

Test Information:

Sample No.:	2TEK-2	Test Date:	2024/11/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	27.8	Relative Humidity: (%)	58	ATM Pressure: (kPa)	100.5
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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
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

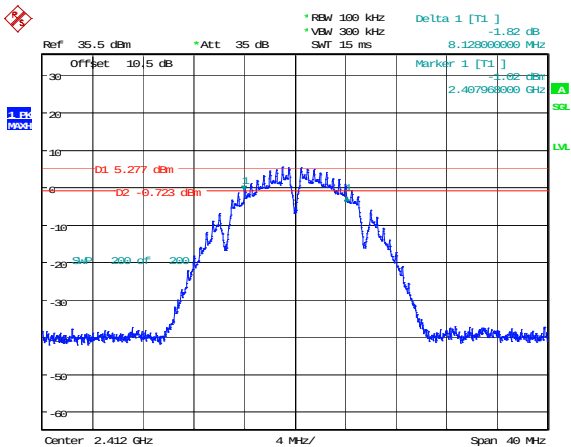
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

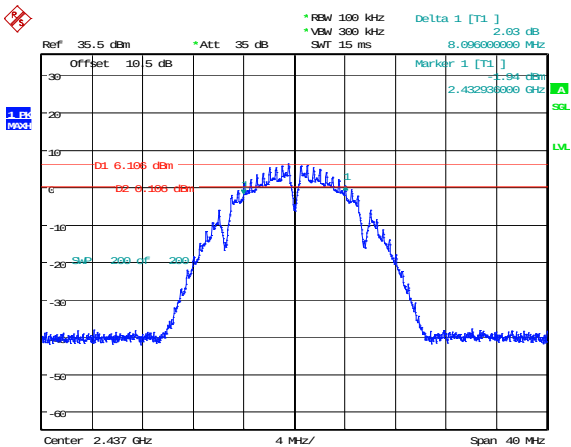
Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	8.128	≥ 0.5	Pass
		2437	8.096	≥ 0.5	Pass
		2462	8.096	≥ 0.5	Pass
	Chain 1	2412	8.096	≥ 0.5	Pass
		2437	8.608	≥ 0.5	Pass
		2462	8.096	≥ 0.5	Pass
802.11g	Chain 0	2412	16.384	≥ 0.5	Pass
		2437	16.416	≥ 0.5	Pass
		2462	16.384	≥ 0.5	Pass
	Chain 1	2412	16.352	≥ 0.5	Pass
		2437	16.384	≥ 0.5	Pass
		2462	16.416	≥ 0.5	Pass
802.11n20	Chain 0	2412	17.664	≥ 0.5	Pass
		2437	17.632	≥ 0.5	Pass
		2462	17.632	≥ 0.5	Pass
	Chain 1	2412	17.664	≥ 0.5	Pass
		2437	17.632	≥ 0.5	Pass
		2462	17.632	≥ 0.5	Pass

2.4G

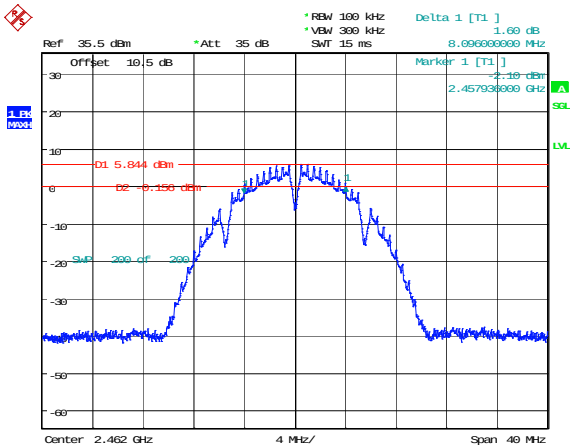
802.11b_2412MHz_Chain 0 8.128MHz



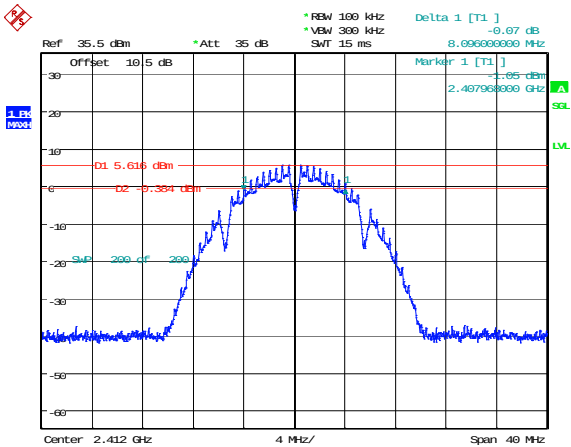
802.11b_2437MHz_Chain 0 8.096MHz



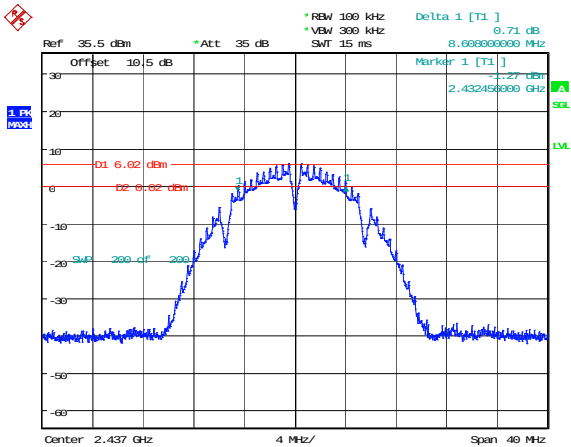
802.11b_2462MHz_Chain 0 8.096MHz



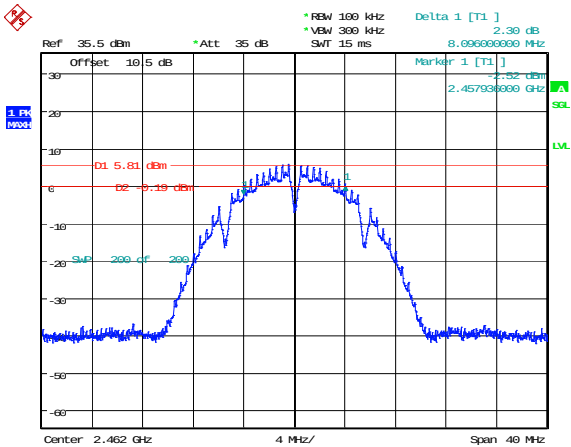
802.11b_2412MHz_Chain 1 8.096MHz



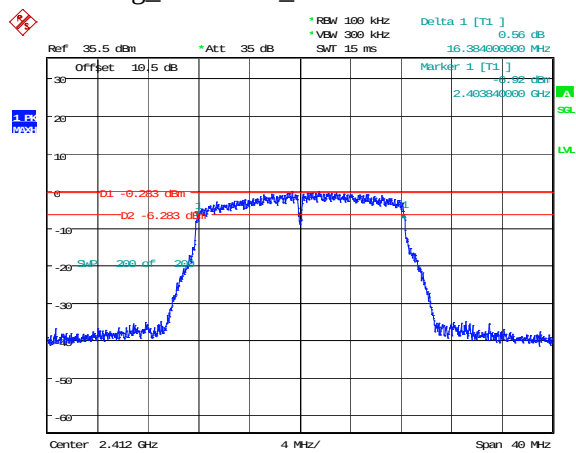
802.11b_2437MHz_Chain 1 8.608MHz



802.11b_2462MHz_Chain 1 8.096MHz

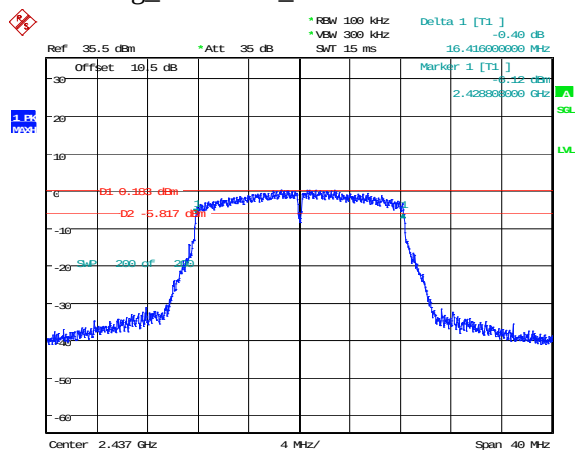


802.11g_2412MHz_Chain 0 16.384MHz



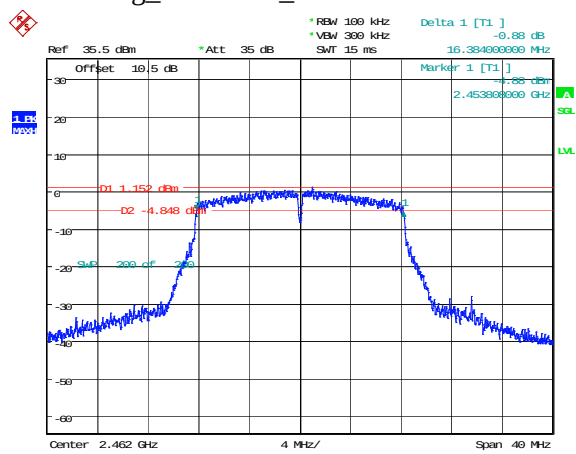
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:42:57

802.11g_2437MHz_Chain 0 16.416MHz



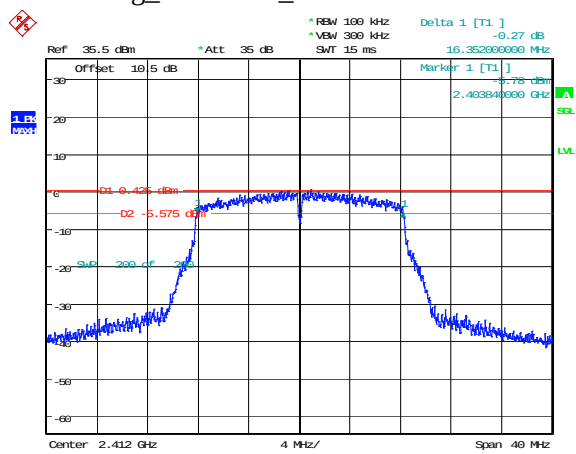
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:45:52

802.11g_2462MHz_Chain 0 16.384MHz



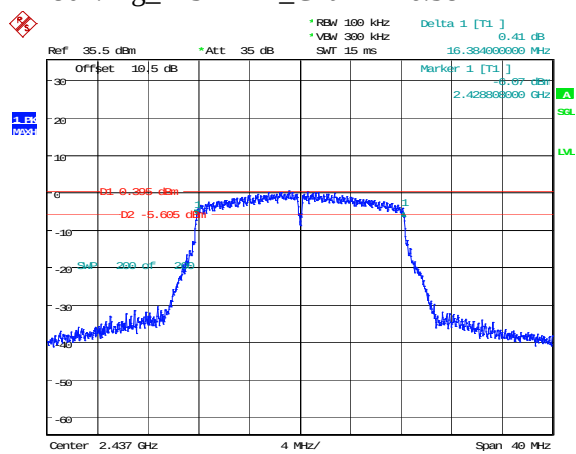
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:47:47

802.11g_2412MHz_Chain 1 16.352MHz



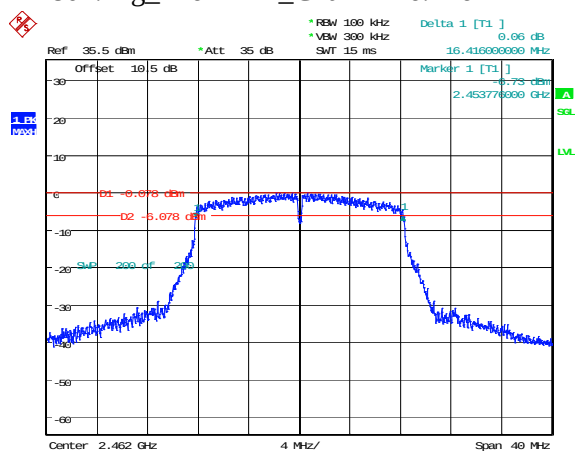
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:07:22

802.11g_2437MHz_Chain 1 16.384MHz



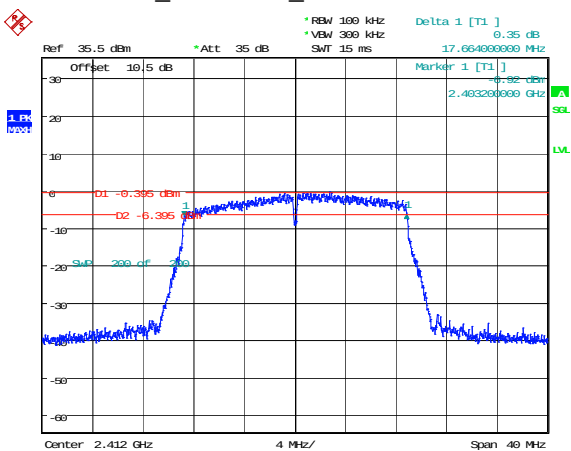
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:10:12

802.11g_2462MHz_Chain 1 16.416MHz



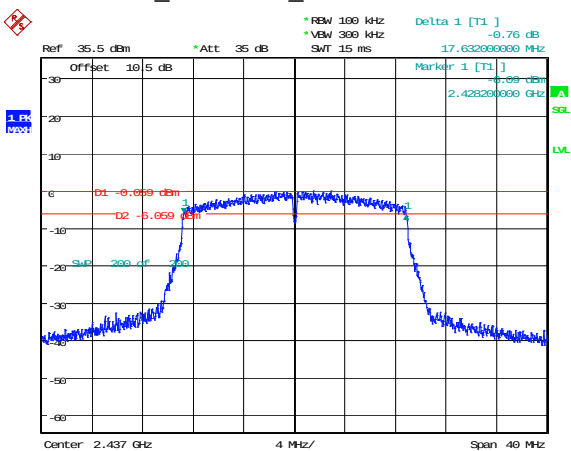
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:12:36

802.11n20_2412MHz_Chain 0 17.664MHz



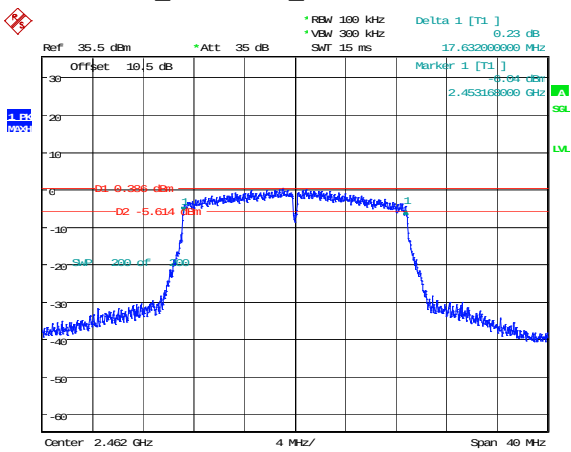
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:59:28

802.11n20_2437MHz_Chain 0 17.632MHz



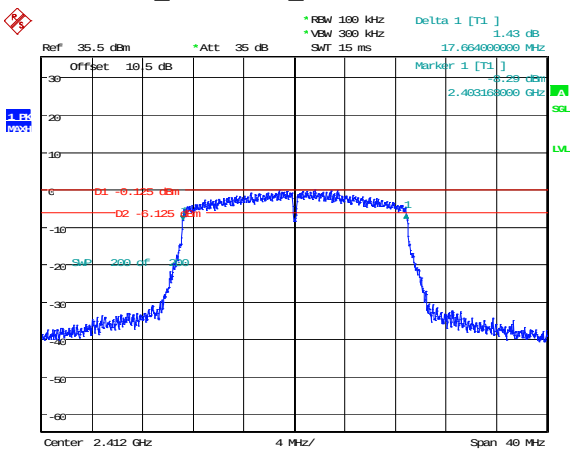
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:53:31

802.11n20_2462MHz_Chain 0 17.632MHz



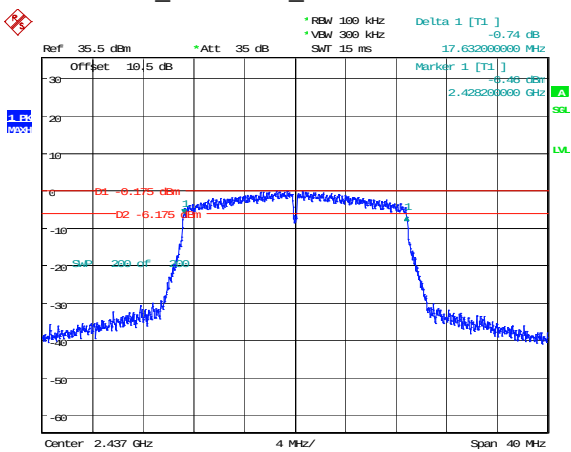
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:55:32

802.11n20_2412MHz_Chain 1 17.664MHz



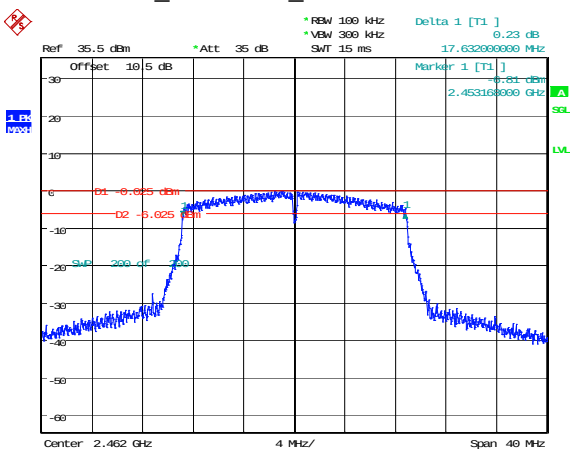
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:15:23

802.11n20_2437MHz_Chain 1 17.632MHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:18:19

802.11n20_2462MHz_Chain 1 17.632MHz



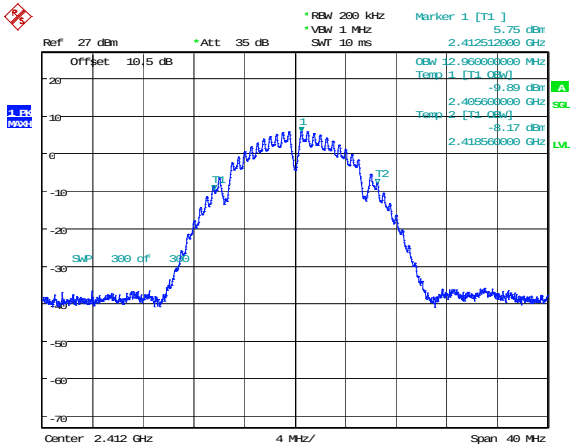
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:26:09

99% Occupied Bandwidth

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11b	Chain 0	2412	12.960
		2437	12.864
		2462	12.992
	Chain 1	2412	12.864
		2437	12.928
		2462	12.992
802.11g	Chain 0	2412	16.608
		2437	16.544
		2462	16.608
	Chain 1	2412	16.576
		2437	16.576
		2462	16.576
802.11n20	Chain 0	2412	17.664
		2437	17.632
		2462	17.696
	Chain 1	2412	17.664
		2437	17.632
		2462	17.664

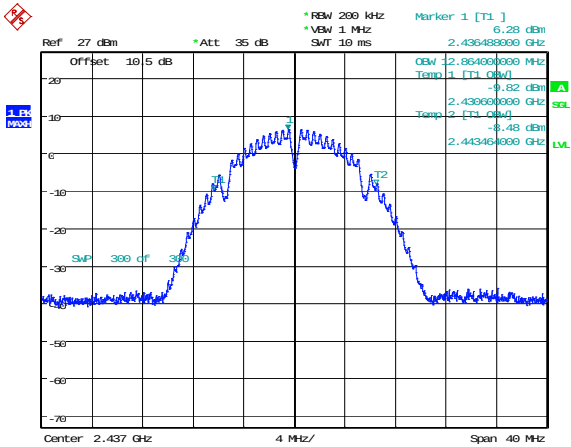
2.4G

802.11b_2412MHz_Chain 0 12.960MHz



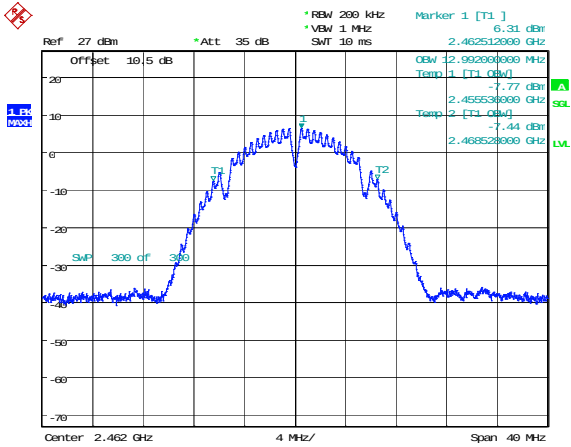
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:29:06

802.11b_2437MHz_Chain 0 12.864MHz



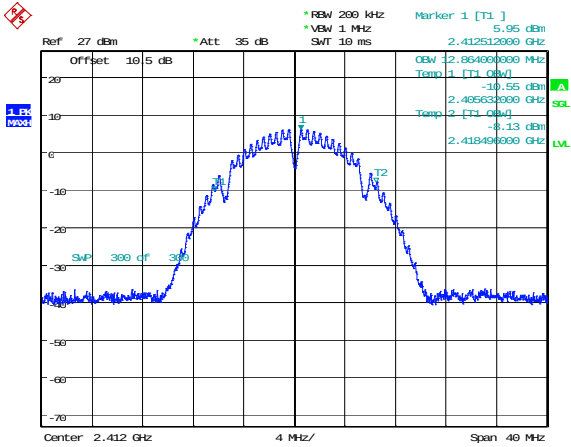
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:33:04

802.11b_2462MHz_Chain 0 12.992MHz



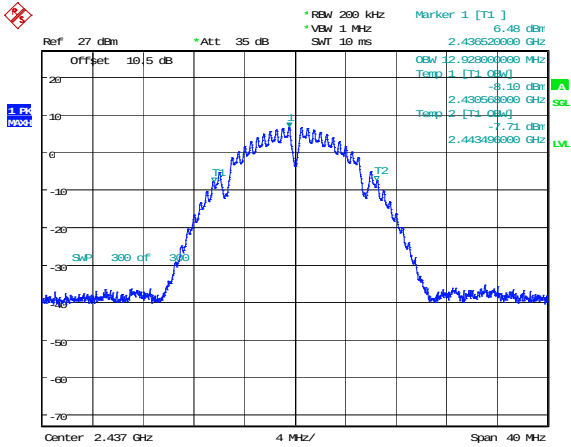
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:35:05

802.11b_2412MHz_Chain 1 12.864MHz



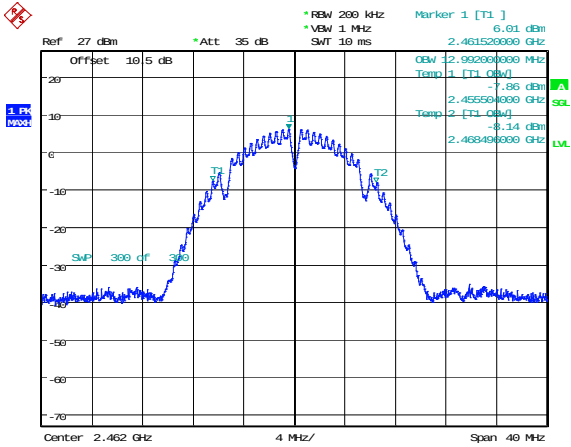
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:00:12

802.11b_2437MHz_Chain 1 12.928MHz



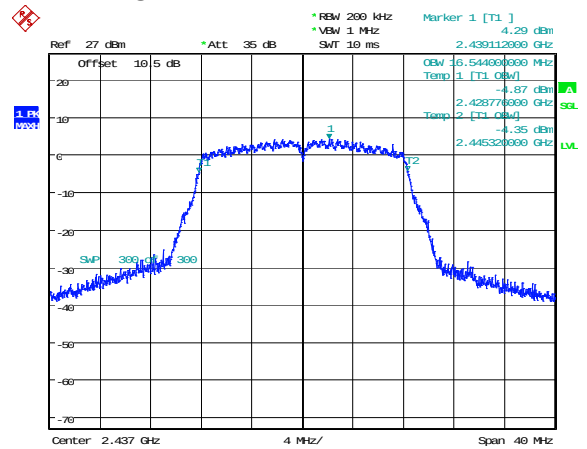
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:02:51

802.11b_2462MHz_Chain 1 12.992MHz



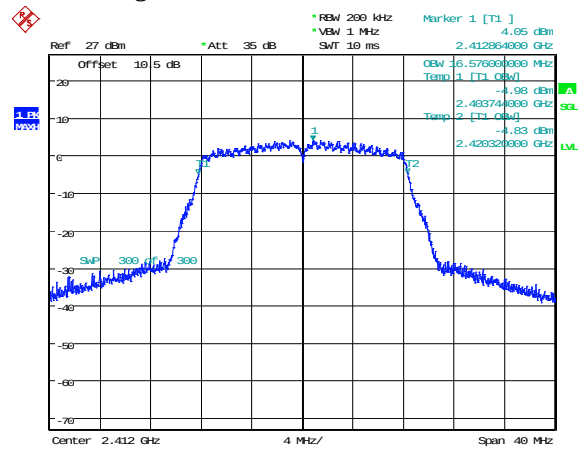
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:04:46

802.11g_2437MHz_Chain 0 16.544MHz



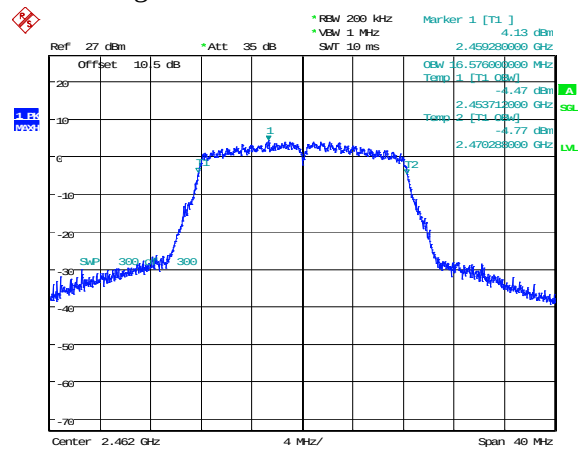
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:46:23

802.11g_2412MHz_Chain 1 16.576MHz



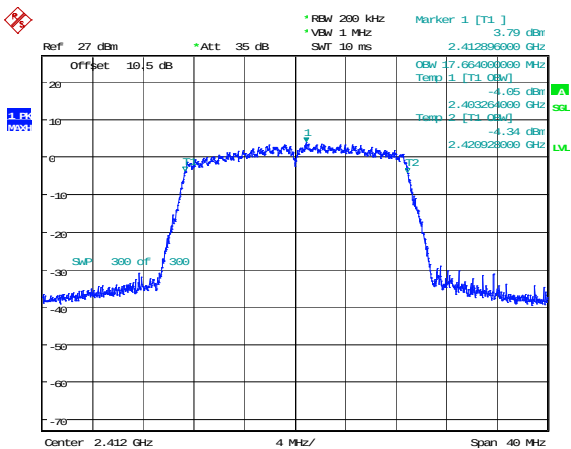
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:07:54

802.11g_2462MHz_Chain 1 16.576MHz



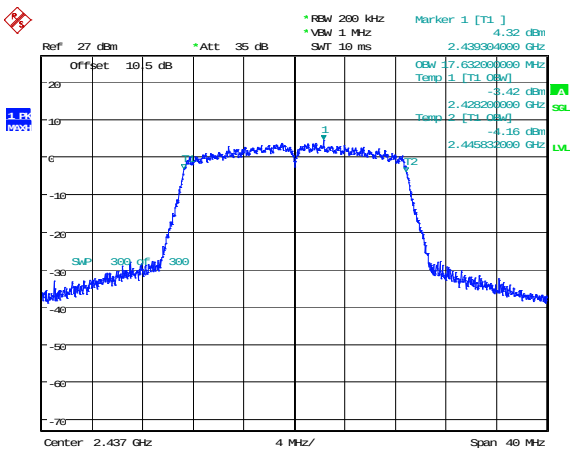
Comment: ProjectNo.:2403Y36748E-RF Tester:Lingling Li
Date: 16.NOV.2024 15:13:07

802.11n20_2412MHz_Chain 0 17.664MHz



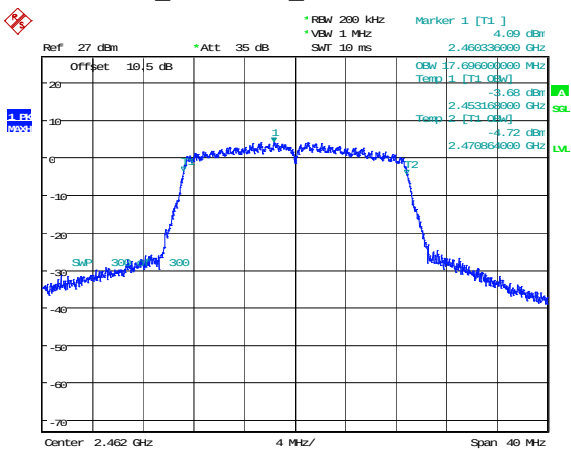
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:59:59

802.11n20_2437MHz_Chain 0 17.632MHz



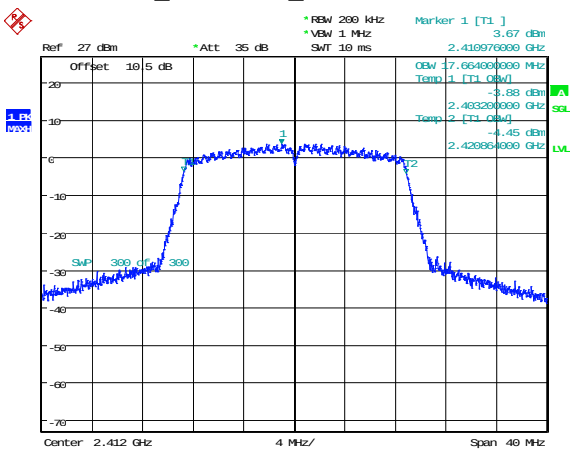
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:54:02

802.11n20_2462MHz_Chain 0 17.696MHz



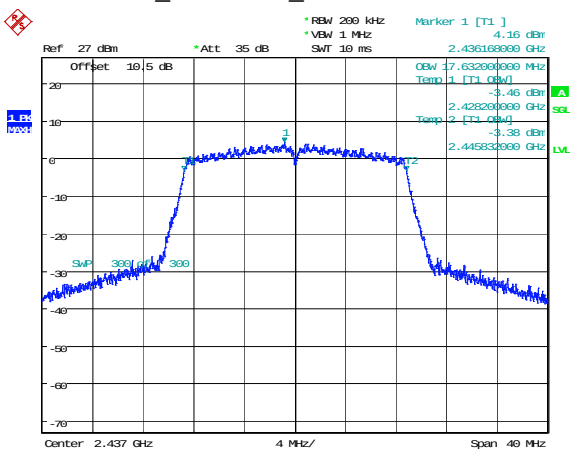
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:56:03

802.11n20_2412MHz_Chain 1 17.664MHz



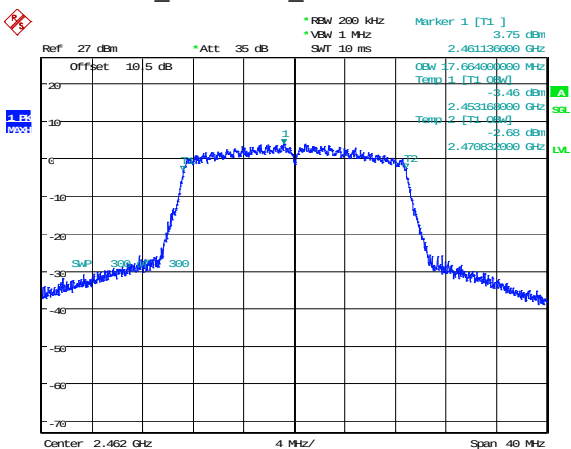
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:15:55

802.11n20_2437MHz_Chain 1 17.632MHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:18:59

802.11n20_2462MHz_Chain 1 17.664MHz



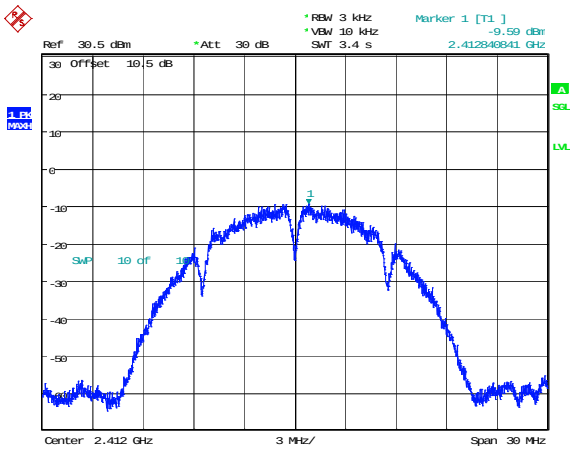
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:20:41

Power Spectral Density

Mode	Antenna	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	Chain 0	2412	-9.59	8	Pass
		2437	-7.50	8	Pass
		2462	-8.72	8	Pass
	Chain 1	2412	-7.92	8	Pass
		2437	-7.81	8	Pass
		2462	-8.74	8	Pass
802.11g	Chain 0	2412	-11.19	8	Pass
		2437	-10.65	8	Pass
		2462	-10.47	8	Pass
	Chain 1	2412	-11.10	8	Pass
		2437	-11.47	8	Pass
		2462	-11.34	8	Pass
802.11n20	Chain 0	2412	-11.95	8	Pass
		2437	-10.59	8	Pass
		2462	-10.93	8	Pass
	Chain 1	2412	-12.00	8	Pass
		2437	-10.36	8	Pass
		2462	-12.07	8	Pass

2.4G

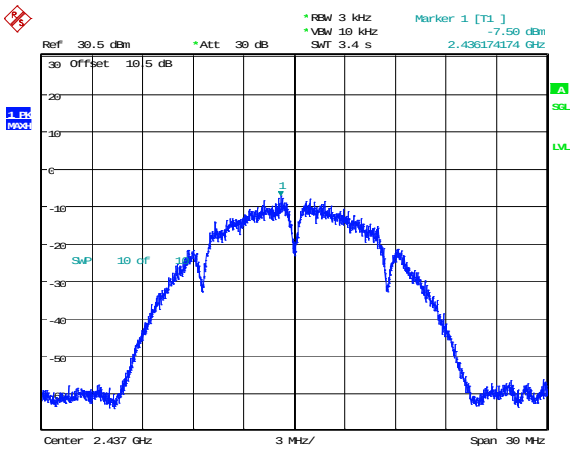
802.11b_2412MHz_Chain 0 -9.59dBm/3kHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li

Date: 16.NOV.2024 14:32:09

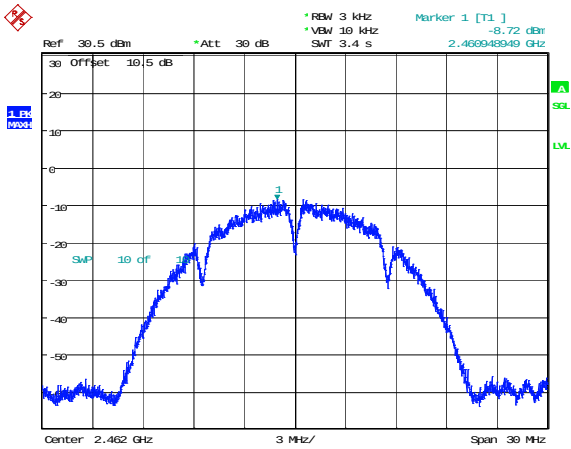
802.11b_2437MHz_Chain 0 -7.50dBm/3kHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li

Date: 16.NOV.2024 14:33:47

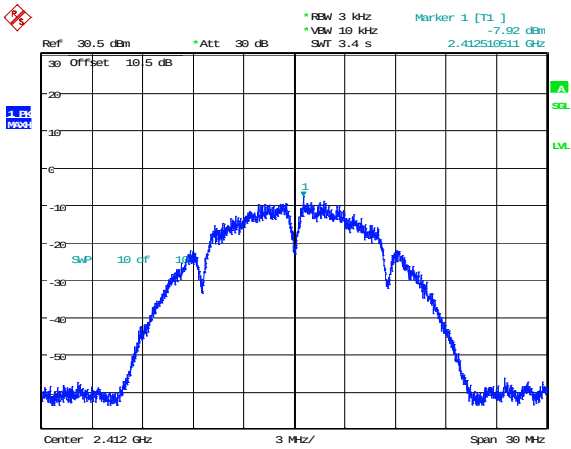
802.11b_2462MHz_Chain 0 -8.72dBm/3kHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li

Date: 16.NOV.2024 14:36:37

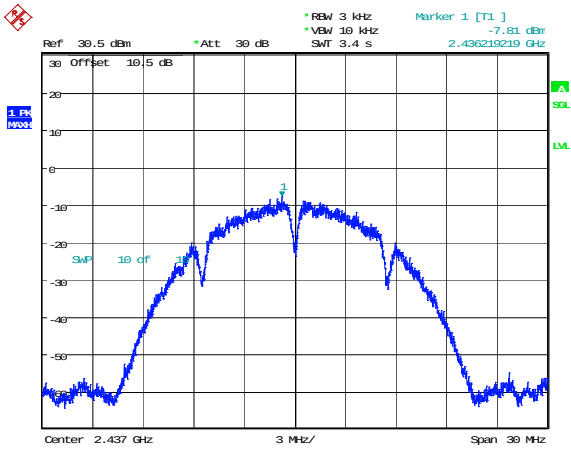
802.11b_2412MHz_Chain 1 -7.92dBm/3kHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li

Date: 16.NOV.2024 15:01:54

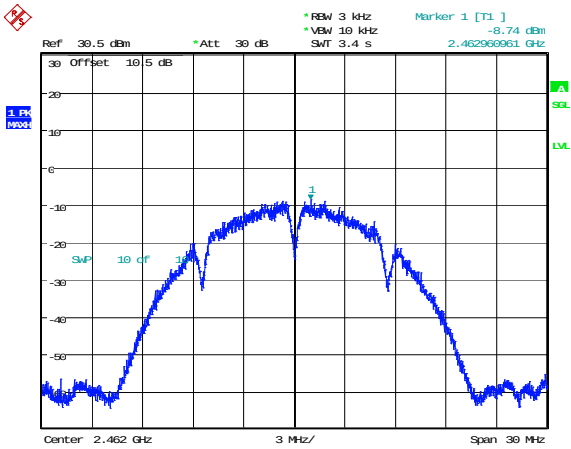
802.11b_2437MHz_Chain 1 -7.81dBm/3kHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li

Date: 16.NOV.2024 15:03:35

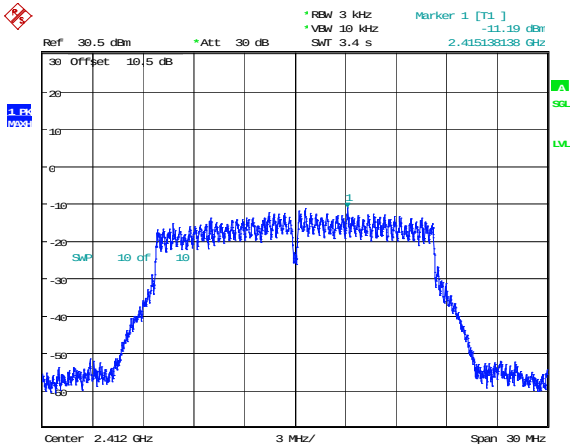
802.11b_2462MHz_Chain 1 -8.74dBm/3kHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li

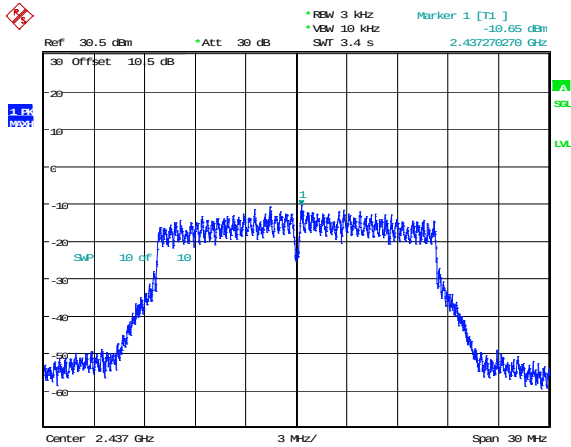
Date: 16.NOV.2024 15:06:18

802.11g_2412MHz_Chain 0 -11.19dBm/3kHz



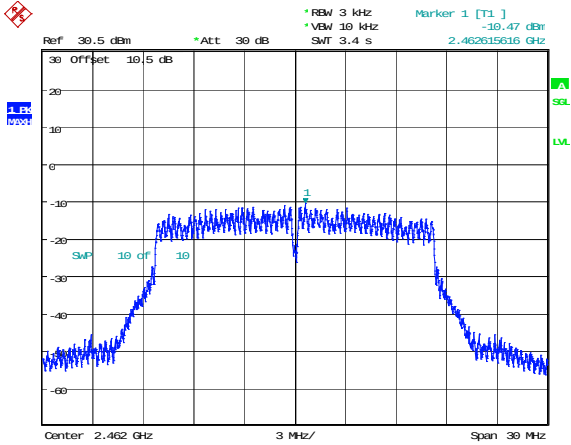
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:45:12

802.11g_2437MHz_Chain 0 -10.65dBm/3kHz



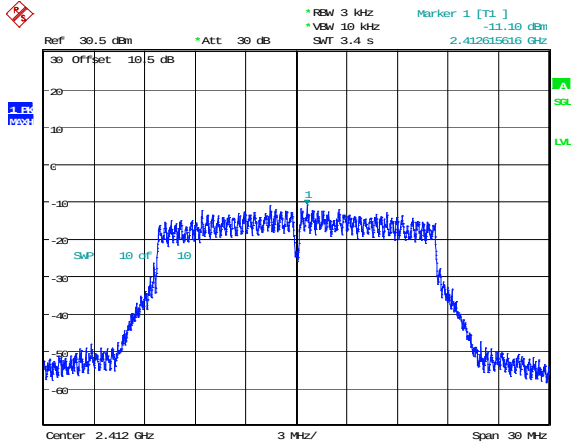
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:47:06

802.11g_2462MHz_Chain 0 -10.47dBm/3kHz



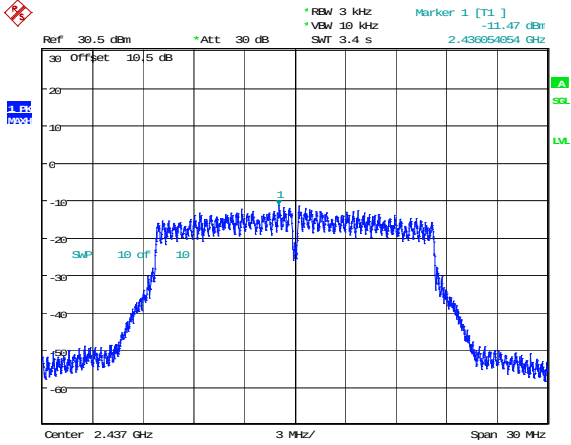
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:49:49

802.11g_2412MHz_Chain 1 -11.10dBm/3kHz



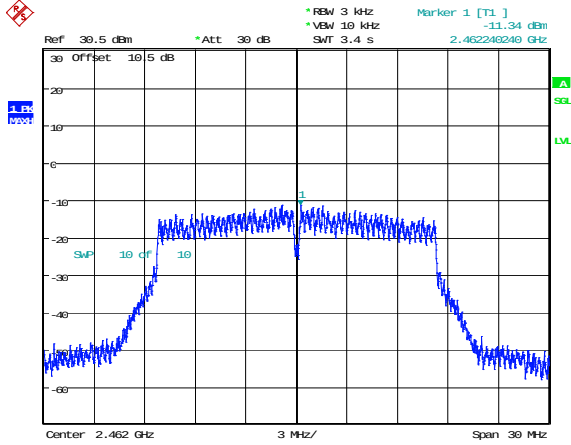
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:09:36

802.11g_2437MHz_Chain 1 -11.47dBm/3kHz



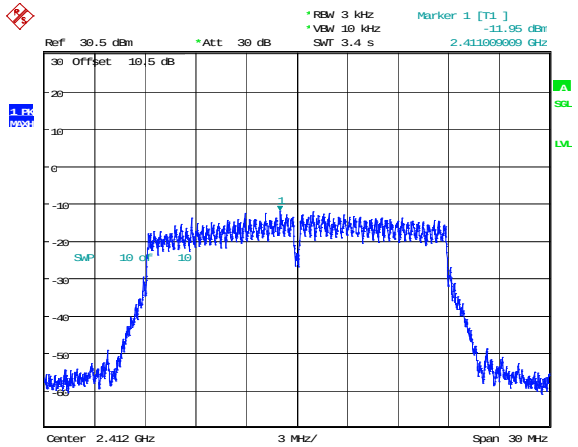
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:11:27

802.11g_2462MHz_Chain 1 -11.34dBm/3kHz



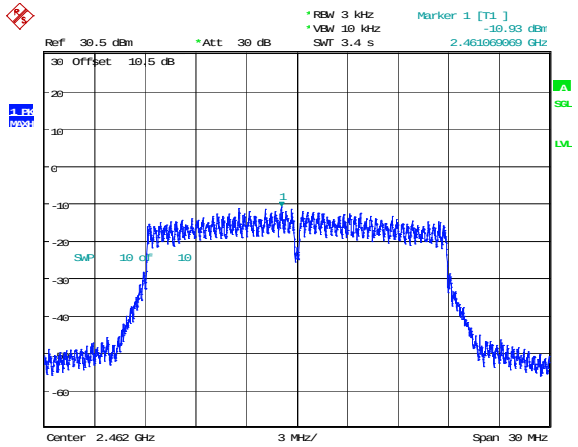
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:14:43

802.11n20_2412MHz_Chain 0 -11.95dBm/3kHz



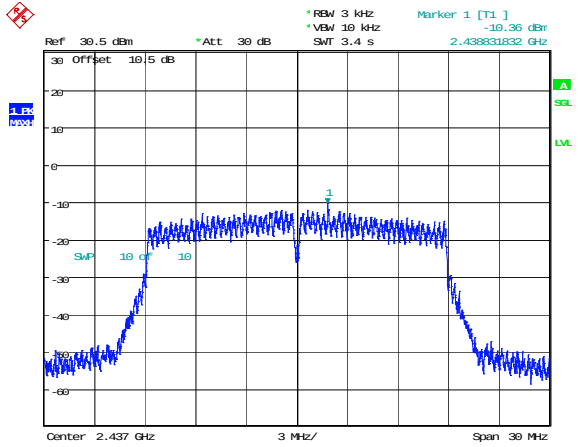
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:52:46

802.11n20_2462MHz_Chain 0 -10.93dBm/3kHz



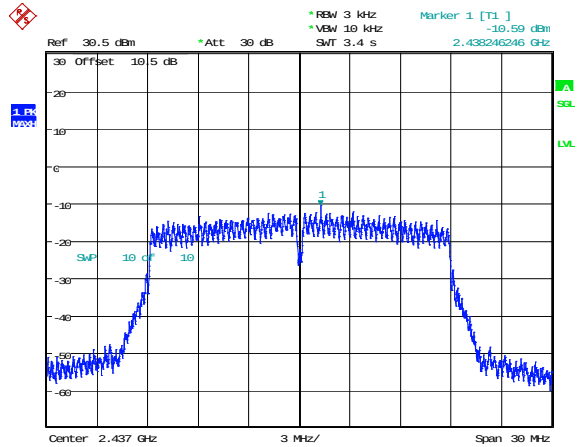
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:57:35

802.11n20_2437MHz_Chain 1 -10.36dBm/3kHz



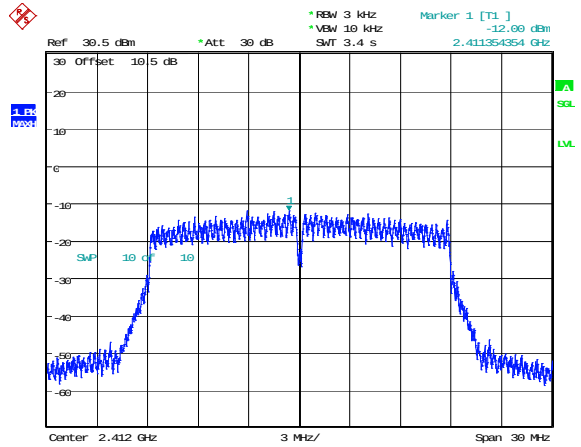
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:19:35

802.11n20_2437MHz_Chain 0 -10.59dBm/3kHz



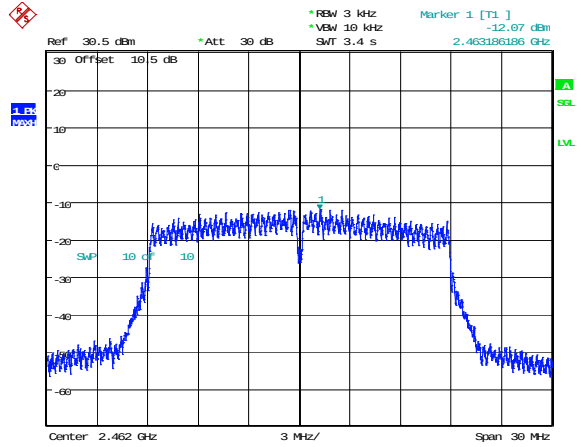
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:54:45

802.11n20_2412MHz_Chain 1 -12.00dBm/3kHz



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:17:38

802.11n20_2462MHz_Chain 1 -12.07dBm/3kHz



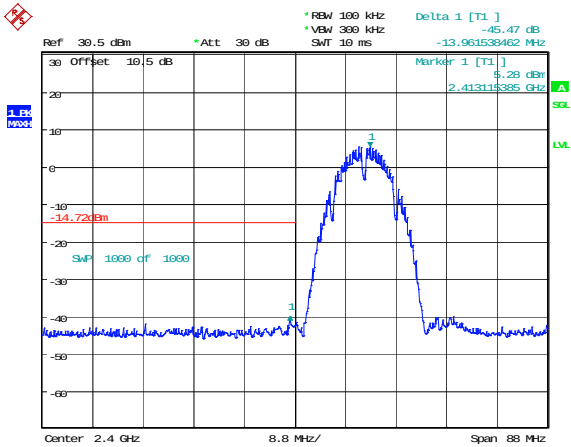
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:22:13

100 kHz Bandwidth of Frequency Band Edge

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	45.47	20	Pass
		2462	48.65	20	Pass
	Chain 1	2412	48.04	20	Pass
		2462	47.68	20	Pass
802.11g	Chain 0	2412	36.21	20	Pass
		2462	42.29	20	Pass
	Chain 1	2412	34.08	20	Pass
		2462	41.88	20	Pass
802.11n20	Chain 0	2412	35.90	20	Pass
		2462	42.17	20	Pass
	Chain 1	2412	31.74	20	Pass
		2462	41.71	20	Pass

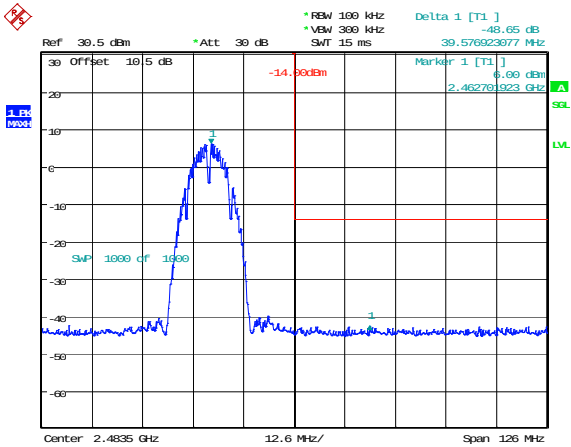
2.4G

802.11b_2412MHz_Chain 0 45.47dB



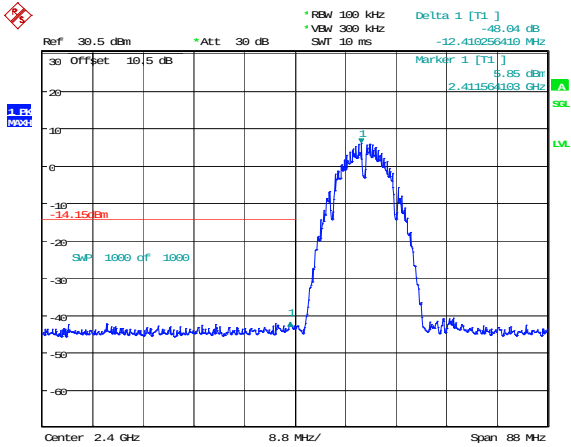
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:31:16

802.11b_2462MHz_Chain 0 48.65dB



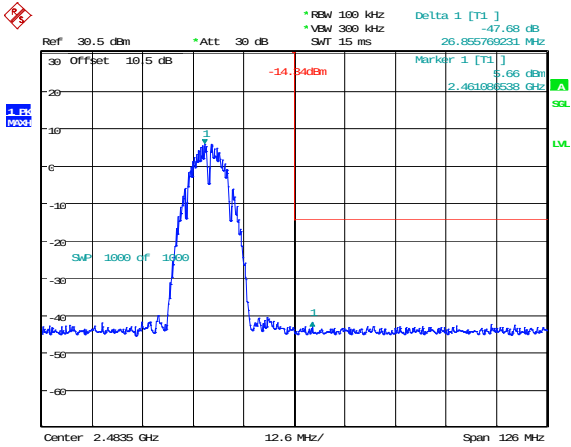
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:35:53

802.11b_2412MHz_Chain 1 48.04dB



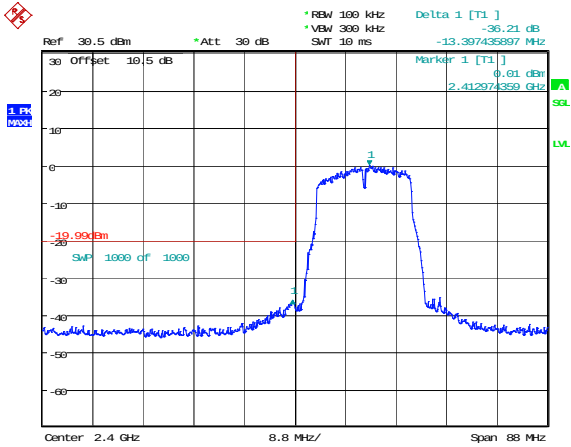
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:01:09

802.11b_2462MHz_Chain 1 47.68dB



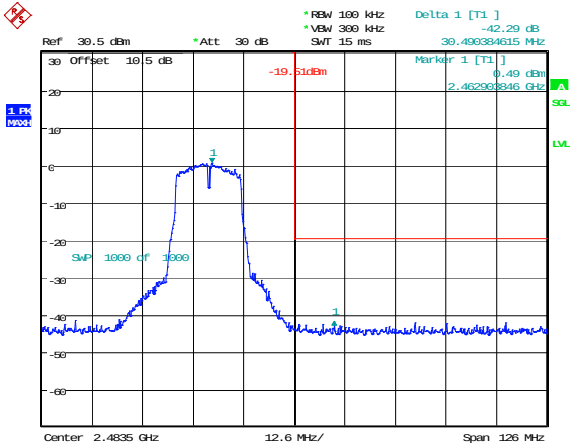
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:05:33

802.11g_2412MHz_Chain 0 36.21dB



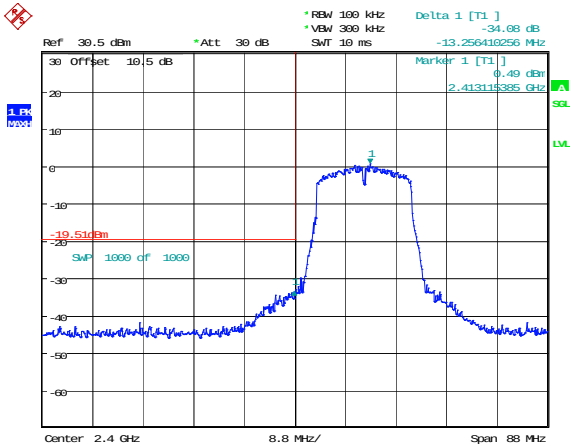
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:44:28

802.11g_2462MHz_Chain 0 42.29dB



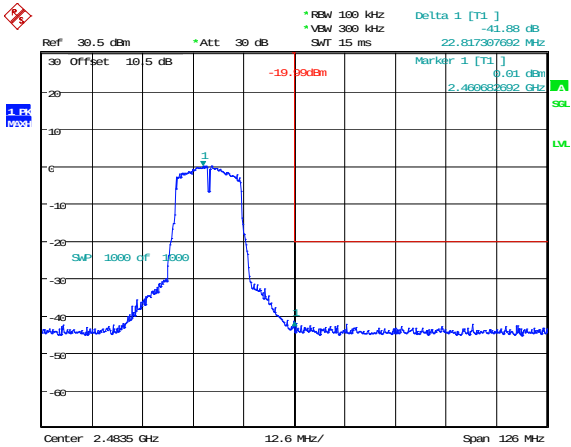
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:49:04

802.11g_2412MHz_Chain 1 34.08dB



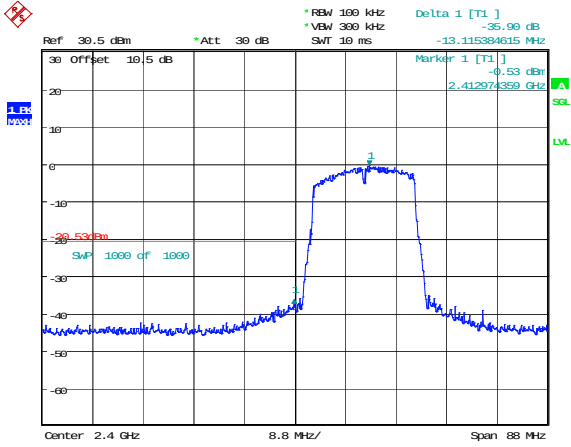
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:08:51

802.11g_2462MHz_Chain 1 41.88dB



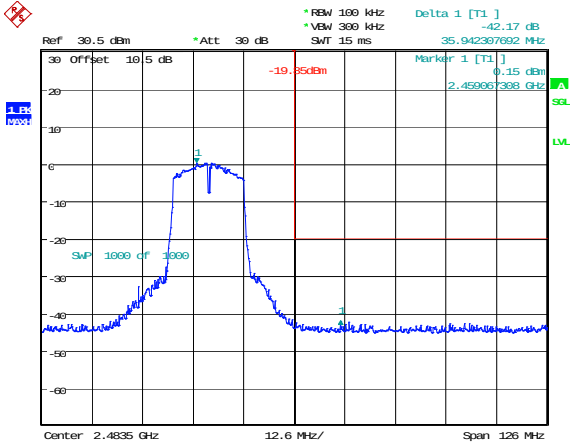
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:13:55

802.11n20_2412MHz_Chain 0 35.90dB



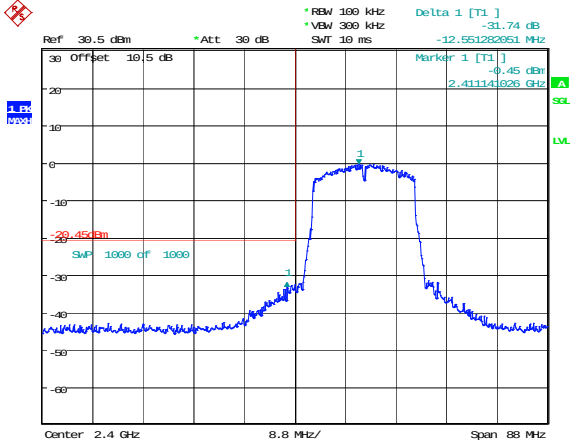
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:51:56

802.11n20_2462MHz_Chain 0 42.17dB



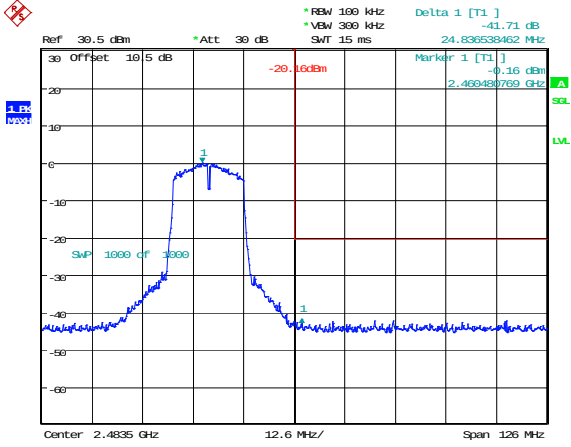
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 14:56:50

802.11n20_2412MHz_Chain 1 31.74dB



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:16:53

802.11n20_2462MHz_Chain 1 41.71dB



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing L1
Date: 16.NOV.2024 15:21:28

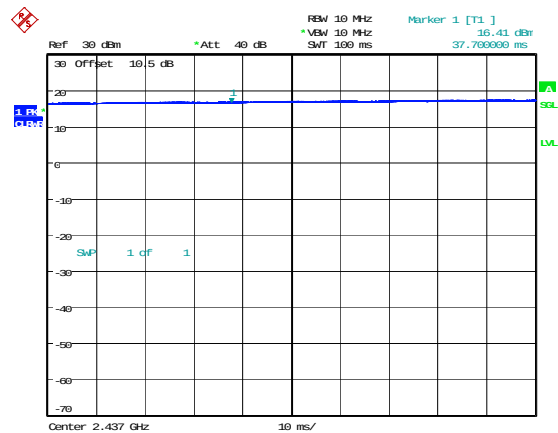
Duty Cycle

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%

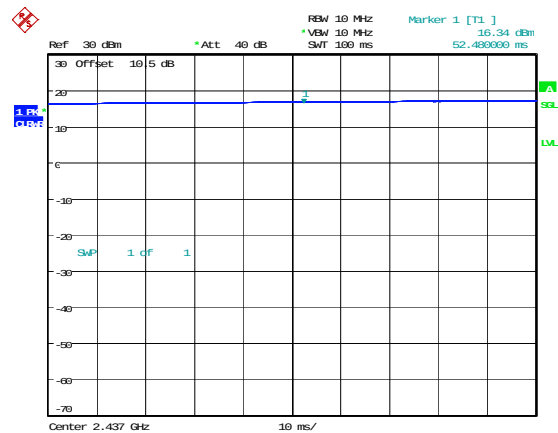
2.4G

802.11b_2437MHz_Chain 0
100ms,100ms



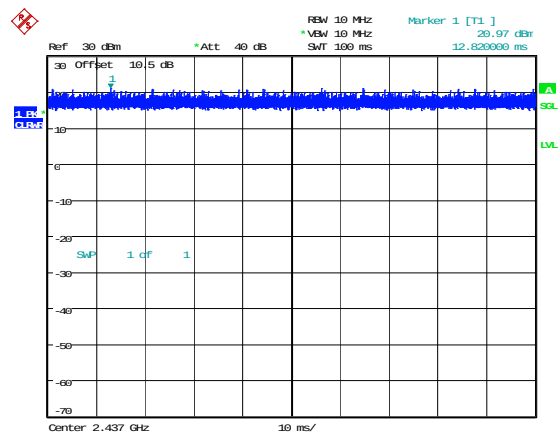
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:23:09

802.11b_2437MHz_Chain 1
100ms,100ms



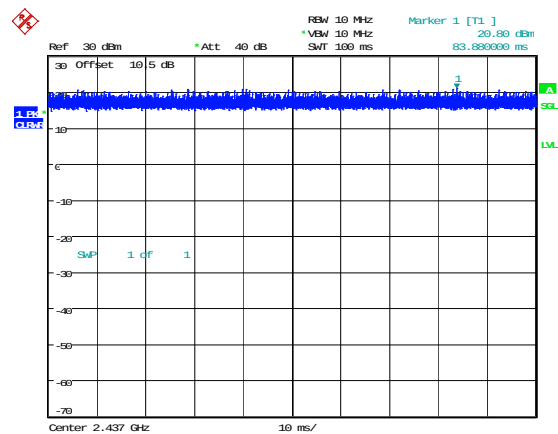
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:24:12

802.11g_2437MHz_Chain 0
100ms,100ms



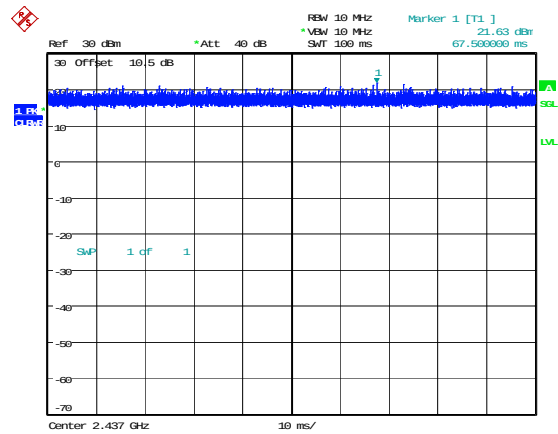
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:25:26

802.11g_2437MHz_Chain 1
100ms,100ms



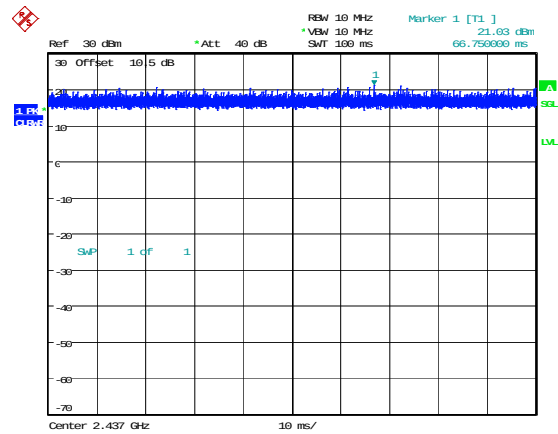
Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:24:33

802.11n20_2437MHz_Chain 0
100ms,100ms



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 14:25:54

802.11n20_2437MHz_Chain 1
100ms,100ms



Comment: ProjectNo.:2403Y36748E-RF Tester:LingLing Li
Date: 16.NOV.2024 15:25:06