

Test Information:

Sample No.:	2TA4-2	Test Date:	2024/11/04~2024/11/12
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	26.3-27.5	Relative Humidity: (%)	52-56	ATM Pressure: (kPa)	100.8-100.9
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Test Equipment List and Details:

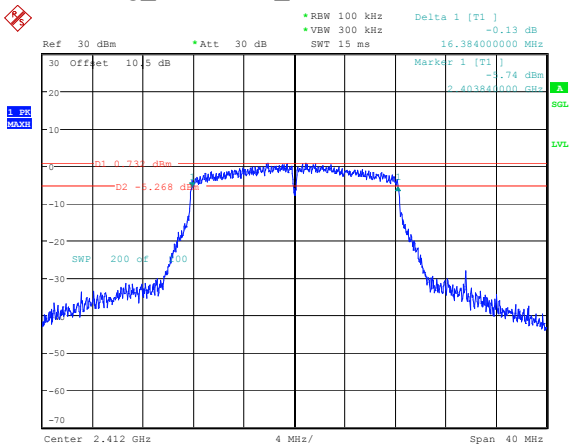
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

* 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

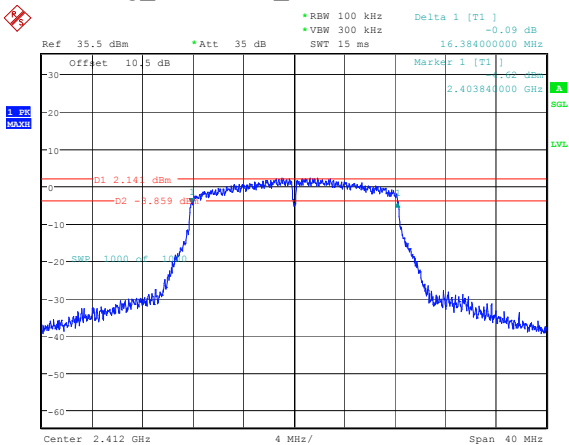
Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	8.128	≥0.5	Pass
		2437	8.608	≥0.5	Pass
		2462	8.608	≥0.5	Pass
	Chain 1	2412	8.128	≥0.5	Pass
		2437	8.128	≥0.5	Pass
		2462	8.128	≥0.5	Pass
802.11g	Chain 0	2412	16.384	≥0.5	Pass
		2437	16.416	≥0.5	Pass
		2462	16.384	≥0.5	Pass
	Chain 1	2412	16.384	≥0.5	Pass
		2437	16.416	≥0.5	Pass
		2462	16.384	≥0.5	Pass
802.11n20	Chain 0	2412	17.664	≥0.5	Pass
		2437	17.344	≥0.5	Pass
		2462	17.664	≥0.5	Pass
	Chain 1	2412	17.664	≥0.5	Pass
		2437	17.632	≥0.5	Pass
		2462	17.664	≥0.5	Pass

802.11g_2412MHz_Chain 0 16.384MHz



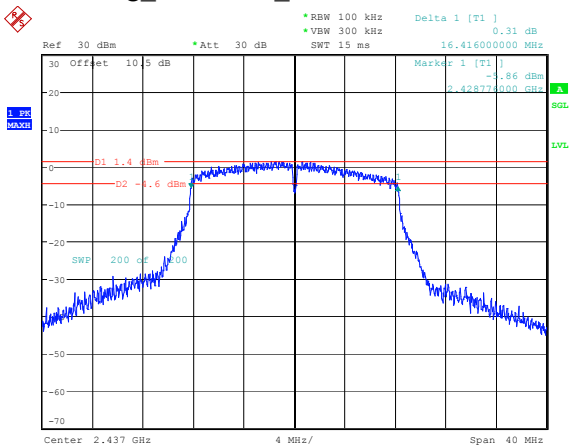
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:53:56

802.11g_2412MHz_Chain 1 16.384MHz



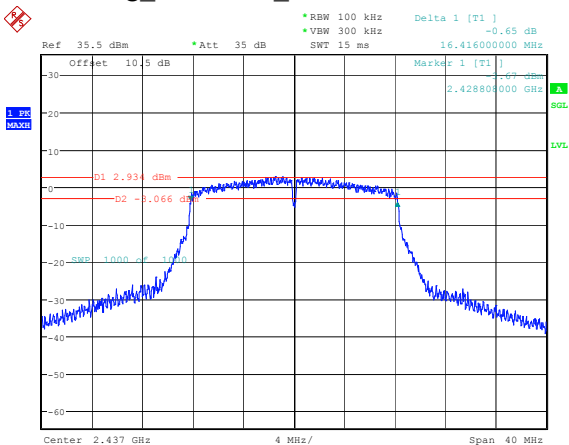
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11.NOV.2024 16:27:00

802.11g_2437MHz_Chain 0 16.416MHz



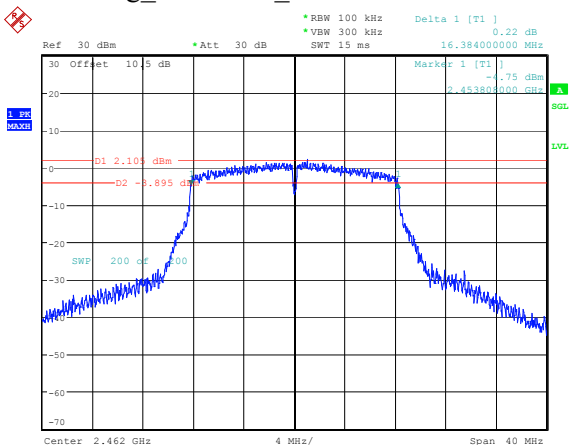
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Date: 4.NOV.2024 15:56:53

802.11g_2437MHz_Chain 1 16.416MHz



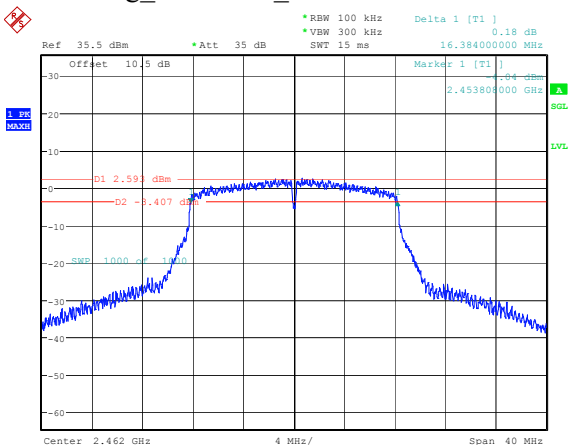
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802.11g_2462MHz_Chain 0 16.384MHz



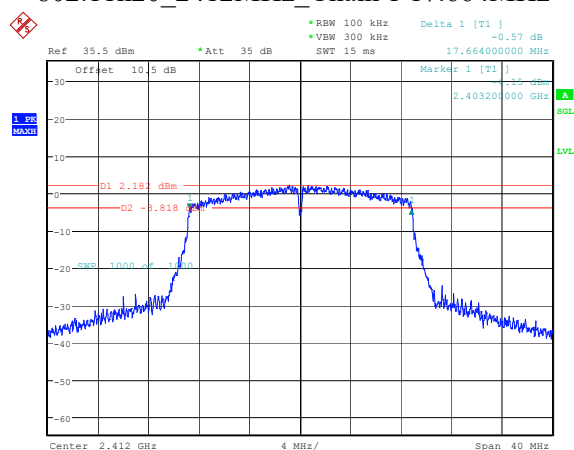
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:59:08

802.11g_2462MHz_Chain 1 16.384MHz



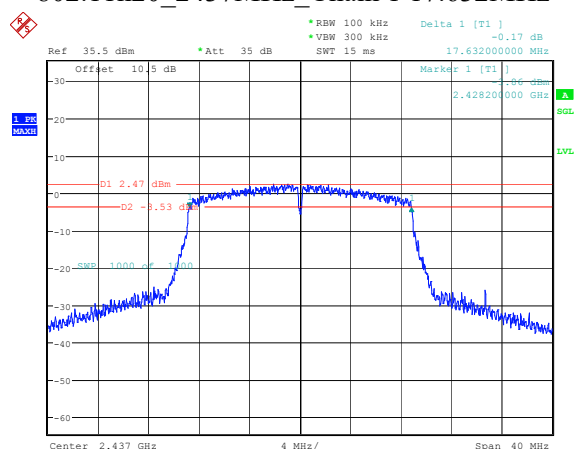
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11.NOV.2024 16:32:37

802.11n20 2412MHz Chain 1 17.664MHz



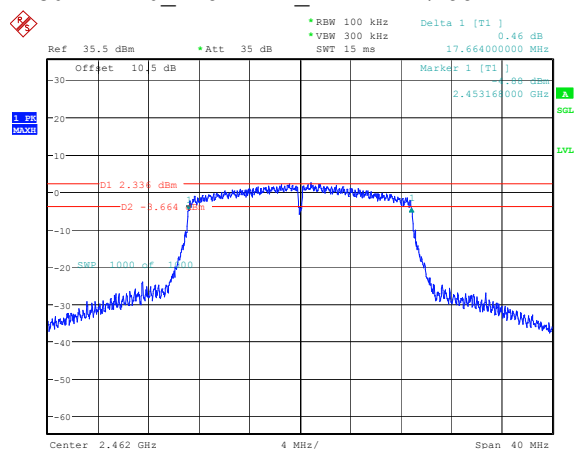
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11 NOV 2024 16:34:52

802.11n20 2437MHz Chain 1 17.632MHz



Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11-NOV-2024 16:37:00

802.11n20 2462MHz Chain 1 17.664MHz



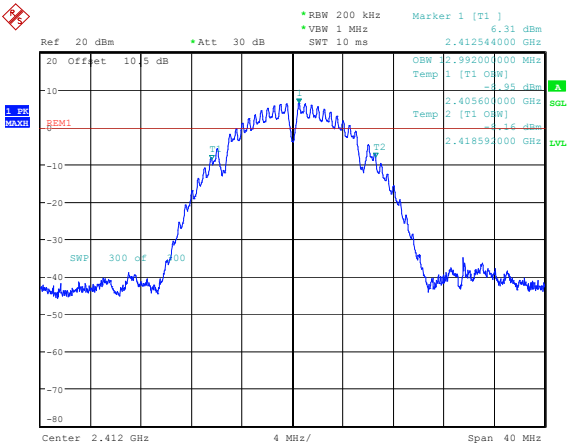
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11.NOV.2024 16:38:51

99% Occupied Bandwidth

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11b	Chain 0	2412	12.992
		2437	12.704
		2462	12.992
	Chain 1	2412	12.736
		2437	12.928
		2462	12.960
802.11g	Chain 0	2412	16.608
		2437	16.512
		2462	16.576
	Chain 1	2412	16.544
		2437	16.576
		2462	16.608
802.11n20	Chain 0	2412	17.664
		2437	17.600
		2462	17.696
	Chain 1	2412	17.632
		2437	17.696
		2462	17.696

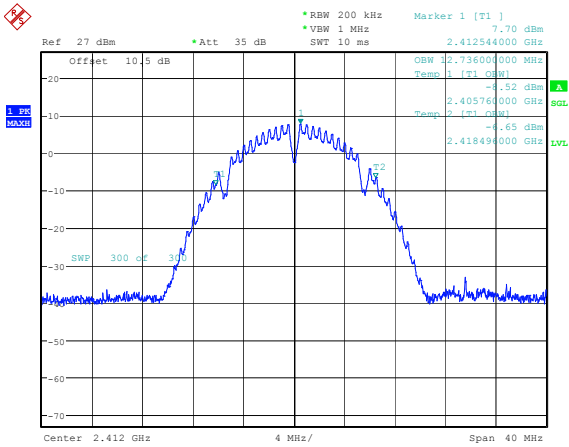
2.4G

802.11b_2412MHz_Chain 0 12.992MHz



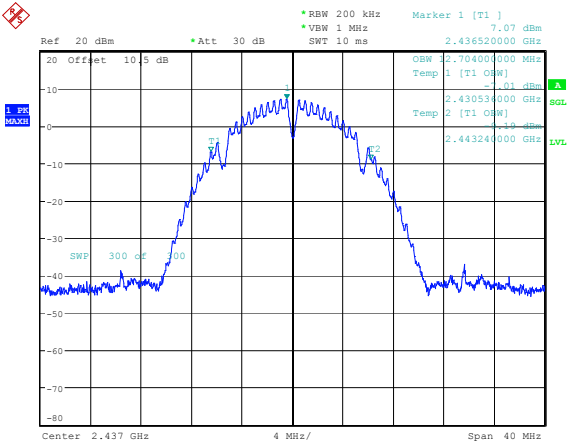
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:44:42

802.11b_2412MHz_Chain 1 12.736MHz



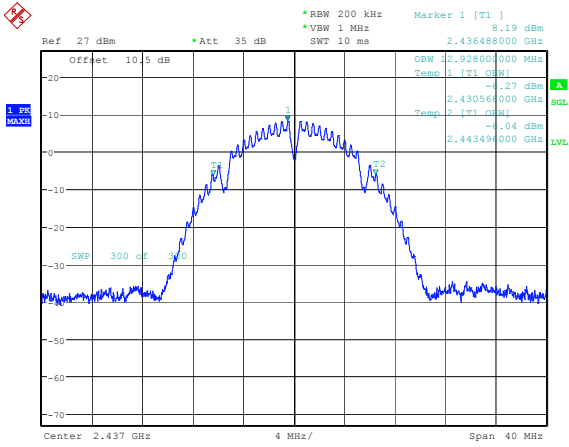
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11.NOV.2024 16:19:22

802.11b_2437MHz_Chain 0 12.704MHz



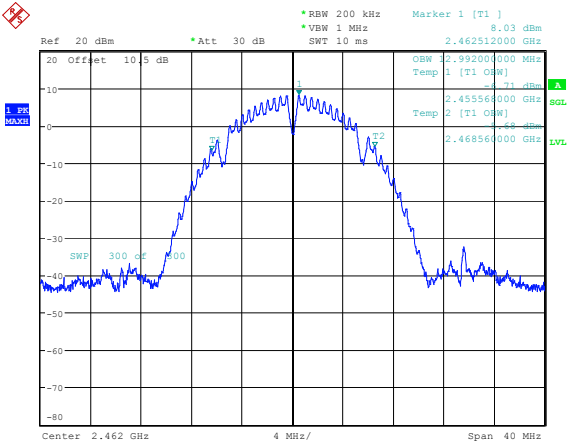
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:47:54

802.11b_2437MHz_Chain 1 12.928MHz



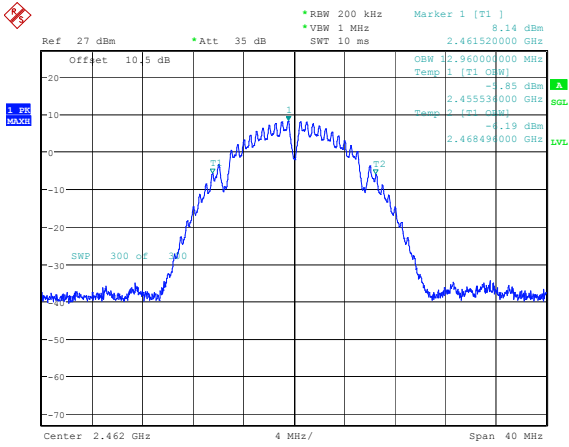
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Date: 11.NOV.2024 16:21:12

802.11b_2462MHz_Chain 0 12.992MHz



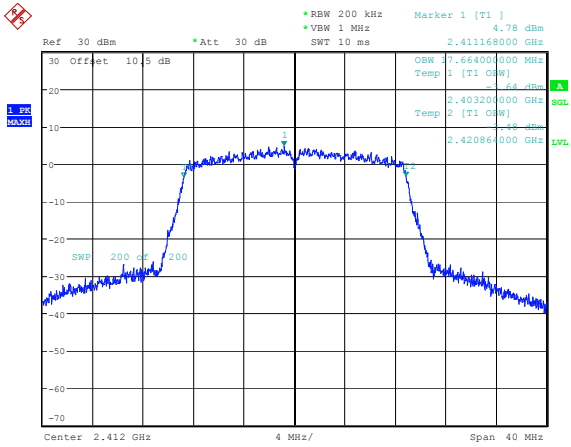
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:49:30

802.11b_2462MHz_Chain 1 12.960MHz



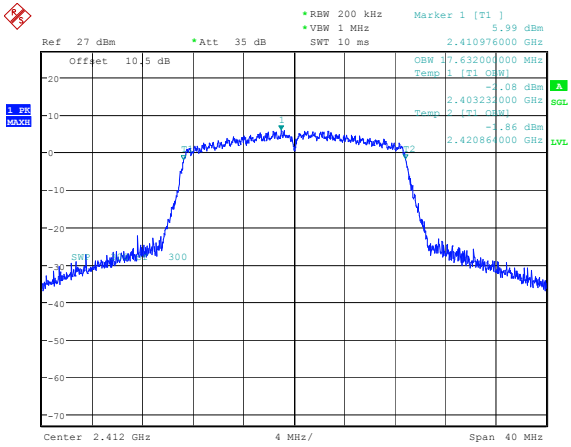
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11.NOV.2024 16:23:12

802.11n20_2412MHz_Chain 0 17.664MHz



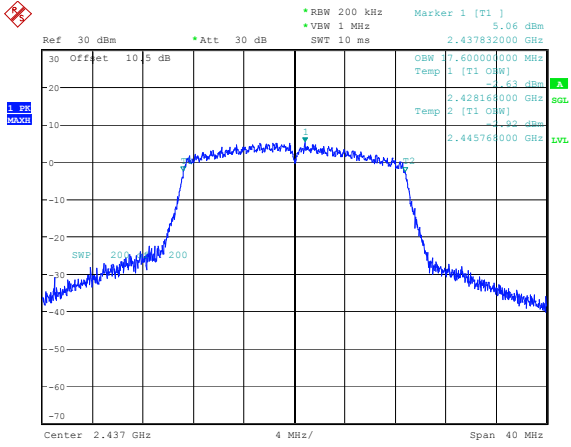
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:02:35

802.11n20_2412MHz_Chain 1 17.632MHz



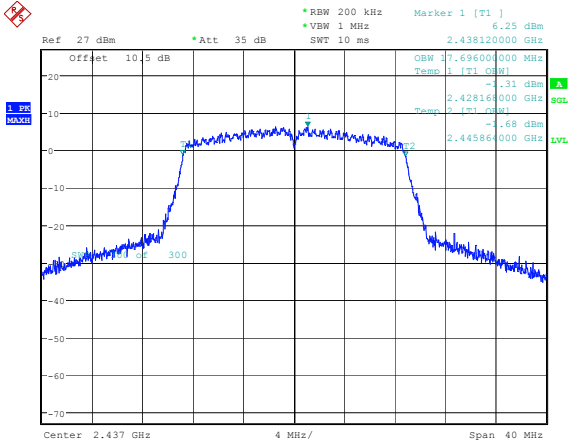
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Date: 11.NOV.2024 16:35:13

802.11n20_2437MHz_Chain 0 17.600MHz



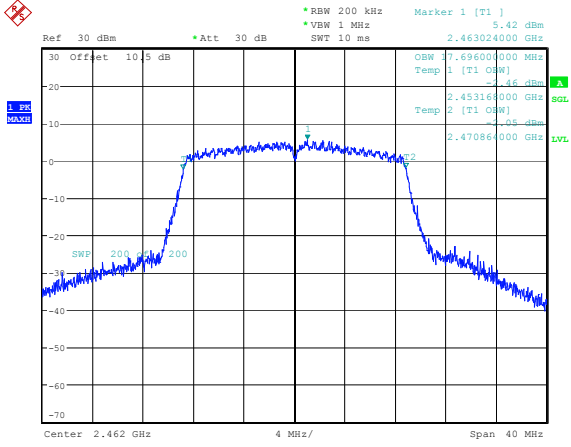
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Date: 4.NOV.2024 16:05:34

802.11n20_2437MHz_Chain 1 17.696MHz



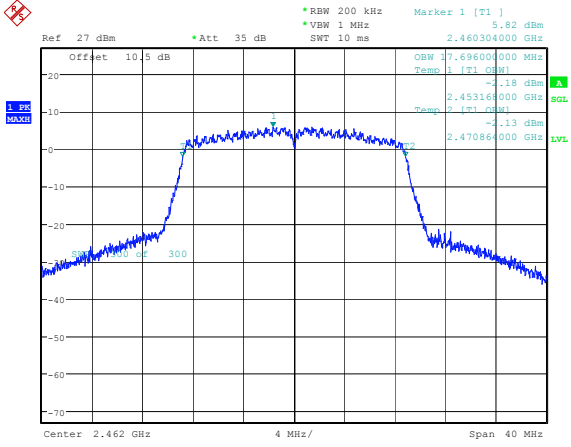
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11.NOV.2024 16:37:21

802.11n20_2462MHz_Chain 0 17.696MHz



Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:07:27

802.11n20_2462MHz_Chain 1 17.696MHz



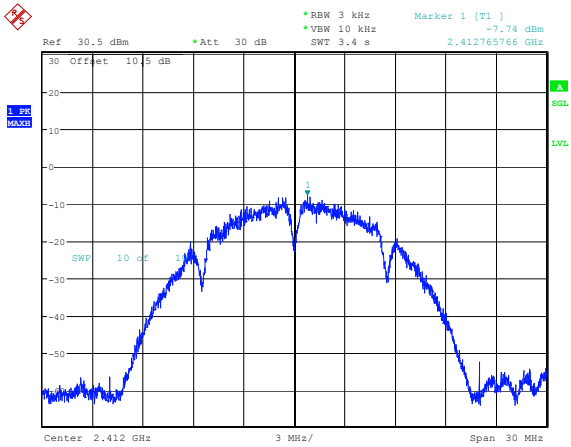
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 11.NOV.2024 16:39:10

Power Spectral Density

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Chain 0	2412	-7.74	8	Pass
		2437	-6.87	8	Pass
		2462	-6.05	8	Pass
	Chain 1	2412	-6.13	8	Pass
		2437	-5.70	8	Pass
		2462	-6.90	8	Pass
802.11g	Chain 0	2412	-10.82	8	Pass
		2437	-9.46	8	Pass
		2462	-10.35	8	Pass
	Chain 1	2412	-9.27	8	Pass
		2437	-8.29	8	Pass
		2462	-9.20	8	Pass
802.11n20	Chain 0	2412	-11.29	8	Pass
		2437	-9.83	8	Pass
		2462	-8.95	8	Pass
	Chain 1	2412	-9.64	8	Pass
		2437	-9.21	8	Pass
		2462	-8.11	8	Pass

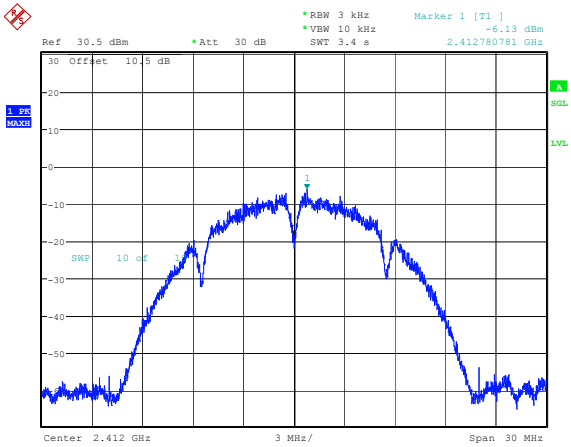
2.4G

802.11b_2412MHz_Chain 0 -7.74dBm/3kHz



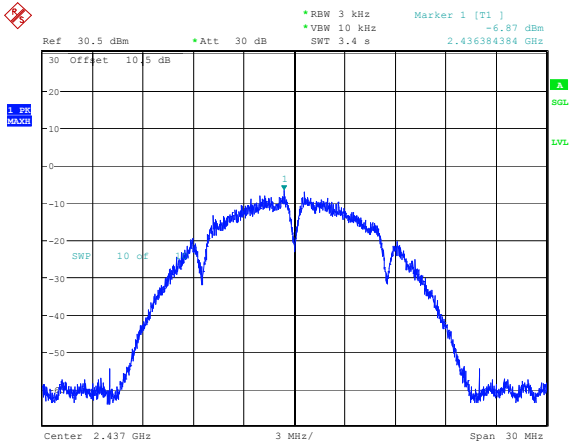
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 09:59:47

802.11b_2412MHz_Chain 1 -6.13dBm/3kHz



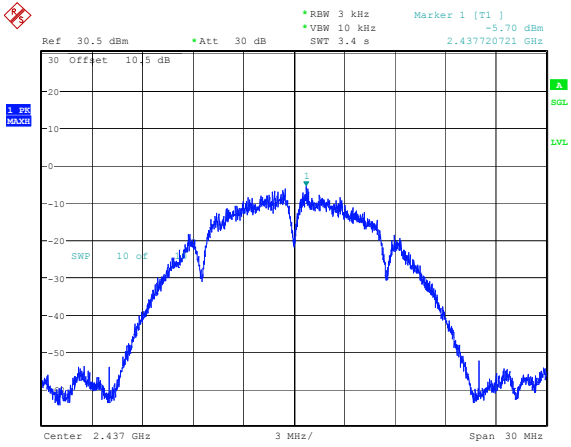
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:35:52

802.11b_2437MHz_Chain 0 -6.87dBm/3kHz



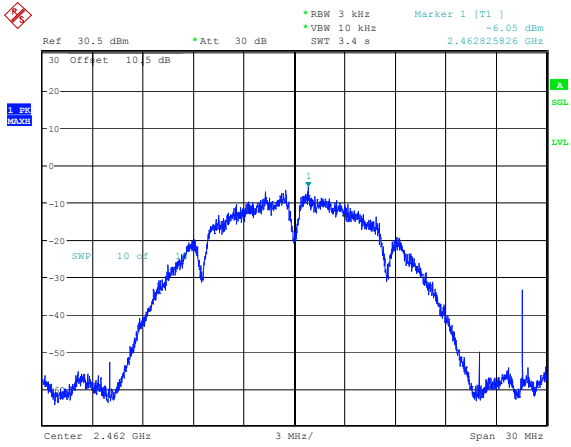
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 10:00:38

802.11b_2437MHz_Chain 1 -5.70dBm/3kHz



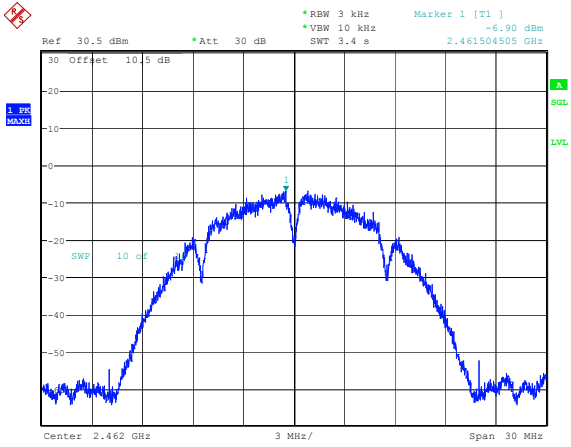
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:36:54

802.11b_2462MHz_Chain 0 -6.05dBm/3kHz



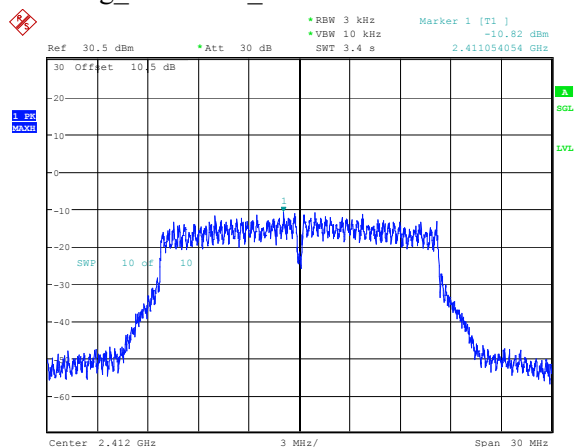
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 10:01:33

802.11b_2462MHz_Chain 1 -6.90dBm/3kHz



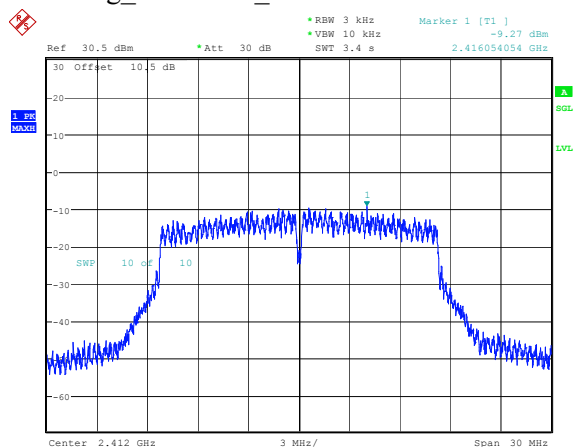
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:37:58

802.11g_2412MHz_Chain 0 -10.82dBm/3kHz



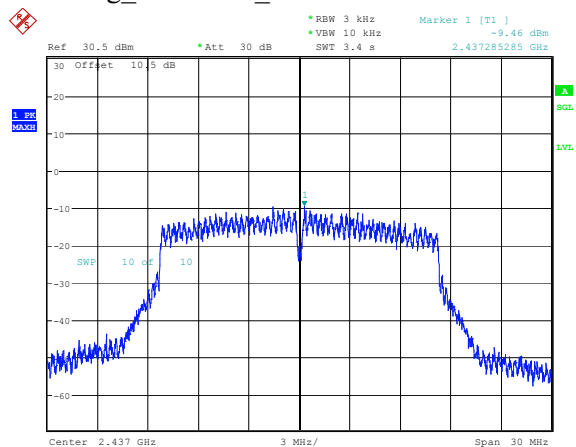
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:56:18

802.11g_2412MHz_Chain 1 -9.27dBm/3kHz



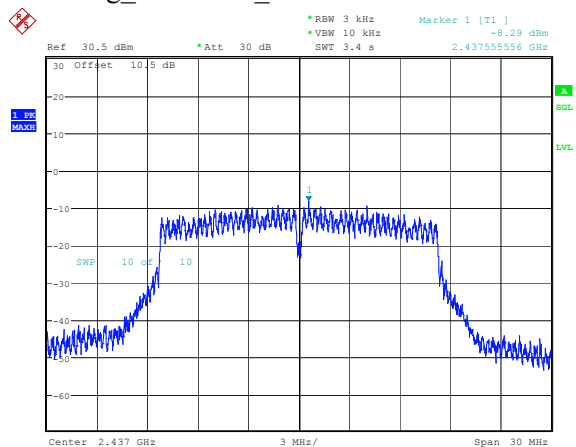
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:39:05

802.11g_2437MHz_Chain 0 -9.46dBm/3kHz



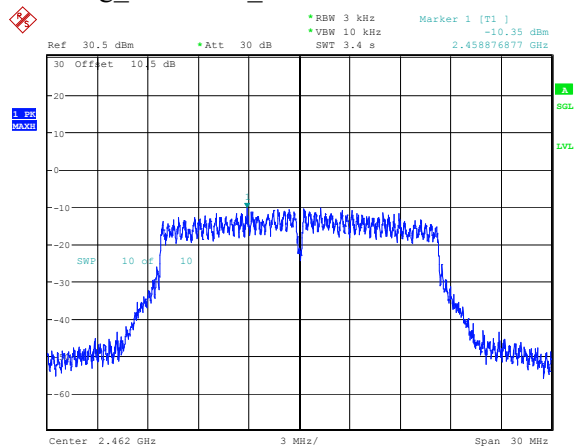
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:58:04

802.11g_2437MHz_Chain 1 -8.29dBm/3kHz



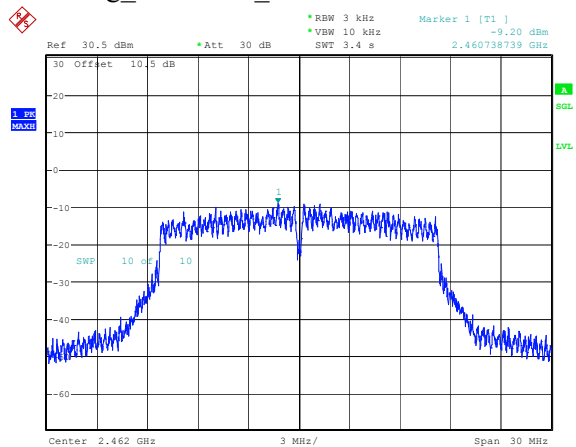
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:40:08

802.11g_2462MHz_Chain 0 -10.35dBm/3kHz



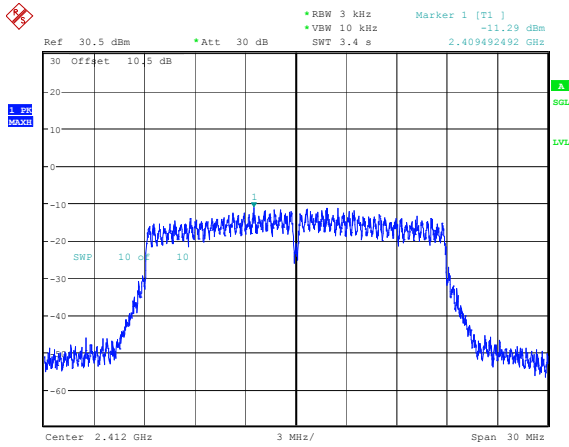
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Date: 4.NOV.2024 16:01:20

802.11g_2462MHz_Chain 1 -9.20dBm/3kHz



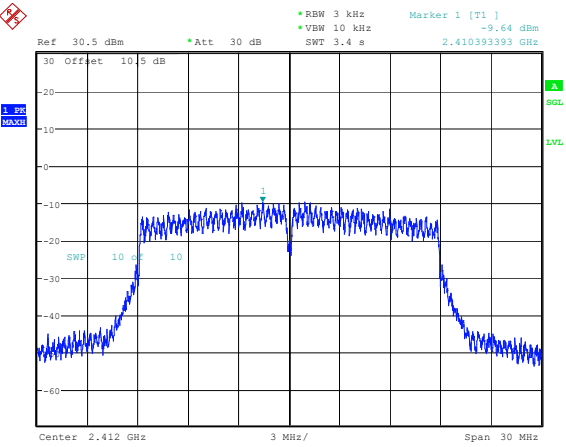
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Date: 4.NOV.2024 16:41:06

802.11n20_2412MHz_Chain 0 -11.29dBm/3kHz



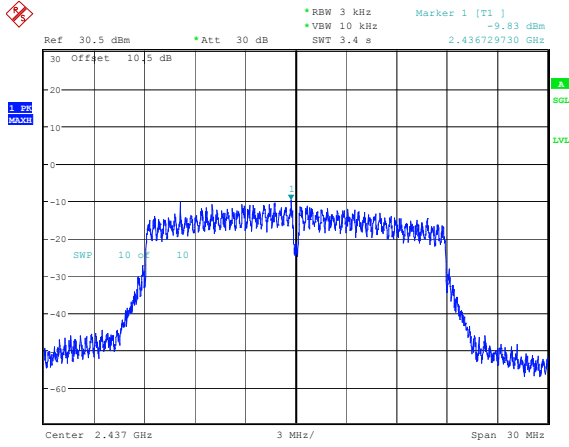
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling LI
Date: 4.NOV.2024 16:04:31

802.11n20_2412MHz_Chain 1 -9.64dBm/3kHz



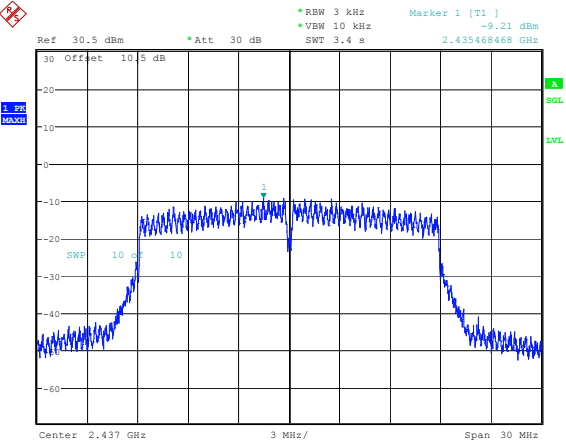
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling LI
Date: 5.NOV.2024 09:34:59

802.11n20_2437MHz_Chain 0 -9.83dBm/3kHz



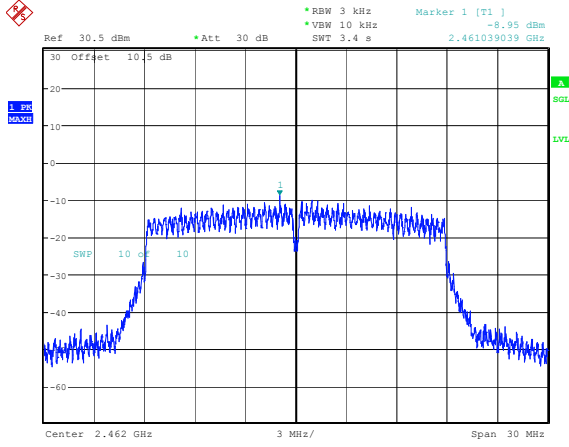
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling LI
Date: 4.NOV.2024 16:06:17

802.11n20_2437MHz_Chain 1 -9.21dBm/3kHz



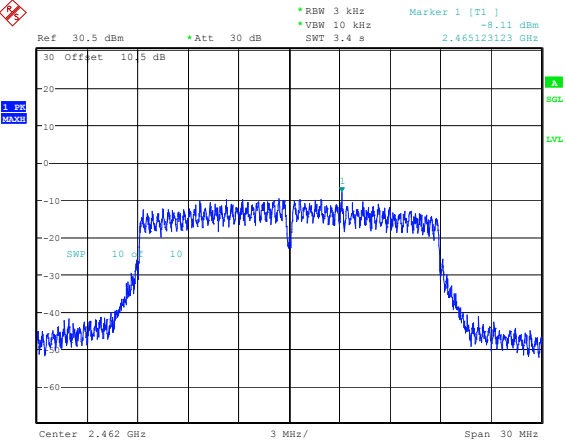
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling LI
Date: 5.NOV.2024 09:38:06

802.11n20_2462MHz_Chain 0 -8.95dBm/3kHz



Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling LI
Date: 4.NOV.2024 16:09:14

802.11n20_2462MHz_Chain 1 -8.11dBm/3kHz



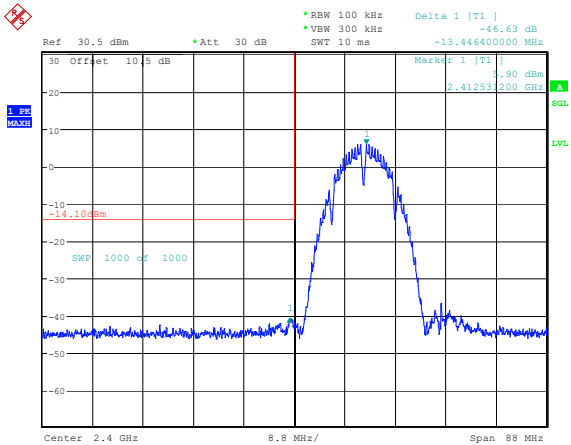
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling LI
Date: 5.NOV.2024 09:39:10

100 kHz Bandwidth of Frequency Band Edge

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	46.63	20	Pass
		2462	49.94	20	Pass
	Chain 1	2412	48.28	20	Pass
		2462	50.26	20	Pass
802.11g	Chain 0	2412	32.12	20	Pass
		2462	44.23	20	Pass
	Chain 1	2412	30.30	20	Pass
		2462	44.01	20	Pass
802.11n20	Chain 0	2412	31.14	20	Pass
		2462	43.54	20	Pass
	Chain 1	2412	29.19	20	Pass
		2462	35.10	20	Pass

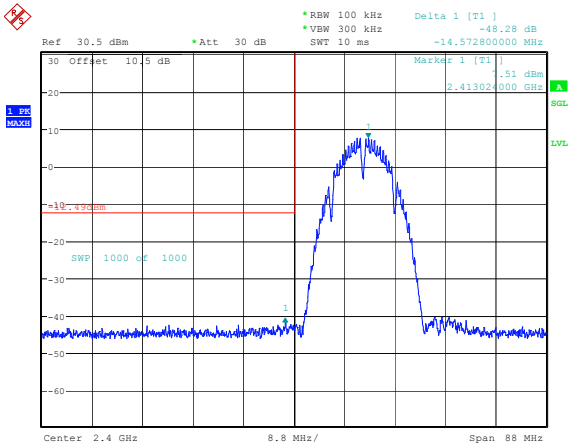
2.4G

802.11b_2412MHz_Chain 0 46.63dB



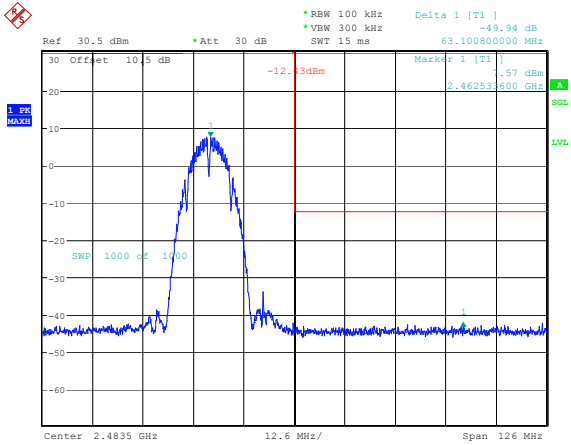
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:46:22

802.11b_2412MHz_Chain 1 48.28dB



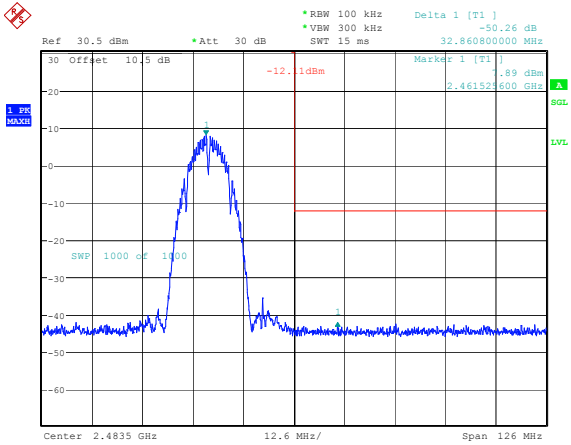
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:25:33

802.11b_2462MHz_Chain 0 49.94dB



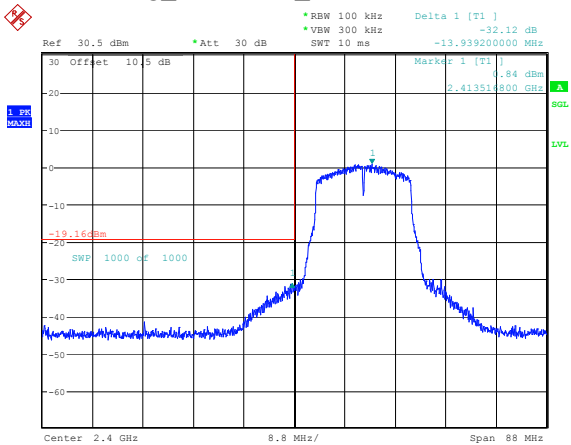
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:50:33

802.11b_2462MHz_Chain 1 50.26dB



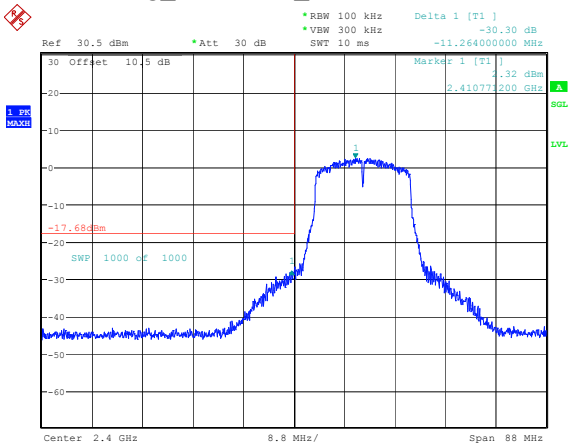
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 09:50:13

802.11g_2412MHz_Chain 0 32.12dB



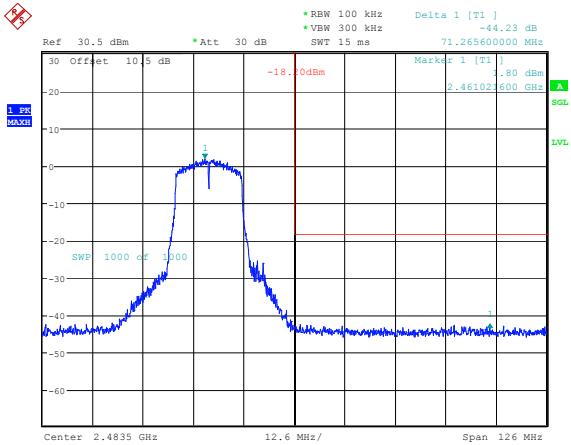
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:55:34

802.11g_2412MHz_Chain 1 30.30dB



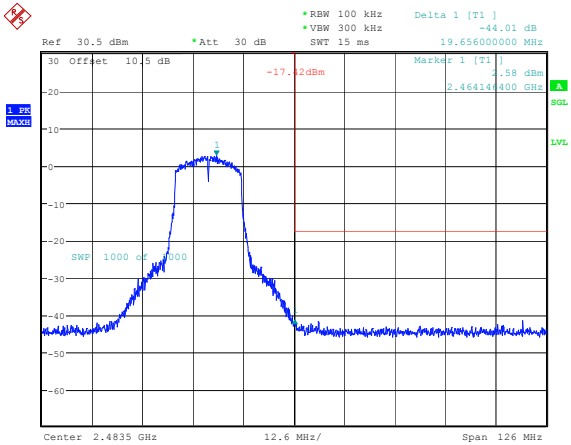
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 09:51:38

802.11g_2462MHz_Chain 0 44.23dB



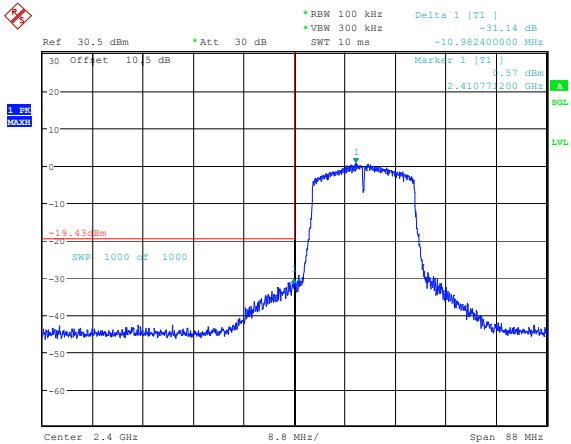
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:00:36

802.11g_2462MHz_Chain 1 44.01dB



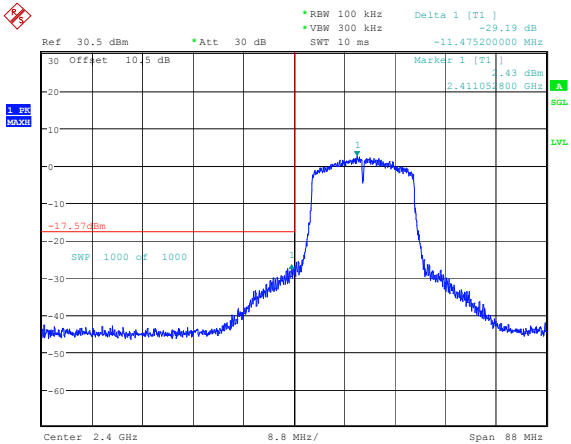
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 09:52:49

802.11n20_2412MHz_Chain 0 31.14dB



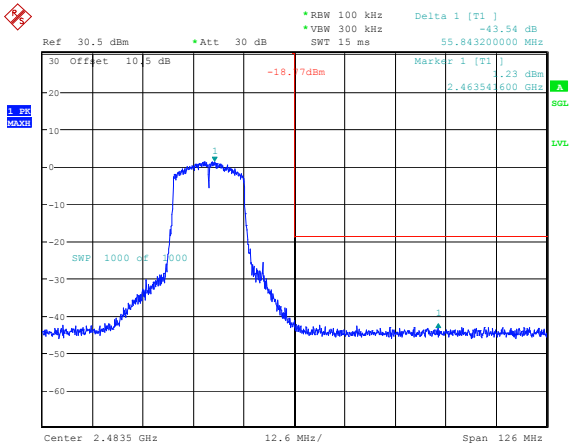
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:03:47

802.11n20_2412MHz_Chain 1 29.19dB



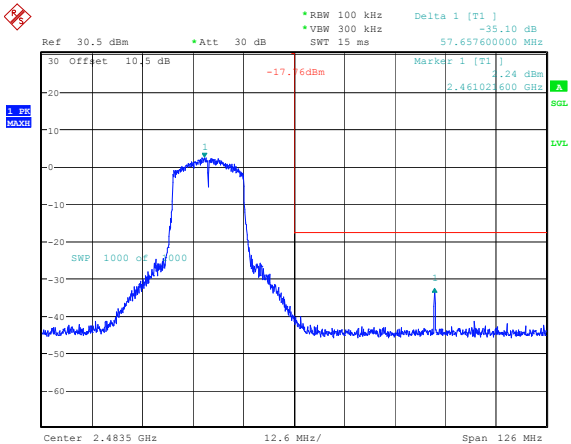
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 09:54:15

802.11n20_2462MHz_Chain 0 43.54dB



Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 16:08:29

802.11n20_2462MHz_Chain 1 35.10dB



Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 5.NOV.2024 09:55:23

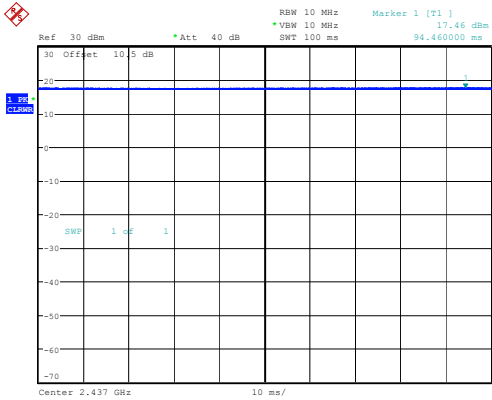
Duty Cycle

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	100	100	100	0	NA	0.010
	Chain 1	2437	100	100	100	0	NA	0.010
802.11g	Chain 0	2437	100	100	100	0	NA	0.010
	Chain 1	2437	100	100	100	0	NA	0.010
802.11n20	Chain 0	2437	100	100	100	0	NA	0.010
	Chain 1	2437	100	100	100	0	NA	0.010

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

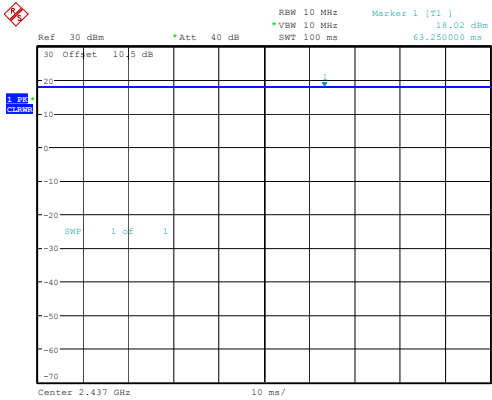
2.4G

802.11b_2437MHz_Chain 0
100ms,100ms



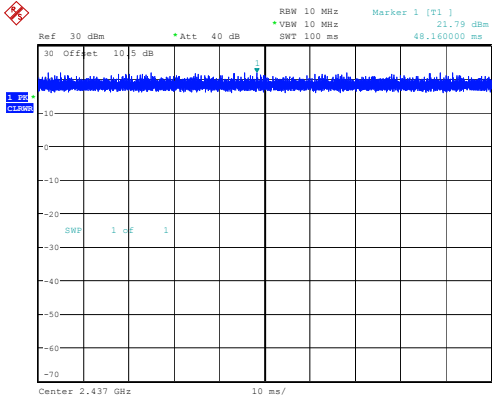
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:41:10

802.11b_2437MHz_Chain 1
100ms,100ms



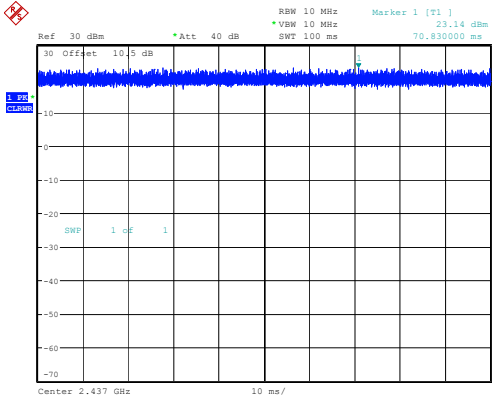
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 12.NOV.2024 09:49:57

802.11g_2437MHz_Chain 0
100ms,100ms



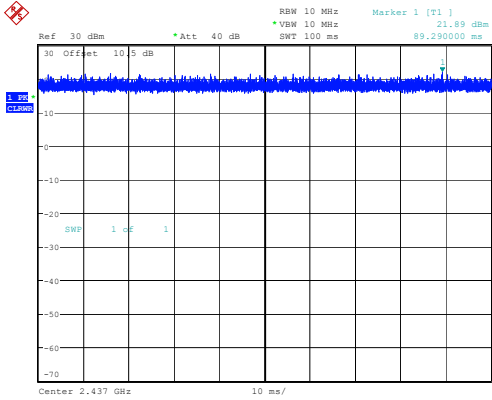
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:41:43

802.11g_2437MHz_Chain 1
100ms,100ms



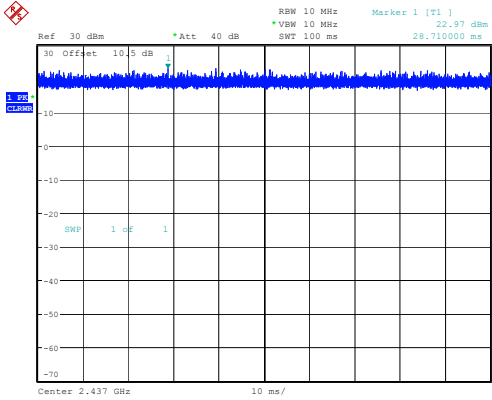
Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 12.NOV.2024 09:50:32

802.11n20_2437MHz_Chain 0
100ms,100ms



Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 4.NOV.2024 15:42:22

802.11n20_2437MHz_Chain 1
100ms,100ms



Comment: ProjectNo.:2403Y100558E-RF Tester:Lingling Li
Date: 12.NOV.2024 09:51:15