

Appendix C.2(2.4G WIFI-RF Conducted Test Result)

6dB Emission Bandwidth

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

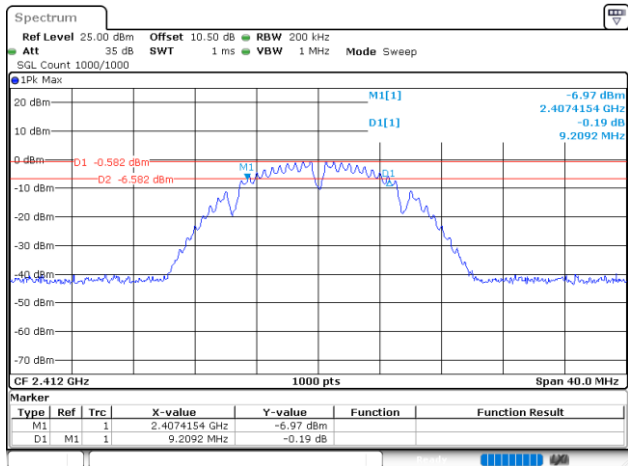
Environmental Conditions:

Temperature: (°C)	25.3~26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

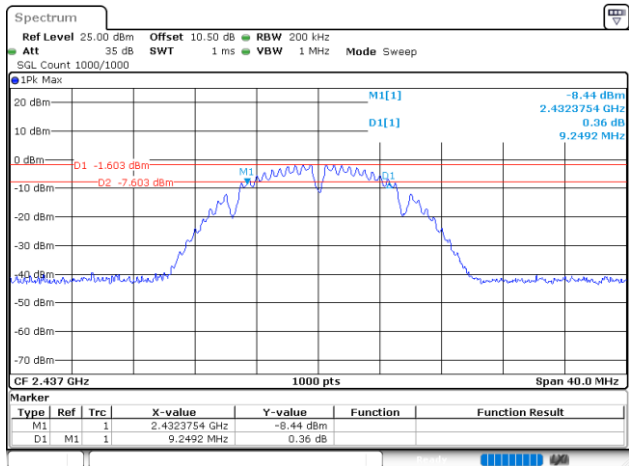
Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	9.209	≥0.5	Pass
	2437	9.249	≥0.5	Pass
	2462	9.249	≥0.5	Pass
802.11g	2412	16.376	≥0.5	Pass
	2437	16.376	≥0.5	Pass
	2462	16.216	≥0.5	Pass
802.11n20	2412	17.618	≥0.5	Pass
	2437	17.578	≥0.5	Pass
	2462	17.658	≥0.5	Pass
802.11n40	2422	36.356	≥0.5	Pass
	2437	36.356	≥0.5	Pass
	2452	36.356	≥0.5	Pass
802.11ax20_RU_Full	2412	19.059	≥0.5	Pass
	2437	19.019	≥0.5	Pass
	2462	18.899	≥0.5	Pass
802.11ax40_RU_Full	2422	37.638	≥0.5	Pass
	2437	37.317	≥0.5	Pass
	2452	37.317	≥0.5	Pass

802.11b_2412MHz



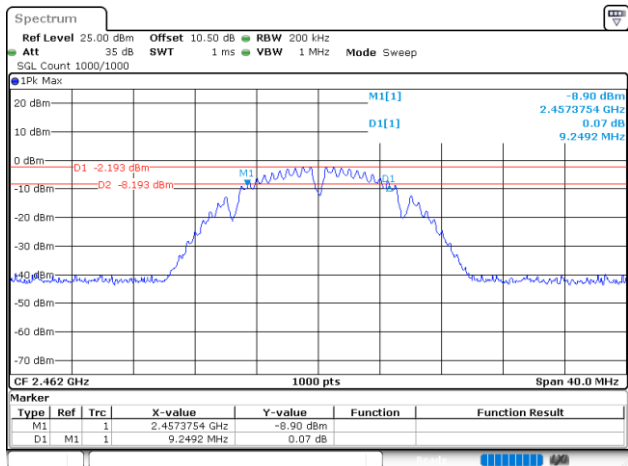
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:26:03

802.11b_2437MHz



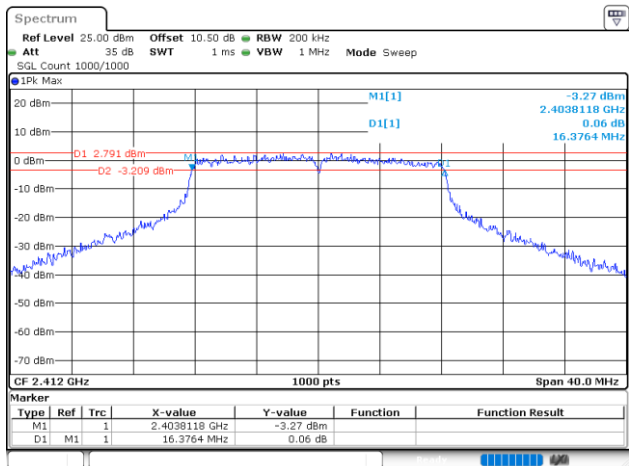
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:27:35

802.11b_2462MHz



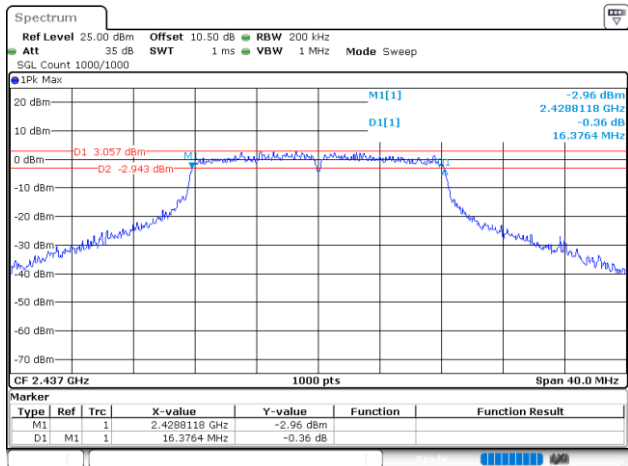
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:28:55

802.11g_2412MHz



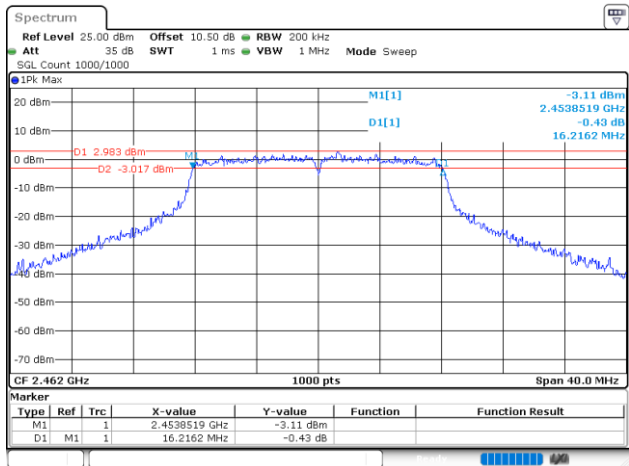
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:43:26

802.11g_2437MHz



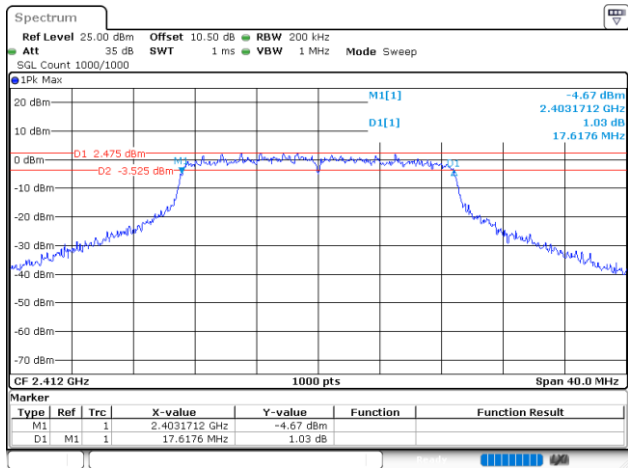
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:45:28

802.11g_2462MHz



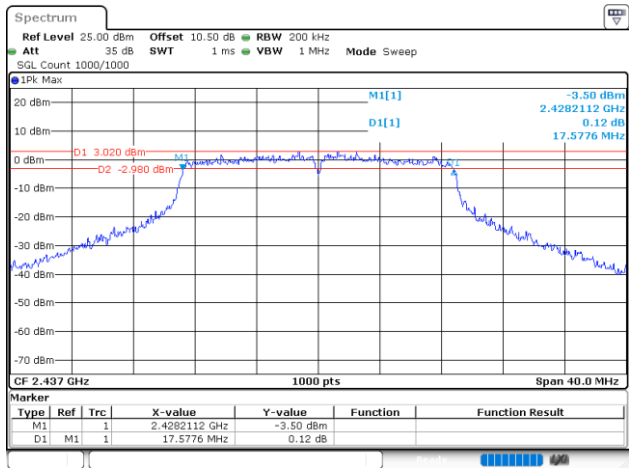
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:47:06

802.11n20_2412MHz



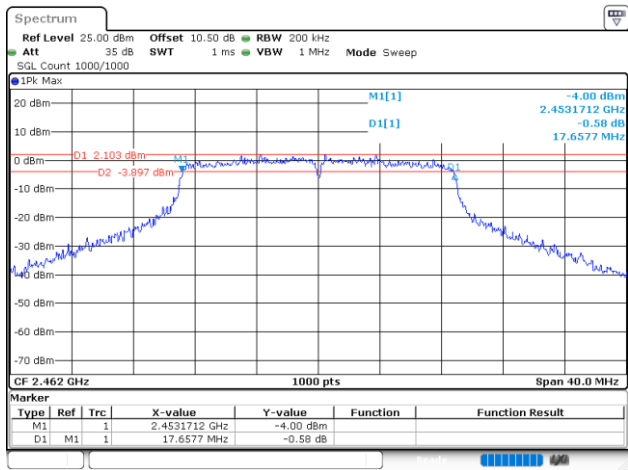
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Date: 9.JUN.2025 10:49:06

802.11n20_2437MHz



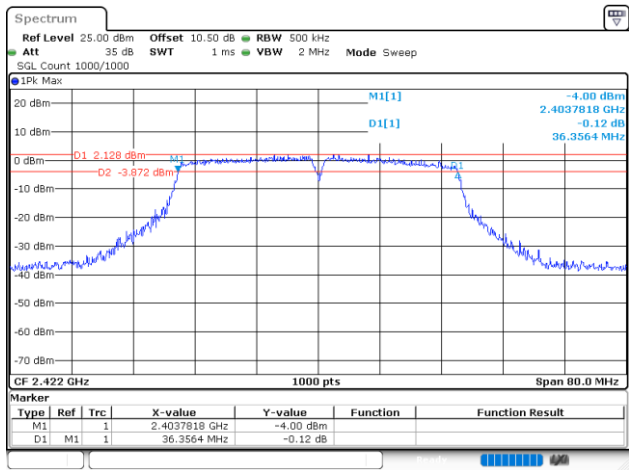
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:50:58

802.11n20_2462MHz



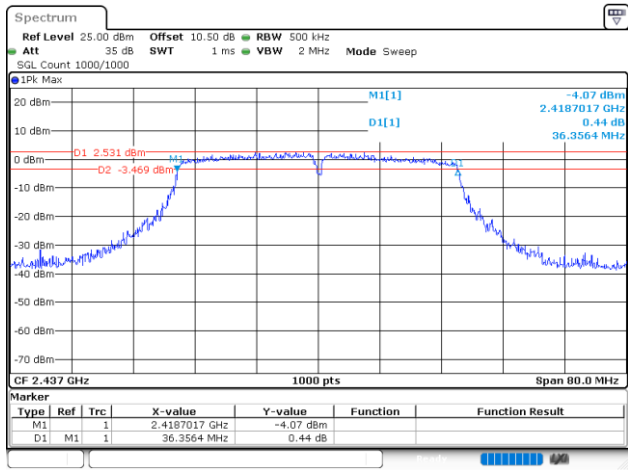
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:57:06

802.11n40_2422MHz



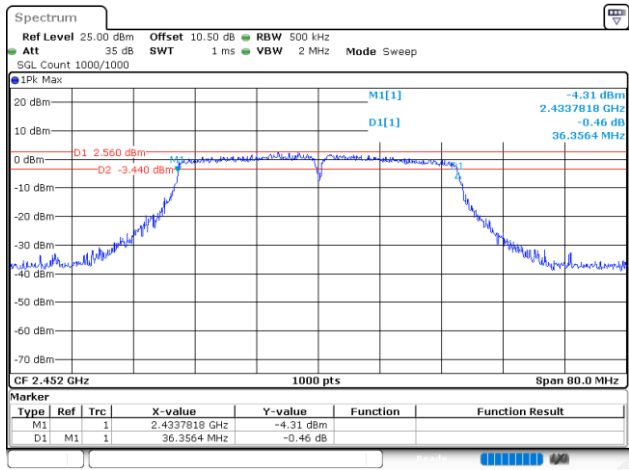
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:30:25

802.11n40_2437MHz



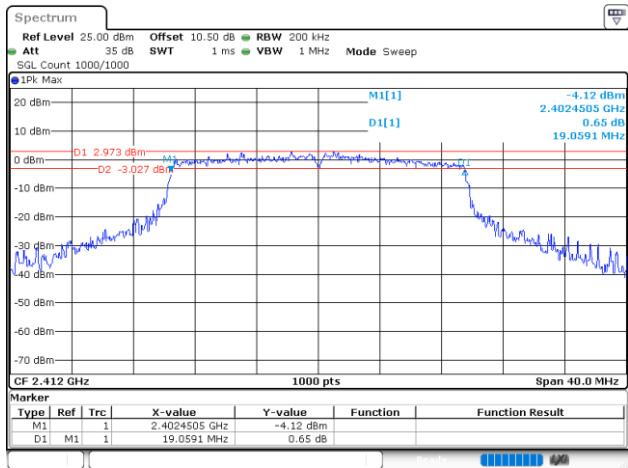
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:32:46

802.11n40_2452MHz



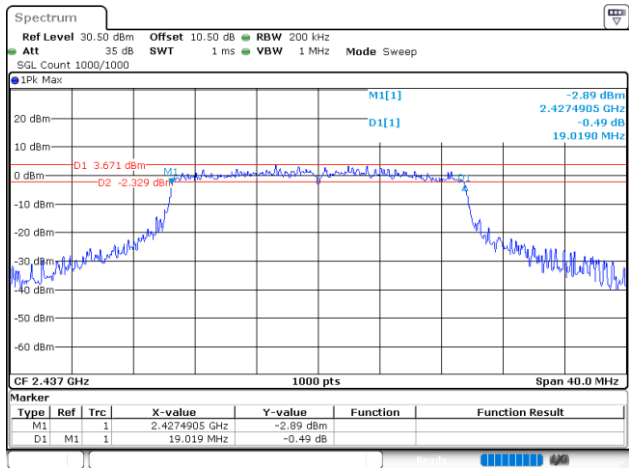
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Date: 13.JUN.2025 15:35:12

802.11ax20_2412MHz_RU_Full



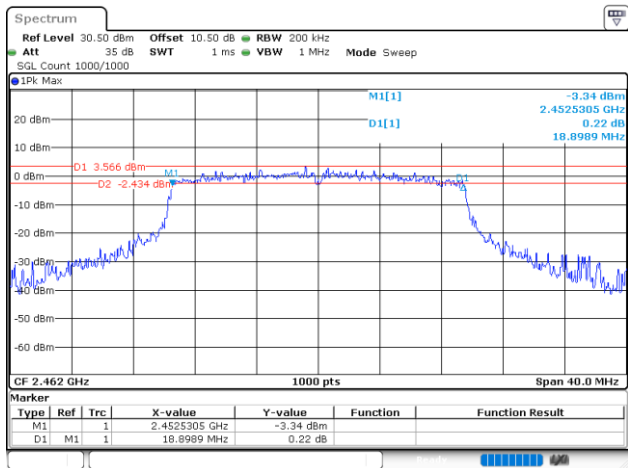
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 11:06:14

802.11ax20_2437MHz_RU_Full



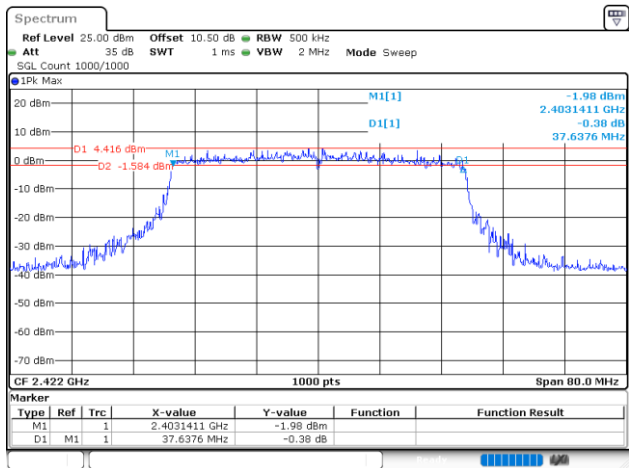
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Date: 9.JUN.2025 11:09:59

802.11ax20_2462MHz_RU_Full



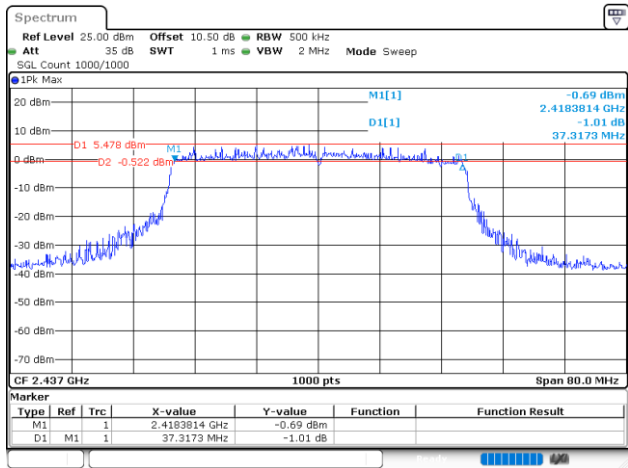
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Date: 9.JUN.2025 11:11:36

802.11ax40_2422MHz_RU_Full



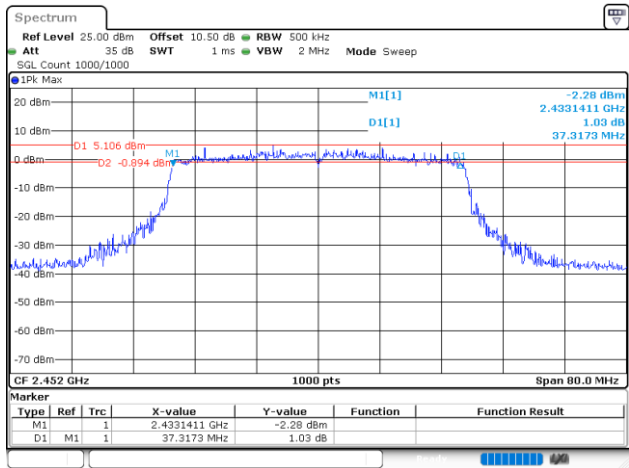
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:37:51

802.11ax40_2437MHz_RU_Full



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:40:21

802.11ax40_2452MHz_RU_Full



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:42:50

99% Occupied Bandwidth

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	/

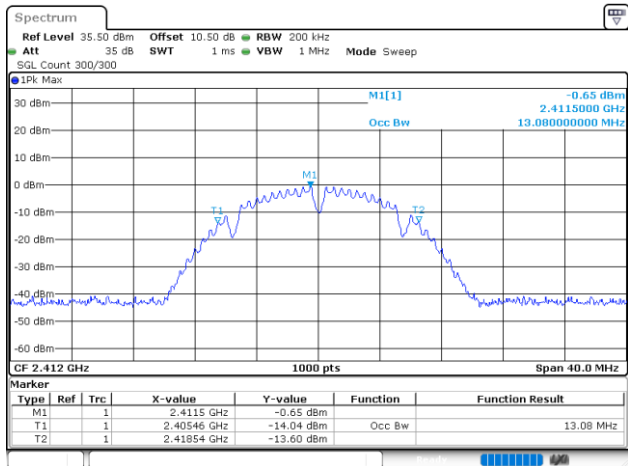
Environmental Conditions:

Temperature: (°C)	25.3~26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

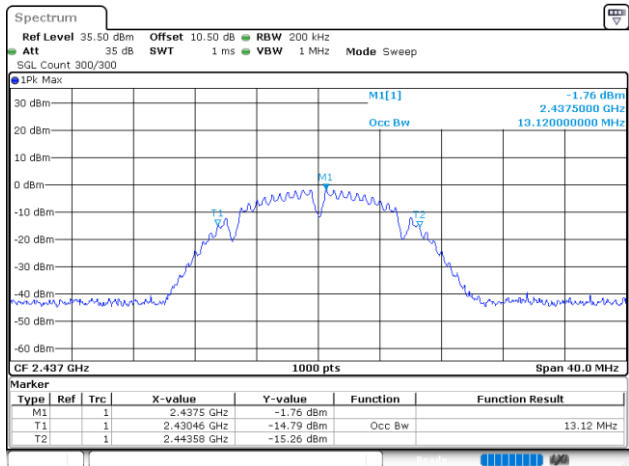
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	13.080
	2437	13.120
	2462	13.120
802.11g	2412	16.560
	2437	16.680
	2462	16.600
802.11n20	2412	17.760
	2437	17.800
	2462	17.840
802.11n40	2422	36.320
	2437	36.320
	2452	36.400
802.11ax20_RU_Full	2412	19.040
	2437	18.960
	2462	19.040
802.11ax40_RU_Full	2422	37.680
	2437	37.840
	2452	37.680

802.11b_2412MHz



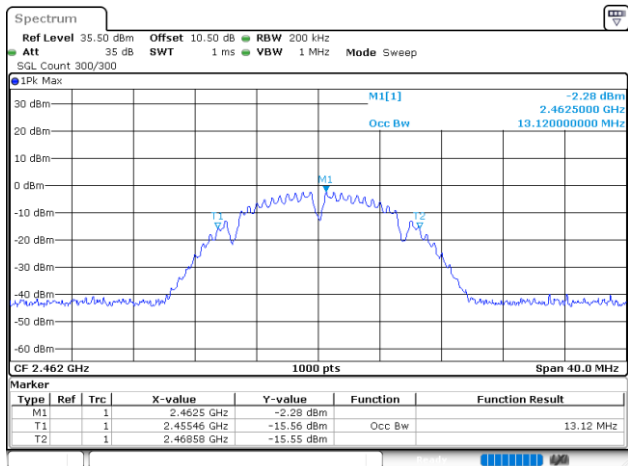
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:25:38

802.11b_2437MHz



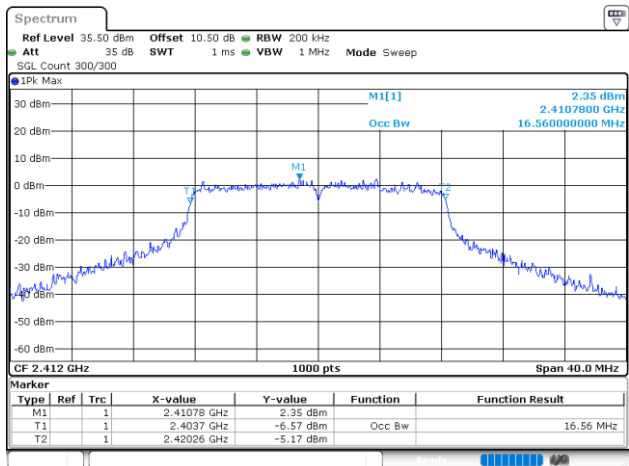
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:27:14

802.11b_2462MHz



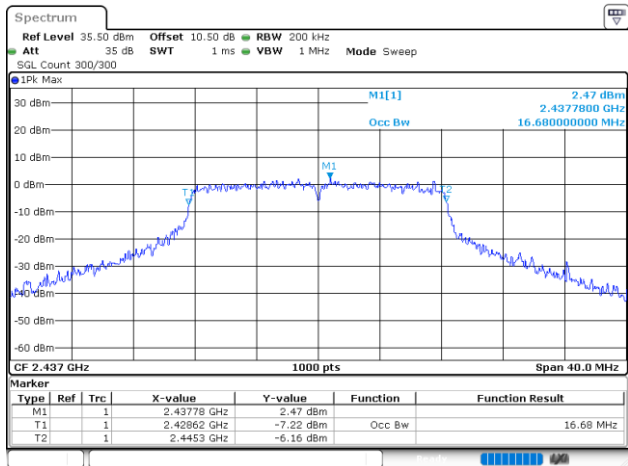
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:28:34

802.11g_2412MHz



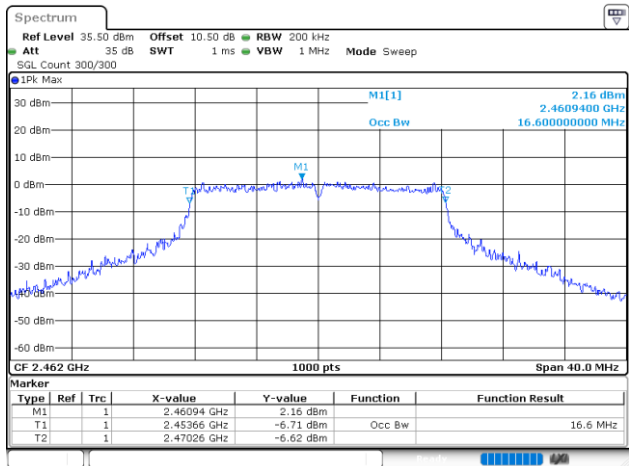
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:43:01

802.11g_2437MHz



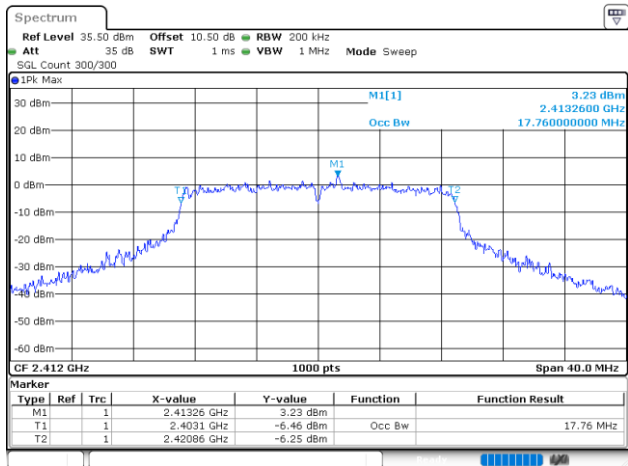
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Date: 9.JUN.2025 10:45:07

802.11g_2462MHz



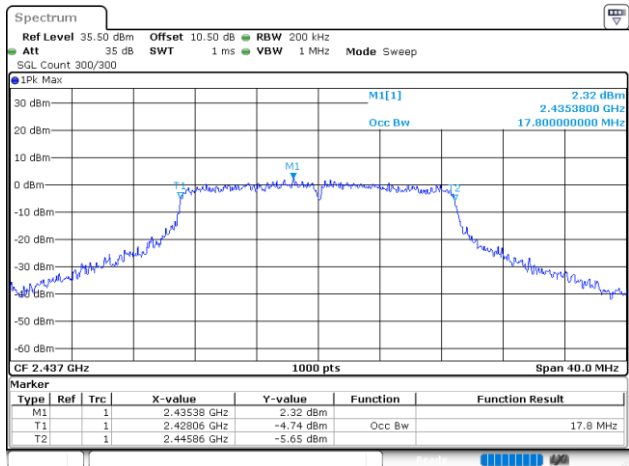
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:46:44

802.11n20_2412MHz



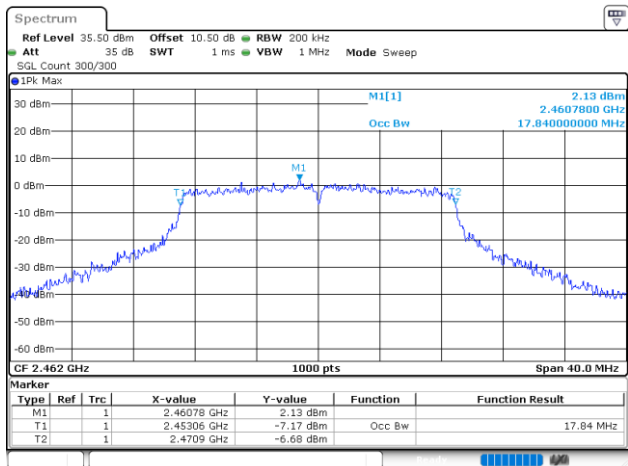
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:48:41

802.11n20_2437MHz



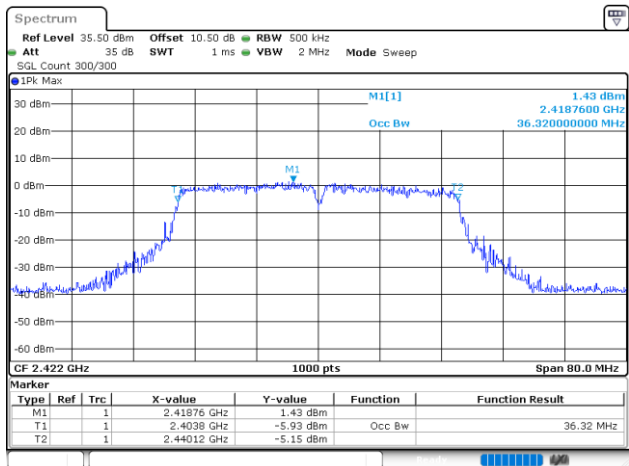
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:50:38

802.11n20_2462MHz



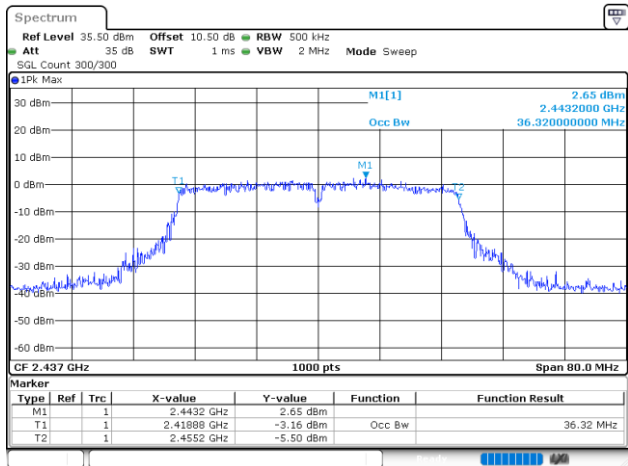
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:56:44

802.11n40_2422MHz



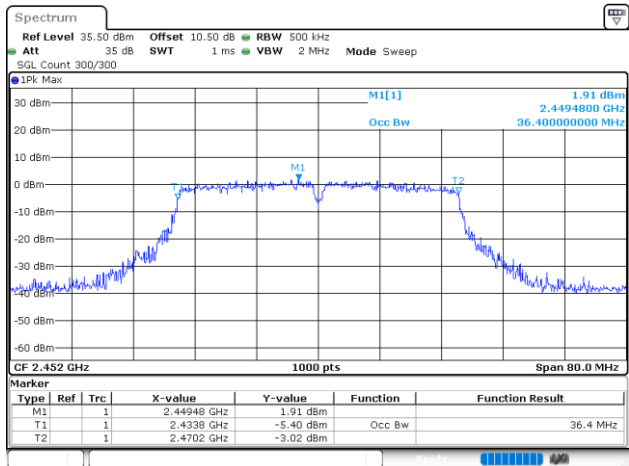
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Date: 13.JUN.2025 15:30:18

802.11n40_2437MHz



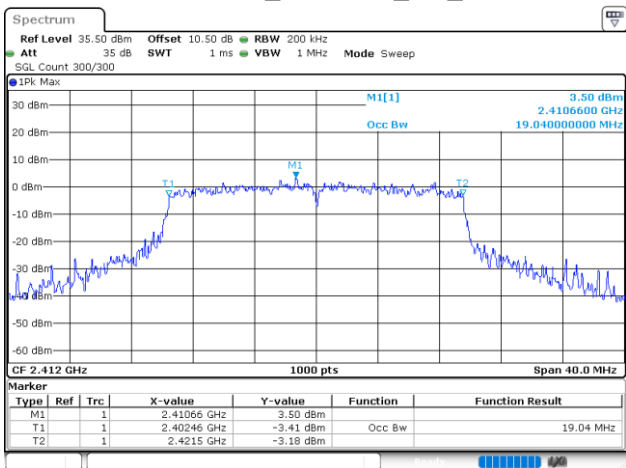
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:32:38

802.11n40_2452MHz



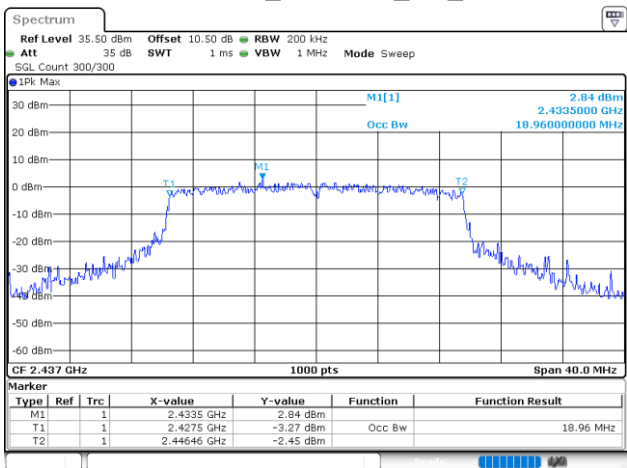
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:35:04

802.11ax20_2412MHz_RU_Full



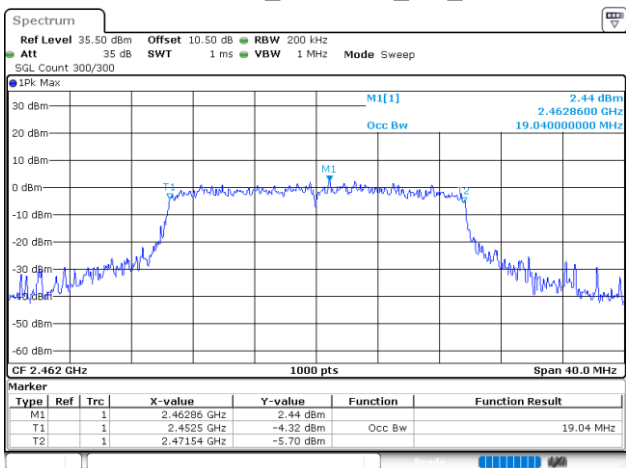
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 11:05:50

802.11ax20_2437MHz_RU_Full



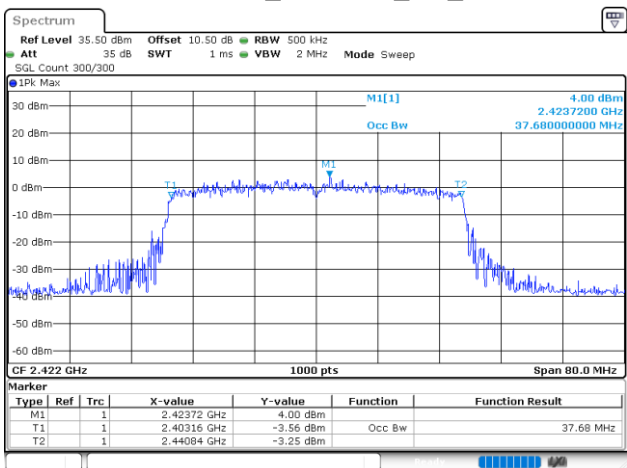
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 11:09:38

802.11ax20_2462MHz_RU_Full



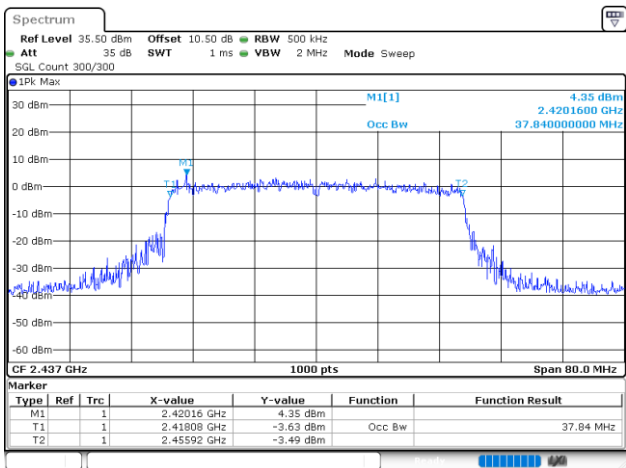
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 11:11:16

802.11ax40_2422MHz_RU_Full



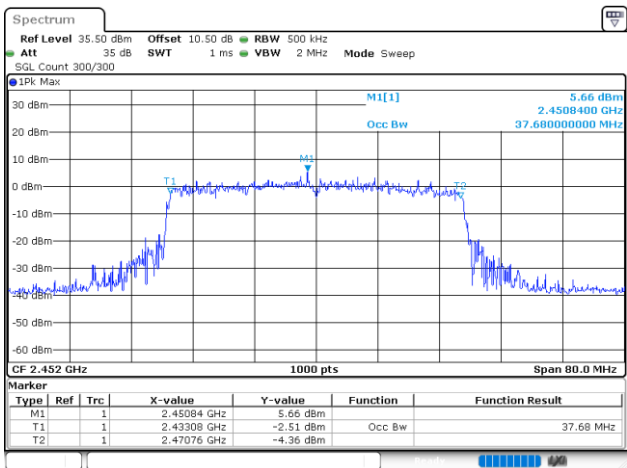
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:37:43

802.11ax40_2437MHz_RU_Full



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:40:12

802.11ax40_2452MHz_RU_Full



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:42:42

Maximum Conducted Output Power

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.3~26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm) (For ISSED)	Verdict
802.11b	2412	15.36	30	18.68	36	Pass
	2437	14.60	30	17.92	36	Pass
	2462	13.84	30	17.16	36	Pass
802.11g	2412	23.17	30	26.49	36	Pass
	2437	22.64	30	25.96	36	Pass
	2462	22.69	30	26.01	36	Pass
802.11n20	2412	22.18	30	25.50	36	Pass
	2437	22.92	30	26.24	36	Pass
	2462	22.70	30	26.02	36	Pass
802.11n40	2422	21.91	30	25.23	36	Pass
	2437	22.17	30	25.49	36	Pass
	2452	21.70	30	25.02	36	Pass
802.11ax20_RU_Full	2412	22.38	30	25.70	36	Pass
	2437	22.44	30	25.76	36	Pass
	2462	22.61	30	25.93	36	Pass
802.11ax40_RU_Full	2422	21.18	30	24.50	36	Pass
	2437	21.83	30	25.15	36	Pass
	2452	22.39	30	25.71	36	Pass

Note:
EIRP = Peak Output Power + Antenna gain

Power Spectral Density

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

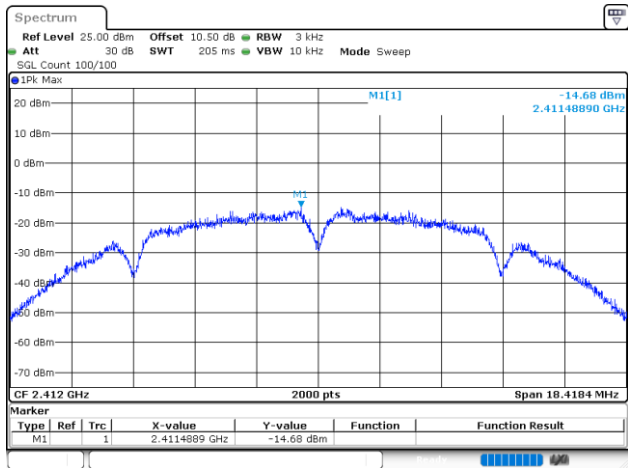
Environmental Conditions:

Temperature: (°C)	25.3~26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

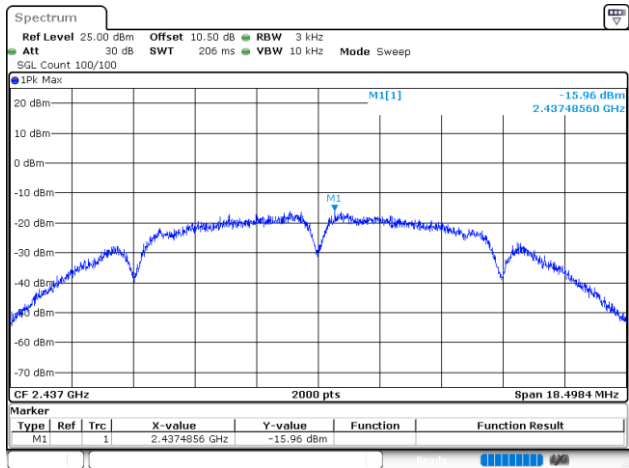
Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-14.68	8	Pass
	2437	-15.96	8	Pass
	2462	-15.87	8	Pass
802.11g	2412	-12.40	8	Pass
	2437	-12.09	8	Pass
	2462	-13.05	8	Pass
802.11n20	2412	-11.46	8	Pass
	2437	-11.31	8	Pass
	2462	-13.53	8	Pass
802.11n40	2422	-15.62	8	Pass
	2437	-15.11	8	Pass
	2452	-16.06	8	Pass
802.11ax20_RU_Full	2412	-13.32	8	Pass
	2437	-12.57	8	Pass
	2462	-13.13	8	Pass
802.11ax40_RU_Full	2422	-16.87	8	Pass
	2437	-16.37	8	Pass
	2452	-16.80	8	Pass

802.11b_2412MHz



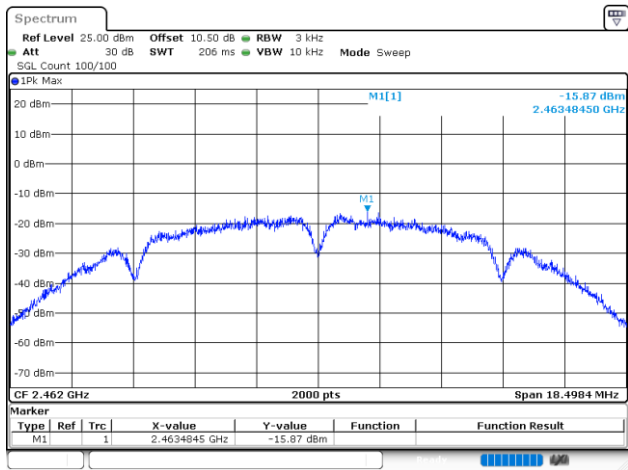
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:26:54

802.11b_2437MHz



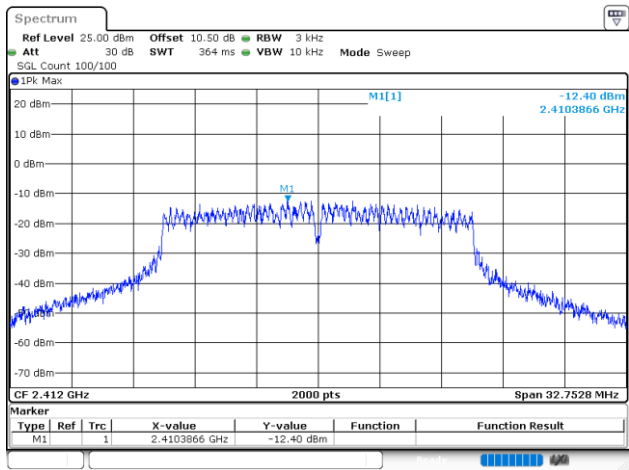
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:28:10

802.11b_2462MHz



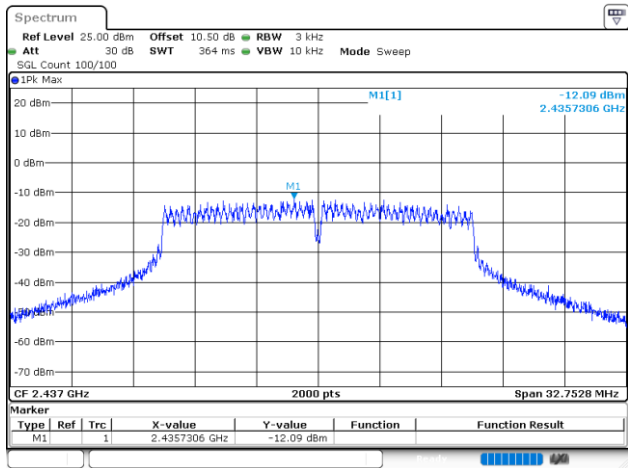
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:29:40

802.11g_2412MHz



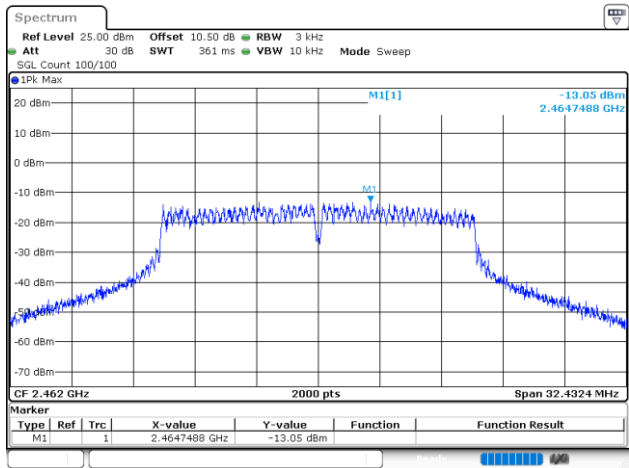
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:44:29

802.11g_2437MHz



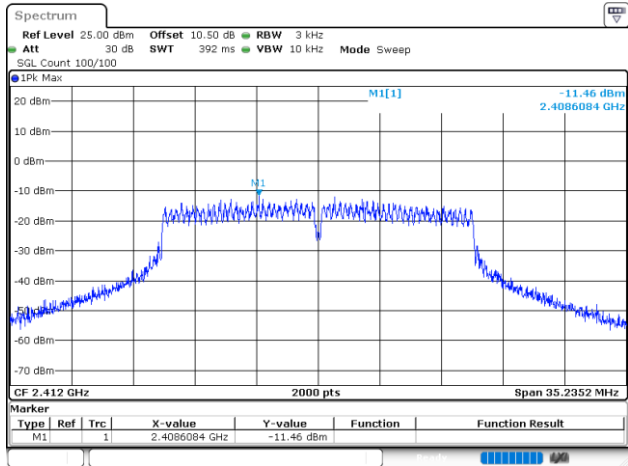
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:46:22

802.11g_2462MHz



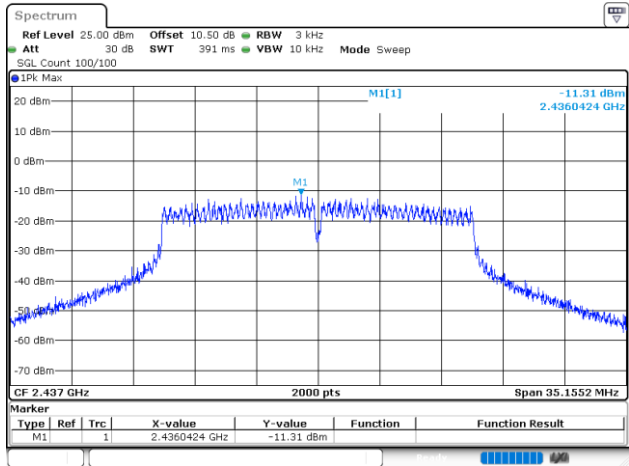
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:48:09

802.11n20_2412MHz



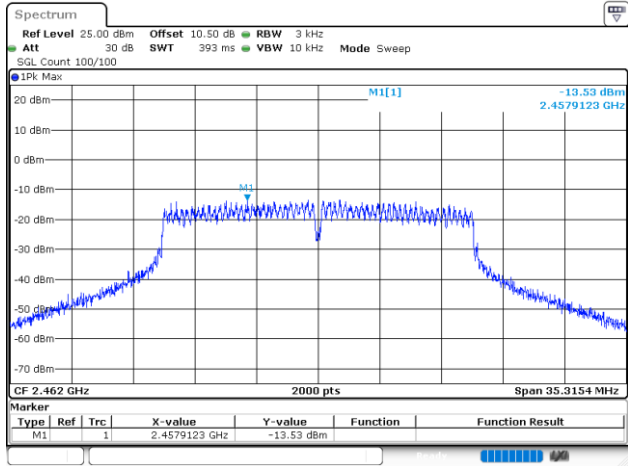
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:50:12

802.11n20_2437MHz



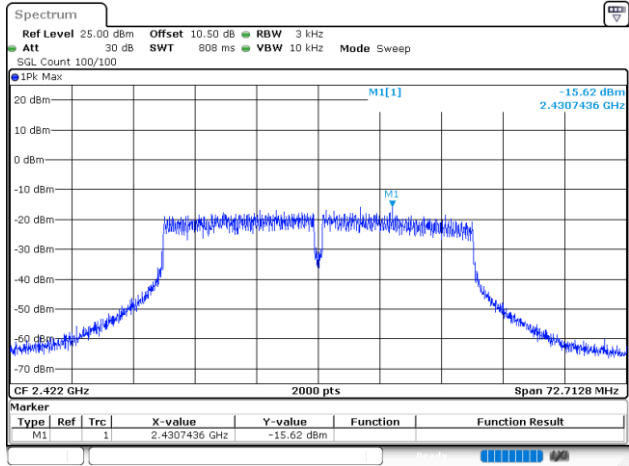
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:52:45

802.11n20_2462MHz



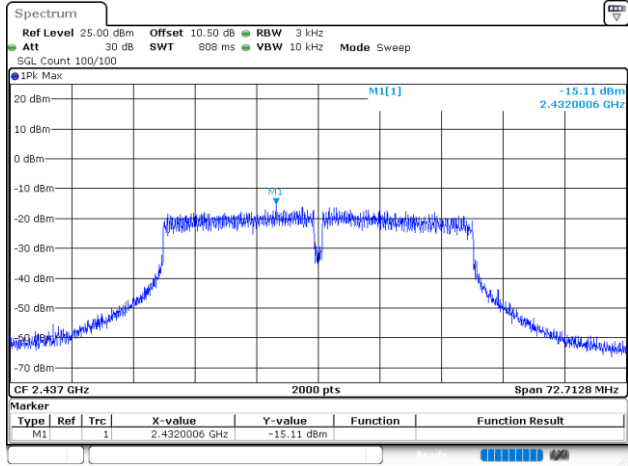
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:58:36

802.11n40_2422MHz



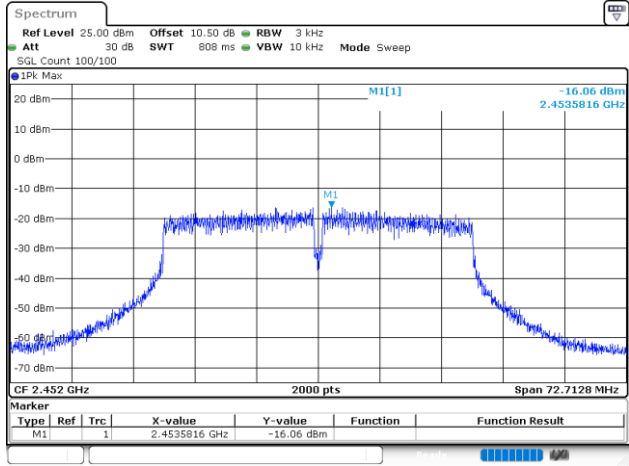
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:32:18

802.11n40_2437MHz



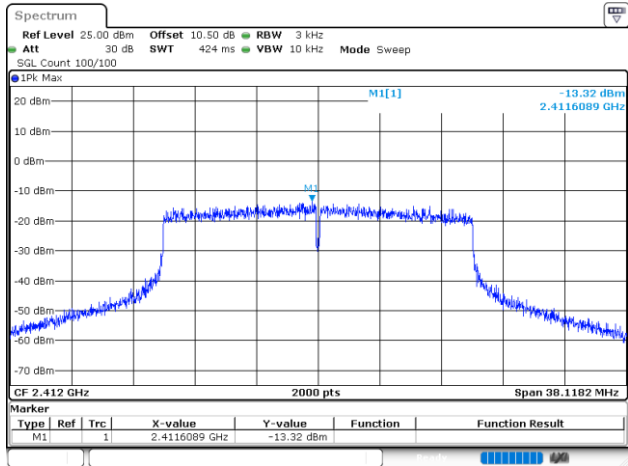
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:34:32

802.11n40_2452MHz

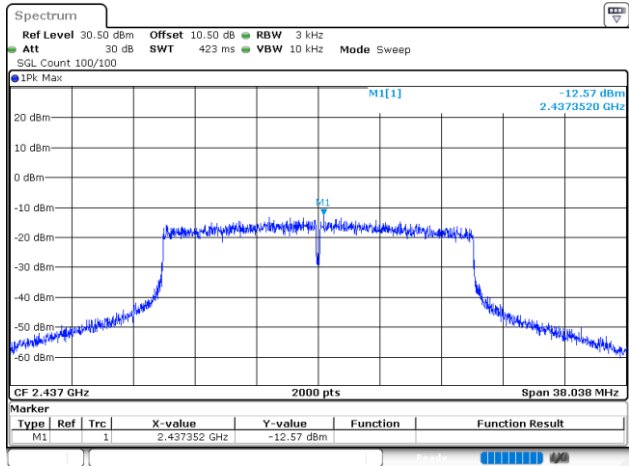


ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:37:06

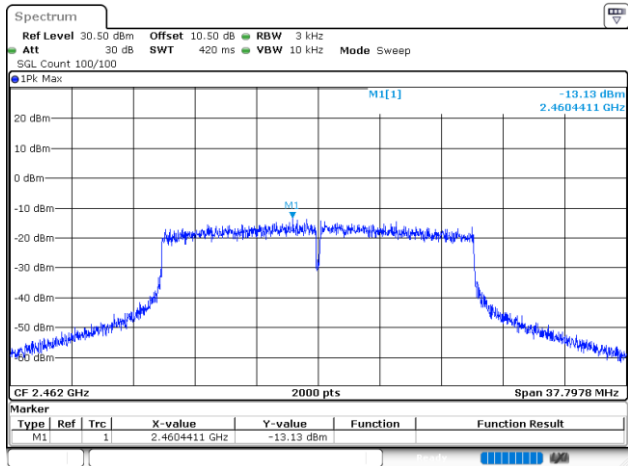
802.11ax20_2412MHz_RU_Full



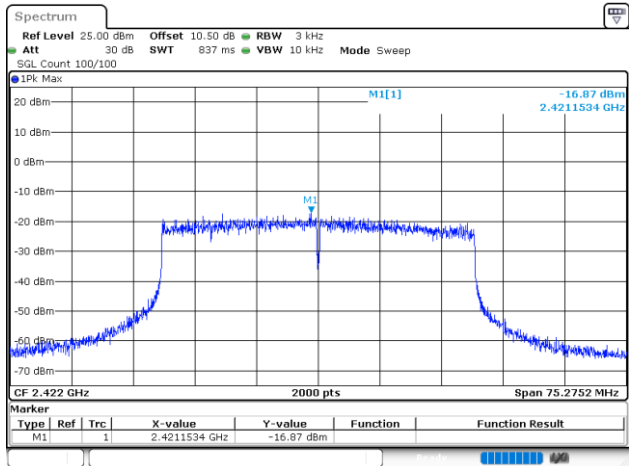
802.11ax20_2437MHz_RU_Full



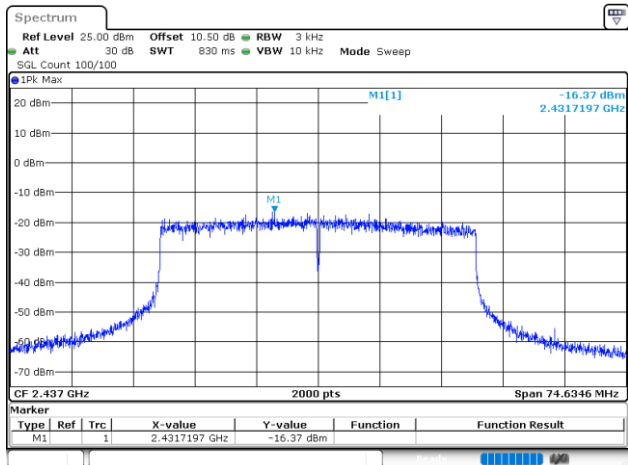
802.11ax20_2462MHz_RU_Full



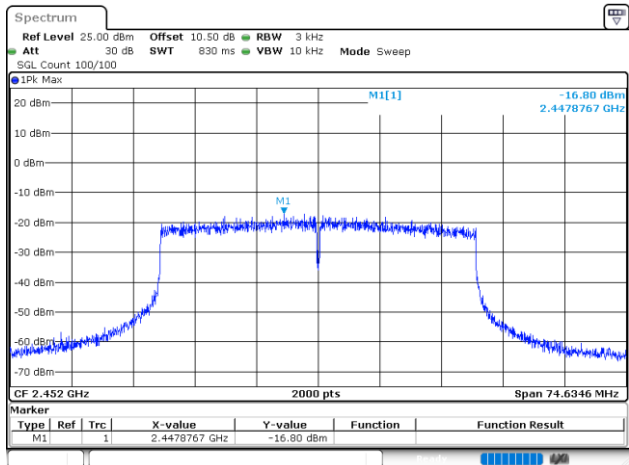
802.11ax40_2422MHz_RU_Full



802.11ax40_2437MHz_RU_Full



802.11ax40_2452MHz_RU_Full



100 kHz Bandwidth of Frequency Band Edge

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

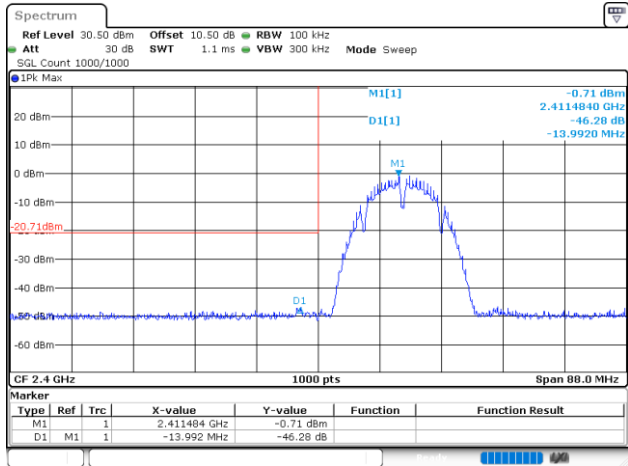
Environmental Conditions:

Temperature: (°C)	25.3~26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

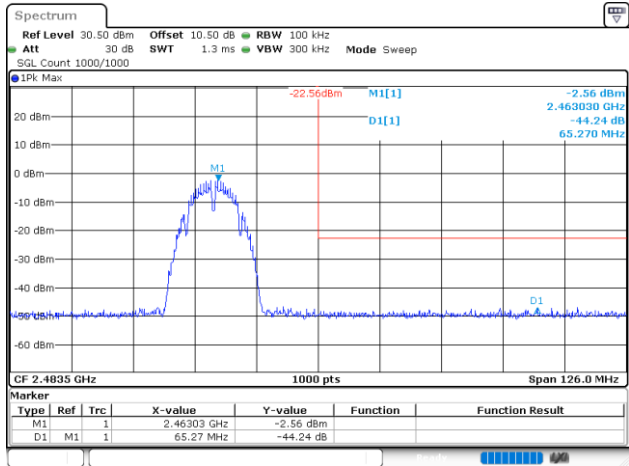
Mode	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	2412	46.28	20	Pass
	2462	44.24	20	Pass
802.11g	2412	29.01	20	Pass
	2462	47.28	20	Pass
802.11n20	2412	29.37	20	Pass
	2462	46.73	20	Pass
802.11n40	2422	31.59	20	Pass
	2452	42.61	20	Pass
802.11ax20_RU_Full	2412	30.35	20	Pass
	2462	45.06	20	Pass
802.11ax40_RU_Full	2422	31.37	20	Pass
	2452	41.49	20	Pass

802.11b_2412MHz



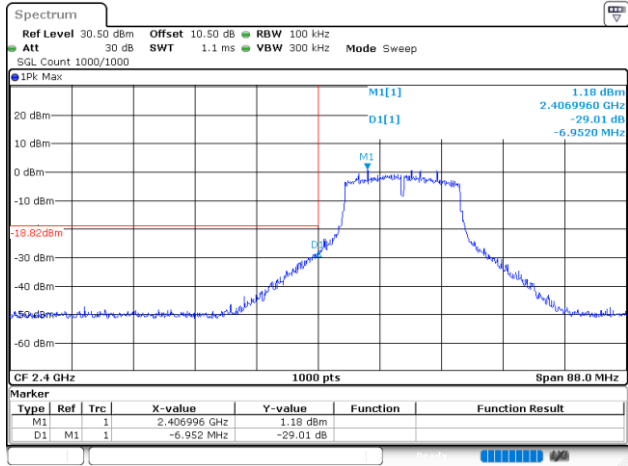
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:26:25

802.11b_2462MHz



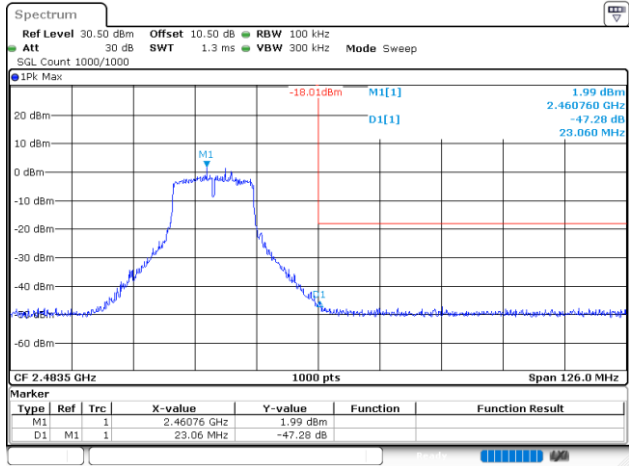
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:29:11

802.11g_2412MHz



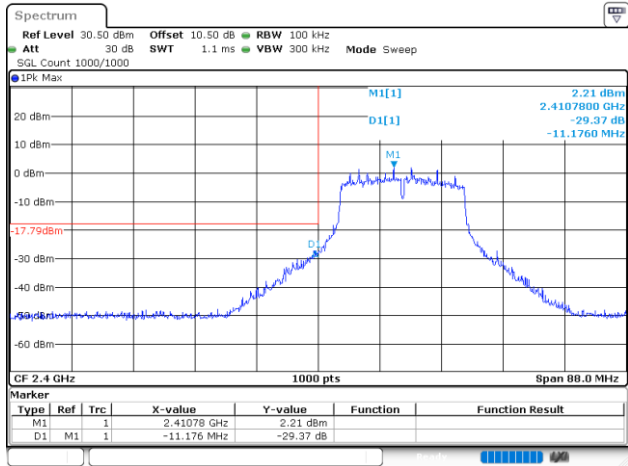
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:43:43

802.11g_2462MHz



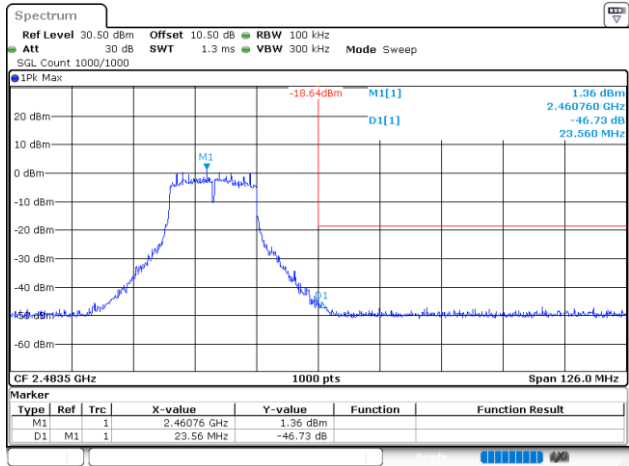
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:47:24

802.11n20_2412MHz



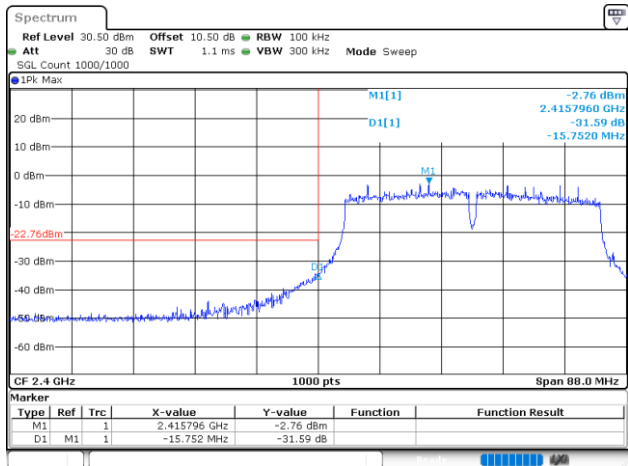
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:49:23

802.11n20_2462MHz



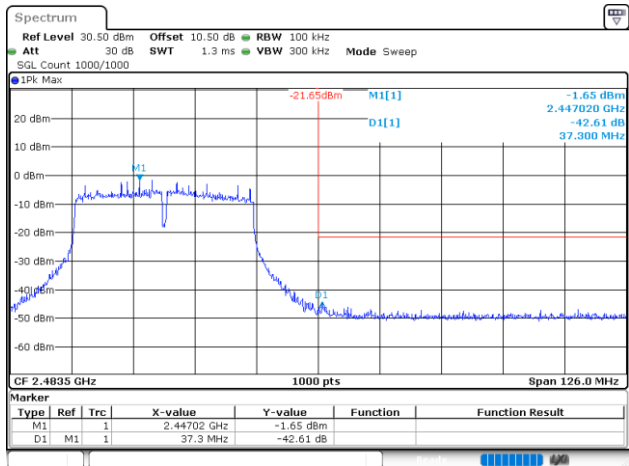
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:57:47

802.11n40_2422MHz



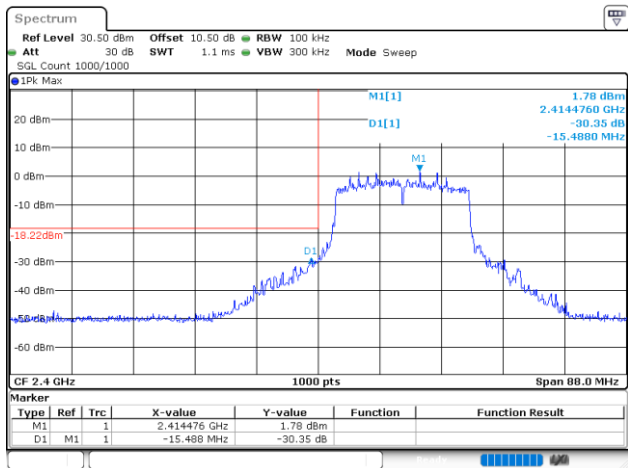
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:30:40

802.11n40_2452MHz



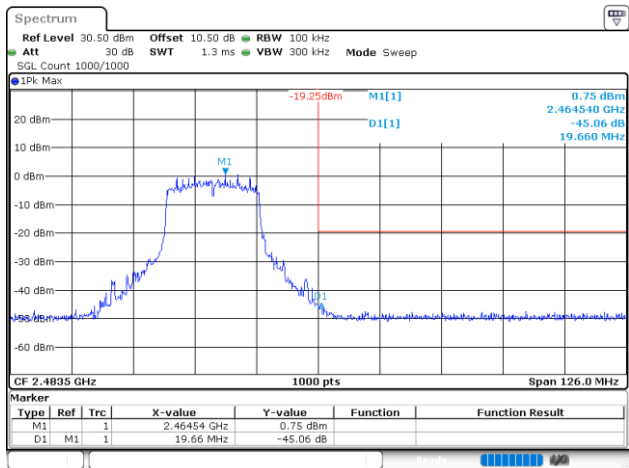
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:35:28

802.11ax20_2412MHz_RU_Full



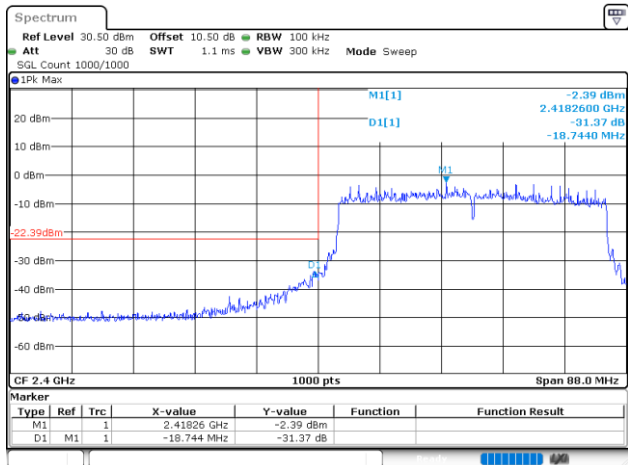
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 11:06:27

802.11ax20_2462MHz_RU_Full



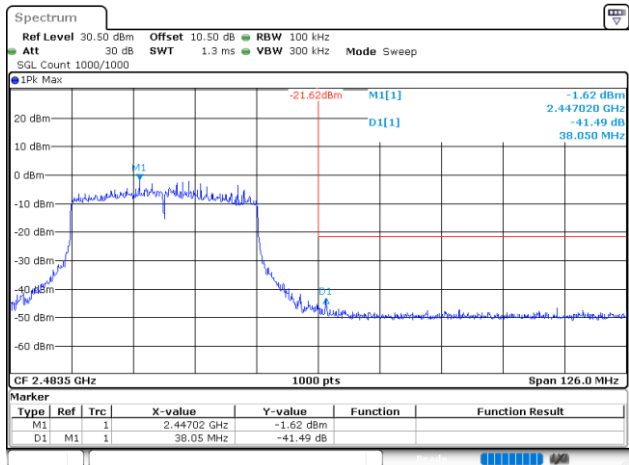
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 11:11:51

802.11ax40_2422MHz_RU_Full



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:38:07

802.11ax40_2452MHz_RU_Full



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 13.JUN.2025 15:43:06

Duty Cycle

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

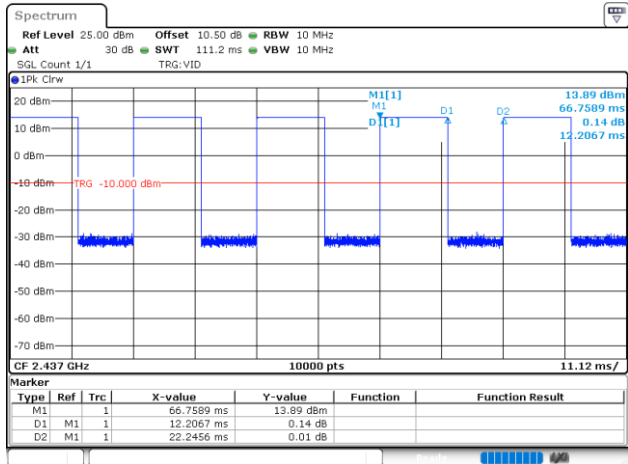
Temperature: (°C)	26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	12.207	22.246	54.87	2.61	82	0.100
802.11g	2437	2.031	12.052	16.85	7.73	492	0.500
802.11n20	2437	1.894	11.912	15.90	7.99	528	1
802.11n40	2437	0.931	10.963	8.49	10.71	1074	2
802.11ax20_RU_FULL	2437	1.457	11.478	12.69	8.96	686	1
802.11ax40_RU_FULL	2437	0.760	10.793	7.04	11.52	1316	2

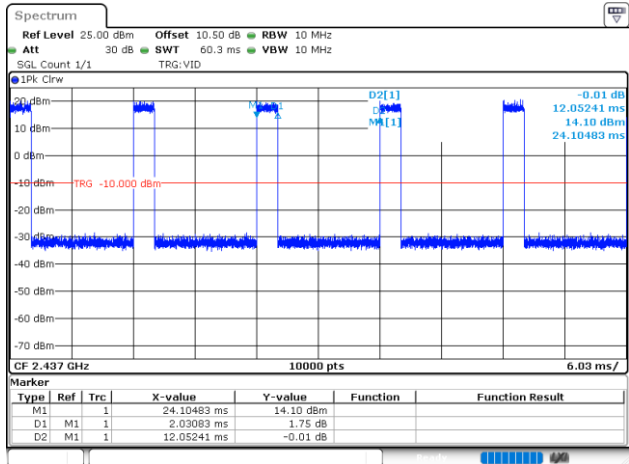
Duty Cycle = Ton/(Ton+Toff)*100%

802.11b_2437MHz



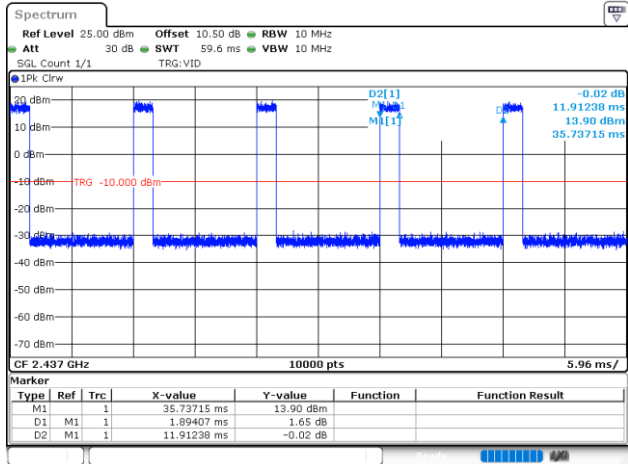
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:35:46

802.11g_2437MHz



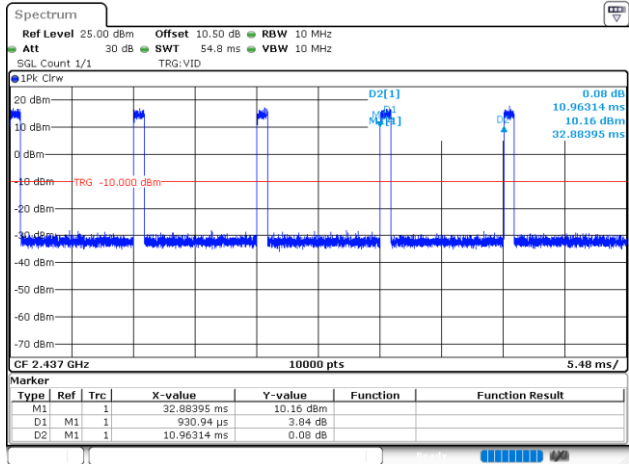
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 13:45:45

802.11n20_2437MHz



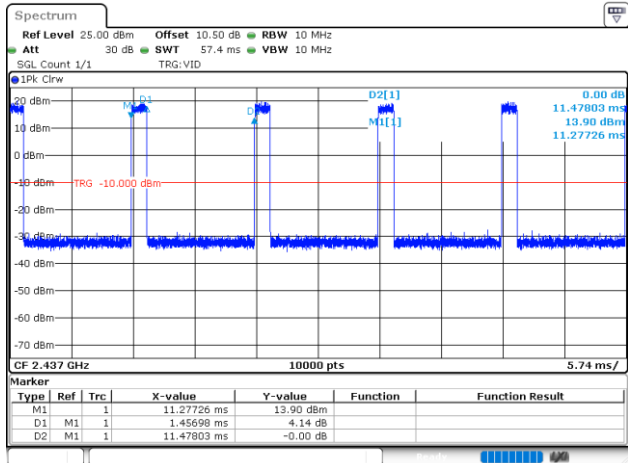
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:31:15

802.11n40_2437MHz



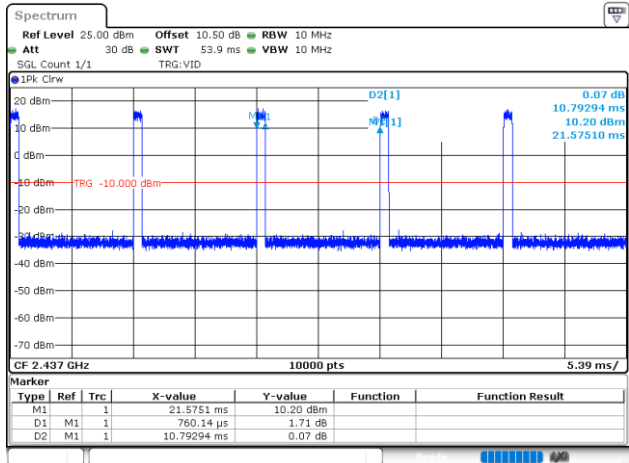
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:32:15

802.11ax20_2437MHz_RU_FULL



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:33:31

802.11ax40_2437MHz_RU_FULL



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:34:52

***** END *****