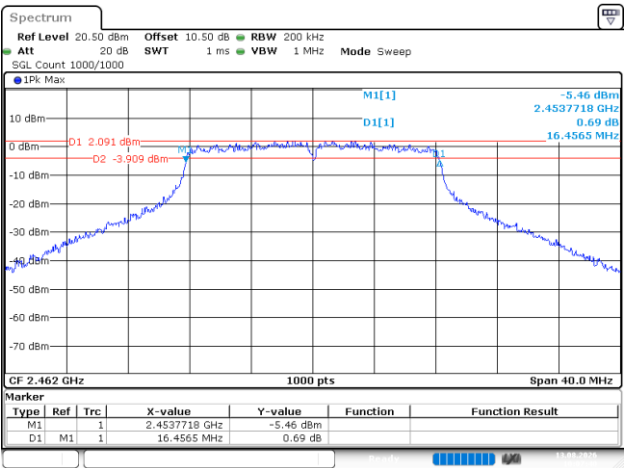
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:02:40

802.11g_2437MHz



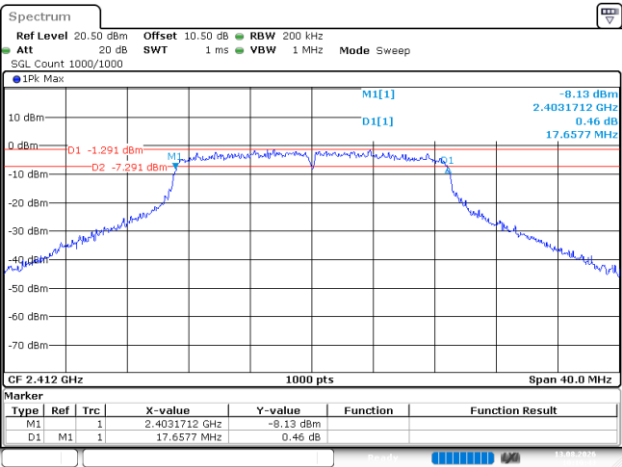
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:05:19

802.11g_2462MHz



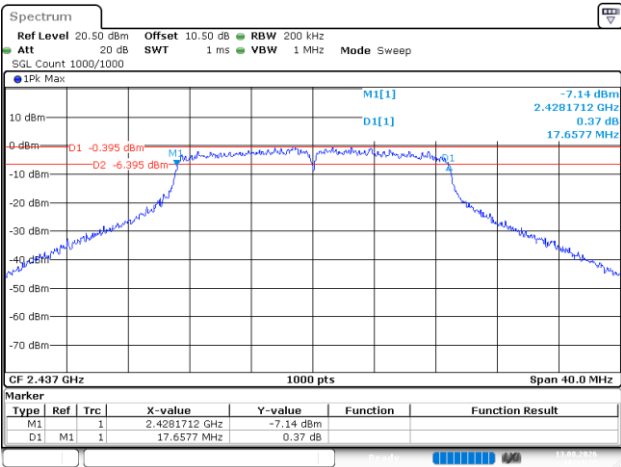
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:07:41

802.11n20_2412MHz



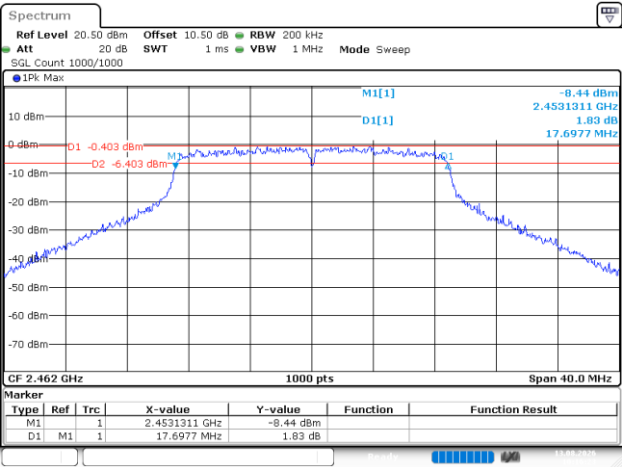
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:10:43

802.11n20_2437MHz



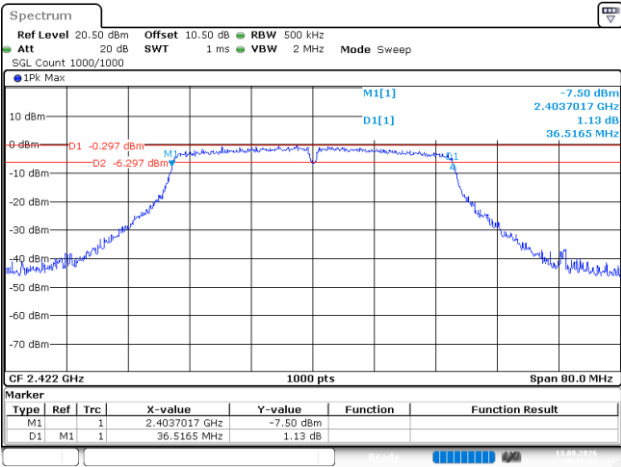
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:13:28

802.11n20_2462MHz



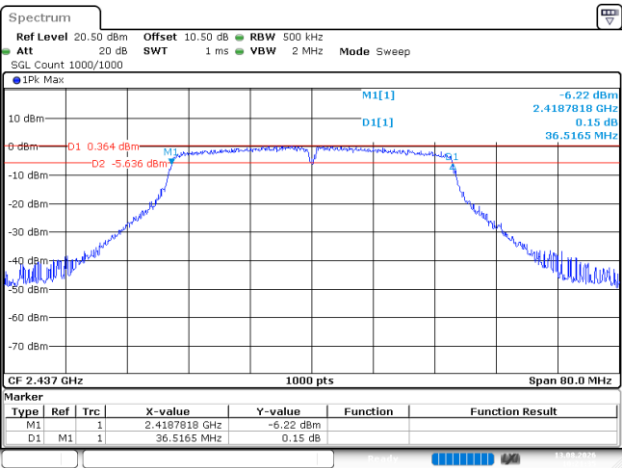
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:16:24

802.11n40_2422MHz



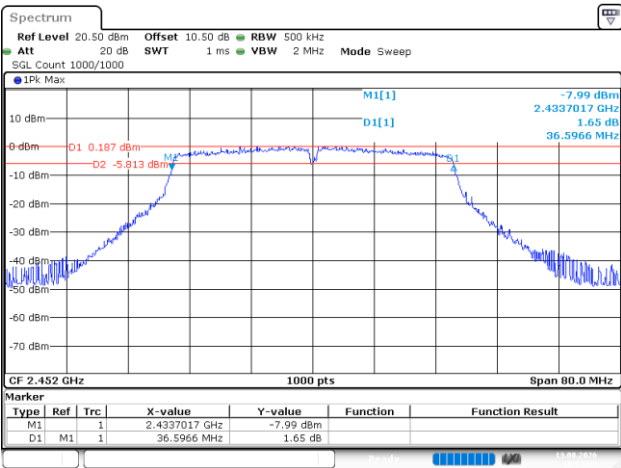
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:18:44

802.11n40_2437MHz



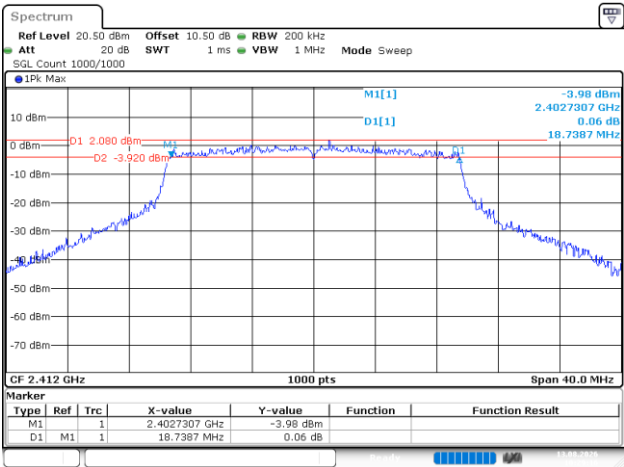
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:21:35

802.11n40_2452MHz



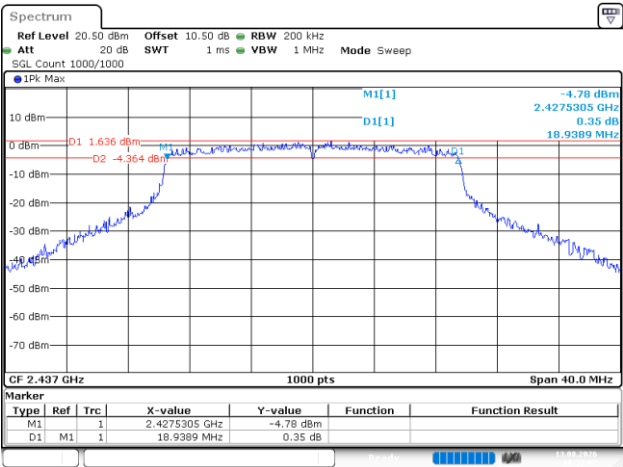
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:24:10

802.11ax20_2412MHz_RU_Full



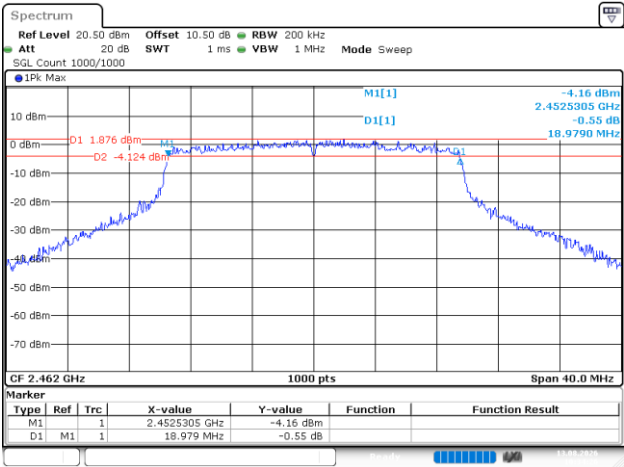
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:29:16

802.11ax20_2437MHz_RU_Full



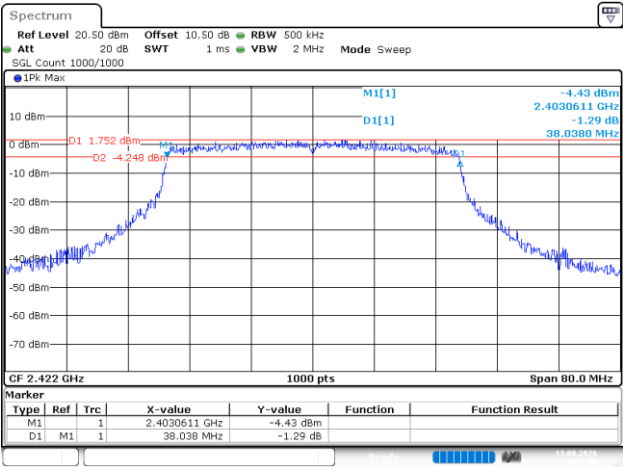
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:32:07

802.11ax20_2462MHz_RU_Full



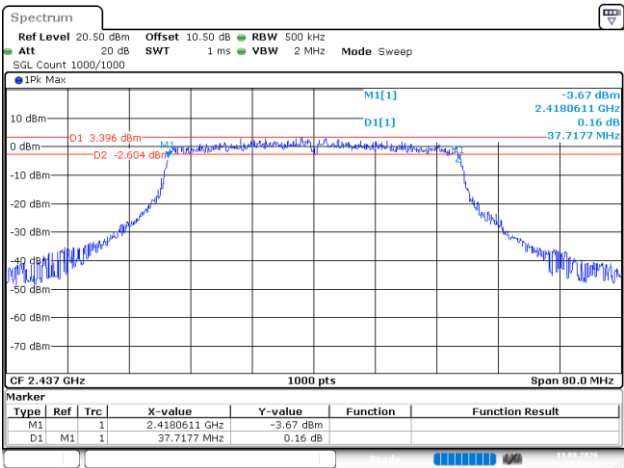
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:34:27

802.11ax40_2422MHz_RU_Full



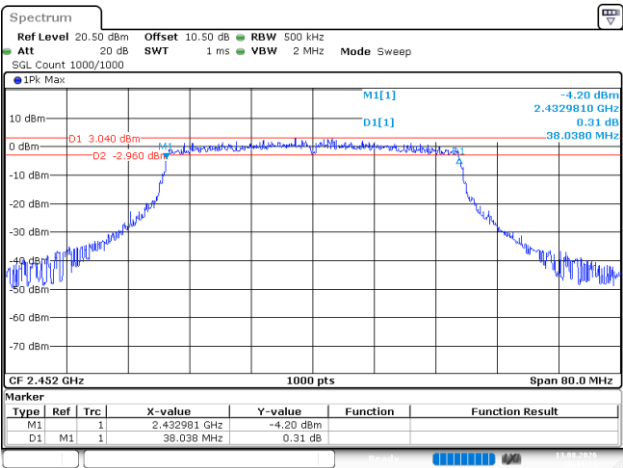
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:38:07

802.11ax40_2437MHz_RU_Full



ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:41:34

802.11ax40_2452MHz_RU_Full

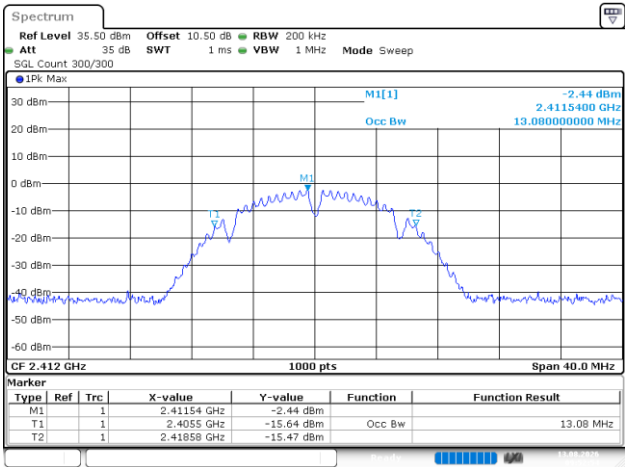


ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:44:12

Appendix A.3.1.2: 99% Occupied Bandwidth

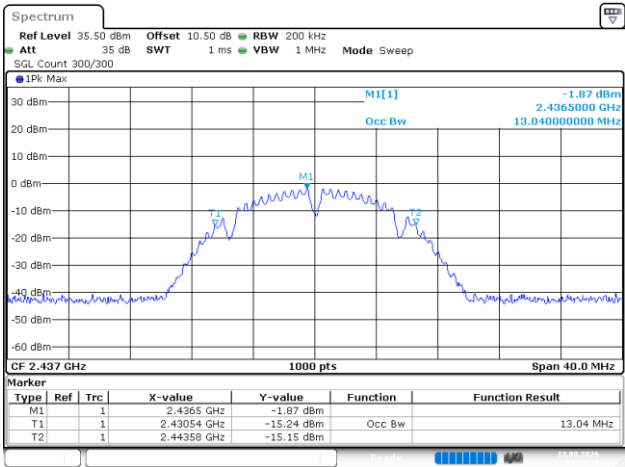
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	13.080
	2437	13.040
	2462	13.040
802.11g	2412	16.640
	2437	16.600
	2462	16.600
802.11n20	2412	17.880
	2437	17.800
	2462	17.800
802.11n40	2422	36.560
	2437	36.560
	2452	36.560
802.11ax20_RU_Full	2412	19
	2437	19.040
	2462	19
802.11ax40_RU_Full	2422	37.840
	2437	37.920
	2452	37.920

802.11b_2412MHz



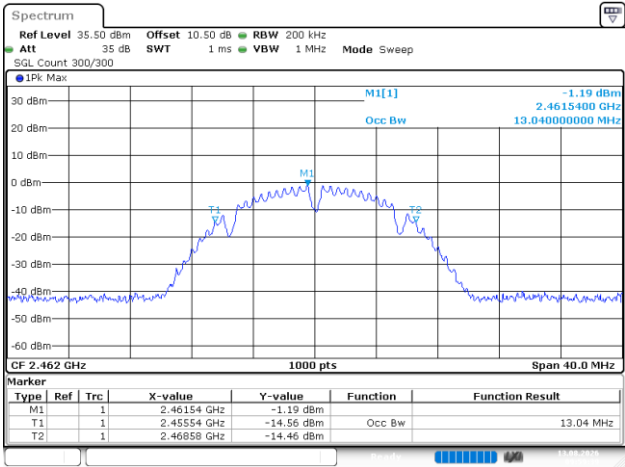
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 09:52:55

802.11b_2437MHz



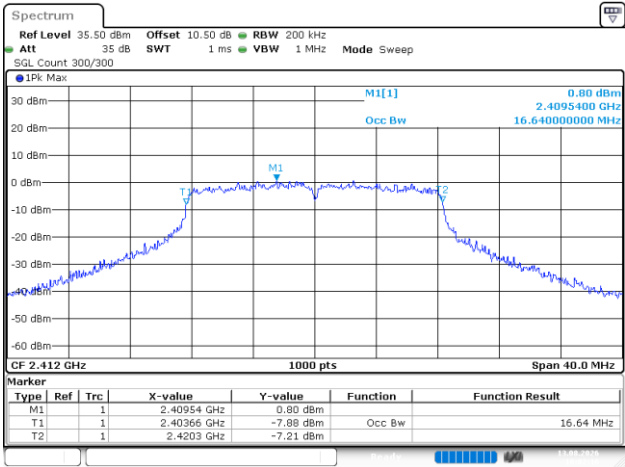
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 09:55:31

802.11b_2462MHz



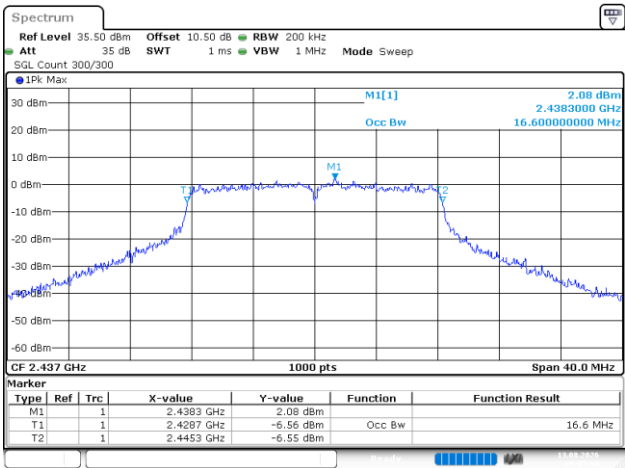
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 09:59:40

802.11g_2412MHz



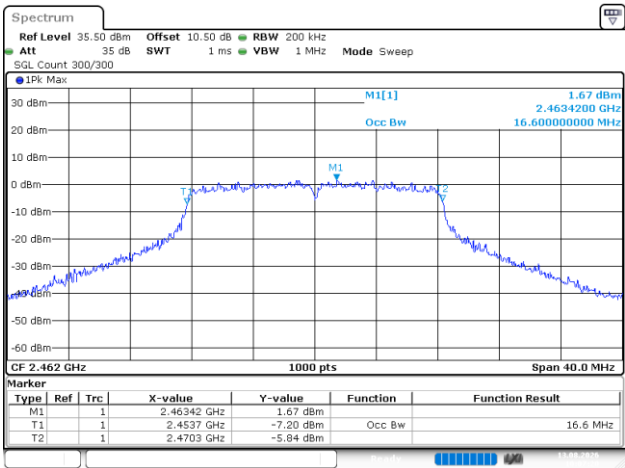
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:02:17

802.11g_2437MHz



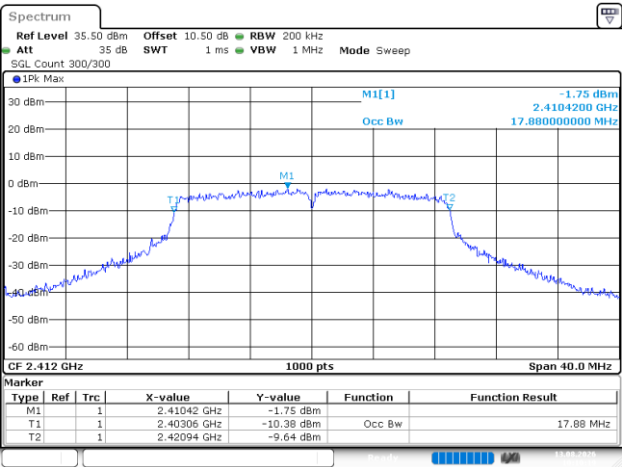
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:05:01

802.11g_2462MHz



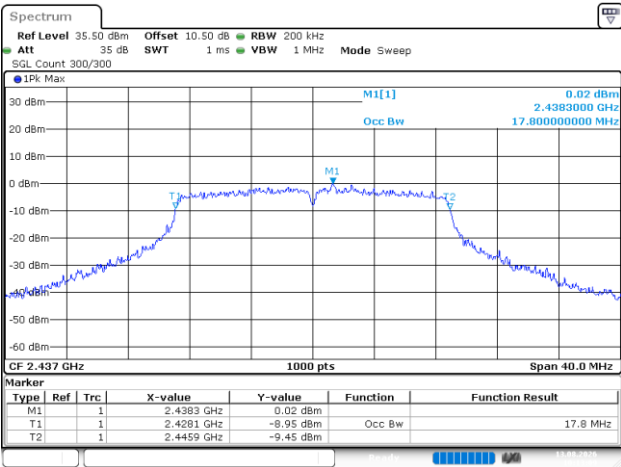
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:07:21

802.11n20_2412MHz



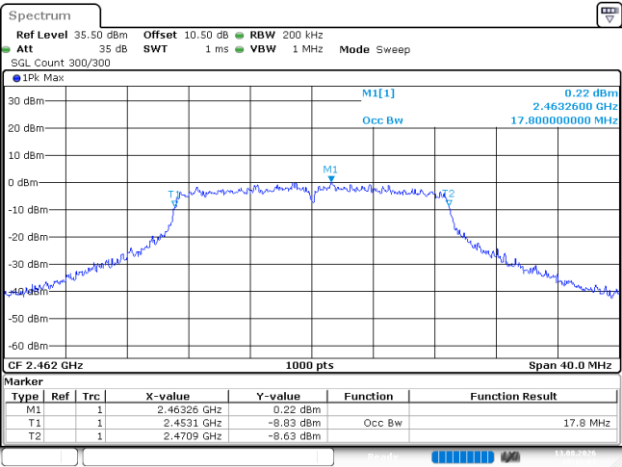
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:10:19

802.11n20_2437MHz



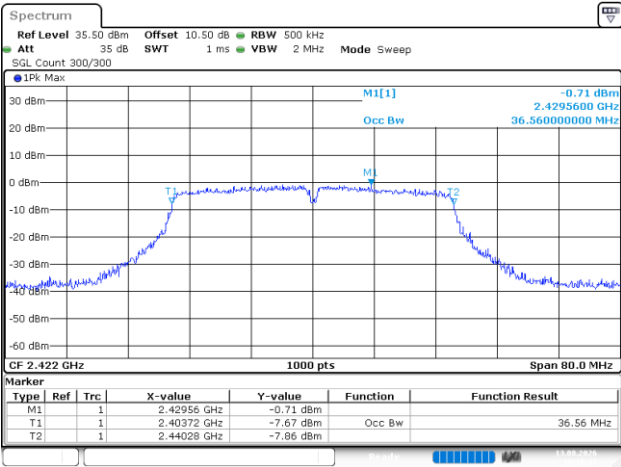
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:13:10

802.11n20_2462MHz



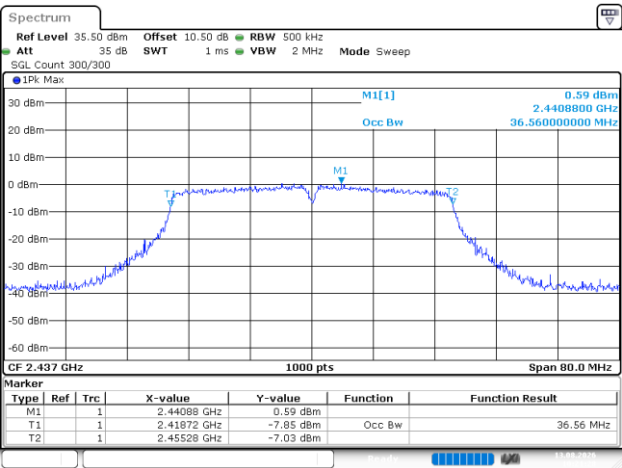
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:16:03

802.11n40_2422MHz



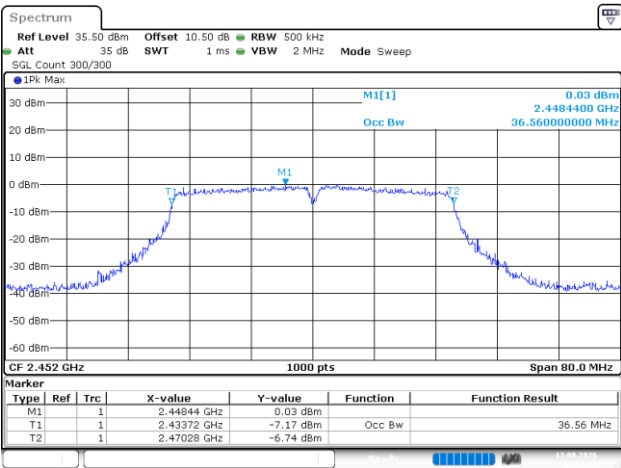
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:18:38

802.11n40_2437MHz



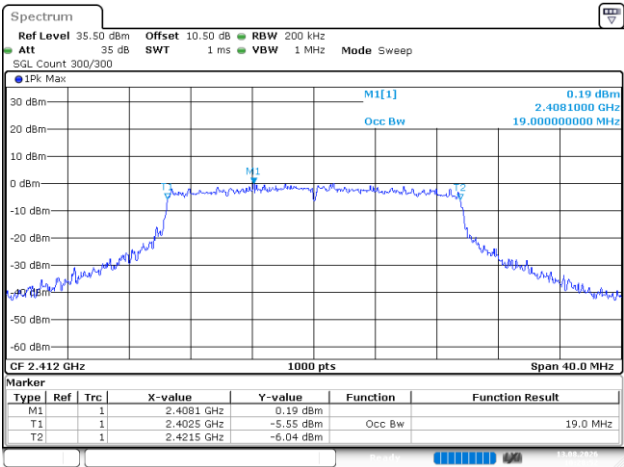
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:21:29

802.11n40_2452MHz



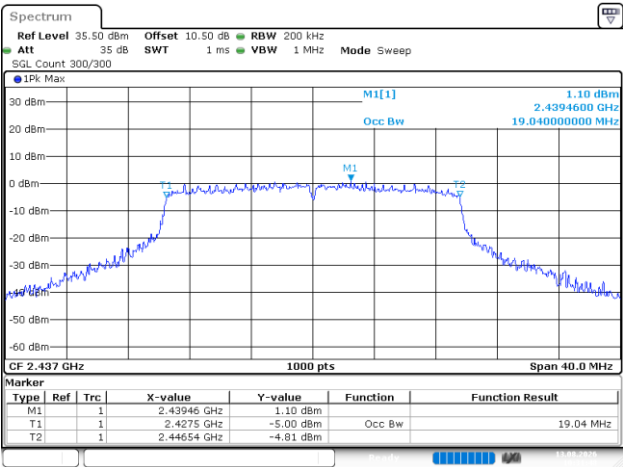
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:24:04

802.11ax20_2412MHz_RU_Full



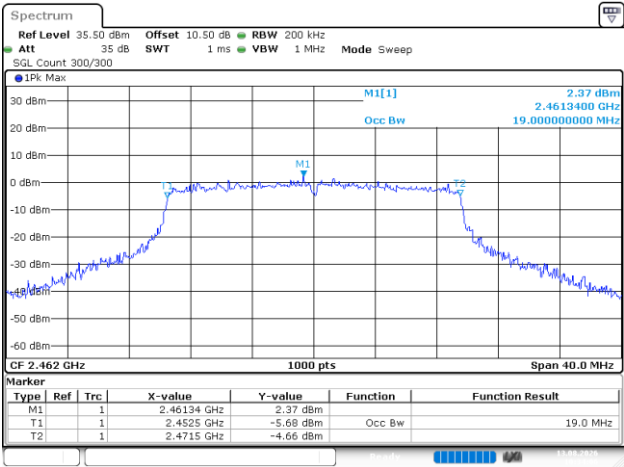
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:28:53

802.11ax20_2437MHz_RU_Full



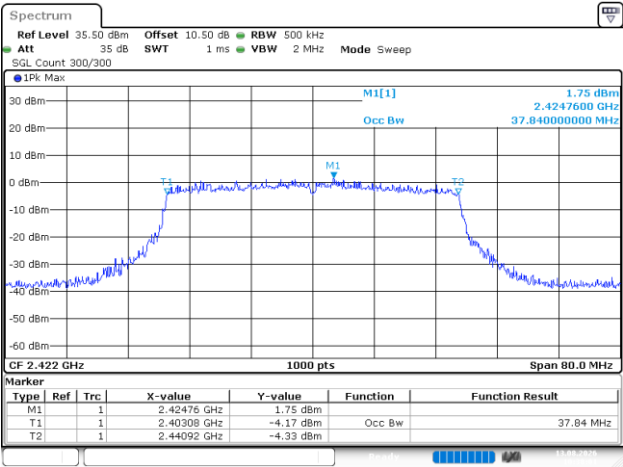
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:31:48

802.11ax20_2462MHz_RU_Full



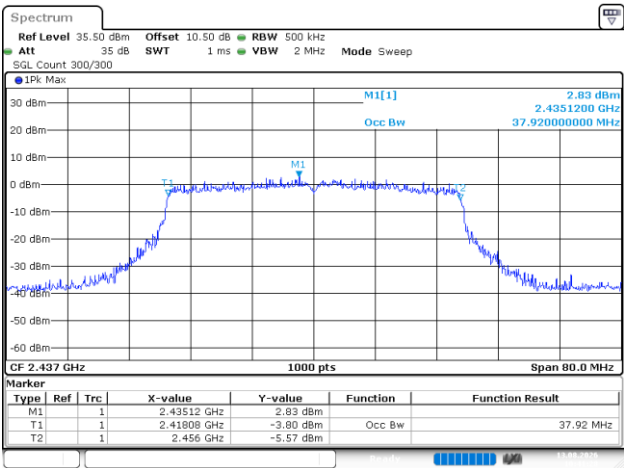
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:34:06

802.11ax40_2422MHz_RU_Full



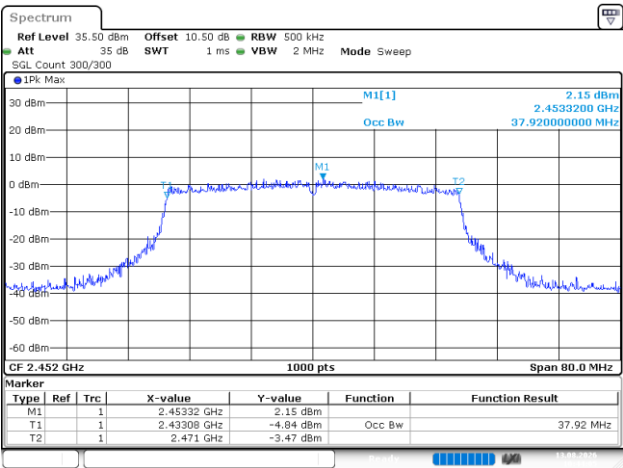
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:38:01

802.11ax40_2437MHz_RU_Full



ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:41:29

802.11ax40_2452MHz_RU_Full



ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:44:06

Appendix A.3.2: Maximum Conducted Output Power

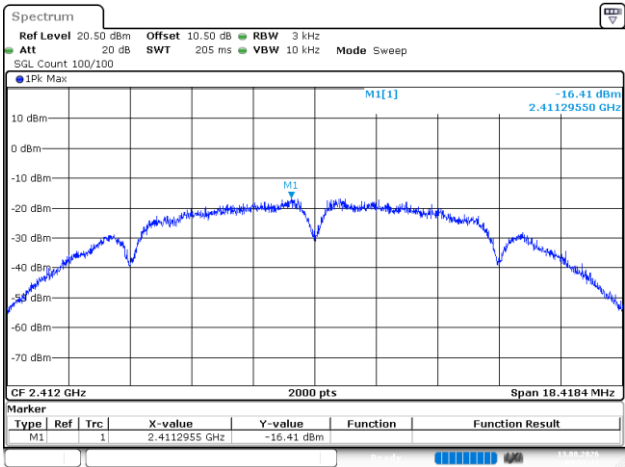
Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	8.88	6.15	30	Pass
	2437	9.42	6.70	30	Pass
	2462	10.05	7.35	30	Pass
802.11g	2412	22.69	11.56	30	Pass
	2437	23.18	12.38	30	Pass
	2462	23.76	12.56	30	Pass
802.11n20	2412	20.84	9.43	30	Pass
	2437	22.16	10.27	30	Pass
	2462	21.95	10.50	30	Pass
802.11n40	2422	20.67	9.29	30	Pass
	2437	21.87	10.21	30	Pass
	2452	21.99	10.05	30	Pass
802.11ax20_RU_Full	2412	21.66	10.55	30	Pass
	2437	22.51	11.14	30	Pass
	2462	22.47	11.41	30	Pass
802.11ax40_RU_Full	2422	20.31	9.17	30	Pass
	2437	21.75	10.19	30	Pass
	2452	21.50	10.02	30	Pass

- Note 1: The antenna gain is 3.82dBi[#].
- Note 2: EIRP = Conducted Output Power + Antenna Gain
- Note 3: The maximum EIRP is 23.76dBm+3.82dBi=27.58dBm<36dBm, so it's compliance with ISED EIRP limit.

Appendix A.3.3: Power Spectral Density

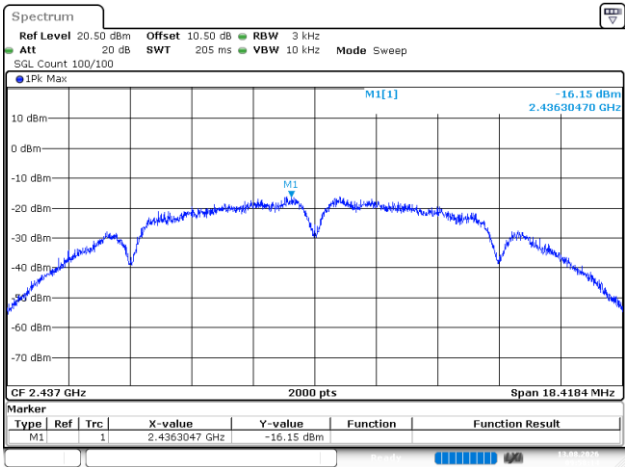
Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-16.41	8	Pass
	2437	-16.15	8	Pass
	2462	-13.92	8	Pass
802.11g	2412	-13.86	8	Pass
	2437	-13.00	8	Pass
	2462	-13.05	8	Pass
802.11n20	2412	-15.74	8	Pass
	2437	-14.28	8	Pass
	2462	-14.69	8	Pass
802.11n40	2422	-18.65	8	Pass
	2437	-17.78	8	Pass
	2452	-17.56	8	Pass
802.11ax20_RU_Full	2412	-14.33	8	Pass
	2437	-14.94	8	Pass
	2462	-13.84	8	Pass
802.11ax40_RU_Full	2422	-18.25	8	Pass
	2437	-18.05	8	Pass
	2452	-17.79	8	Pass

802.11b_2412MHz



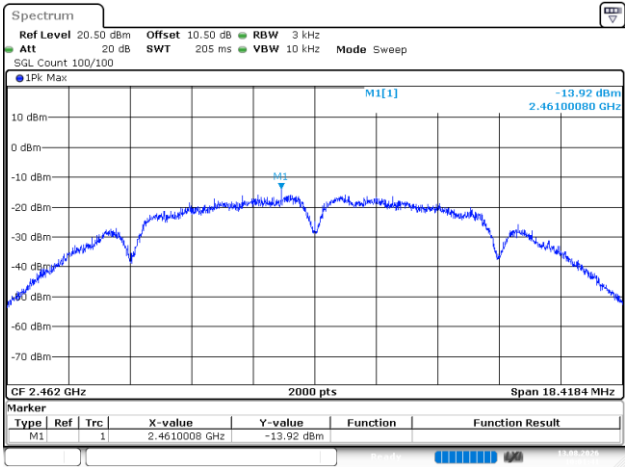
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 09:57:42

802.11b_2437MHz



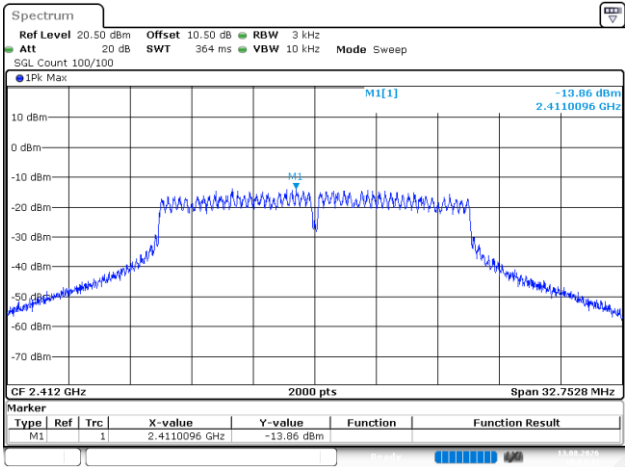
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 09:58:15

802.11b_2462MHz



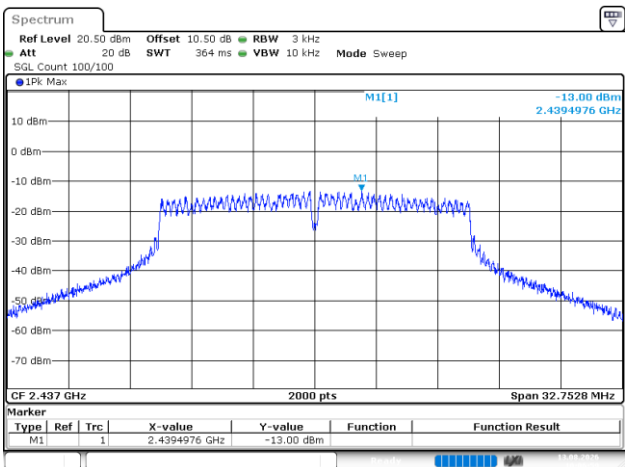
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:01:42

802.11g_2412MHz



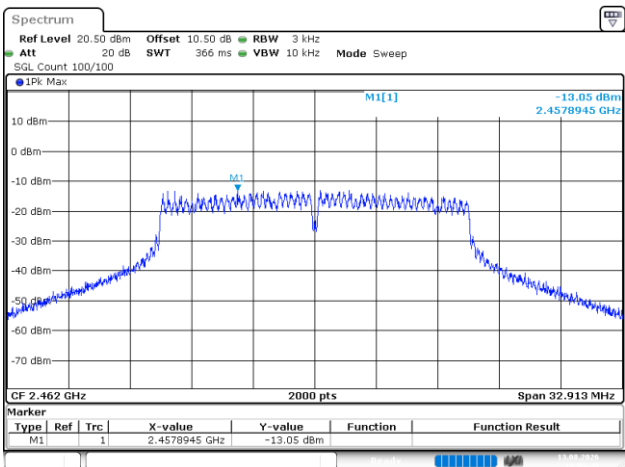
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:04:45

802.11g_2437MHz



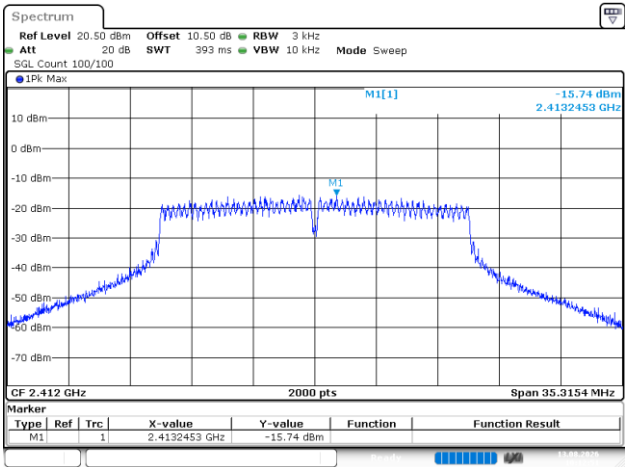
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:06:59

802.11g_2462MHz



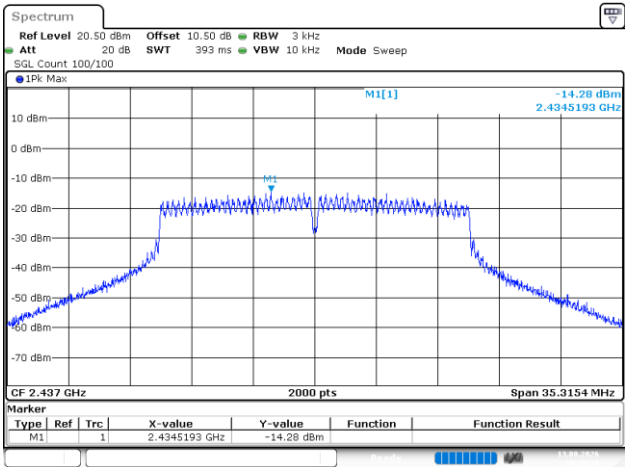
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:09:40

802.11n20_2412MHz



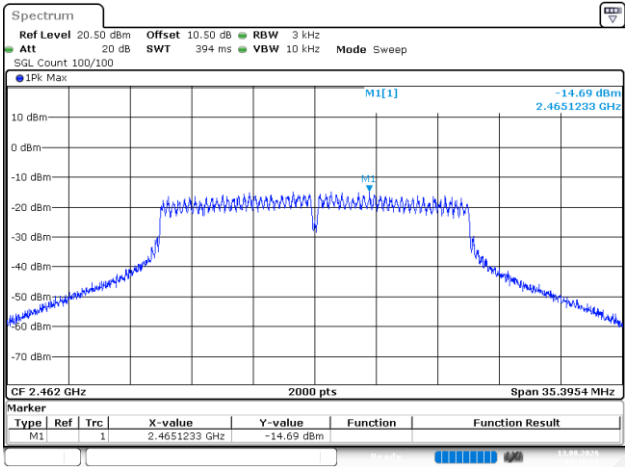
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:12:51

802.11n20_2437MHz



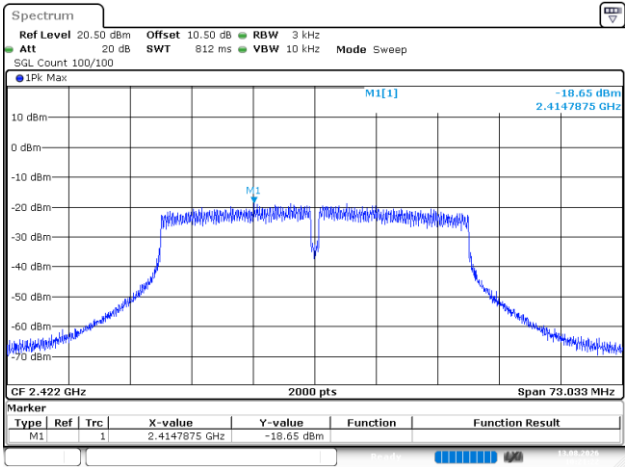
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:15:10

802.11n20_2462MHz



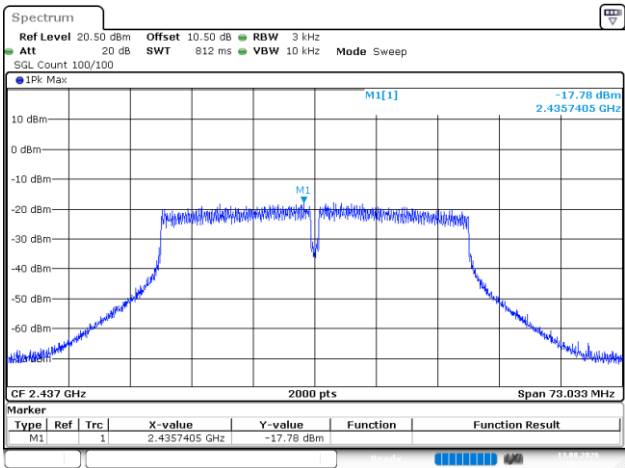
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:18:27

802.11n40_2422MHz



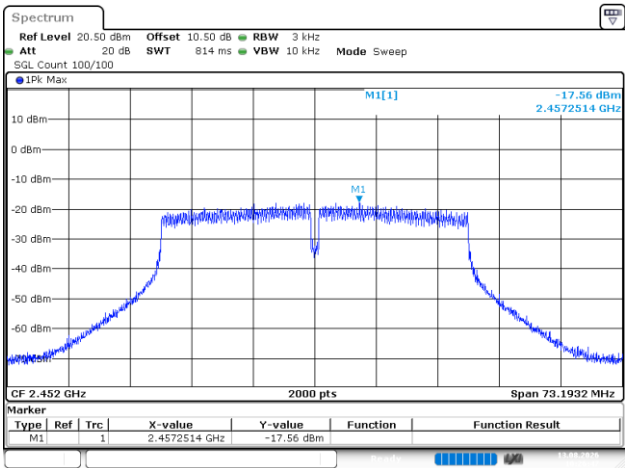
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:21:22

802.11n40_2437MHz



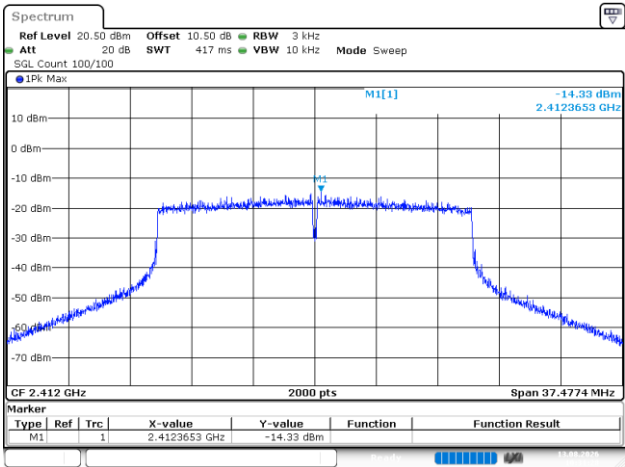
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:23:55

802.11n40_2452MHz



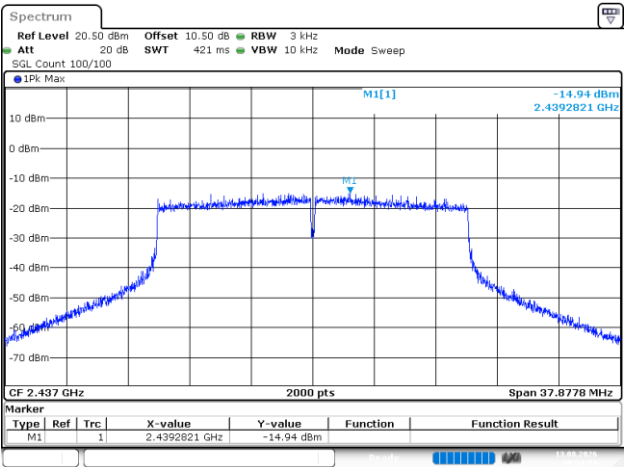
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:26:48

802.11ax20_2412MHz_RU_Full



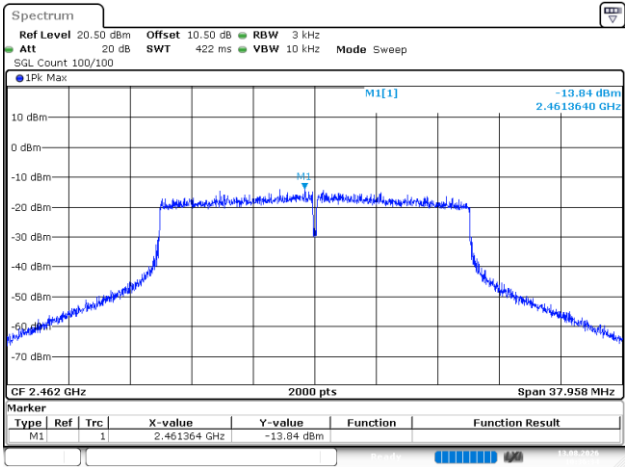
ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:31:28

802.11ax20_2437MHz_RU_Full



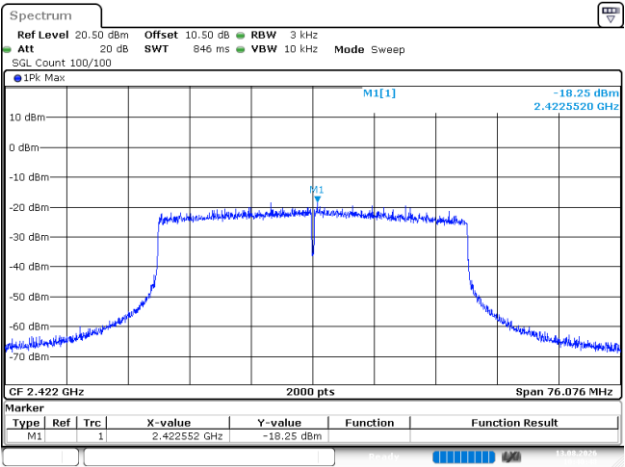
ProjectNo.:2604V72270E-RF Tester:Steve Lu
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802.11ax20_2462MHz_RU_Full



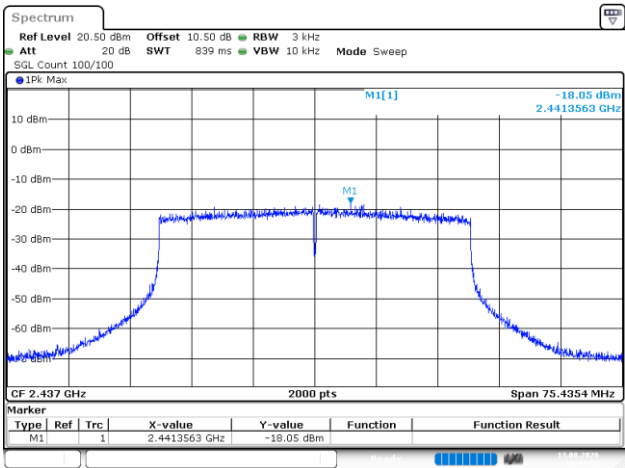
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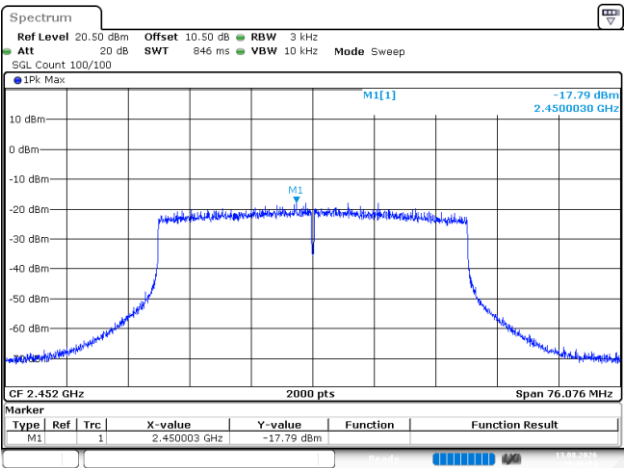
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 Date: 13.AUG.2026 10:40:49

802.11ax40_2437MHz_RU_Full



ProjectNo.:2604V72270E-RF Tester:Steve Lu
 Date: 13.AUG.2026 10:43:56

802.11ax40_2452MHz_RU_Full



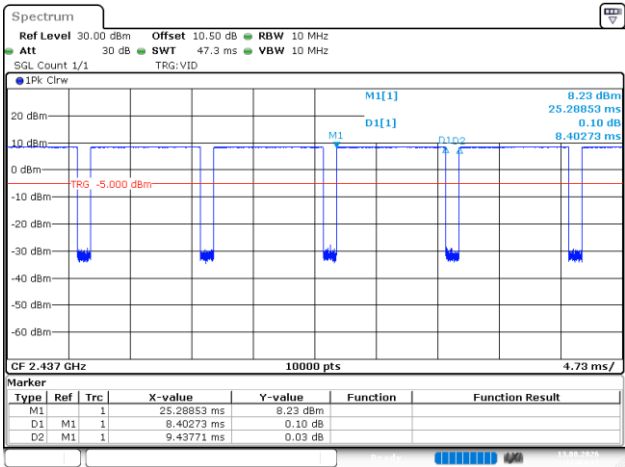
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 Date: 13.AUG.2026 10:46:54

Appendix A.3.4: 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	8.403	9.438	89.03	0.50	119	0.200
802.11g	2437	1.393	2.423	57.49	2.40	718	1
802.11n20	2437	5.085	6.117	83.13	0.80	197	0.200
802.11n40	2437	2.464	3.499	70.42	1.52	406	0.500
802.11ax20_RU_FULLL	2437	3.877	4.911	78.95	1.03	258	0.300
802.11ax40_RU_FULLL	2437	1.965	2.997	65.57	1.83	509	1

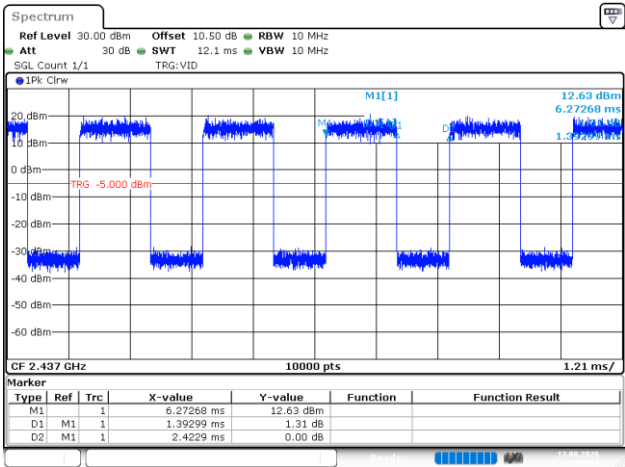
Duty Cycle = Ton/(Ton+Toff)*100%

802.11b_2437MHz



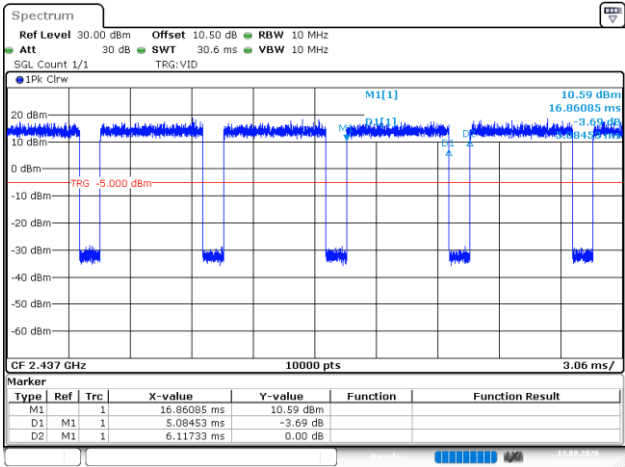
ProjectNo.:2604V72270E-RF Tester:Steve Lu
Date: 13.AUG.2026 11:04:38

802.11g_2437MHz



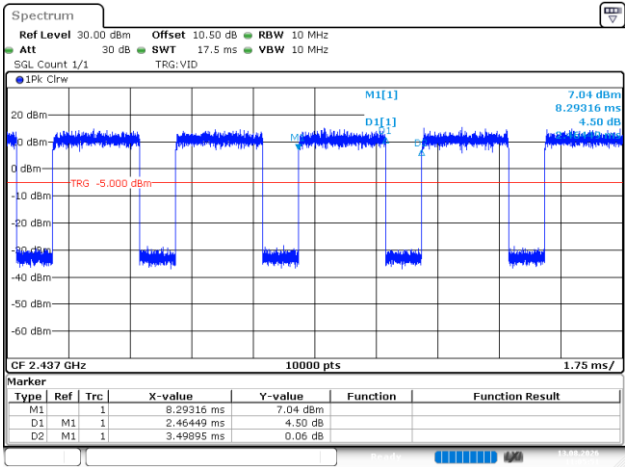
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802.11n20_2437MHz



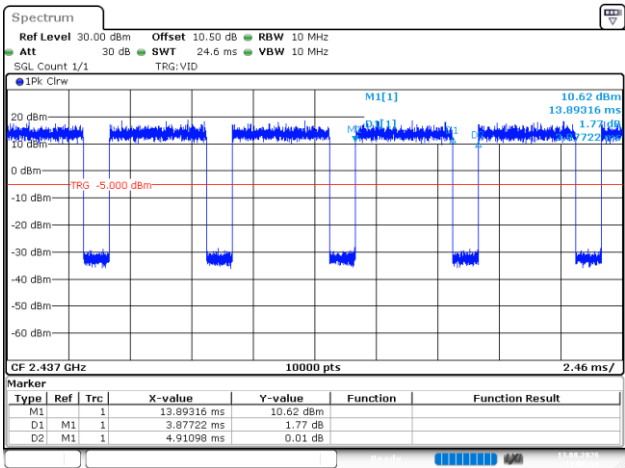
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Date: 13.AUG.2026 11:05:33

802.11n40_2437MHz



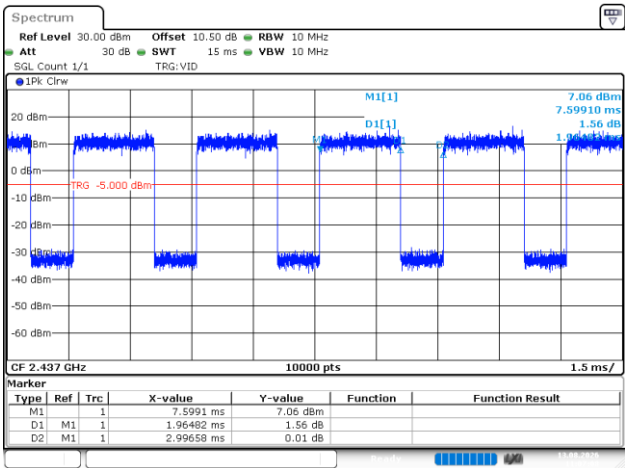
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Date: 13.AUG.2026 11:05:52

802.11ax20_2437MHz_RU_FULL



ProjectNo.:2604V72270E-RF Tester:Steve Lu
Date: 13.AUG.2026 11:06:57

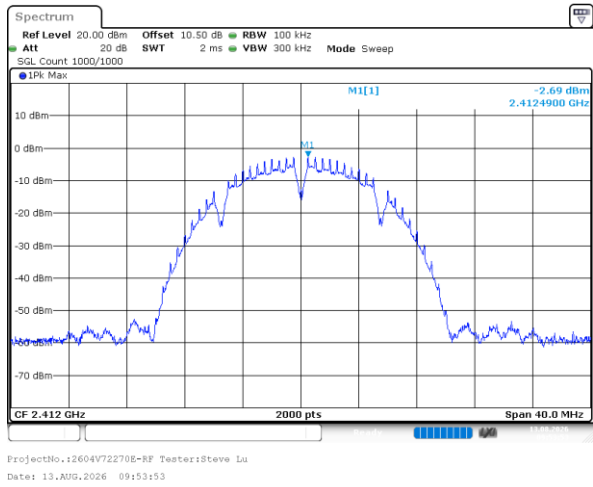
802.11ax40_2437MHz_RU_FULL



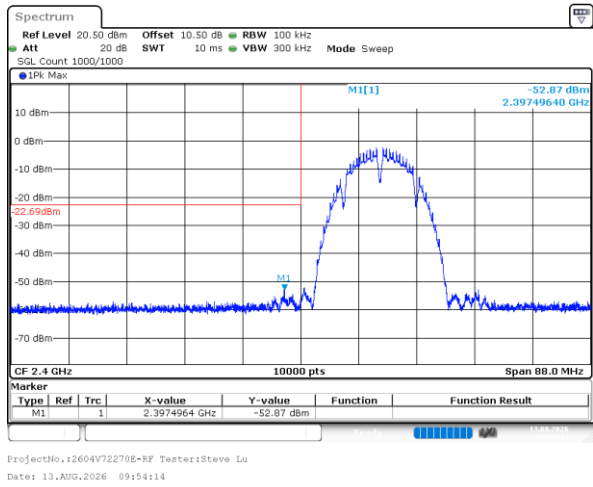
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Date: 13.AUG.2026 11:07:09

Appendix A.3.5: Conducted Spurious Emission

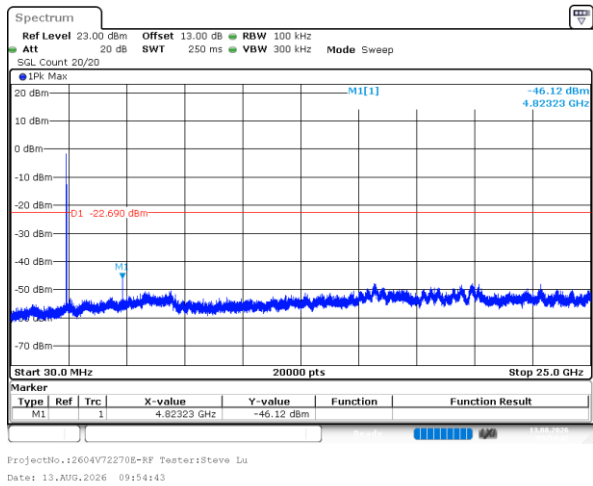
802.11b_2412MHz



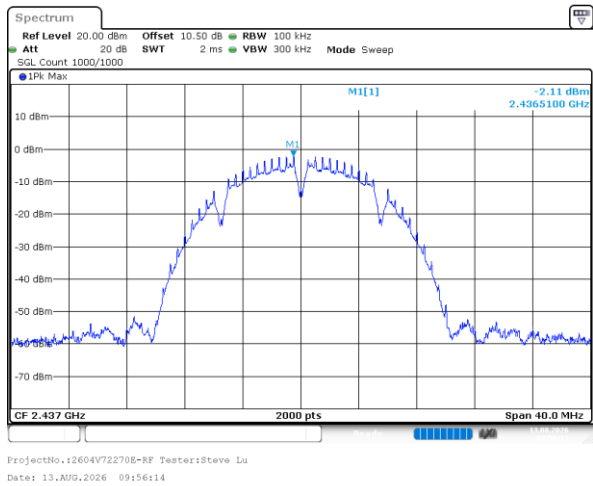
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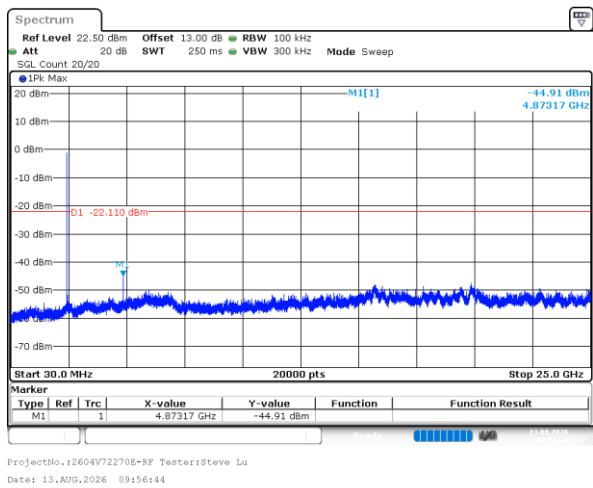
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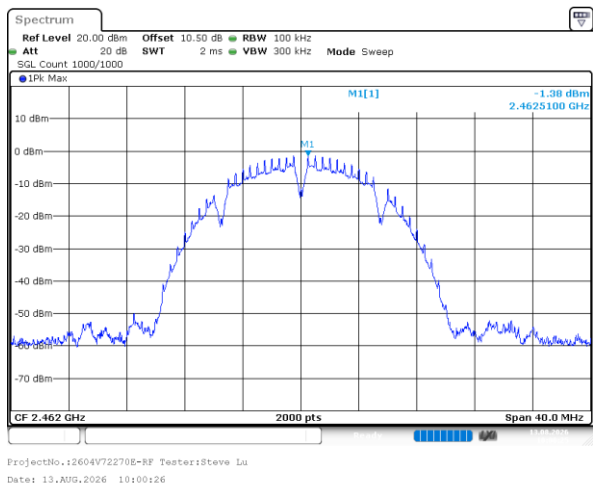
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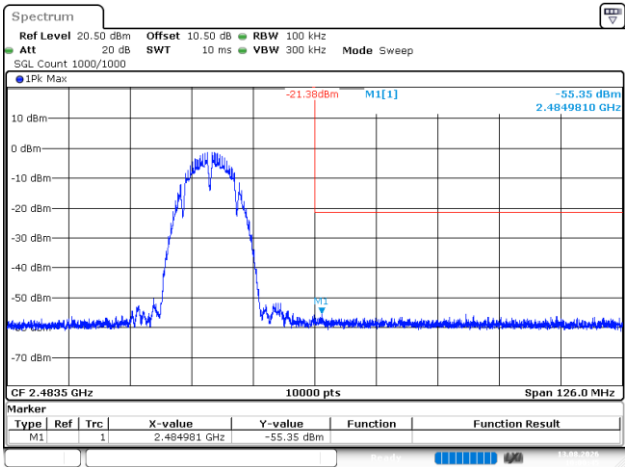
802.11b_2437MHz



802.11b_2462MHz

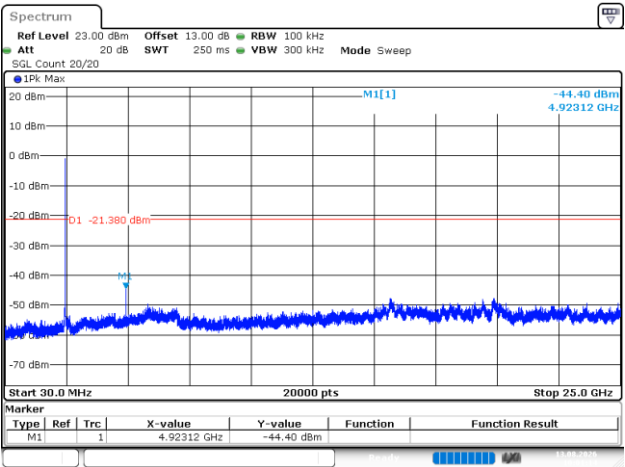


802.11b_2462MHz



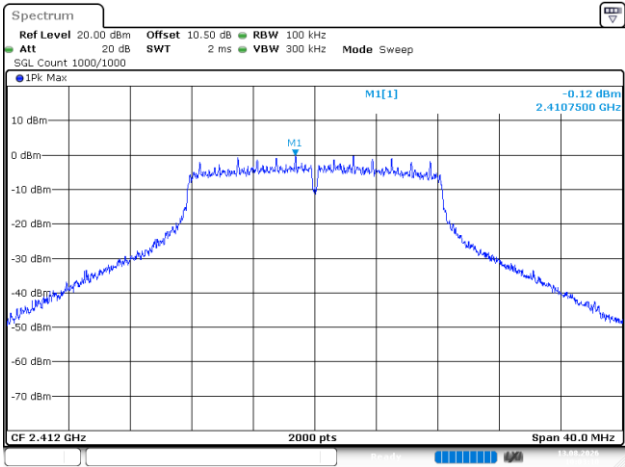
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802.11b_2462MHz



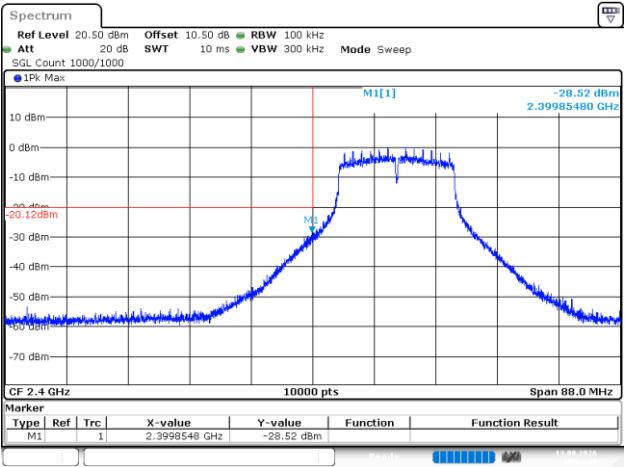
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 Date: 13.AUG.2026 10:01:15

802.11g_2412MHz



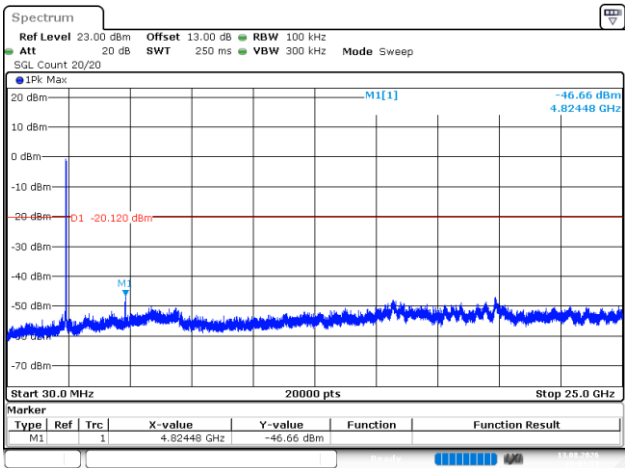
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802.11g_2412MHz



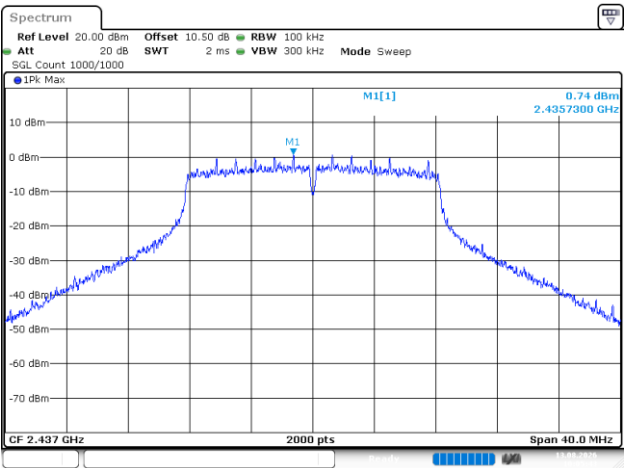
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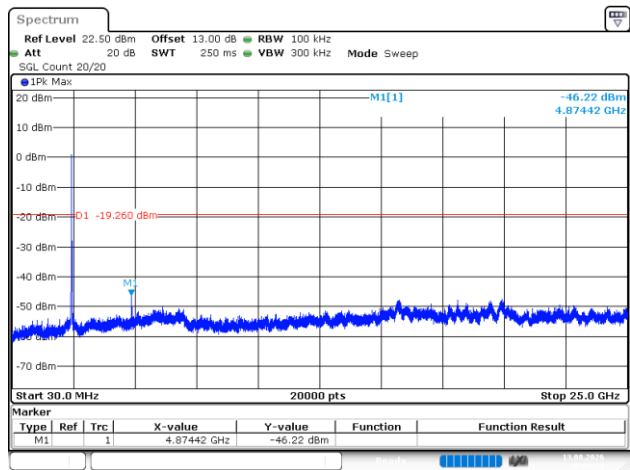
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802.11g_2437MHz



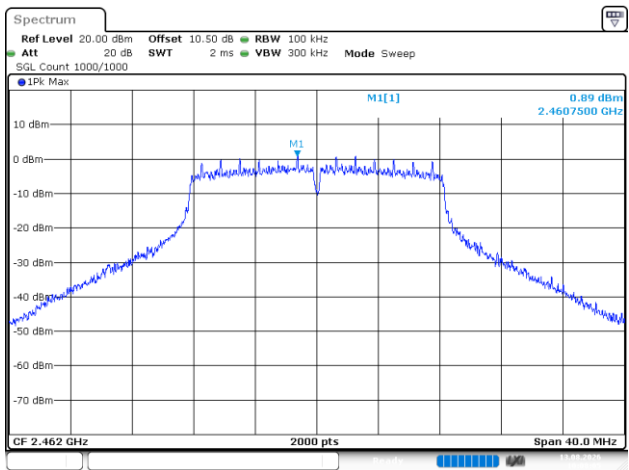
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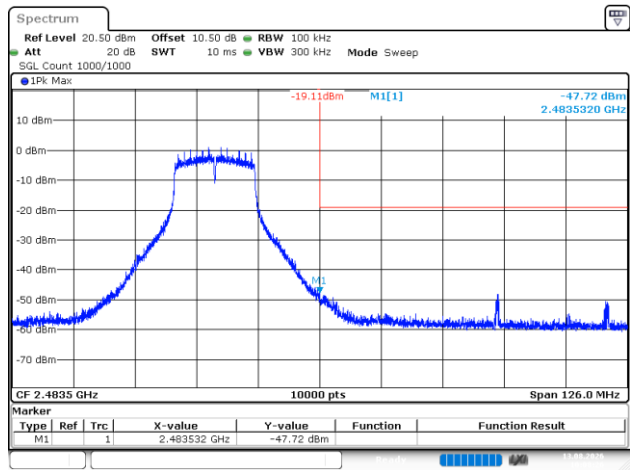
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802.11g_2462MHz



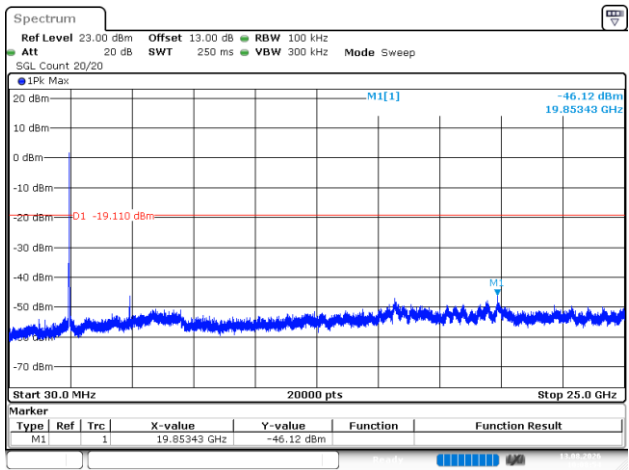
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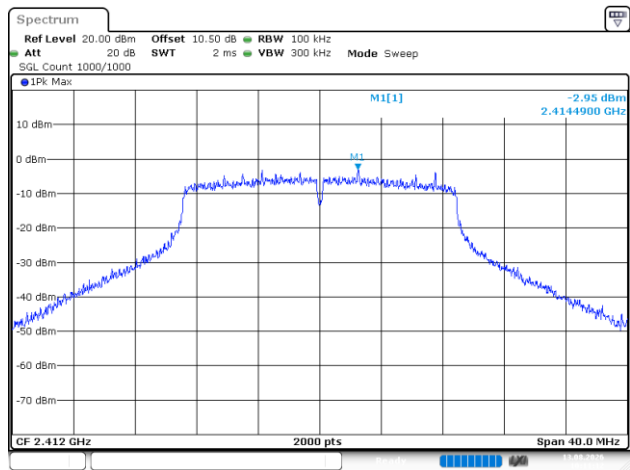
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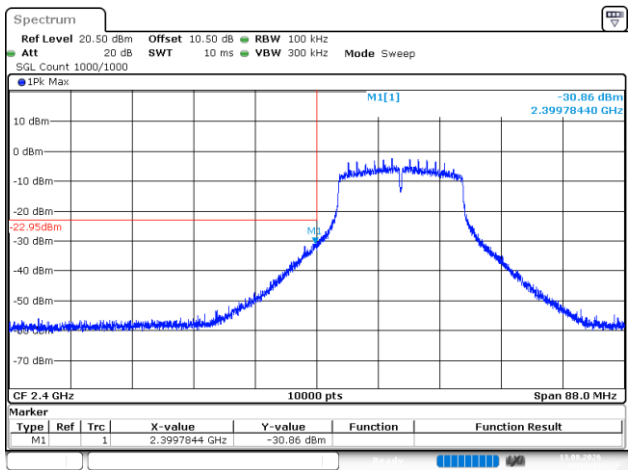
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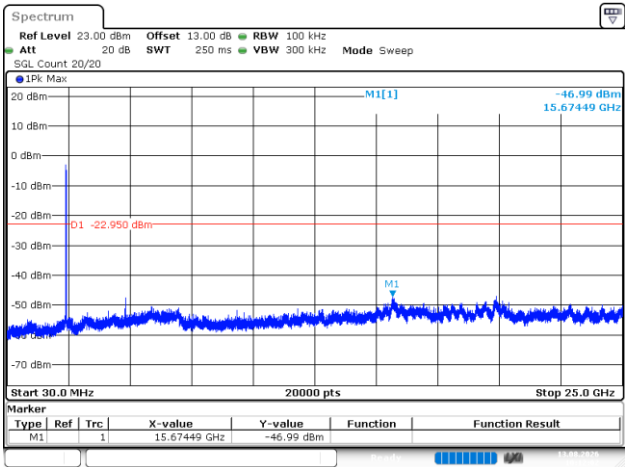
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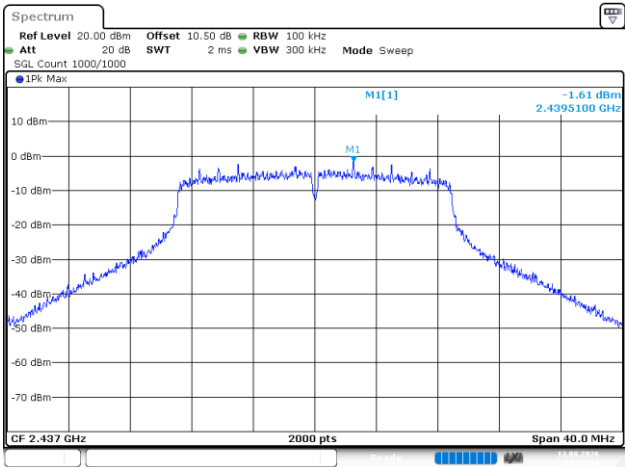
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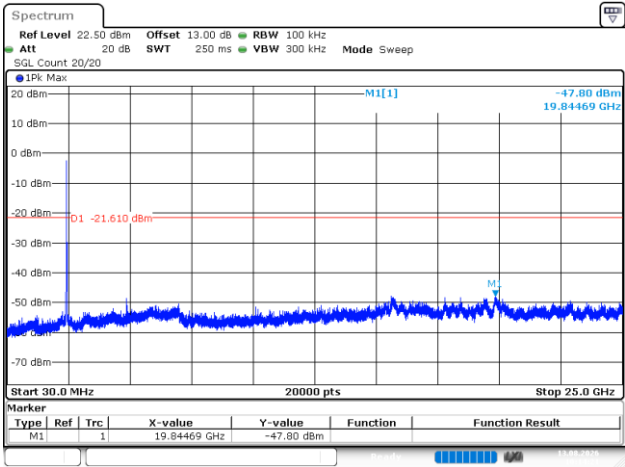
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802.11n20_2437MHz



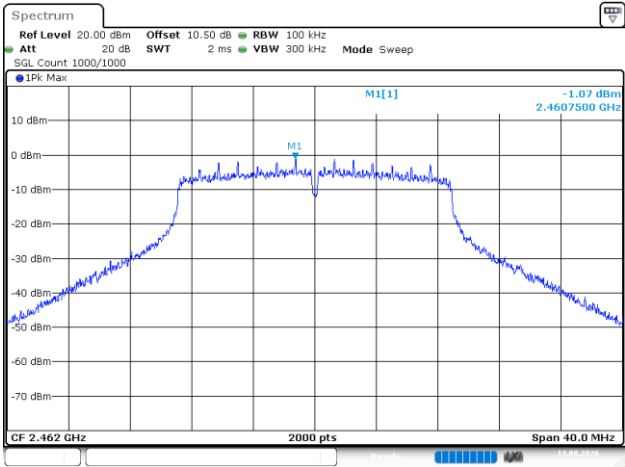
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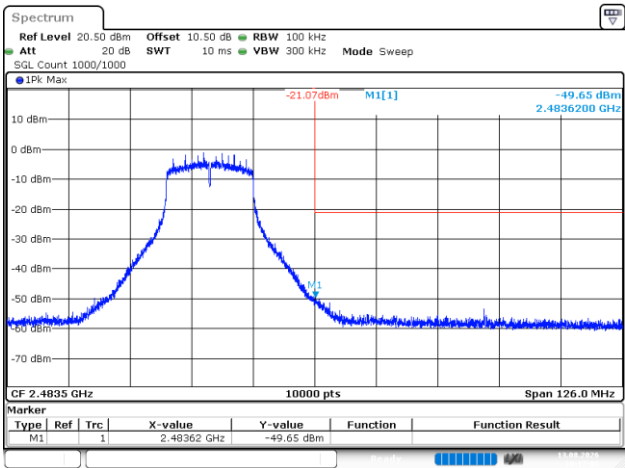
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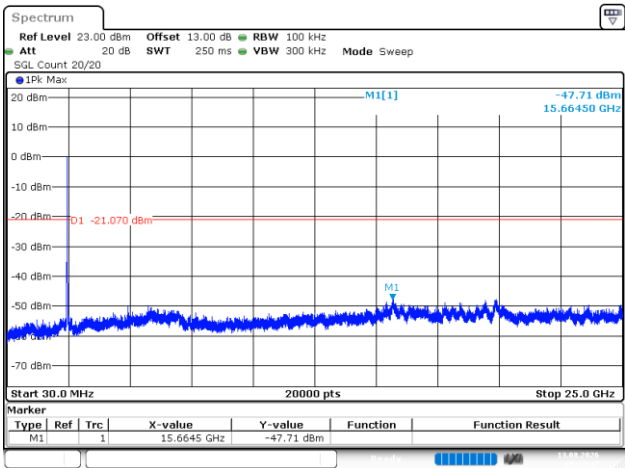
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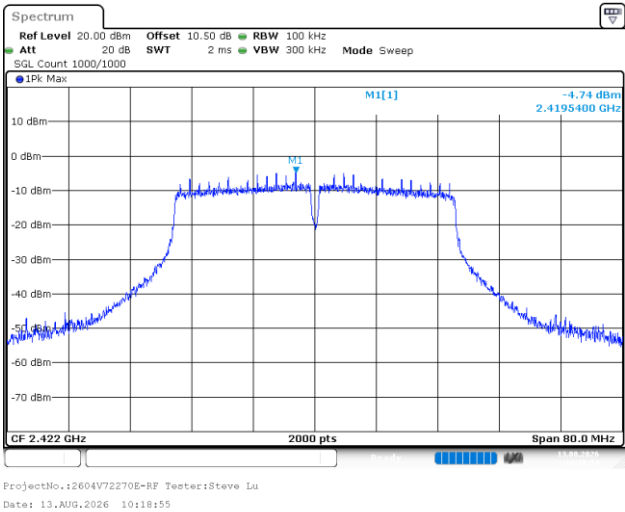
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802.11n20_2462MHz

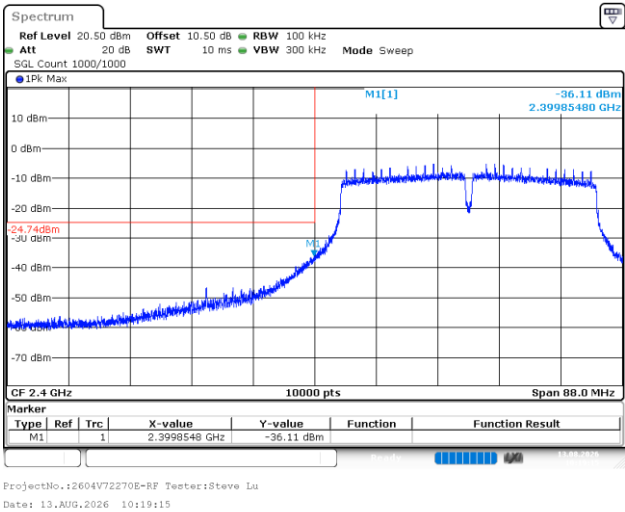


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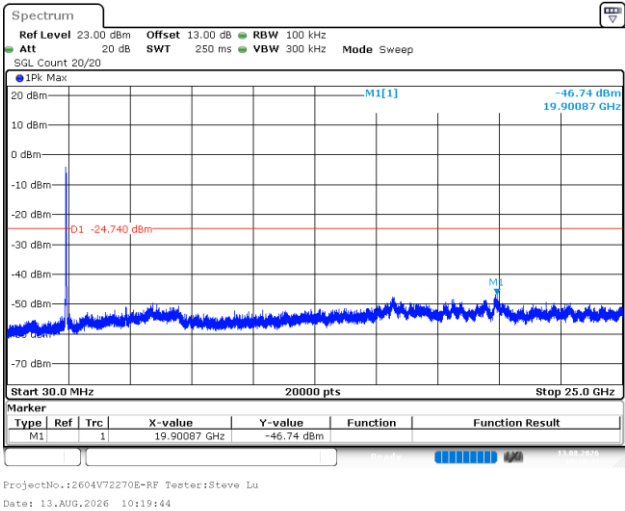
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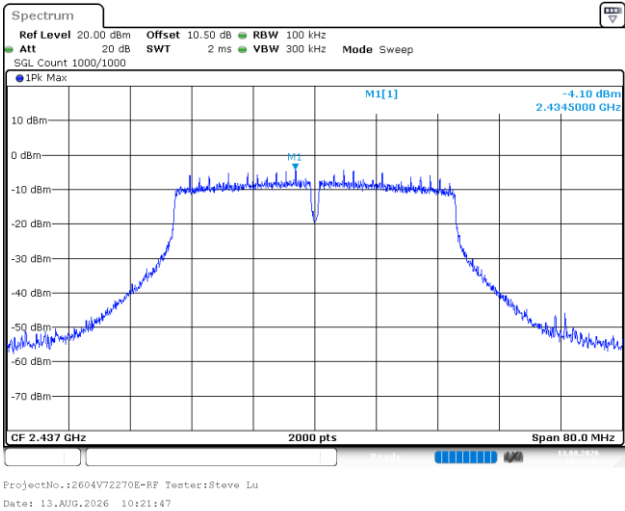
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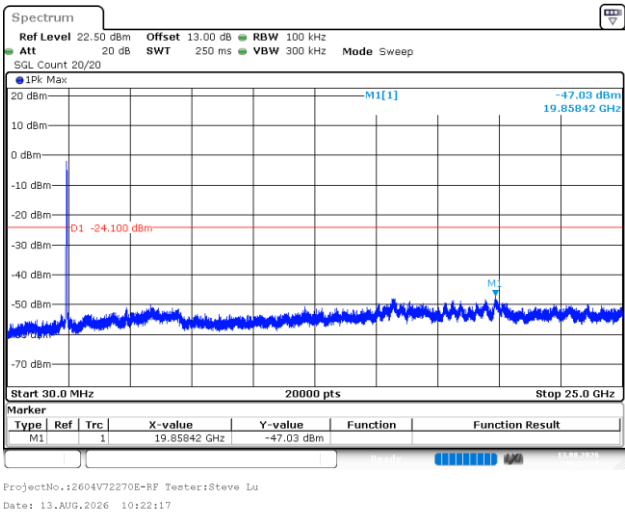
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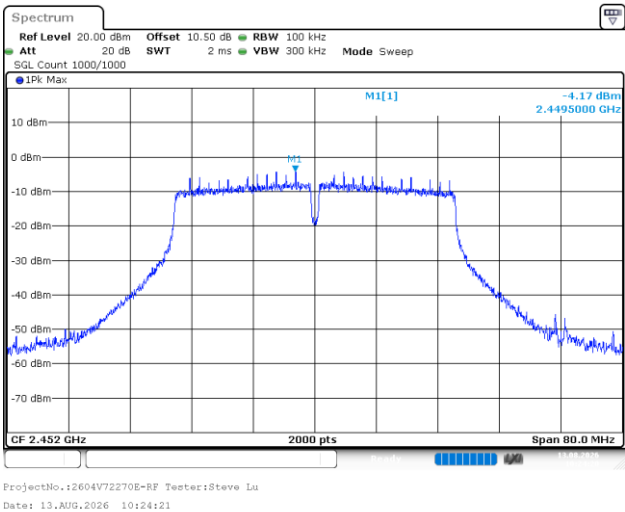
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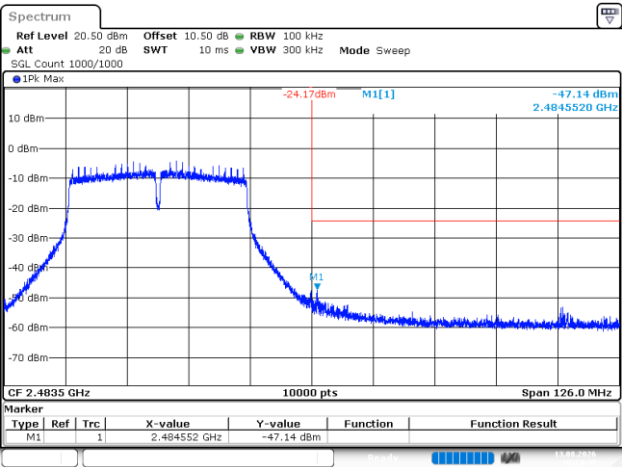
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802.11n40_2452MHz

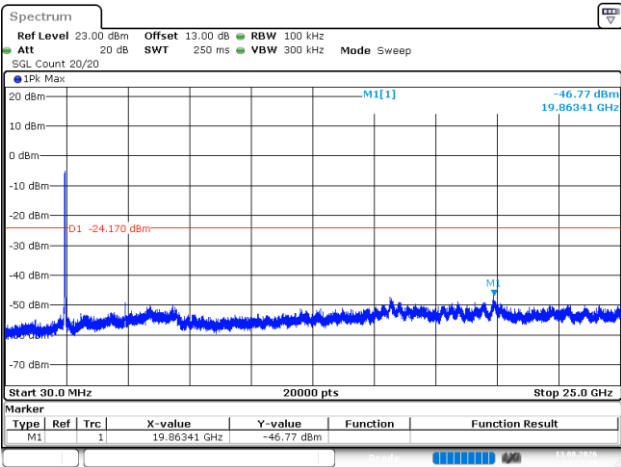


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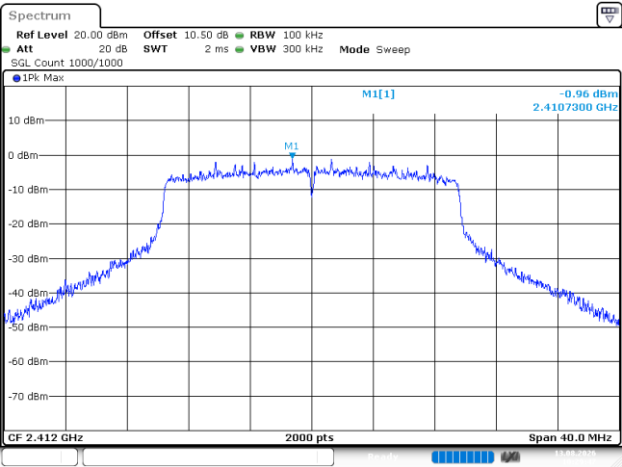
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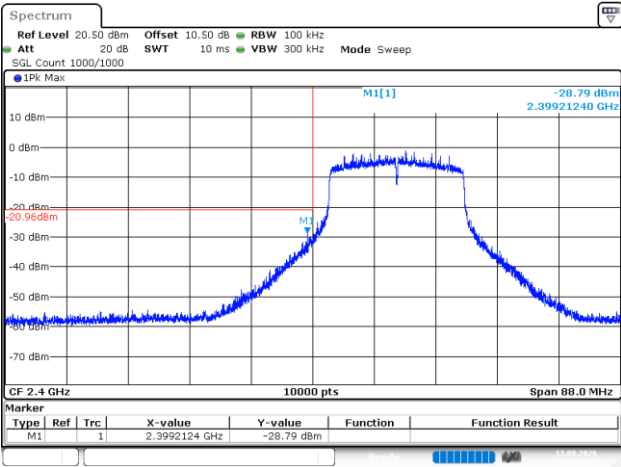
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 Date: 13.AUG.2026 10:25:10

802.11ax20_2412MHz_RU_Full



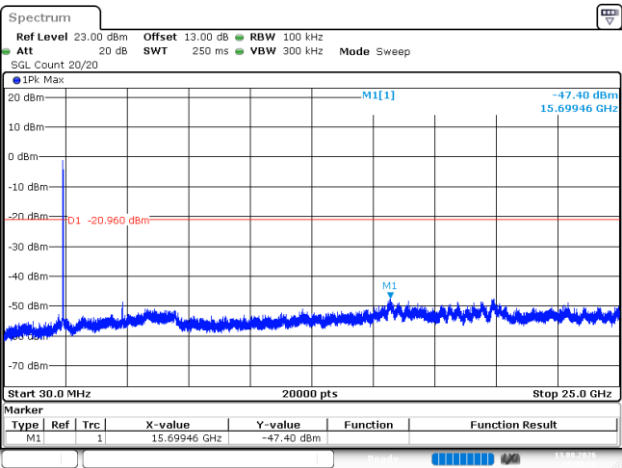
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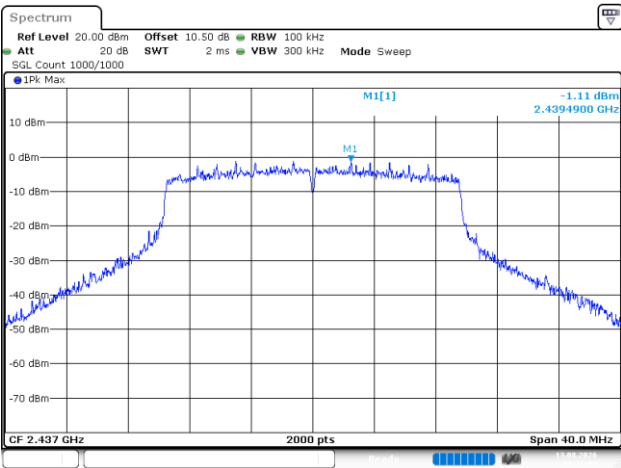
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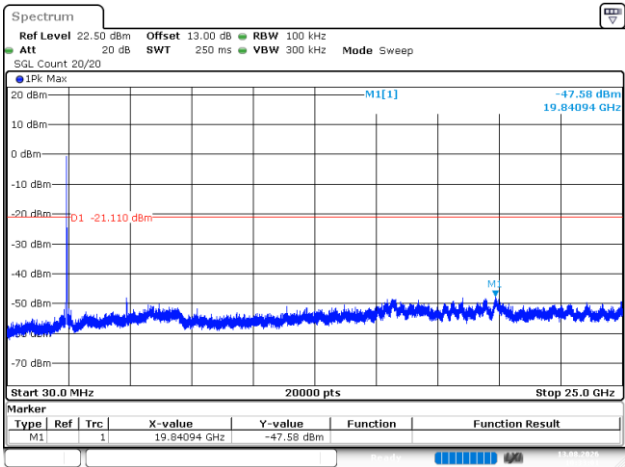
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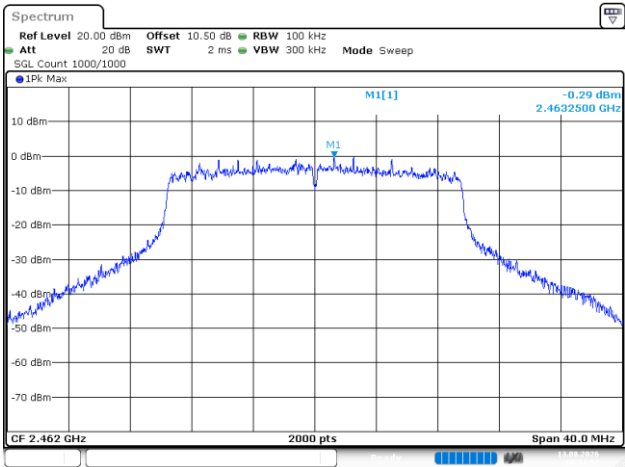
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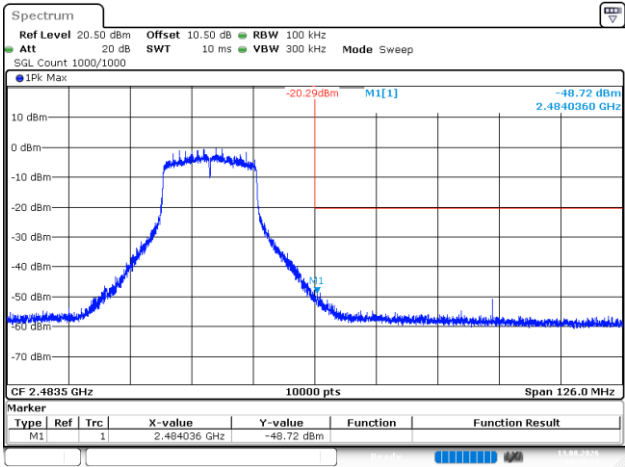
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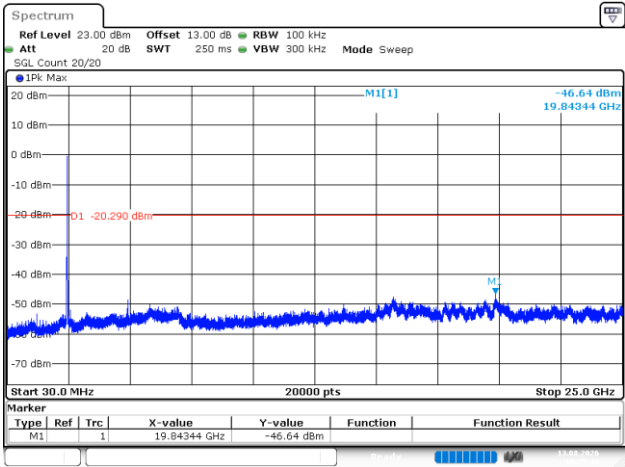
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802.11ax20_2462MHz_RU_Full



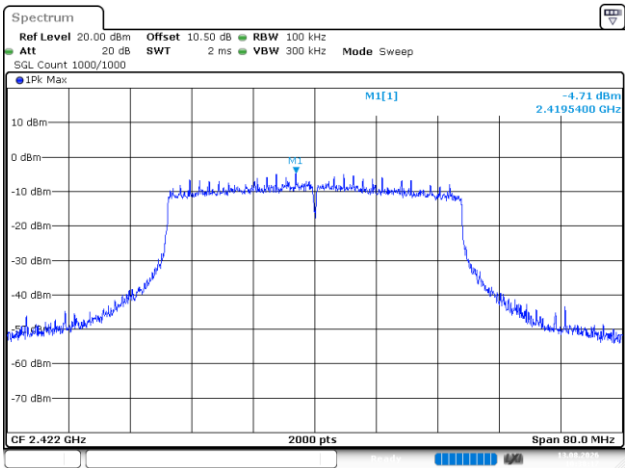
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802.11ax20_2462MHz_RU_Full



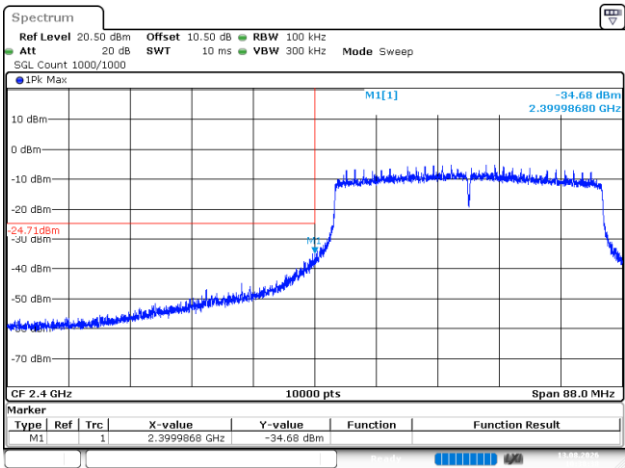
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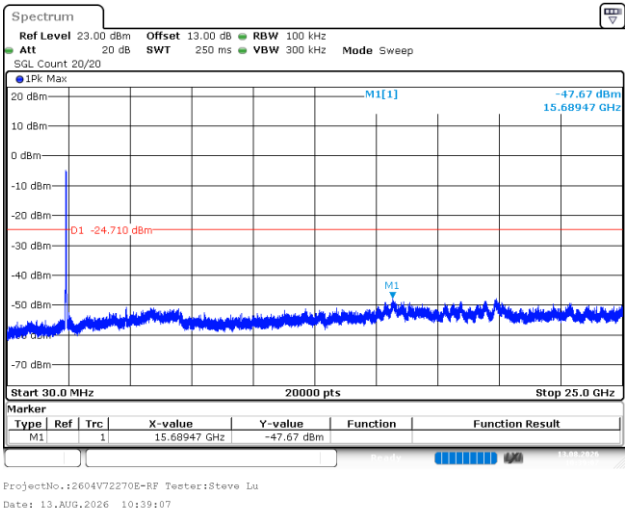
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802.11ax40_2422MHz_RU_Full

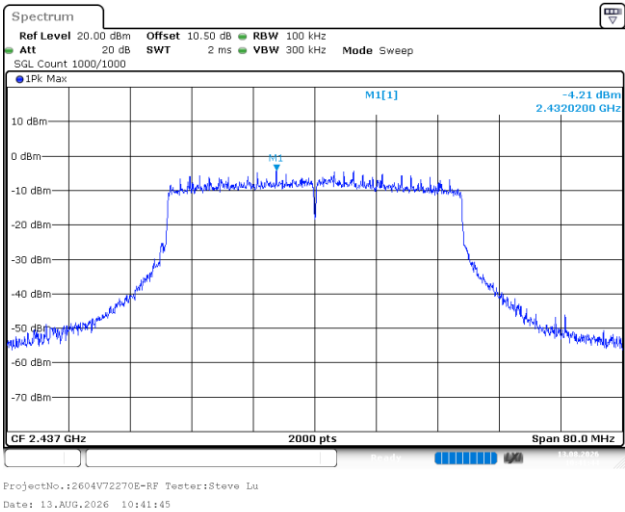


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 Date: 13.AUG.2026 10:38:39

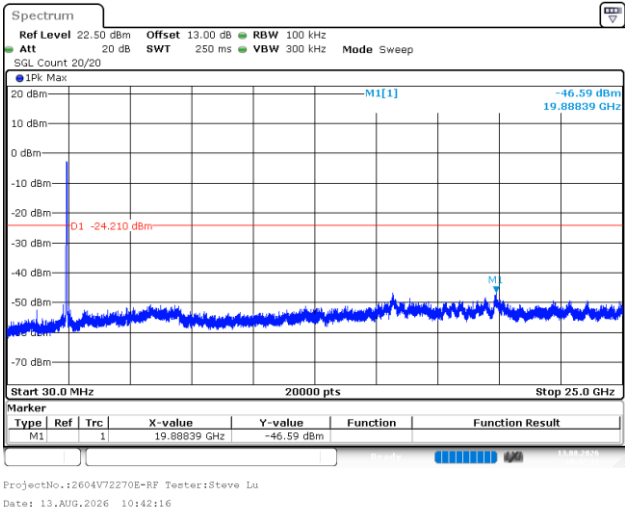
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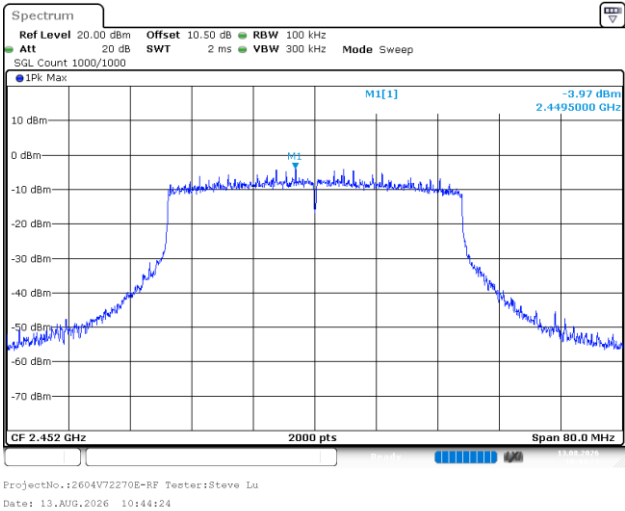
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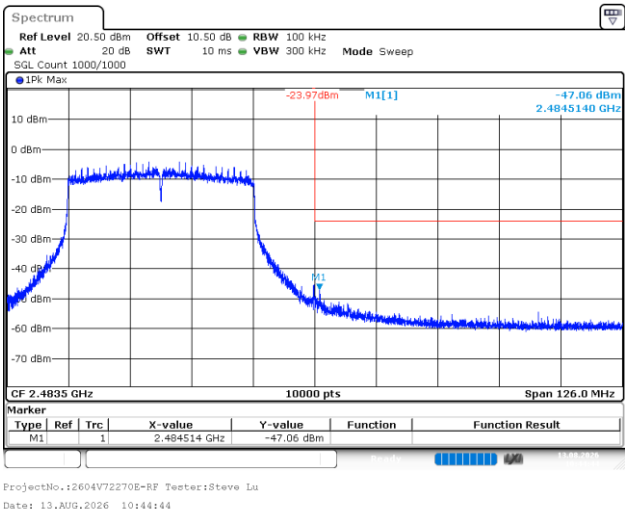
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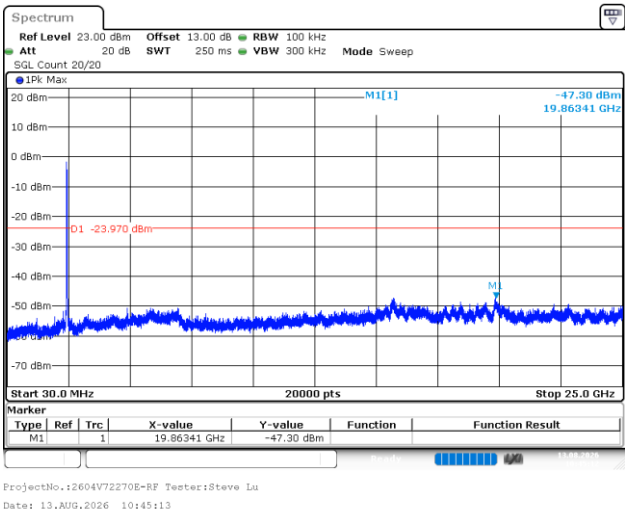
802.11ax40_2452MHz_RU_Full



802.11ax40_2452MHz_RU_Full



802.11ax40_2452MHz_RU_Full



***** END *****