

Test Information:

Sample No.:	2XL7-1	Test Date:	2025/01/23
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	24.6	Relative Humidity: (%)	52	ATM Pressure: (kPa)	101.1
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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
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A

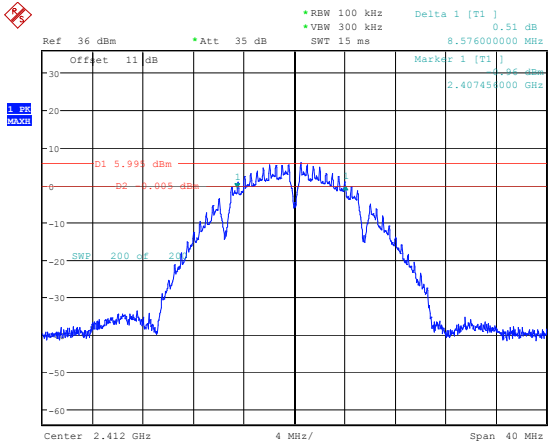
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	8.576	≥ 0.5	Pass
	2437	9.056	≥ 0.5	Pass
	2462	8.096	≥ 0.5	Pass
802.11g	2412	16.096	≥ 0.5	Pass
	2437	15.744	≥ 0.5	Pass
	2462	15.136	≥ 0.5	Pass
802.11n20	2412	16.512	≥ 0.5	Pass
	2437	16.160	≥ 0.5	Pass
	2462	16.448	≥ 0.5	Pass
802.11n40	2422	35.264	≥ 0.5	Pass
	2437	35.200	≥ 0.5	Pass
	2452	36.032	≥ 0.5	Pass

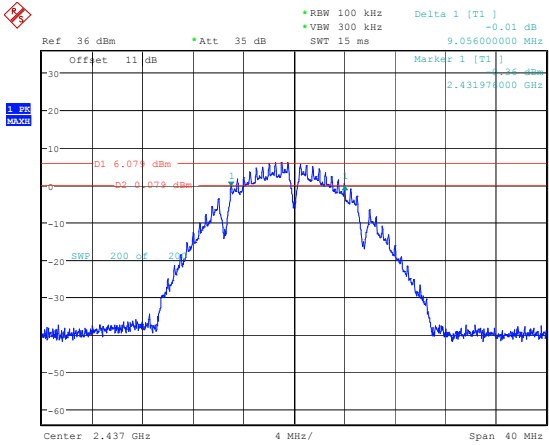
2.4G

802.11b_2412MHz



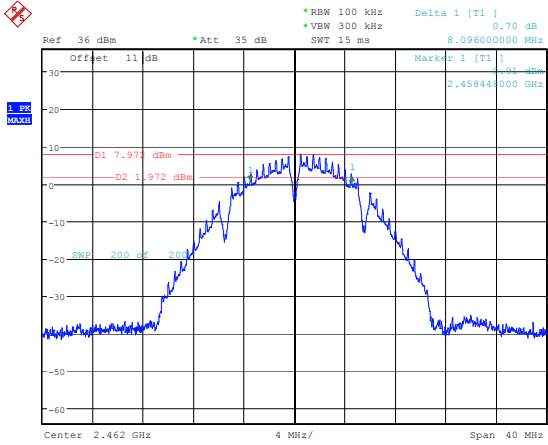
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 15:55:38

802.11b_2437MHz



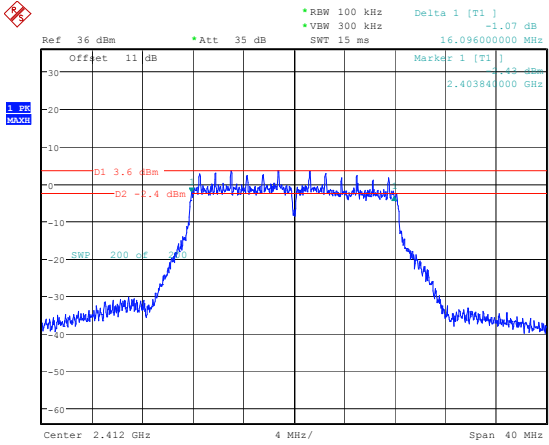
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 15:57:54

802.11b_2462MHz



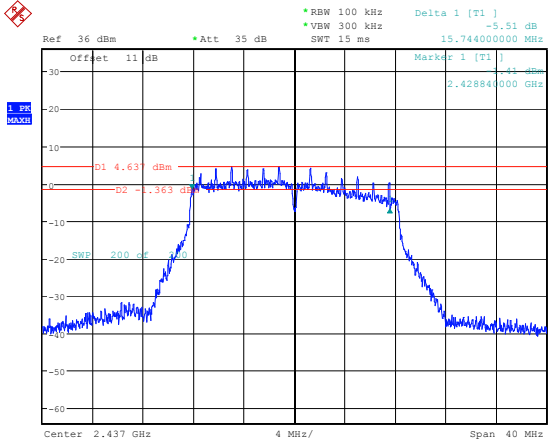
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 15:59:40

802.11g_2412MHz



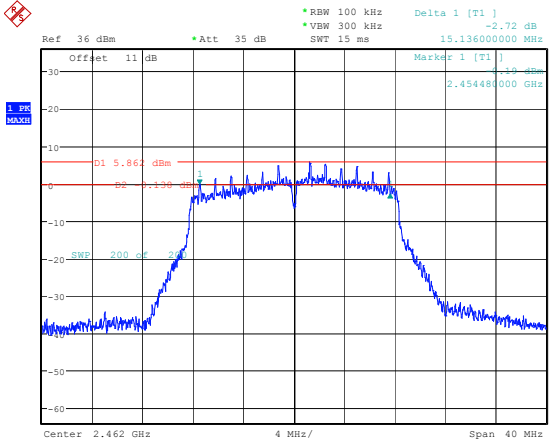
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:38:10

802.11g_2437MHz



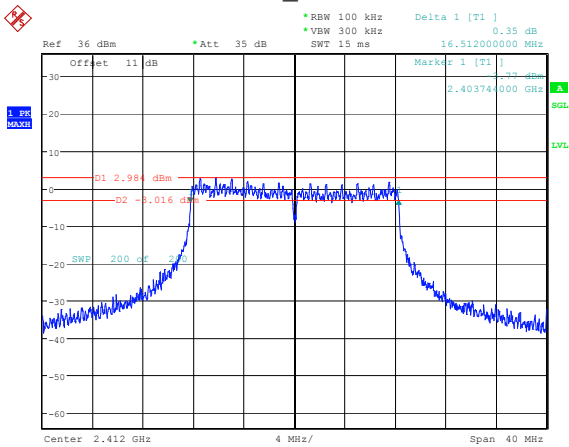
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:41:04

802.11g_2462MHz



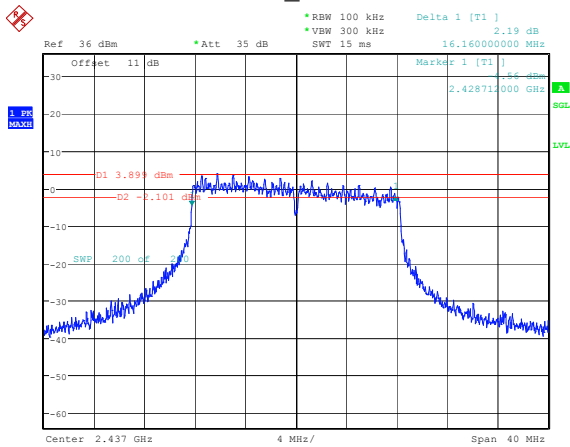
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Date: 23.JAN.2025 16:42:49

802.11n20_2412MHz



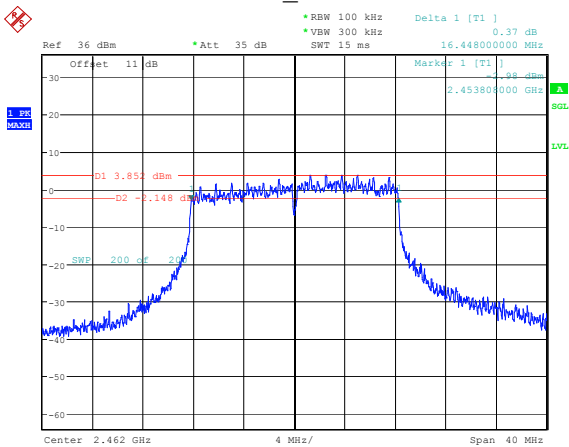
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802.11n20_2437MHz



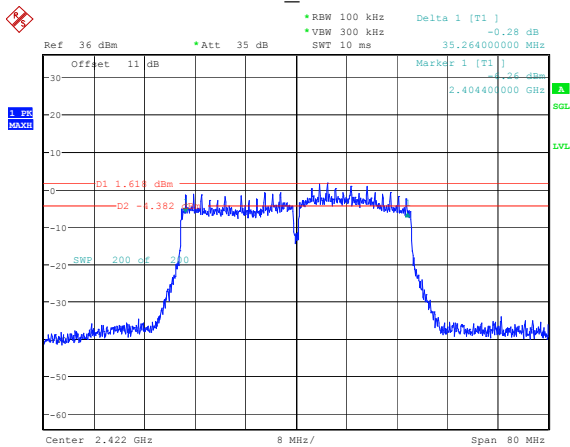
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:51:14

802.11n20_2462MHz



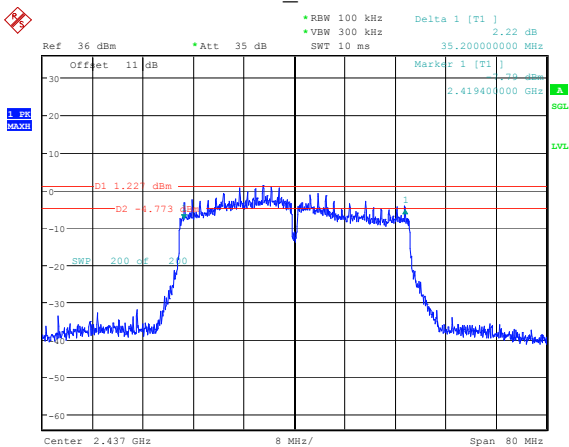
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:52:57

802.11n40_2422MHz



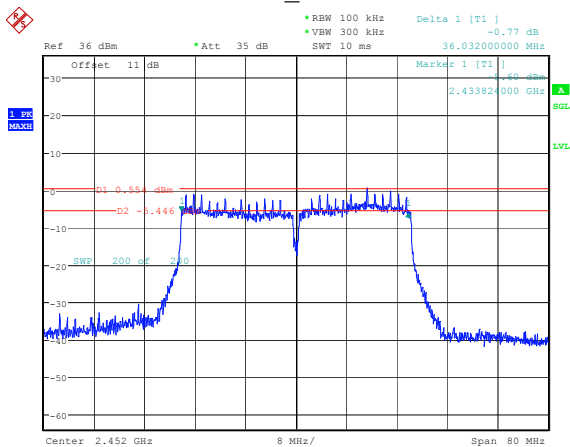
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Date: 23.JAN.2025 16:57:58

802.11n40_2437MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 17:01:08

802.11n40_2452MHz



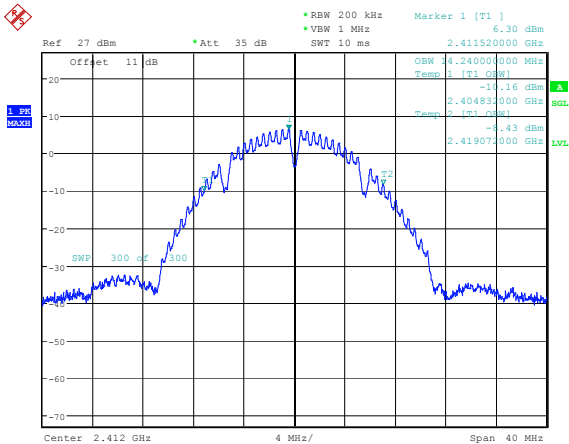
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 17:05:45

99% Occupied Bandwidth

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	14.240
	2437	13.600
	2462	13.440
802.11g	2412	16.704
	2437	16.512
	2462	16.416
802.11n20	2412	16.768
	2437	16.640
	2462	16.512
802.11n40	2422	36.288
	2437	36.160
	2452	36.672

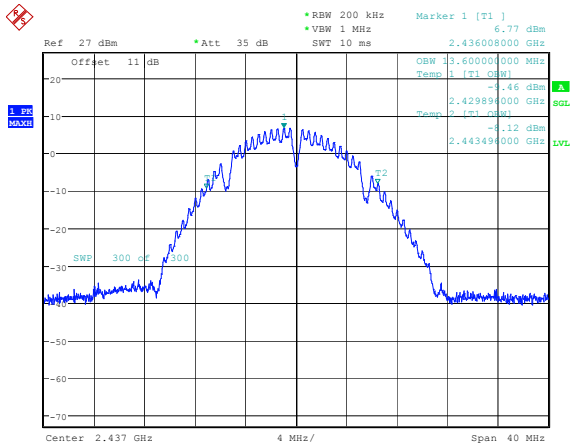
2.4G

802.11b_2412MHz



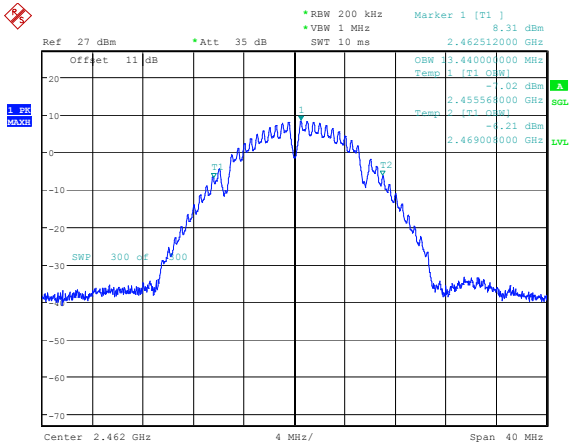
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Date: 23.JAN.2025 15:56:07

802.11b_2437MHz



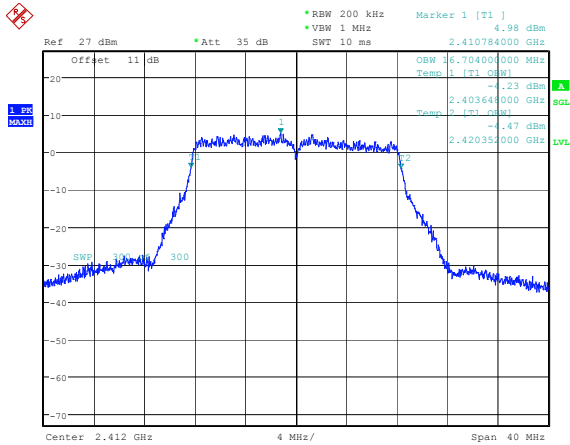
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 15:58:22

802.11b_2462MHz



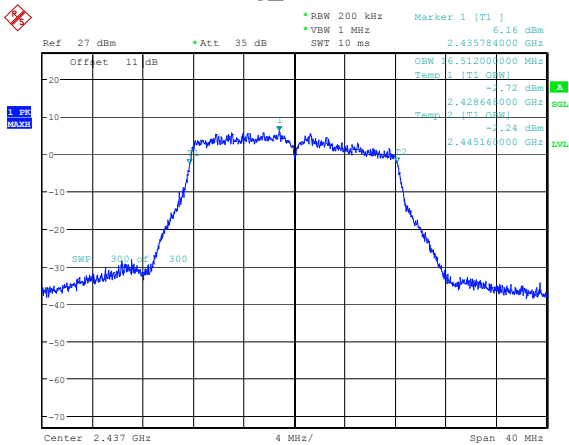
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Date: 23.JAN.2025 16:00:10

802.11g_2412MHz



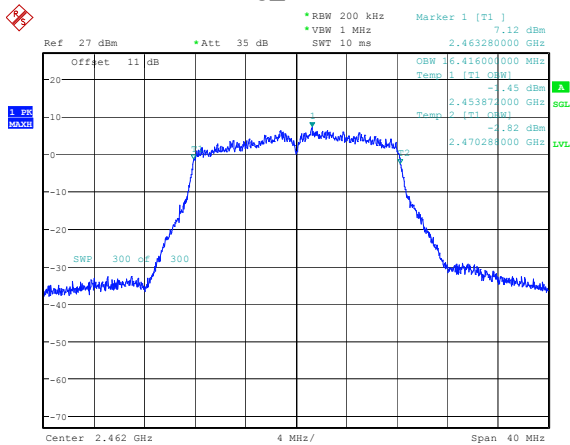
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Date: 23.JAN.2025 16:38:39

802.11g_2437MHz



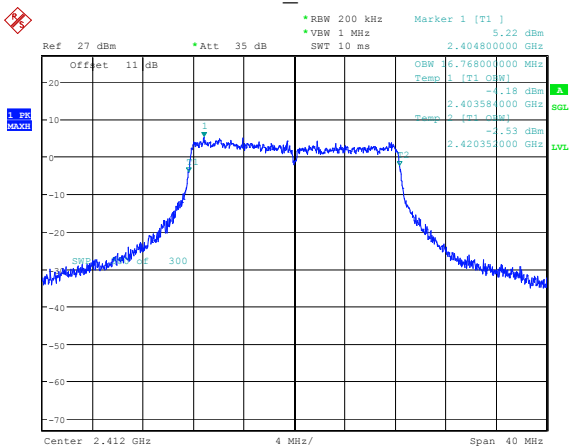
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:41:33

802.11g_2462MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:43:18

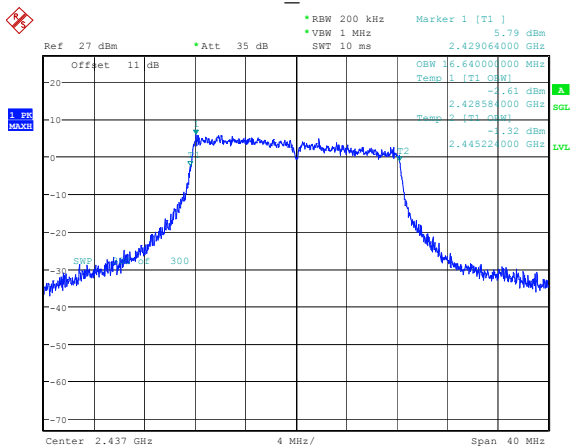
802.11n20_2412MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li

Date: 23.JAN.2025 16:49:06

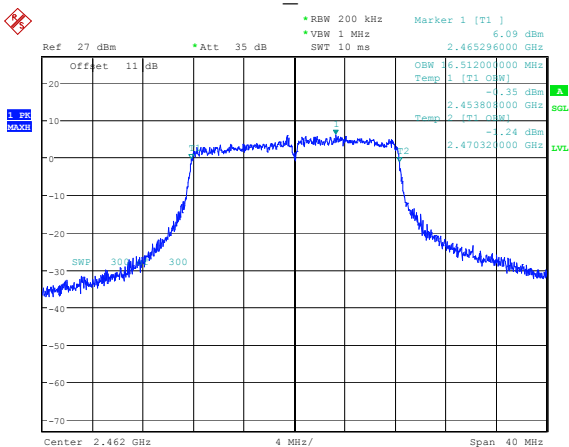
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Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li

Date: 23.JAN.2025 16:51:42

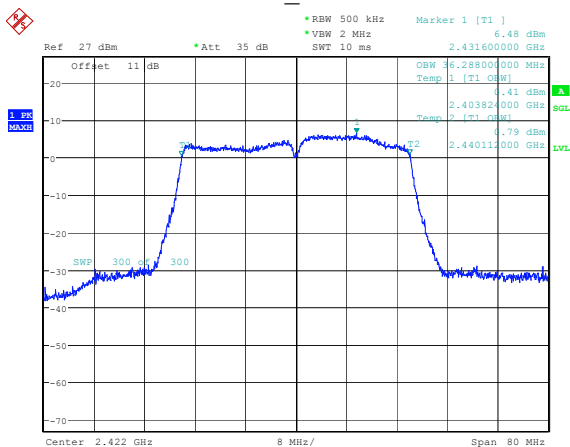
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Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li

Date: 23.JAN.2025 16:53:25

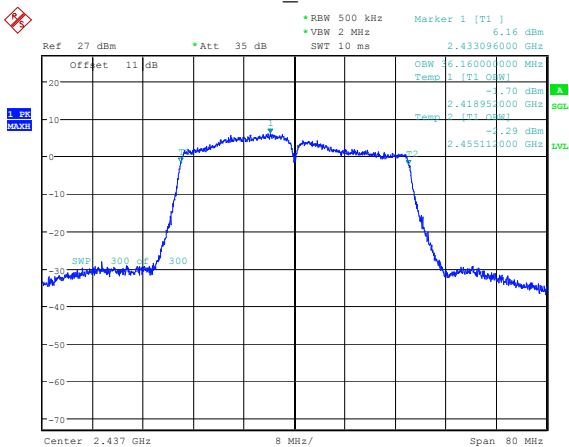
802.11n40_2422MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li

Date: 23.JAN.2025 16:58:27

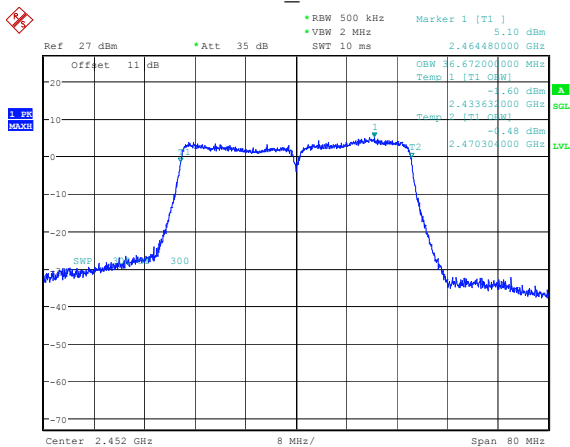
802.11n40_2437MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li

Date: 23.JAN.2025 17:01:38

802.11n40_2452MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li

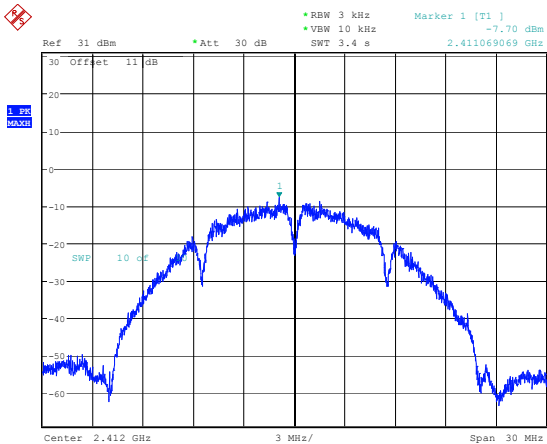
Date: 23.JAN.2025 17:06:13

Power Spectral Density

Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-7.70	8	Pass
	2437	-7.14	8	Pass
	2462	-6.43	8	Pass
802.11g	2412	-9.70	8	Pass
	2437	-9.26	8	Pass
	2462	-8.12	8	Pass
802.11n20	2412	-11.36	8	Pass
	2437	-10.48	8	Pass
	2462	-11.09	8	Pass
802.11n40	2422	-13.09	8	Pass
	2437	-13.69	8	Pass
	2452	-14.47	8	Pass

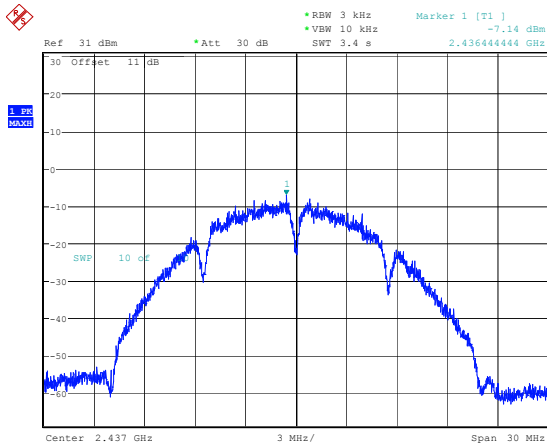
2.4G

802.11b_2412MHz



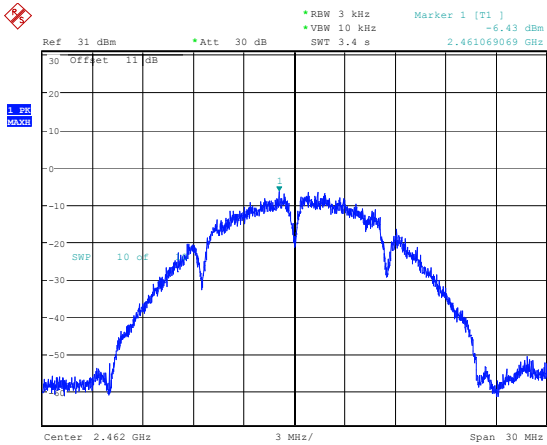
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 15:57:24

802.11b_2437MHz



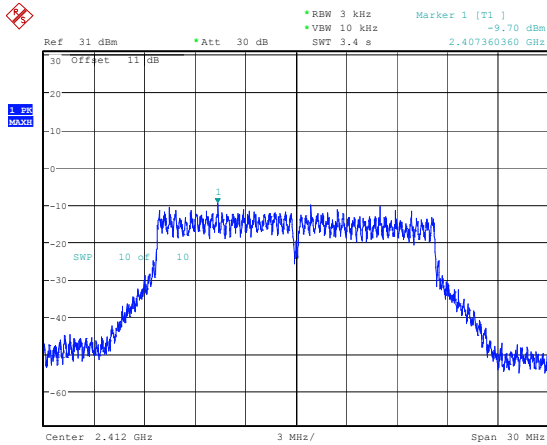
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 15:59:05

802.11b_2462MHz



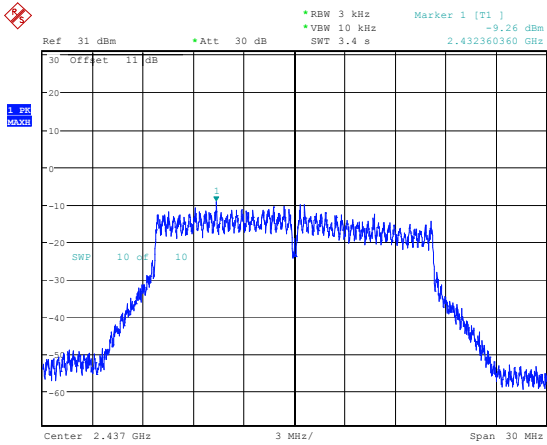
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Date: 23.JAN.2025 16:01:46

802.11g_2412MHz



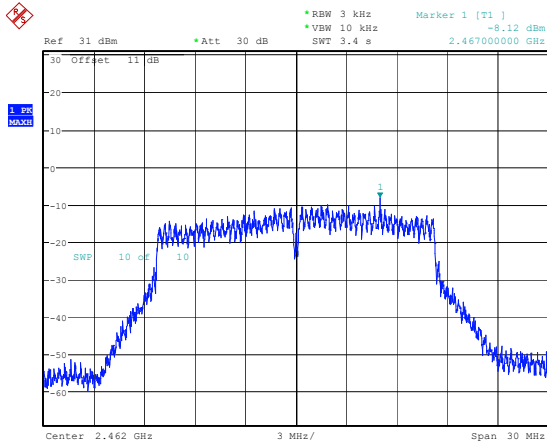
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Date: 23.JAN.2025 19:24:47

802.11g_2437MHz



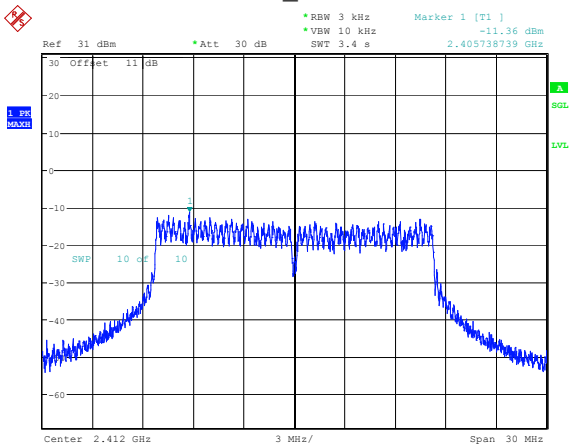
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:42:15

802.11g_2462MHz



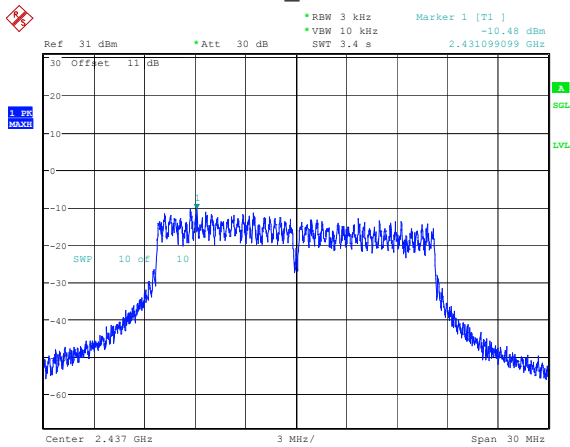
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:44:52

802.11n20_2412MHz



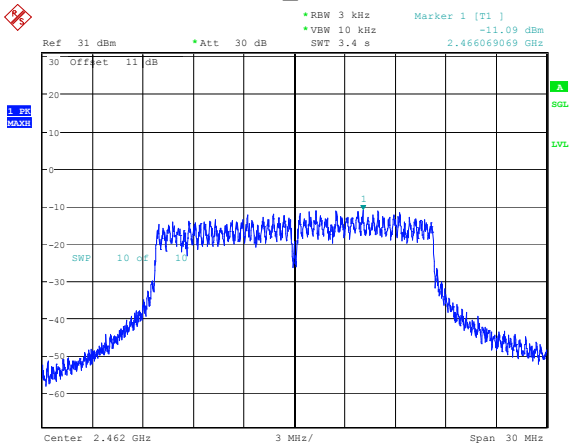
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:50:43

802.11n20_2437MHz



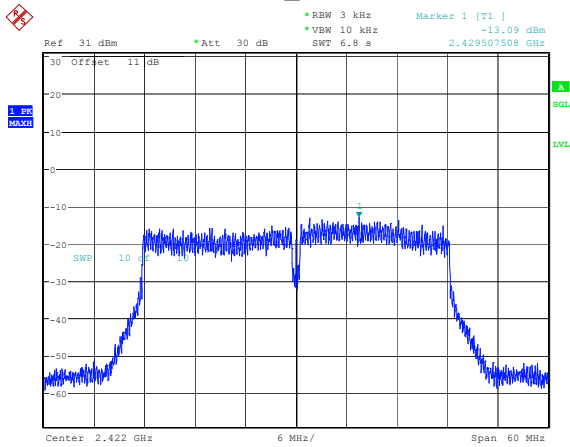
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Date: 23.JAN.2025 16:52:24

802.11n20_2462MHz



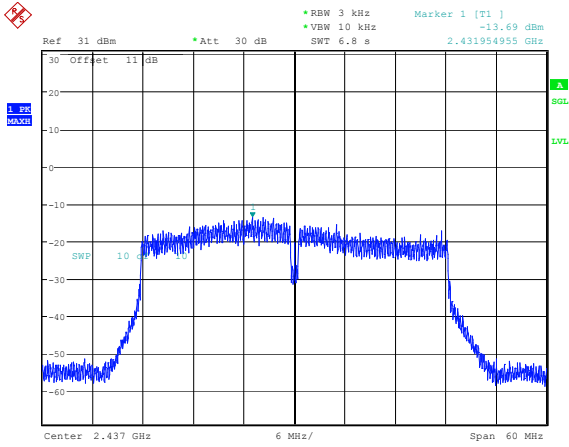
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Date: 23.JAN.2025 16:54:56

802.11n40_2422MHz



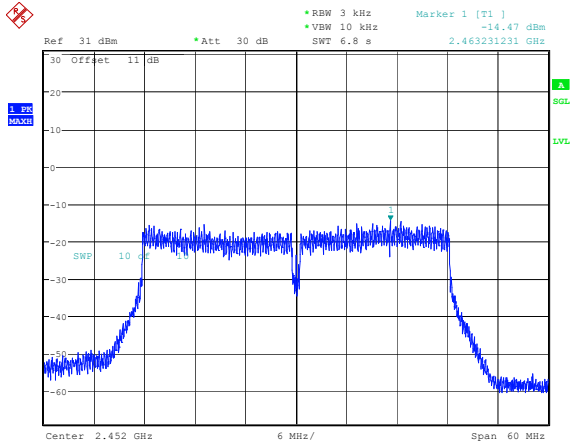
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802.11n40_2437MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 17:02:55

802.11n40_2452MHz



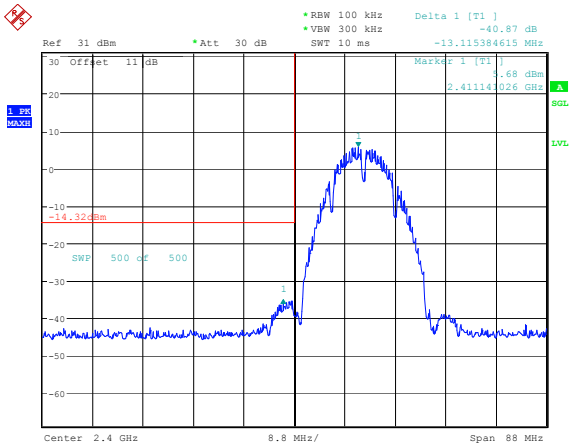
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 17:10:56

100 kHz Bandwidth of Frequency Band Edge

Mode	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	2412	40.87	20	Pass
	2462	50.14	20	Pass
802.11g	2412	34.72	20	Pass
	2462	46.77	20	Pass
802.11n20	2412	29.75	20	Pass
	2462	40.69	20	Pass
802.11n40	2422	37.54	20	Pass
	2452	38.64	20	Pass

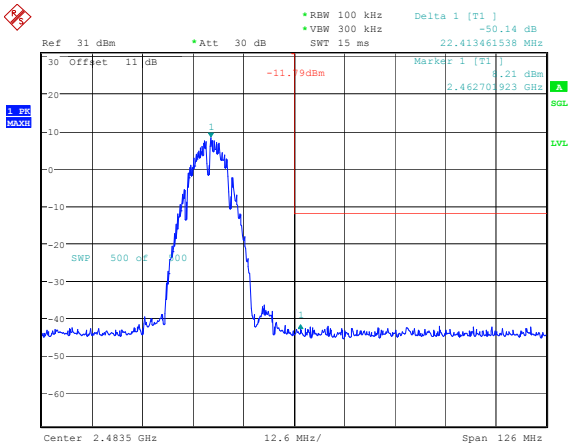
2.4G

802.11b_2412MHz



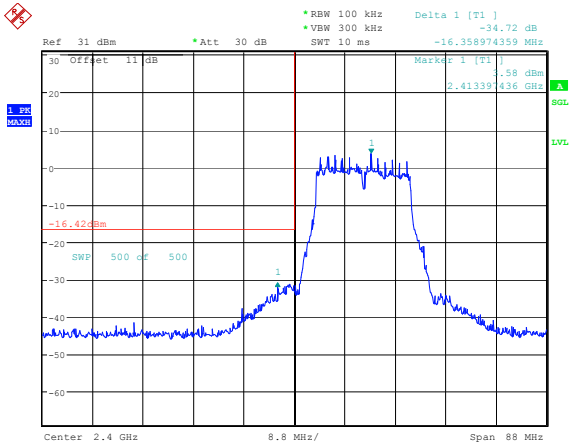
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 15:56:41

802.11b_2462MHz



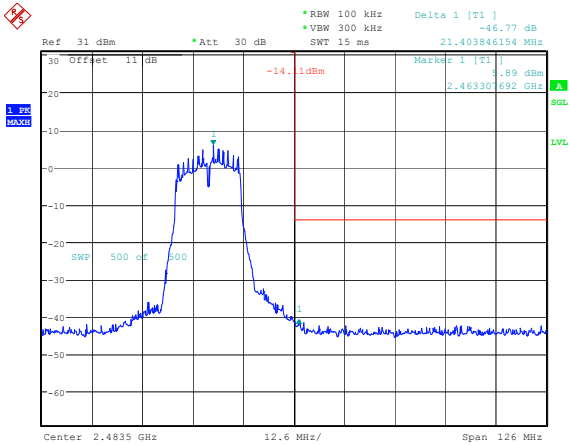
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:01:04

802.11g_2412MHz



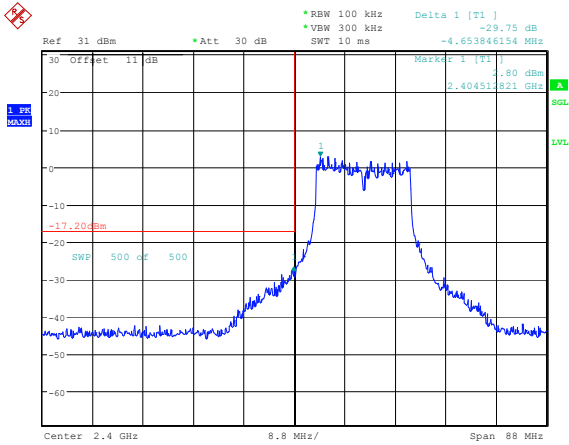
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Date: 23.JAN.2025 16:39:43

802.11g_2462MHz



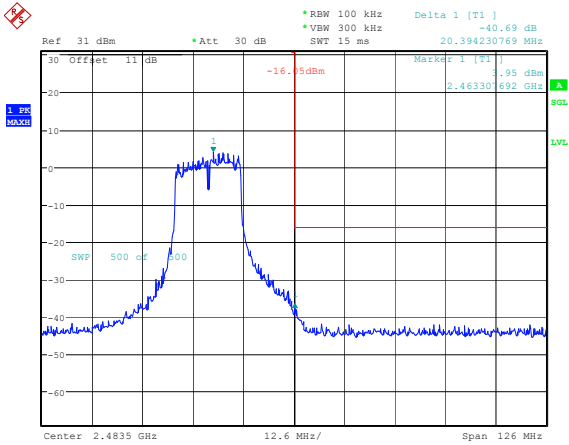
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:44:09

802.11n20_2412MHz



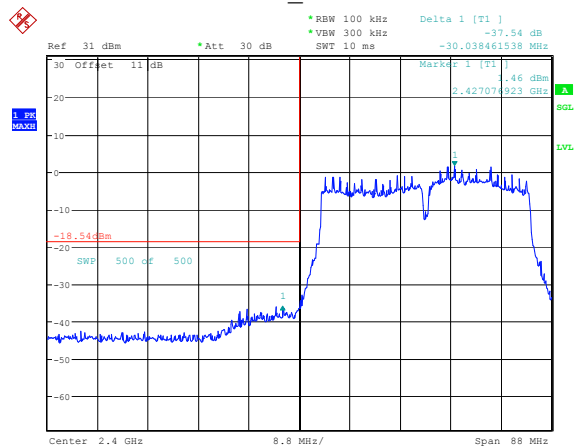
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Date: 23.JAN.2025 16:50:00

802.11n20_2462MHz



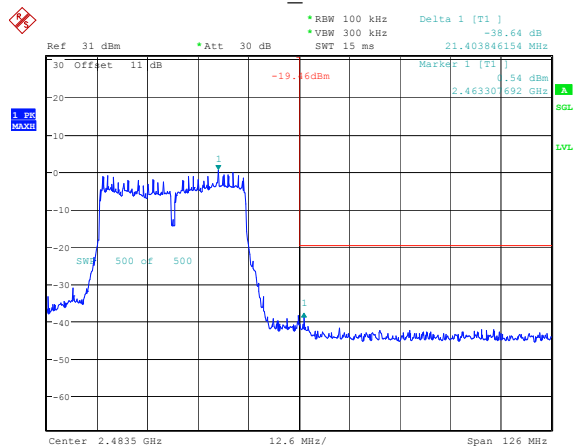
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:54:14

802.11n40_2422MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 16:59:26

802.11n40_2452MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 17:09:39

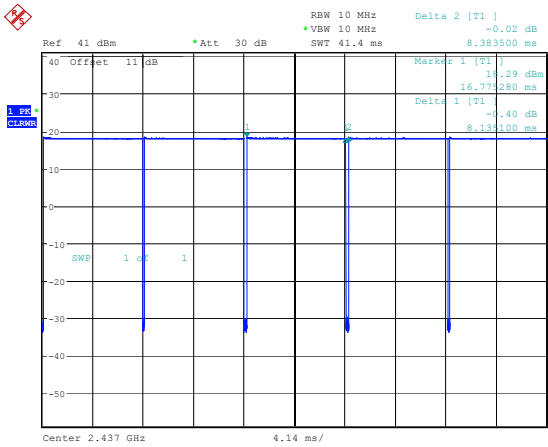
Duty Cycle

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	8.135	8.384	97.03	0.13	123	0.200
802.11g	2437	1.348	1.386	97.26	0.12	742	1
802.11n20	2437	1.258	1.297	96.99	0.13	795	1
802.11n40	2437	0.627	0.679	92.34	0.35	1595	2

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

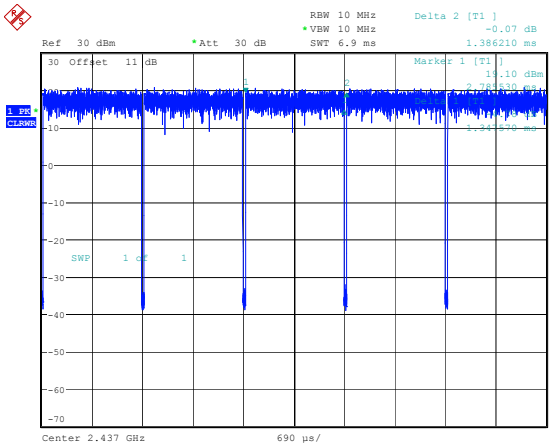
2.4G

802.11b_2437MHz



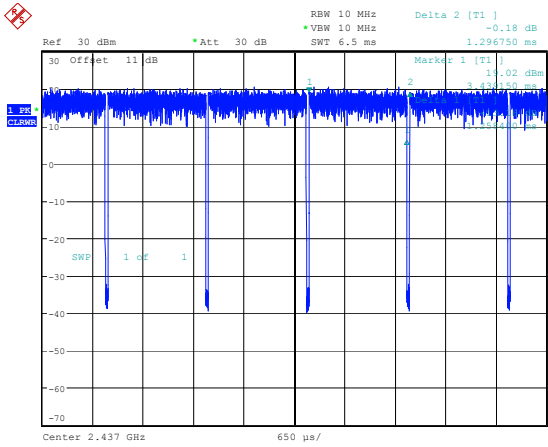
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 14:50:38

802.11g_2437MHz



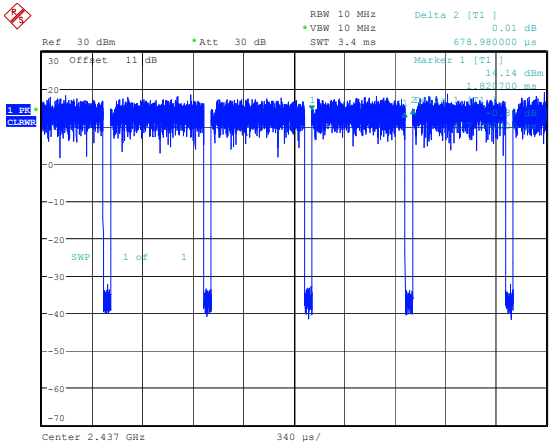
Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 14:51:21

802.11n20_2437MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 14:52:21

802.11n40_2437MHz



Comment: ProjectNo.:2503P42192E-RF Tester:Lingling Li
Date: 23.JAN.2025 14:53:01