

Appendix A

Test Information:

Sample No.:	31AX-1	Test Date:	2025/04/25~2025/04/27
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.6-25.6	Relative Humidity: (%)	53-62	ATM Pressure: (kPa)	100.8-101.8
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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	2025/03/31	2026/03/30
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

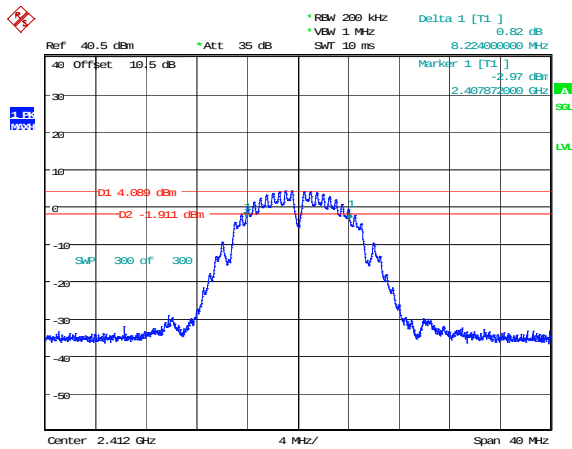
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

6dB Emission Bandwidth

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	8.224	≥ 0.5	Pass
	2437	8.640	≥ 0.5	Pass
	2462	8.672	≥ 0.5	Pass
802.11g	2412	16.512	≥ 0.5	Pass
	2437	16.672	≥ 0.5	Pass
	2462	16.512	≥ 0.5	Pass
802.11n20	2412	17.664	≥ 0.5	Pass
	2437	17.792	≥ 0.5	Pass
	2462	17.728	≥ 0.5	Pass

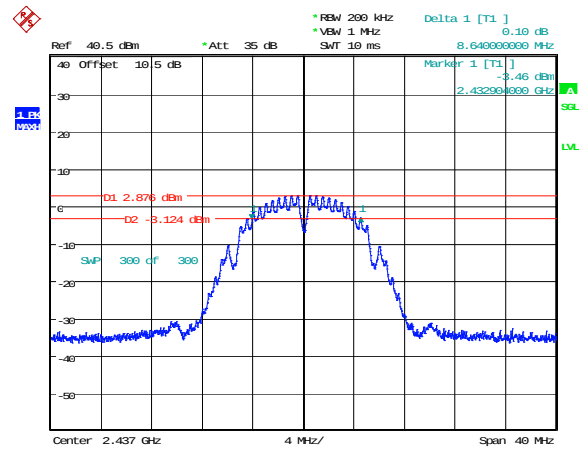
2.4G

802.11b_2412MHz



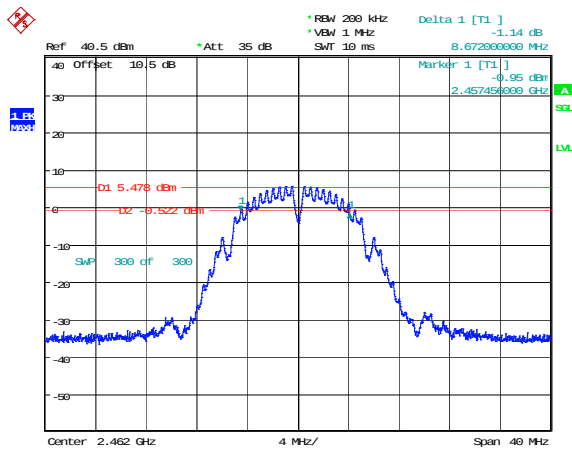
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Date: 27.APR.2025 09:06:57

802.11b_2437MHz



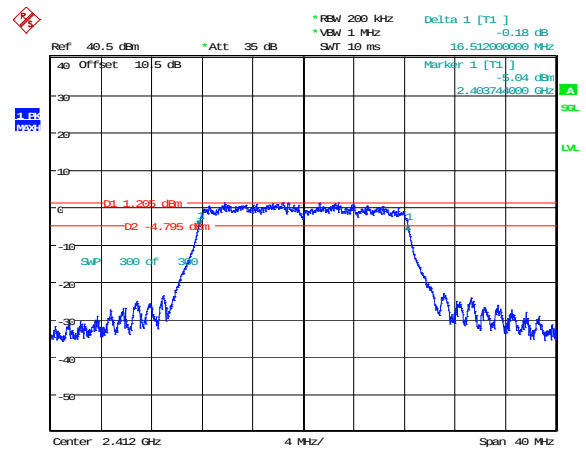
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802.11b_2462MHz



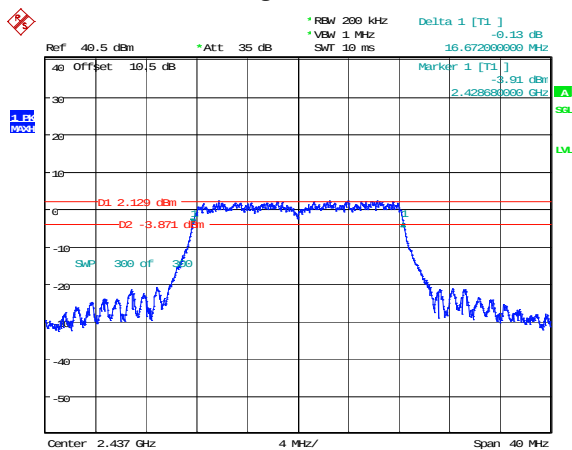
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802.11g_2412MHz



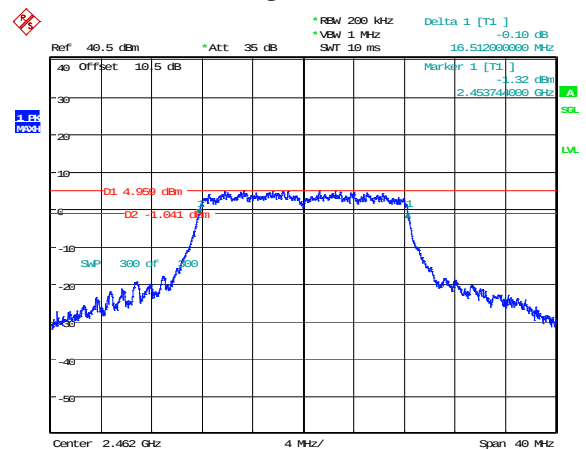
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802.11g_2437MHz



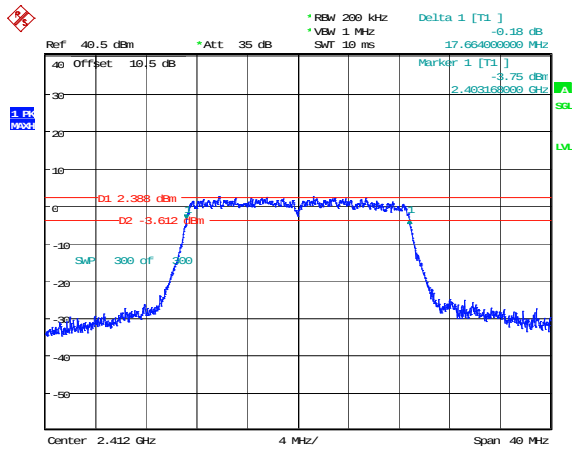
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802.11g_2462MHz



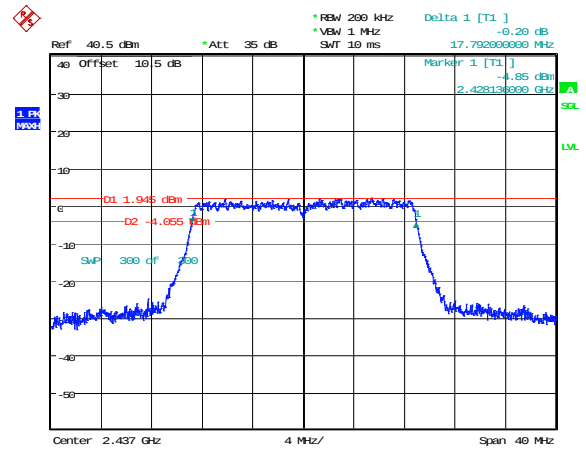
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802.11n20_2412MHz



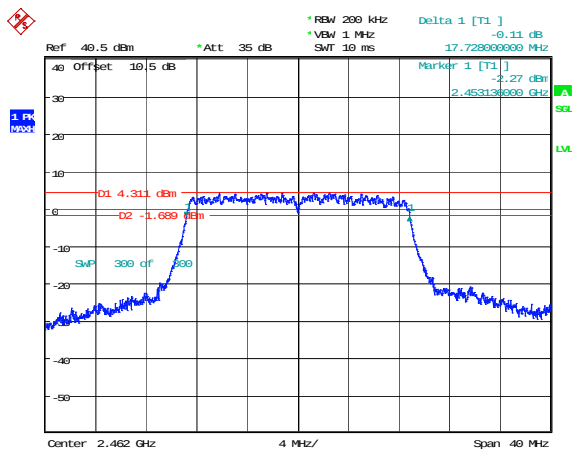
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802.11n20_2437MHz



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802.11n20_2462MHz



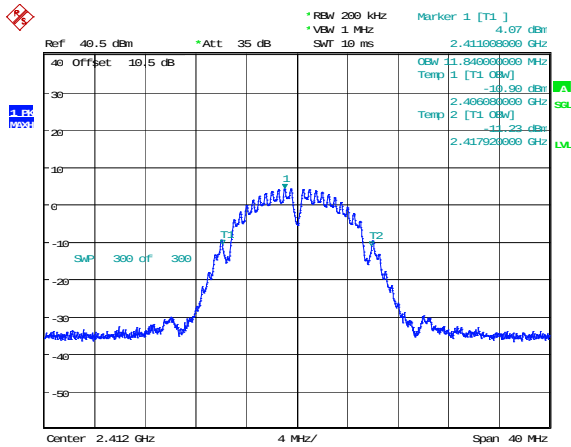
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Date: 25.APR.2025 16:29:18

99% Occupied Bandwidth

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11b	2412	11.840
	2437	11.904
	2462	11.840
802.11g	2412	16.960
	2437	17.216
	2462	17.088
802.11n20	2412	17.824
	2437	17.984
	2462	17.920

2.4G

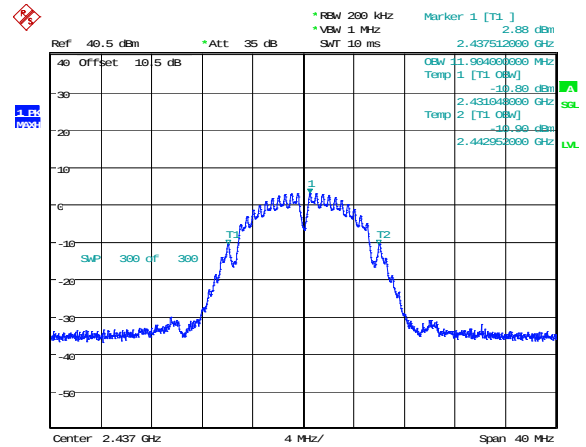
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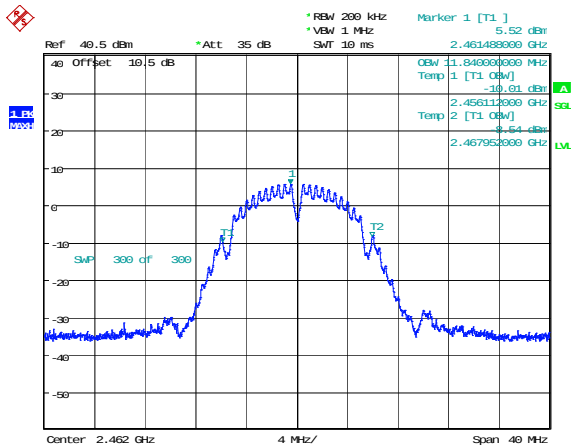
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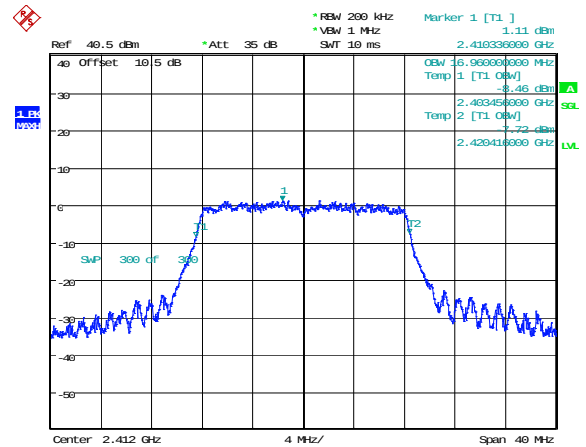
802.11b_2462MHz



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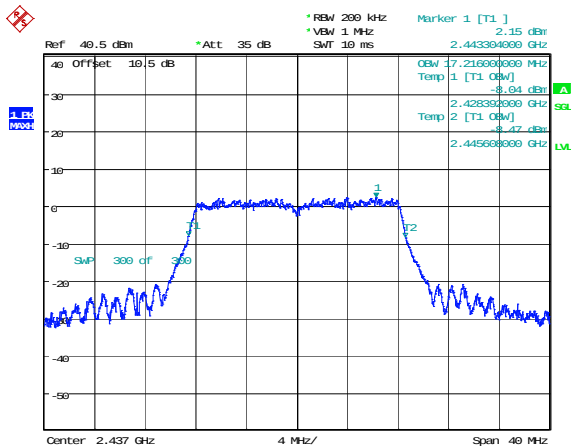
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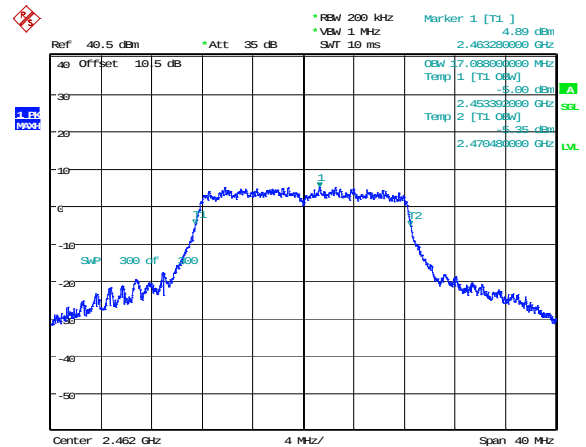
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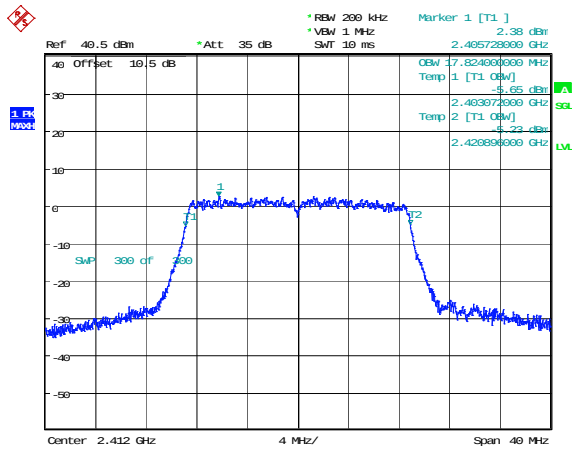
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Comment: ProjectNo.:2503S02963E-RF Tester:LingLing Li

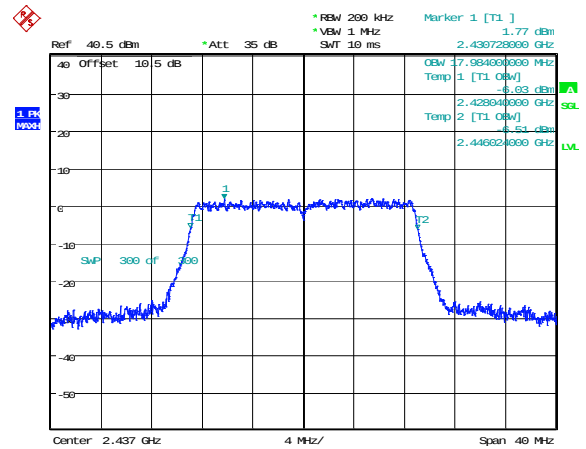
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802.11n20_2412MHz



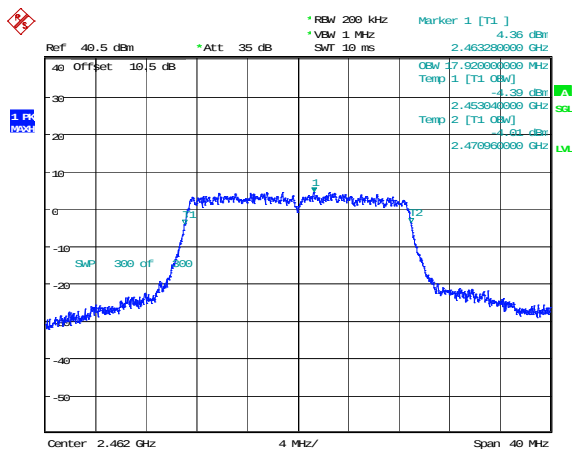
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802.11n20_2437MHz



Comment: ProjectNo.:2503S02963E-RF Tester:LingLing LI
Date: 25.APR.2025 16:27:59

802.11n20_2462MHz



Comment: ProjectNo.:2503S02963E-RF Tester:LingLing LI
Date: 25.APR.2025 16:29:55

Maximum Conducted Output Power

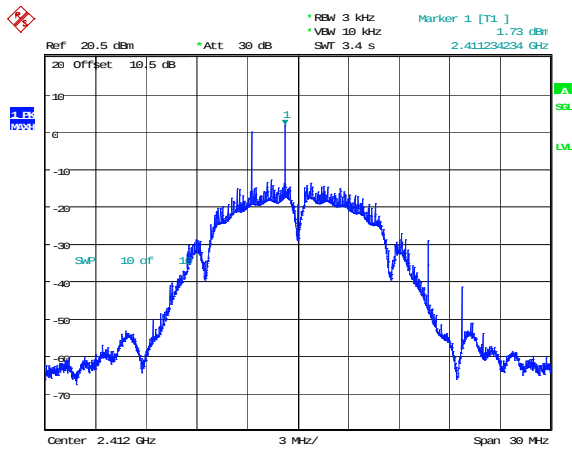
Mode	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	15.14	11.01	30	Pass
	2437	14.02	10.75	30	Pass
	2462	16.62	12.60	30	Pass
802.11g	2412	20.95	10.28	30	Pass
	2437	20.48	11.52	30	Pass
	2462	22.97	13.93	30	Pass
802.11n20	2412	20.30	11.27	30	Pass
	2437	20.23	11.05	30	Pass
	2462	22.25	13.23	30	Pass

Power Spectral Density

Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	1.73	8	Pass
	2437	-1.49	8	Pass
	2462	3.17	8	Pass
802.11g	2412	-14.19	8	Pass
	2437	-14.19	8	Pass
	2462	-11.40	8	Pass
802.11n20	2412	-12.65	8	Pass
	2437	-14.17	8	Pass
	2462	-11.45	8	Pass

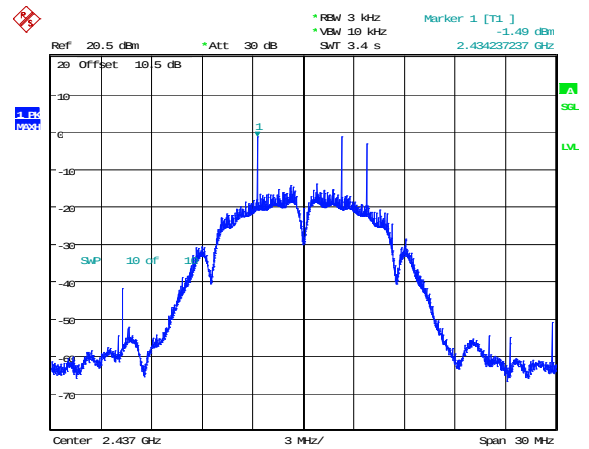
2.4G

802.11b_2412MHz



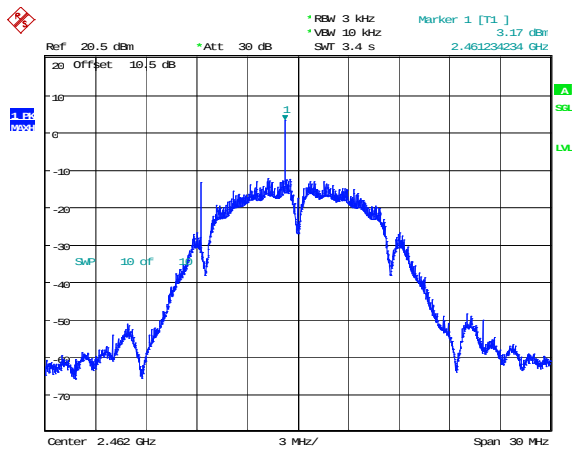
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802.11b_2437MHz



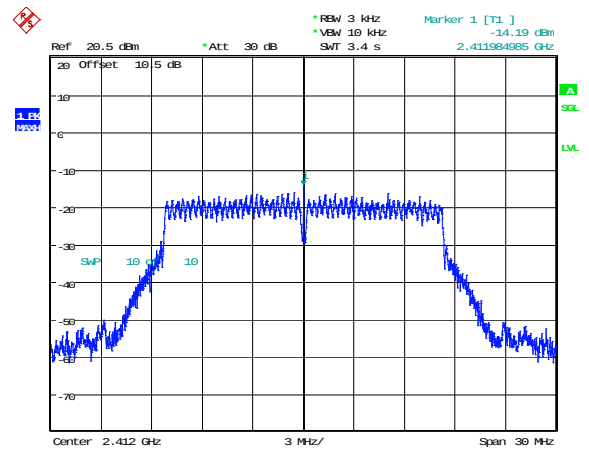
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802.11b_2462MHz



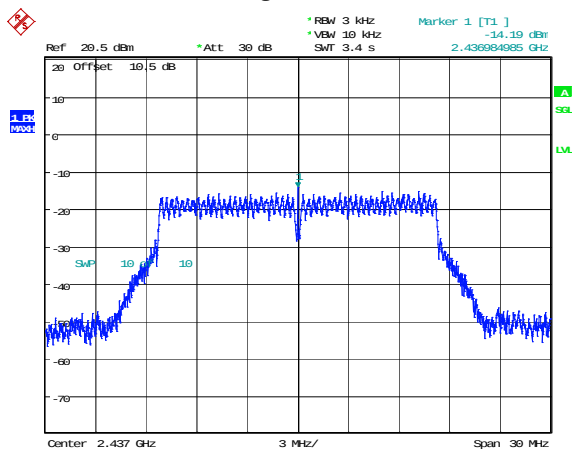
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802.11g_2412MHz



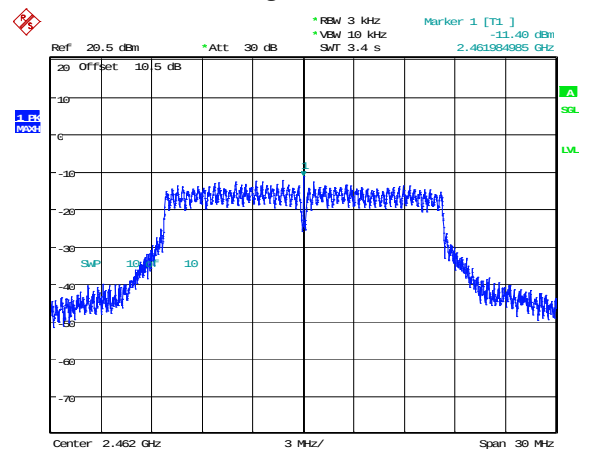
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802.11g_2437MHz



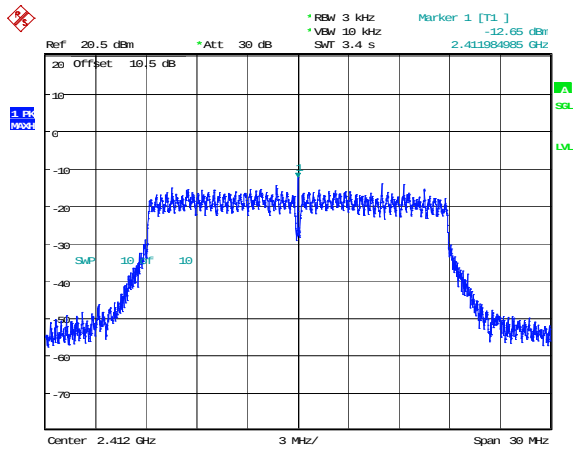
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802.11g_2462MHz



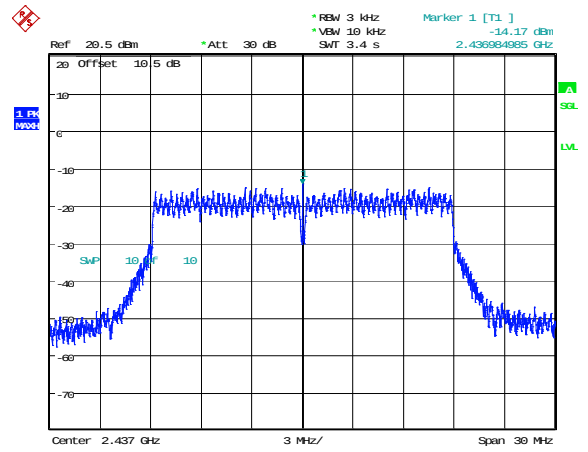
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802.11n20_2412MHz



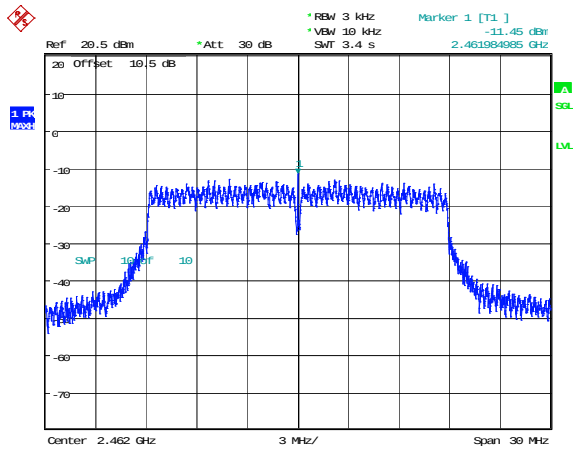
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Date: 25.APR.2025 16:08:00

802.11n20_2437MHz



Comment: ProjectNo.:2503S02963E-RF Tester:LingLing LI
Date: 25.APR.2025 16:08:59

802.11n20_2462MHz



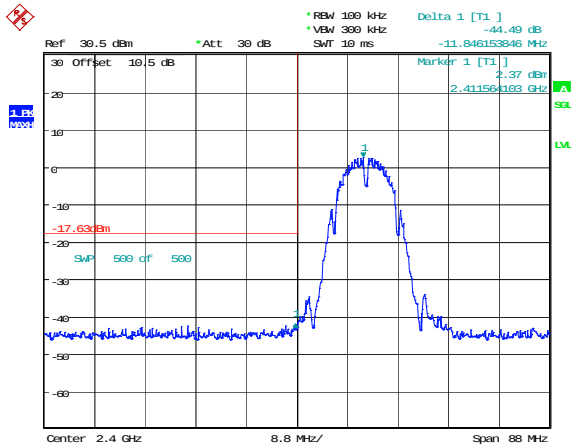
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Date: 25.APR.2025 16:09:59

100 kHz Bandwidth of Frequency Band Edge

Mode	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	2412	44.49	20	Pass
	2462	46.47	20	Pass
802.11g	2412	30.62	20	Pass
	2462	39.78	20	Pass
802.11n20	2412	34.22	20	Pass
	2462	38.39	20	Pass

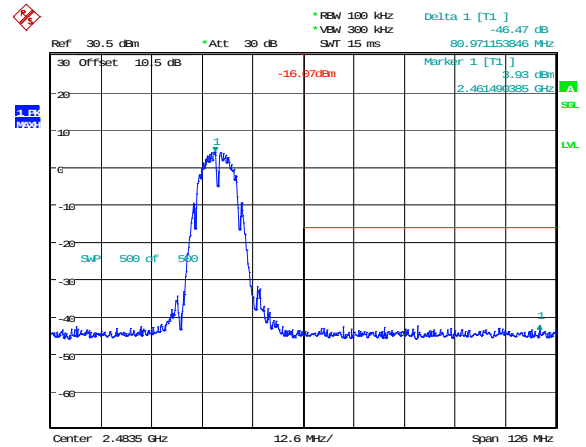
2.4G

802.11b_2412MHz



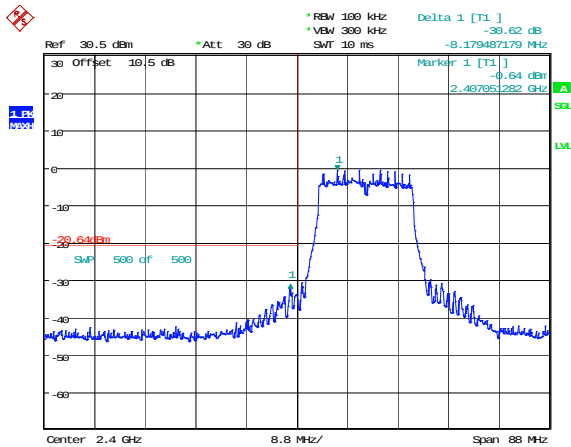
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802.11b_2462MHz



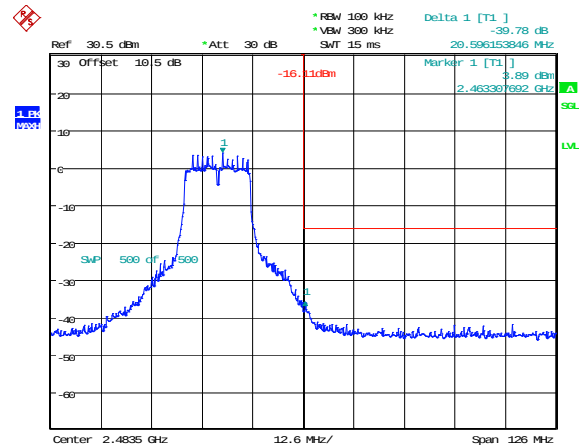
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802.11g_2412MHz



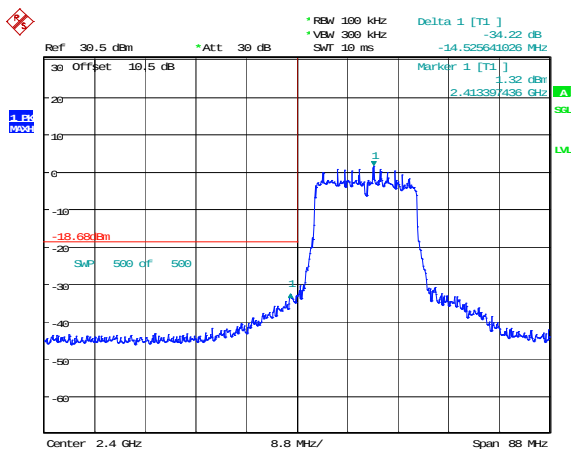
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802.11g_2462MHz



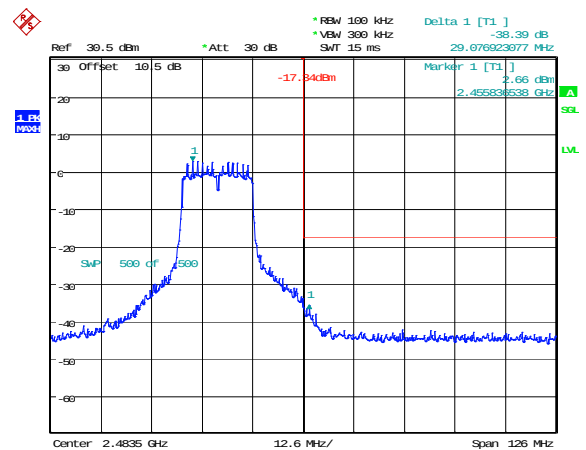
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802.11n20_2412MHz



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802.11n20_2462MHz



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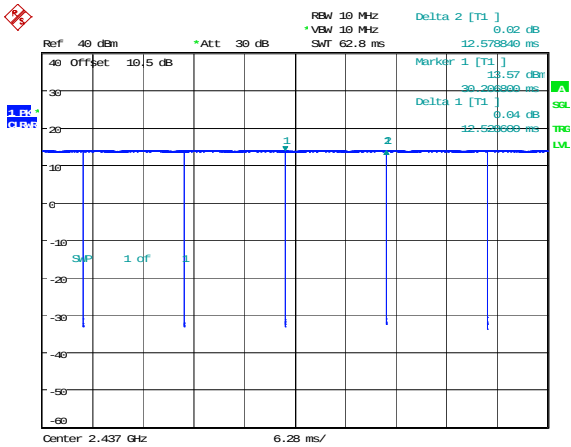
Duty Cycle

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	12.529	12.579	99.60	/	/	0.010
802.11g	2437	2.070	2.106	98.29	/	/	0.010
802.11n20	2437	1.932	1.976	97.77	0.10	518	1

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

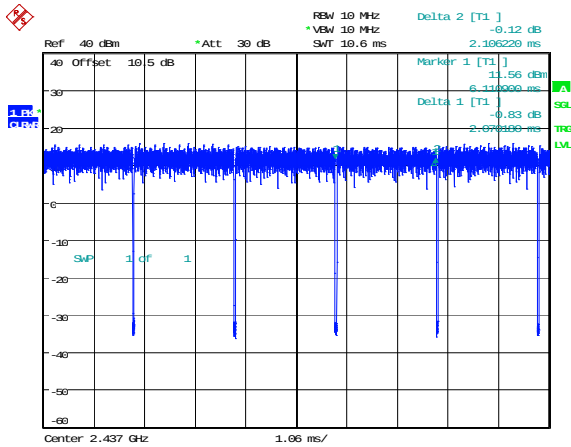
2.4G

802.11b_2437MHz



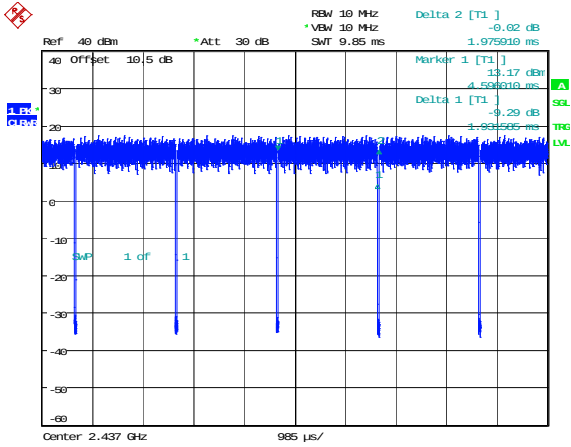
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802.11g_2437MHz



Comment: ProjectNo.:2503S02963E-RF Tester:LingLing Li
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802.11n20_2437MHz



Comment: ProjectNo.:2503S02963E-RF Tester:LingLing Li
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