

Test Information:

Sample No.:	2V9E-1	Test Date:	2024/12/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.9	Relative Humidity: (%)	51	ATM Pressure: (kPa)	101.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2024/04/01	2025/03/31
Anritsu	Pulse Power Sensor	MA2411A	10780	2024/08/03	2025/08/02
Anritsu	Power Meter	ML2495A	1106009	2024/08/03	2025/08/02
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

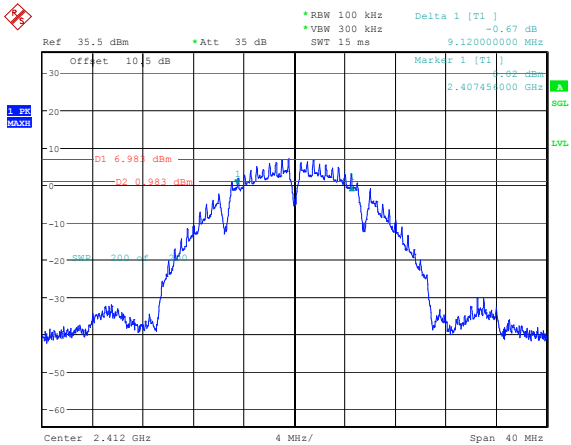
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	9.120	≥ 0.5	Pass
		2437	9.120	≥ 0.5	Pass
		2462	10.080	≥ 0.5	Pass
802.11g	Chain 0	2412	16.352	≥ 0.5	Pass
		2437	16.096	≥ 0.5	Pass
		2462	16.352	≥ 0.5	Pass
802.11n20	Chain 0	2412	17.664	≥ 0.5	Pass
		2437	16.480	≥ 0.5	Pass
		2462	17.088	≥ 0.5	Pass
802.11n40	Chain 0	2422	35.648	≥ 0.5	Pass
		2437	35.200	≥ 0.5	Pass
		2452	36.480	≥ 0.5	Pass
802.11ax20_RU_Full	Chain 0	2412	17.952	≥ 0.5	Pass
		2437	18.656	≥ 0.5	Pass
		2462	18.464	≥ 0.5	Pass
802.11ax40_RU_Full	Chain 0	2422	35.904	≥ 0.5	Pass
		2437	36.352	≥ 0.5	Pass
		2452	37.568	≥ 0.5	Pass

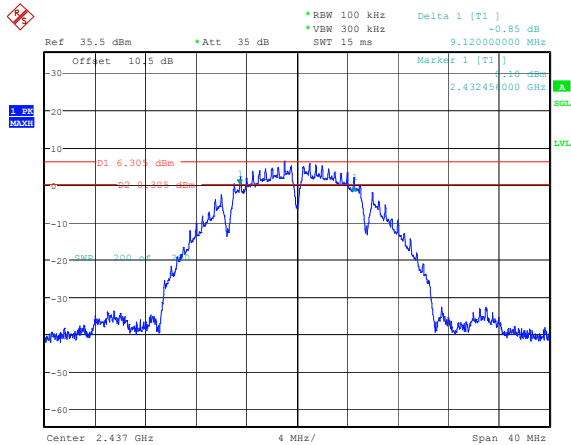
2.4G

802.11b_2412MHz 9.120MHz



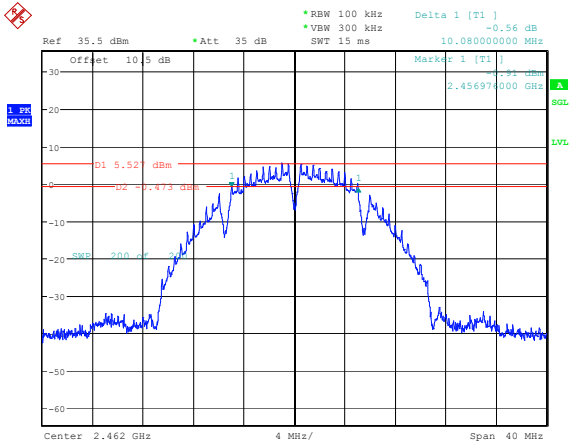
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Date: 16.DEC.2024 17:20:51

802.11b_2437MHz 9.120MHz



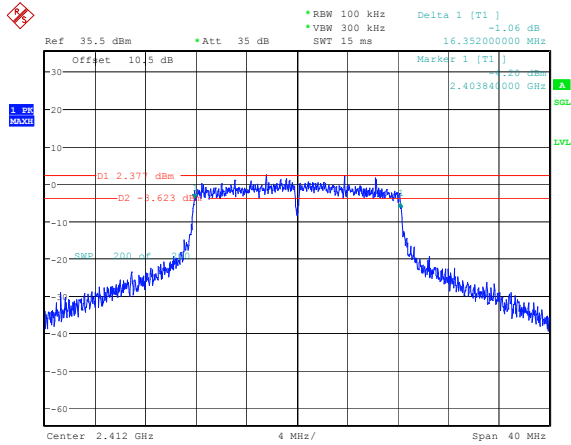
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Date: 16.DEC.2024 17:28:41

802.11b_2462MHz 10.080MHz



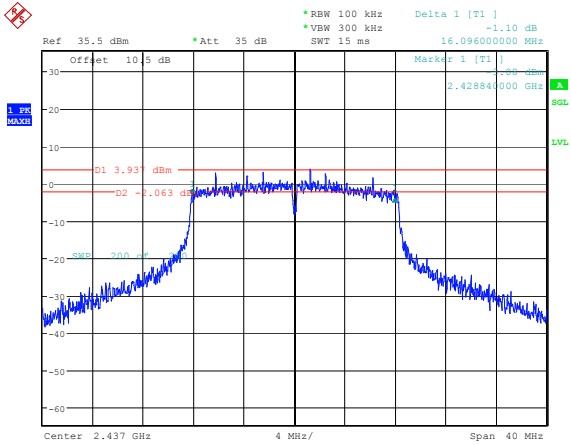
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802.11g_2412MHz 16.352MHz



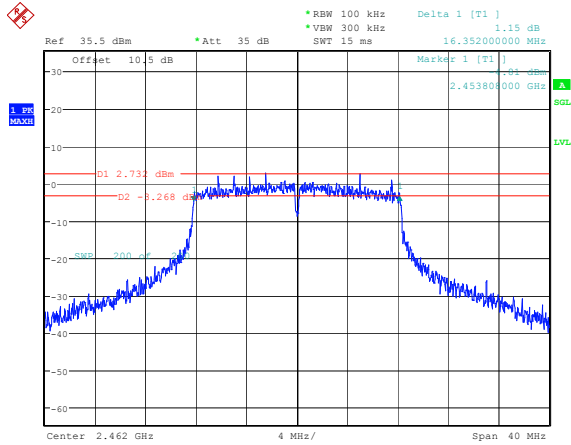
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802.11g_2437MHz 16.096MHz



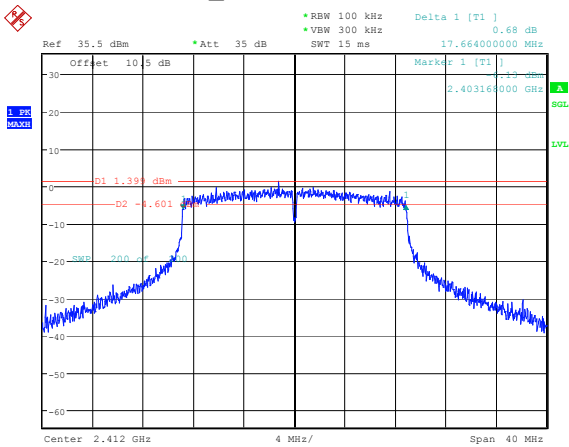
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802.11g_2462MHz 16.352MHz



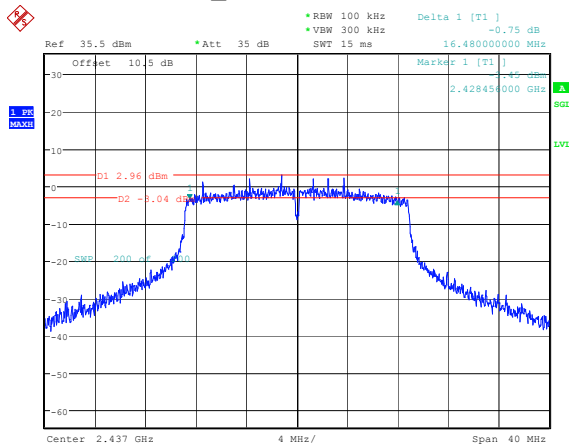
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802.11n20_2412MHz 17.664MHz



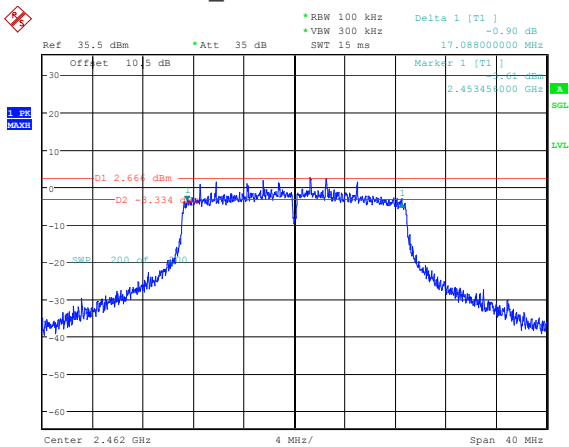
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802.11n20_2437MHz 16.480MHz



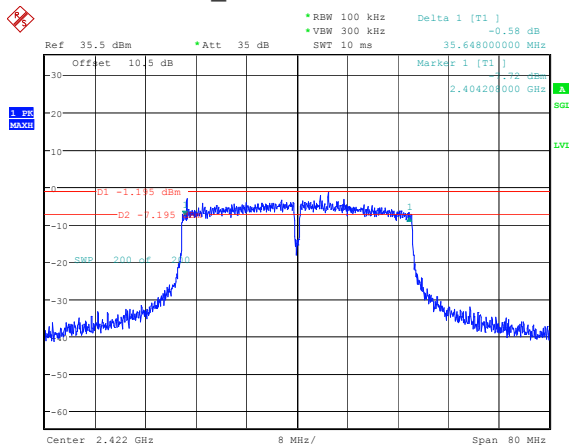
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802.11n20_2462MHz 17.088MHz



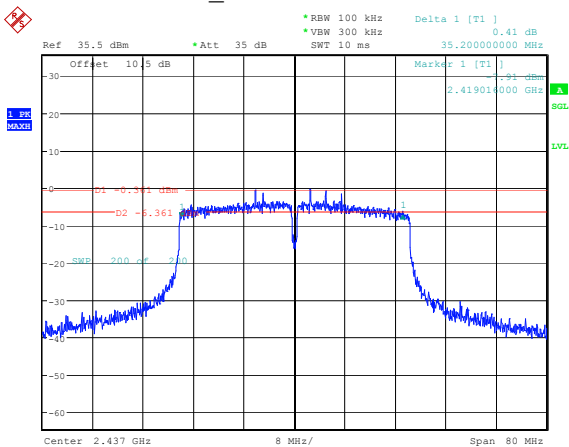
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802.11n40_2422MHz 35.648MHz



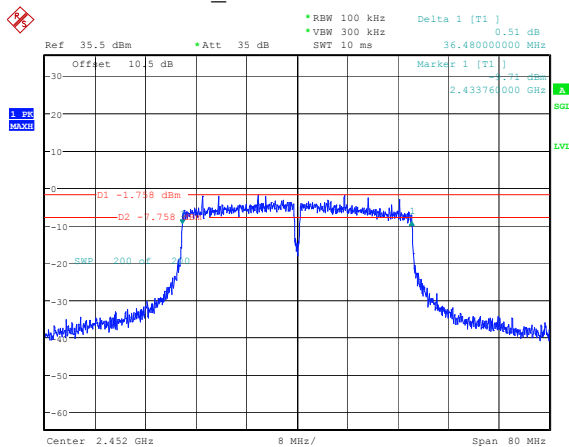
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802.11n40_2437MHz 35.200MHz



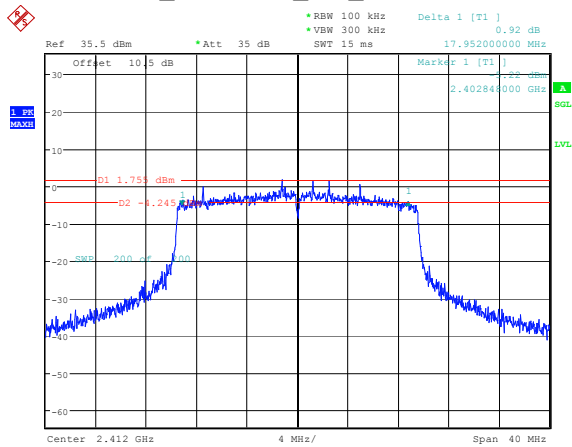
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802.11n40_2452MHz 36.480MHz



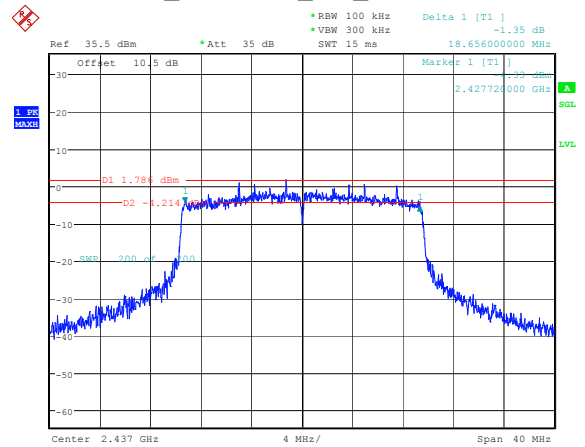
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802.11ax20_2412MHz_RU_Full 17.952MHz



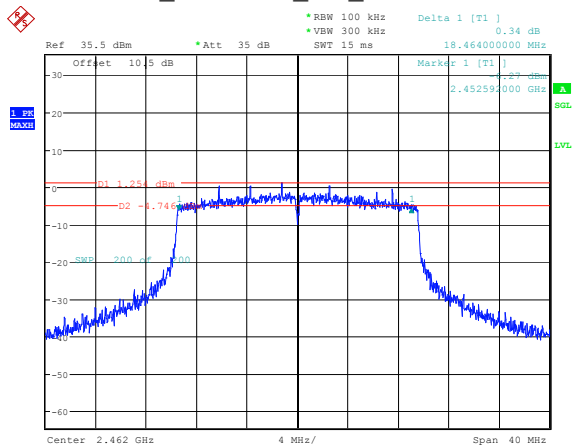
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802.11ax20_2437MHz_RU_Full 18.656MHz



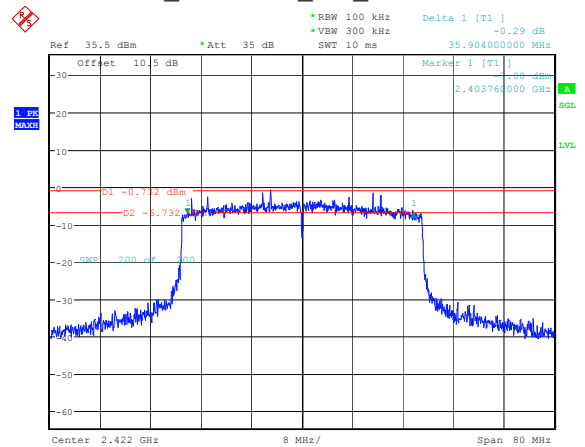
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802.11ax20_2462MHz_RU_Full 18.464MHz



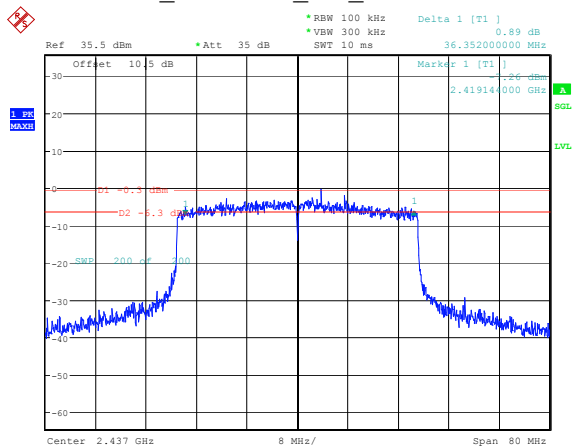
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802.11ax40_2422MHz_RU_Full 35.904MHz



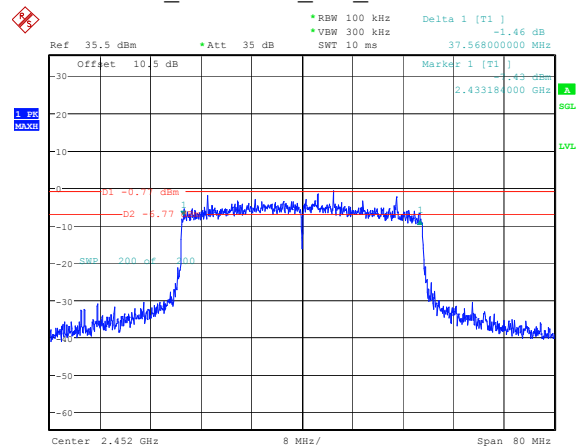
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802.11ax40_2437MHz_RU_Full 36.352MHz



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:39:32

802.11ax40_2452MHz_RU_Full 37.568MHz

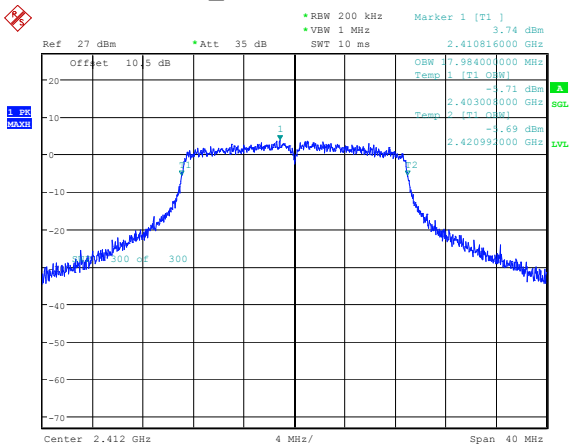


Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 20:00:41

99% Occupied Bandwidth

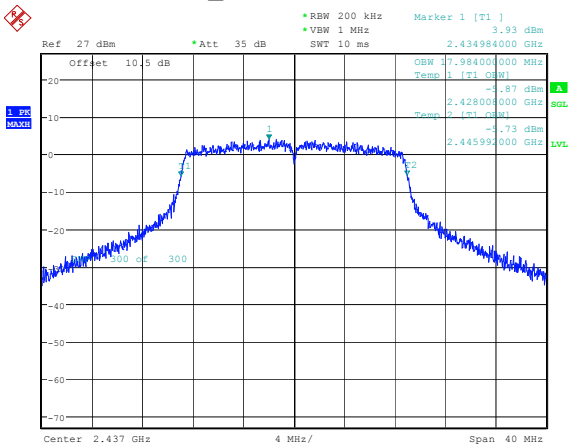
Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11b	Chain 0	2412	15.040
		2437	14.976
		2462	14.976
802.11g	Chain 0	2412	16.864
		2437	16.864
		2462	16.768
802.11n20	Chain 0	2412	17.984
		2437	17.984
		2462	18.016
802.11n40	Chain 0	2422	36.736
		2437	36.800
		2452	36.864
802.11ax20_RU_Full	Chain 0	2412	19.072
		2437	19.072
		2462	19.072
802.11ax40_RU_Full	Chain 0	2422	37.888
		2437	38.016
		2452	37.888

802.11n20_2412MHz 17.984MHz



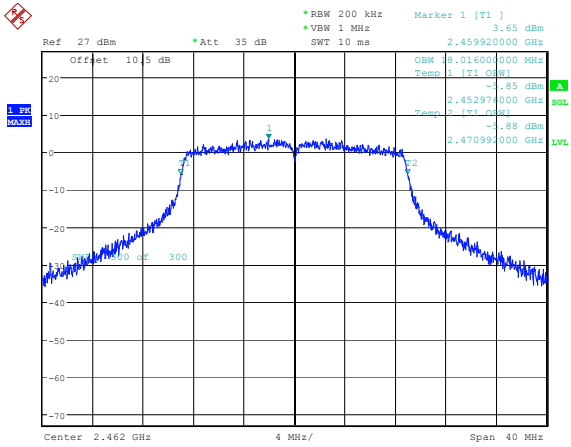
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802.11n20_2437MHz 17.984MHz



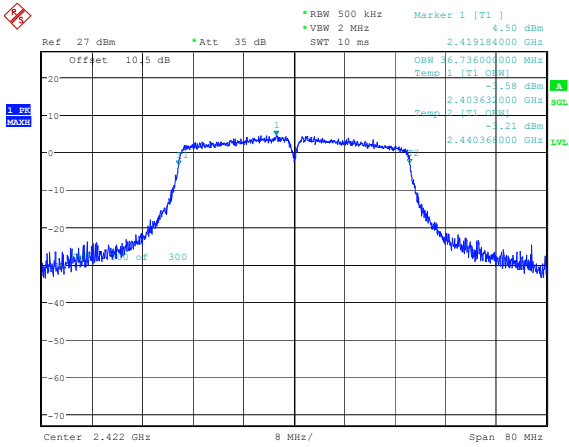
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802.11n20_2462MHz 18.016MHz



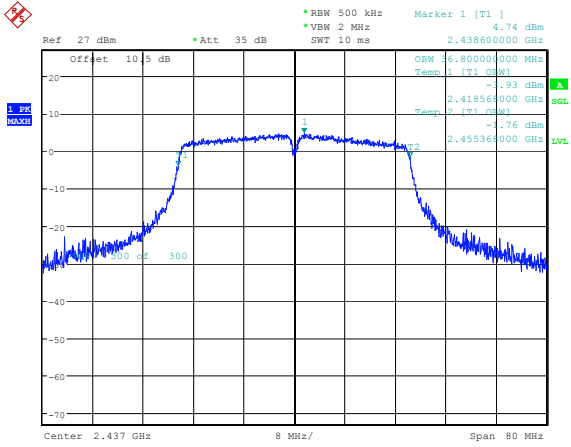
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Date: 16.DEC.2024 19:00:54

802.11n40_2422MHz 36.736MHz



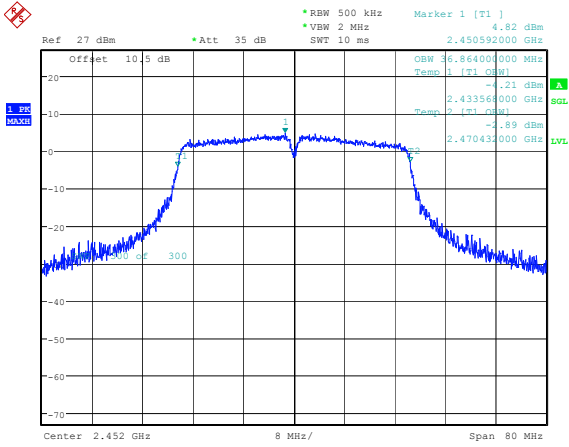
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802.11n40_2437MHz 36.800MHz



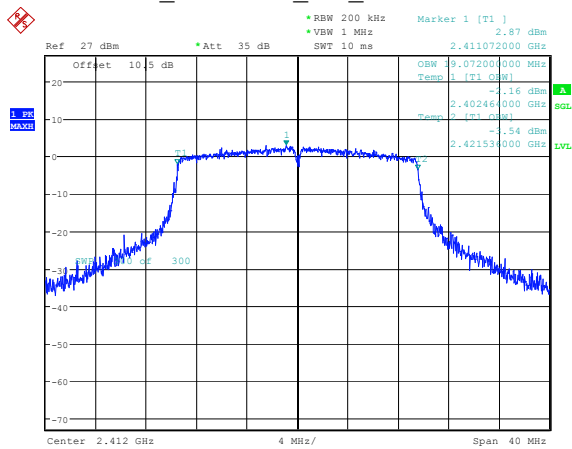
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802.11n40_2452MHz 36.864MHz



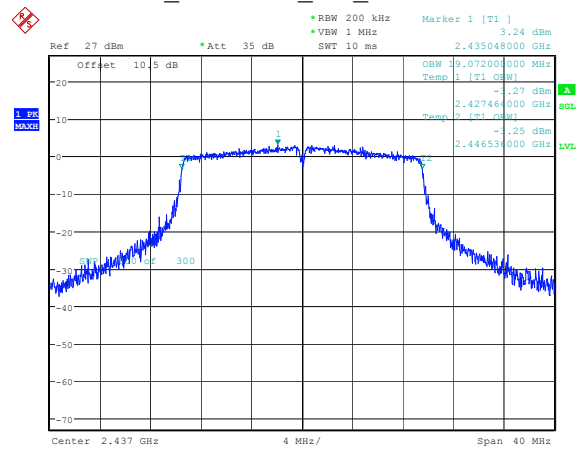
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802.11ax20_2412MHz_RU_Full 19.072MHz



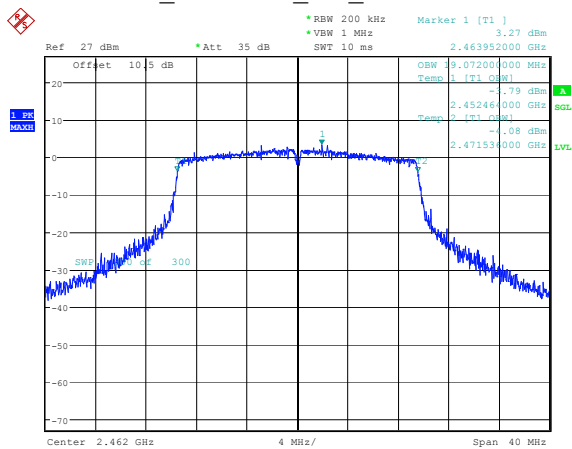
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802.11ax20_2437MHz_RU_Full 19.072MHz



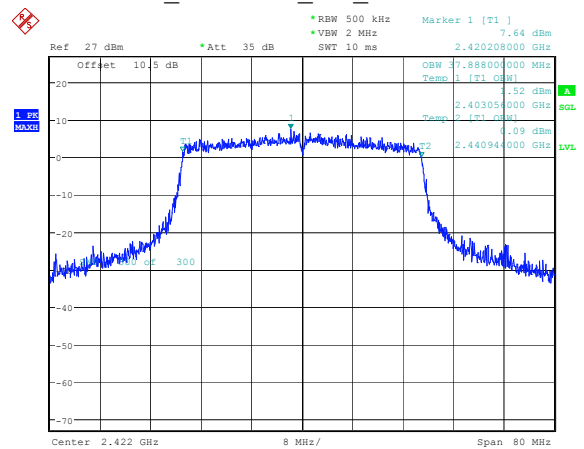
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802.11ax20_2462MHz_RU_Full 19.072MHz



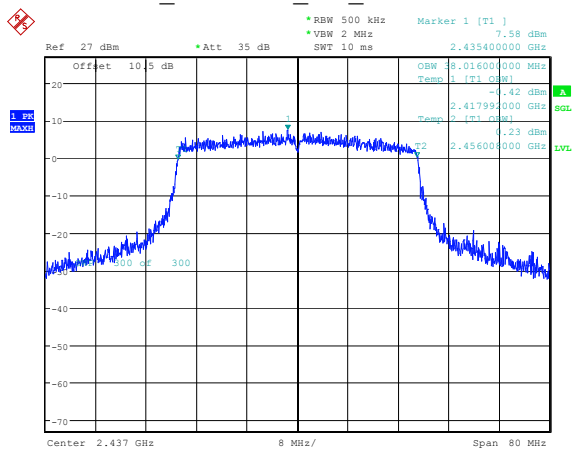
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Date: 16.DEC.2024 19:29:52

802.11ax40_2422MHz_RU_Full 37.888MHz



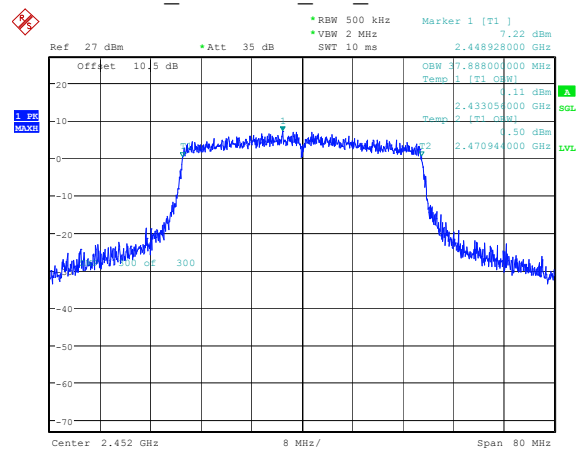
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802.11ax40_2437MHz_RU_Full 38.016MHz



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:40:03

802.11ax40_2452MHz_RU_Full 37.888MHz



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 20:01:09

Maximum Conducted Output Power

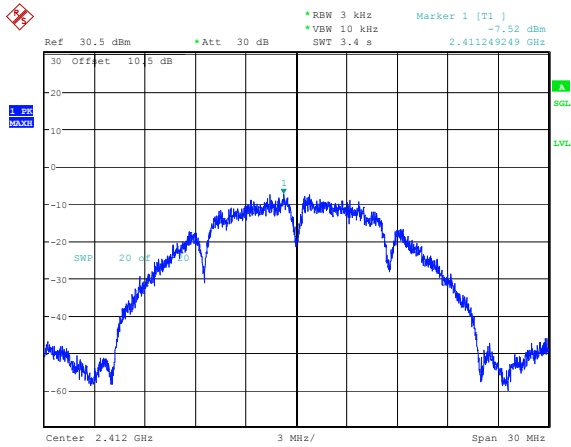
Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)	Verdict
802.11b	Chain 0	2412	19.05	30	Pass
		2437	18.48	30	Pass
		2462	17.83	30	Pass
802.11g	Chain 0	2412	22.29	30	Pass
		2437	21.81	30	Pass
		2462	21.36	30	Pass
802.11n20	Chain 0	2412	21.40	30	Pass
		2437	21.52	30	Pass
		2462	20.87	30	Pass
802.11n40	Chain 0	2422	21.22	30	Pass
		2437	21.62	30	Pass
		2452	21.02	30	Pass
802.11ax20_RU_Full	Chain 0	2412	20.88	30	Pass
		2437	20.25	30	Pass
		2462	19.77	30	Pass
802.11ax40_RU_Full	Chain 0	2422	21.37	30	Pass
		2437	20.88	30	Pass
		2452	20.33	30	Pass

Power Spectral Density

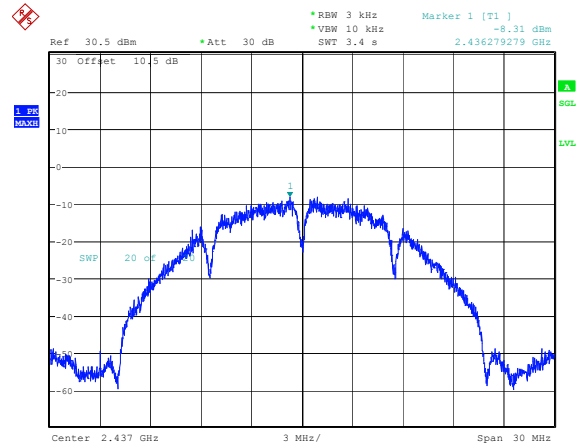
Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Chain 0	2412	-7.52	8	Pass
		2437	-8.31	8	Pass
		2462	-8.77	8	Pass
802.11g	Chain 0	2412	-10.09	8	Pass
		2437	-10.89	8	Pass
		2462	-11.20	8	Pass
802.11n20	Chain 0	2412	-11.70	8	Pass
		2437	-11.49	8	Pass
		2462	-12.25	8	Pass
802.11n40	Chain 0	2422	-13.95	8	Pass
		2437	-13.94	8	Pass
		2452	-14.93	8	Pass
802.11ax20_RU_Full	Chain 0	2412	-12.09	8	Pass
		2437	-12.78	8	Pass
		2462	-13.26	8	Pass
802.11ax40_RU_Full	Chain 0	2422	-14.17	8	Pass
		2437	-14.99	8	Pass
		2452	-15.41	8	Pass

2.4G

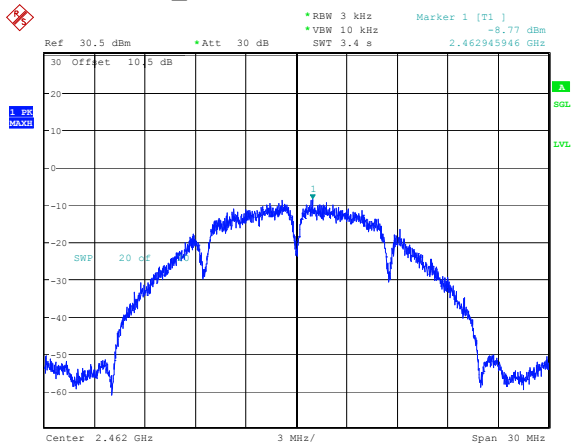
802.11b_2412MHz -7.52dBm/3kHz



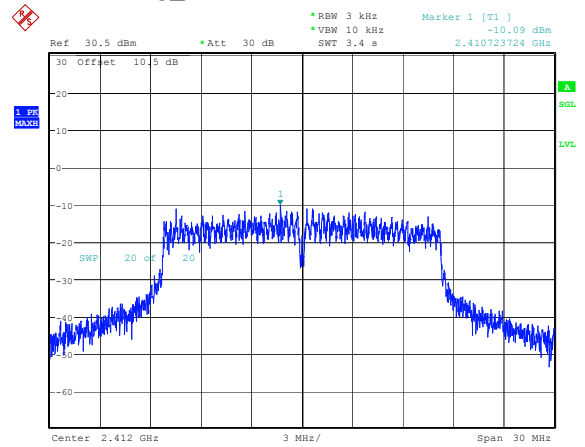
802.11b_2437MHz -8.31dBm/3kHz



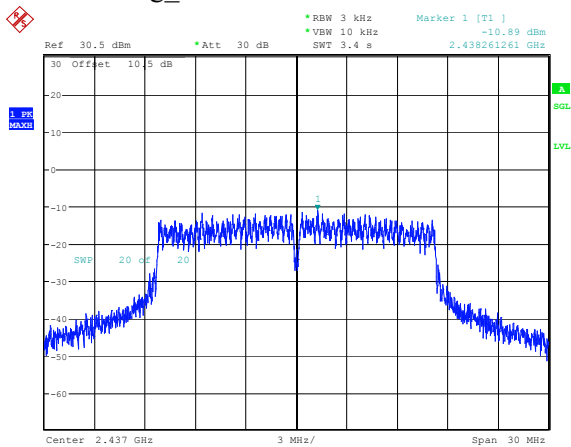
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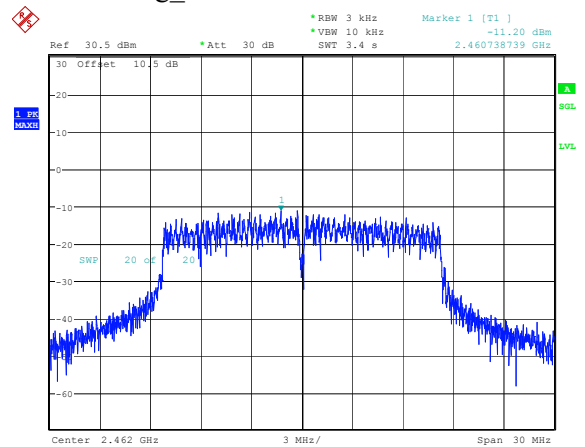
802.11g_2412MHz -10.09dBm/3kHz



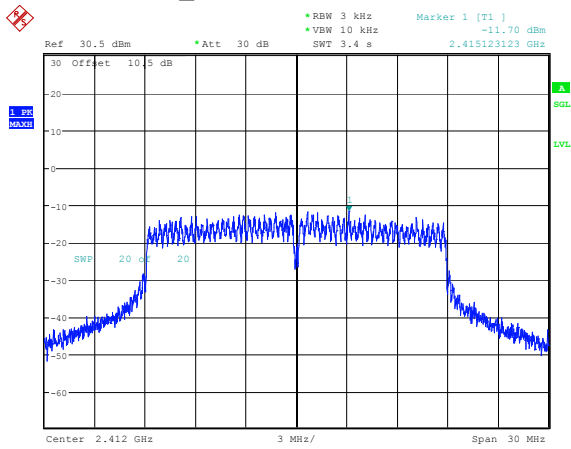
802.11g_2437MHz -10.89dBm/3kHz



802.11g_2462MHz -11.20dBm/3kHz

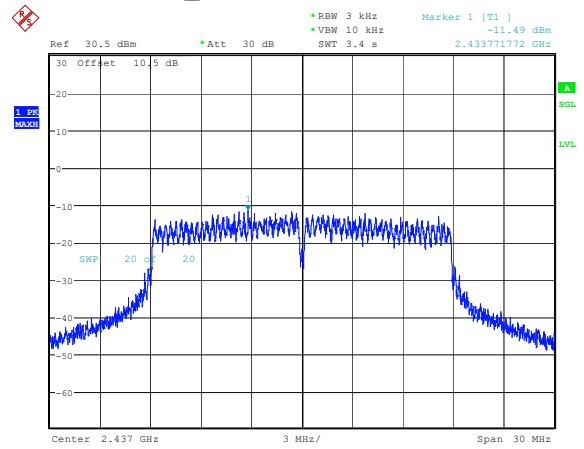


802.11n20_2412MHz -11.70dBm/3kHz



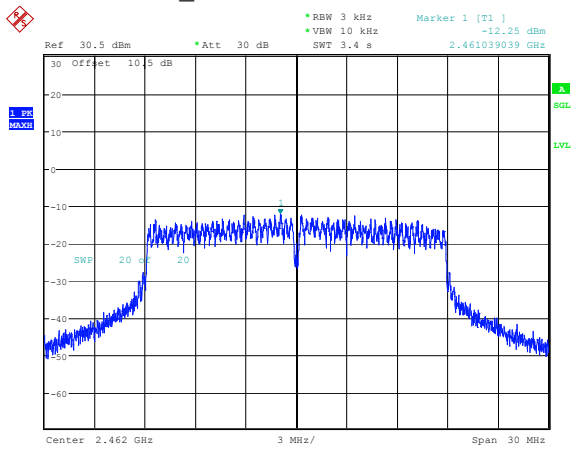
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Date: 16.DEC.2024 18:56:46

802.11n20_2437MHz -11.49dBm/3kHz



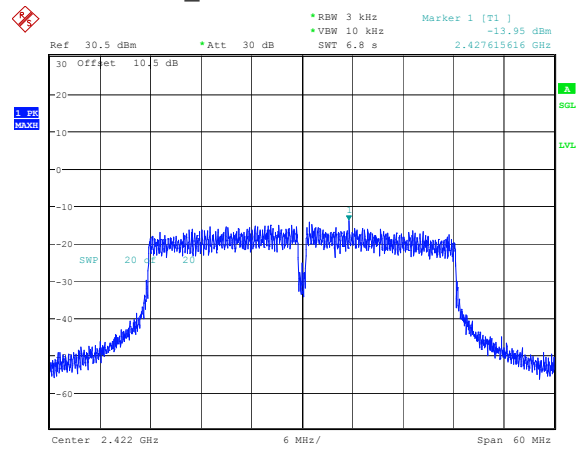
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Date: 16.DEC.2024 18:59:36

802.11n20_2462MHz -12.25dBm/3kHz



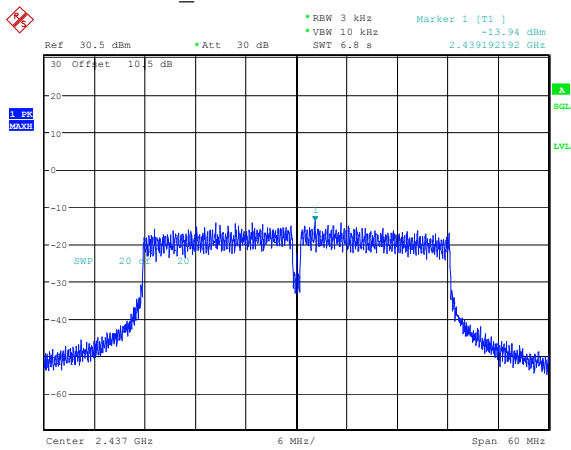
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Date: 16.DEC.2024 19:02:57

802.11n40_2422MHz -13.95dBm/3kHz



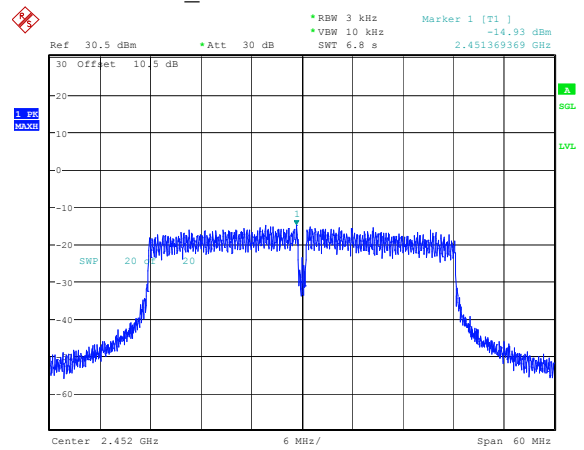
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Date: 16.DEC.2024 19:07:52

802.11n40_2437MHz -13.94dBm/3kHz



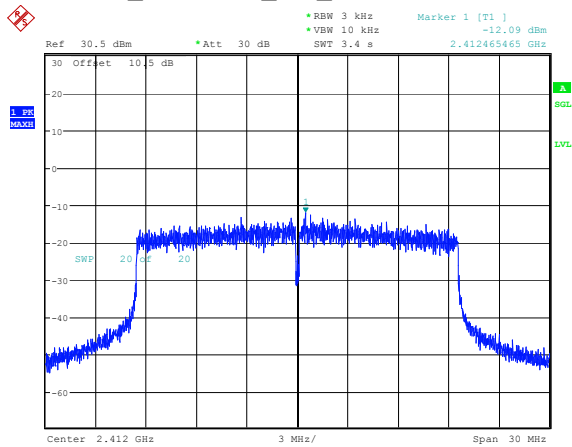
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Date: 16.DEC.2024 19:11:54

802.11n40_2452MHz -14.93dBm/3kHz



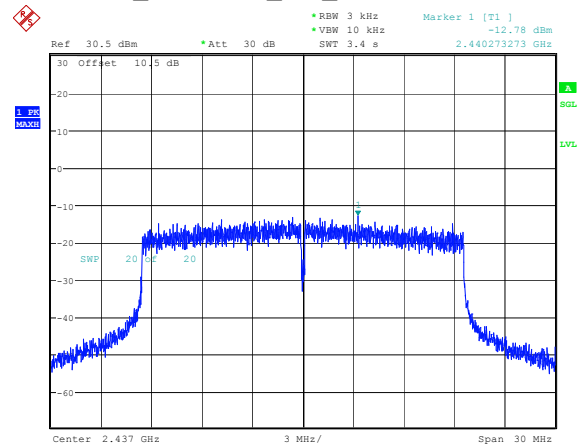
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Date: 16.DEC.2024 19:16:25

802.11ax20_2412MHz_RU_Full -12.09dBm/3kHz



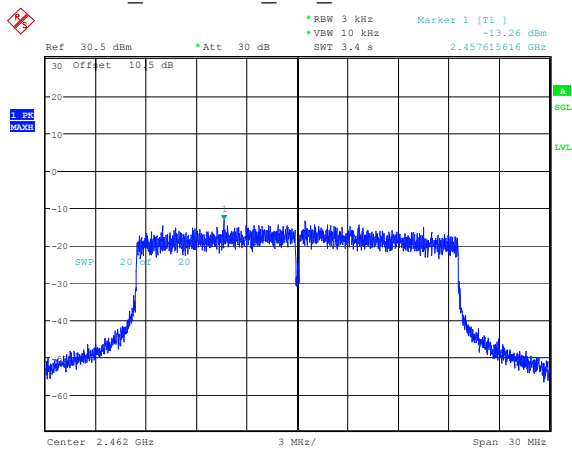
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Date: 16.DEC.2024 19:25:57

802.11ax20_2437MHz_RU_Full -12.78dBm/3kHz



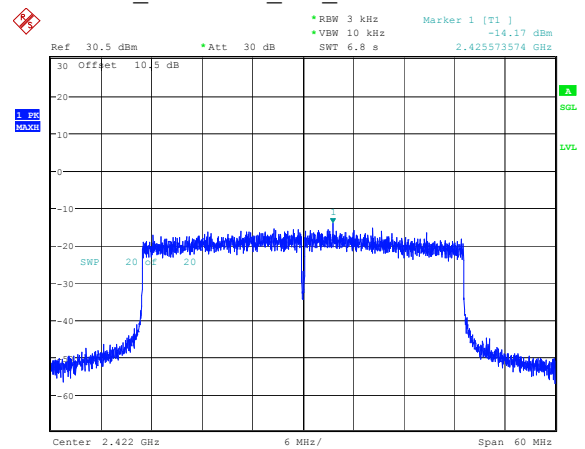
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Date: 16.DEC.2024 19:28:39

802.11ax20_2462MHz_RU_Full -13.26dBm/3kHz



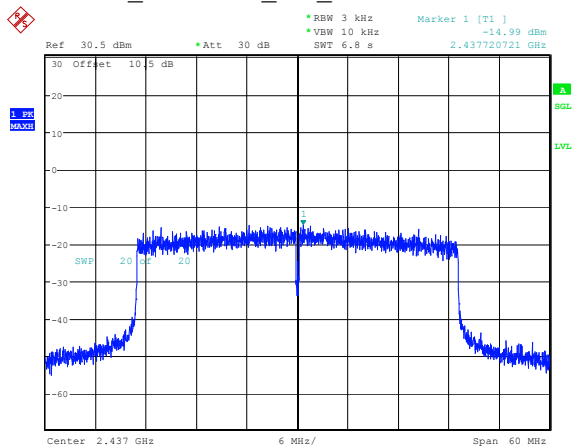
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Date: 16.DEC.2024 19:31:58

802.11ax40_2422MHz_RU_Full -14.17dBm/3kHz



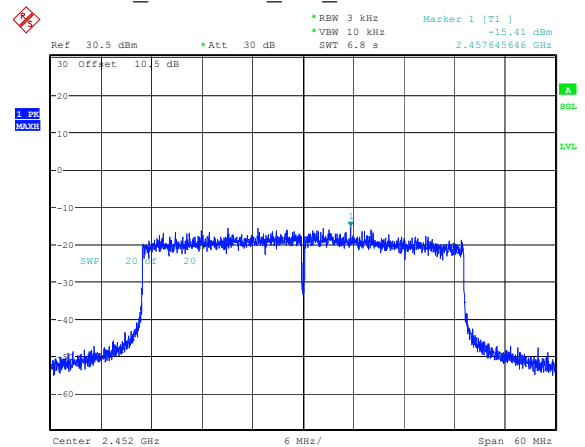
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:37:38

802.11ax40_2437MHz_RU_Full -14.99dBm/3kHz



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:53:10

802.11ax40_2452MHz_RU_Full -15.41dBm/3kHz



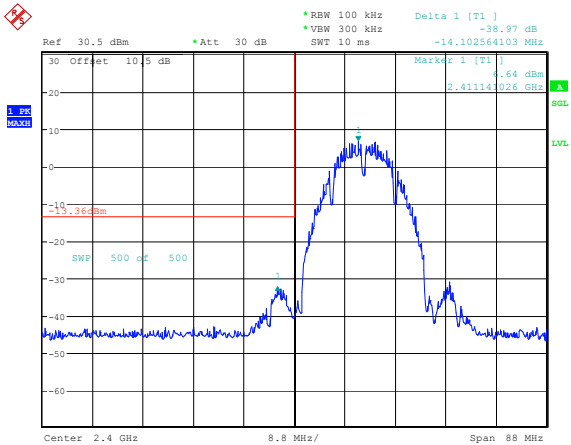
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 20:04:22

100 kHz Bandwidth of Frequency Band Edge

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	38.97	20	Pass
		2462	47.66	20	Pass
802.11g	Chain 0	2412	27.59	20	Pass
		2462	42.05	20	Pass
802.11n20	Chain 0	2412	27.81	20	Pass
		2462	37.47	20	Pass
802.11n40	Chain 0	2422	29.75	20	Pass
		2452	33.50	20	Pass
802.11ax20_RU_Full	Chain 0	2412	28.13	20	Pass
		2462	40.77	20	Pass
802.11ax40_RU_Full	Chain 0	2422	30.37	20	Pass
		2452	33.33	20	Pass

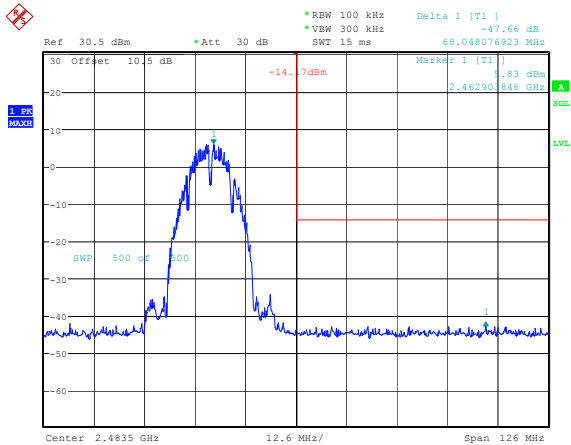
2.4G

802.11b_2412MHz



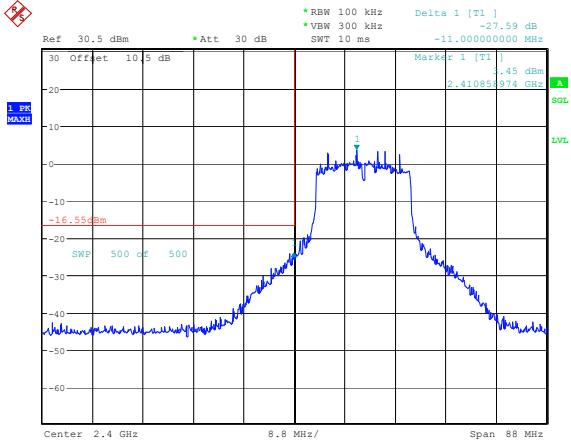
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:27:06

802.11b_2462MHz



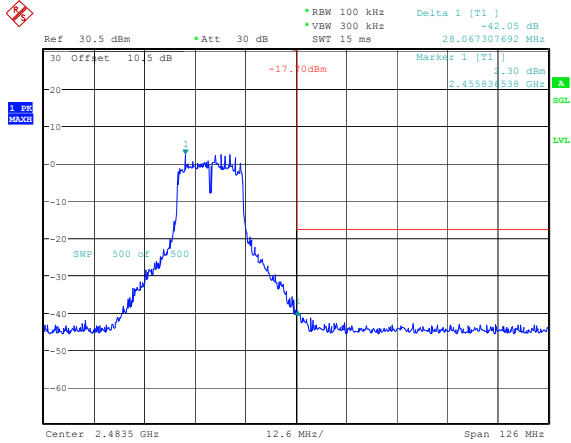
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:32:26

802.11g_2412MHz



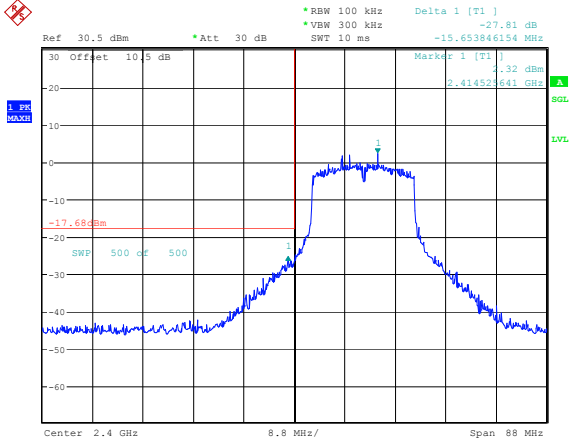
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:35:12

802.11g_2462MHz



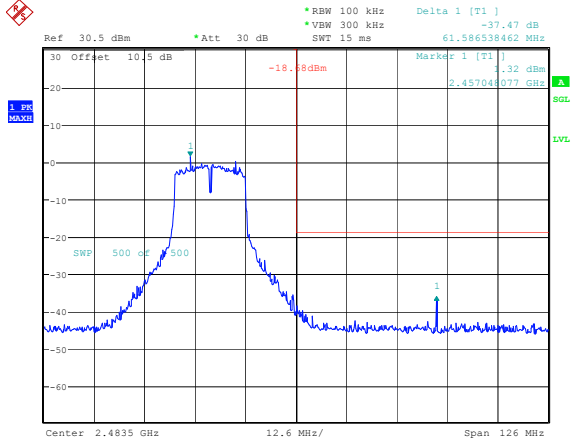
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:45:19

802.11n20_2412MHz



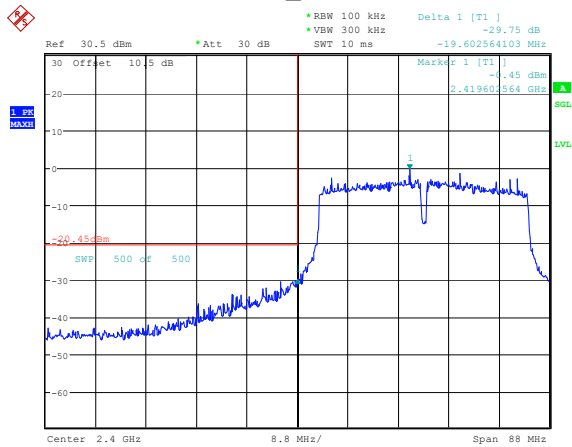
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 18:55:28

802.11n20_2462MHz



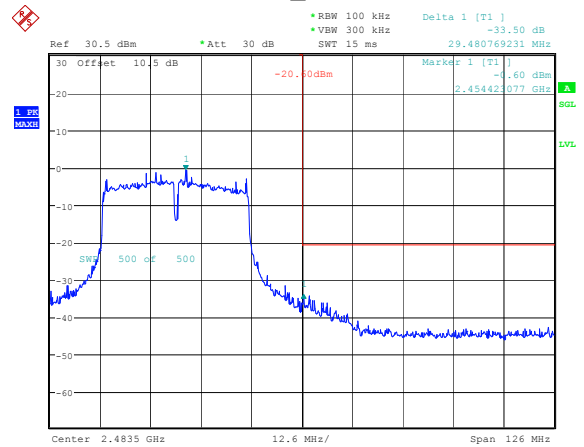
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:01:39

802.11n40_2422MHz



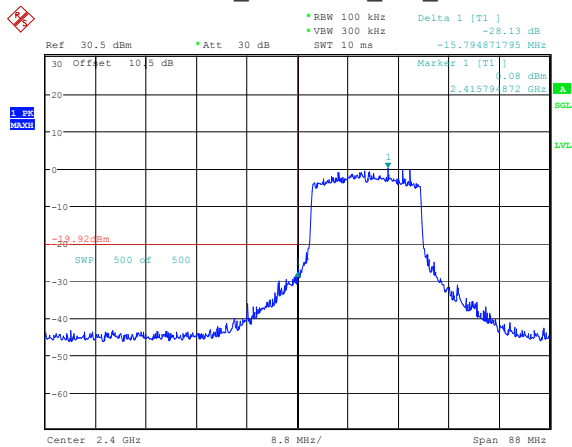
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:05:26

802.11n40_2452MHz



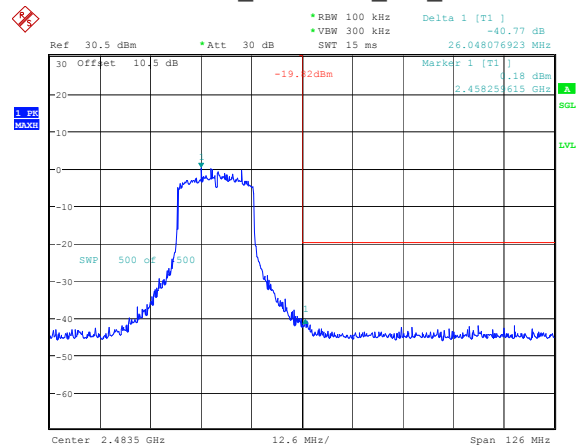
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:13:59

802.11ax20_2412MHz_RU_Full



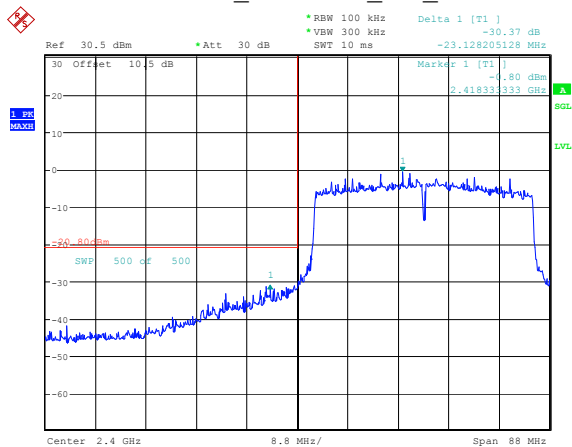
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:24:39

802.11ax20_2462MHz_RU_Full



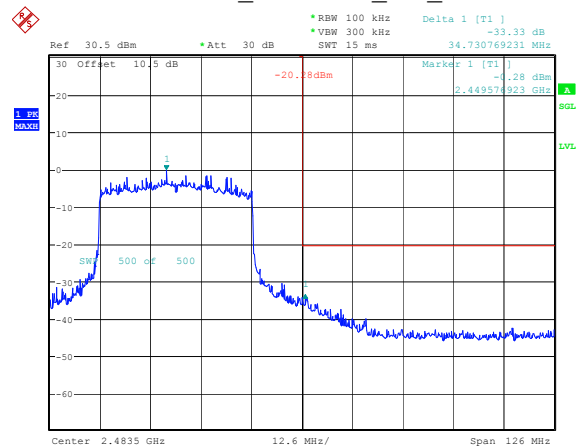
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Date: 16.DEC.2024 19:30:40

802.11ax40_2422MHz_RU_Full



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 19:35:12

802.11ax40_2452MHz_RU_Full



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 20:01:54

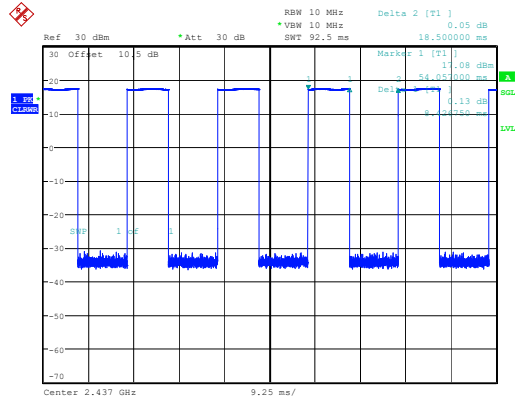
Duty Cycle

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	Chain 0	2437	8.427	18.500	45.55	3.41	119	0.200
802.11g	Chain 0	2437	1.382	11.426	12.10	9.17	724	1
802.11n20	Chain 0	2437	5.090	15.162	33.57	4.74	196	0.200
802.11n40	Chain 0	2437	4.888	14.955	32.68	4.86	205	0.300
802.11ax20_RU_Full	Chain 0	2437	3.871	13.922	27.80	5.56	258	0.300
802.11ax40_RU_Full	Chain 0	2437	3.873	13.951	27.76	5.57	258	0.300

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

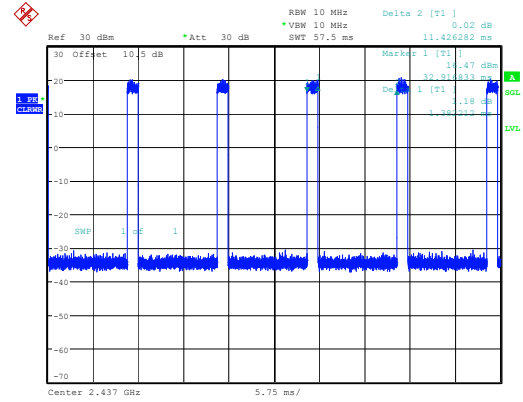
2.4G

802.11b_2437MHz
8.427ms,18.500ms



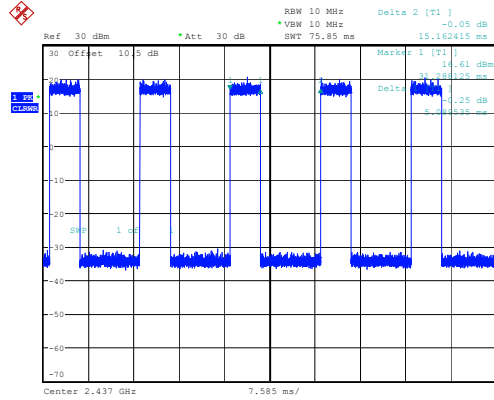
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:11:26

802.11g_2437MHz
1.382ms,11.426ms



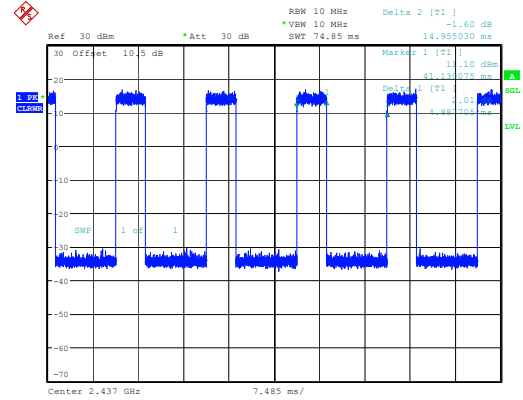
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:17:23

802.11n20_2437MHz
5.090ms,15.162ms



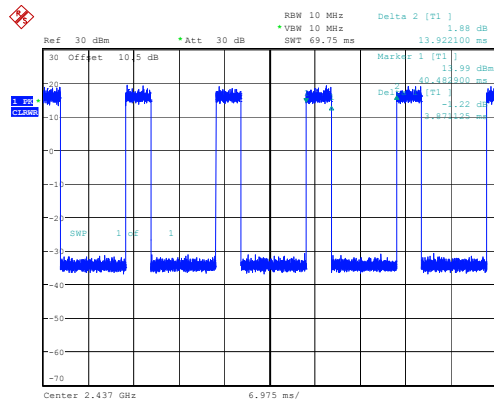
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:17:59

802.11n40_2437MHz
4.888ms,14.955ms



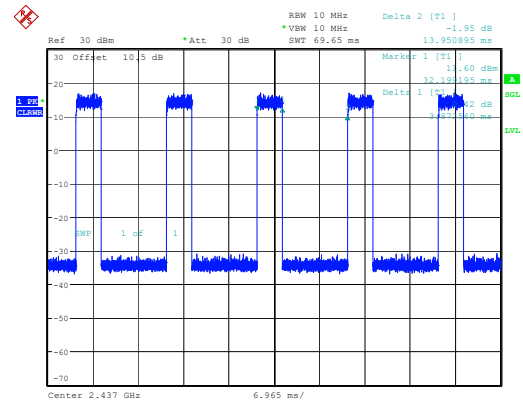
Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:16:14

802.11ax20_2437MHz_RU_Full
3.871ms,13.922ms



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:19:05

802.11ax40_2437MHz_RU_Full
3.873ms,13.951ms



Comment: ProjectNo.:2403Z107562E-RF Tester:Lingling Li
Date: 16.DEC.2024 17:19:41