



CQASZ20260701649E-02

Summary

NO.	Item	Verdict
1	DTS Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Maximum power spectral density	Pass
5	Band edge measurements	Pass
6	Conducted Spurious Emission	Pass
7	Emissions in Restricted Bands	Pass
8	Duty Cycle	Pass

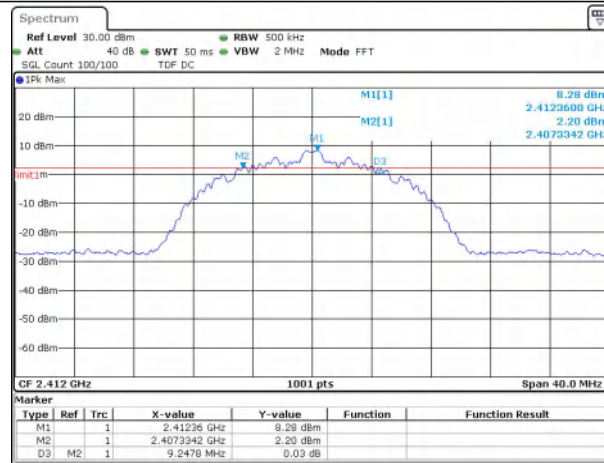
Appendix A: DTS Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	6dB Occupy Bandwidth (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	9.25	2407.00	2417.00	≥ 0.5	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	9.22	2432.00	2442.00	≥ 0.5	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	9.28	2457.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.84	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.40	2429.00	2445.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.81	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	16.19	2404.00	2420.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	16.08	2429.00	2445.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	17.06	2454.00	2471.00	≥ 0.5	Pass

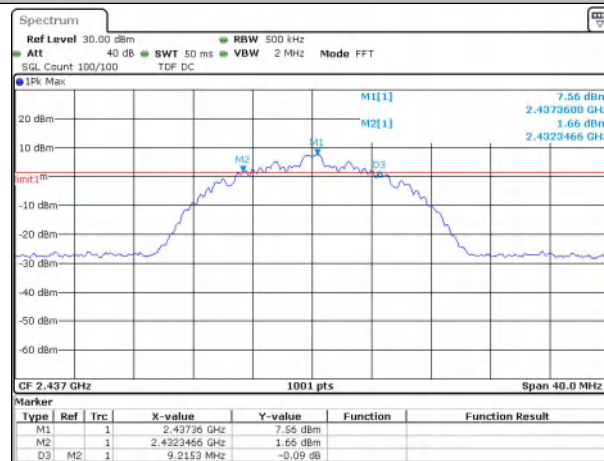
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



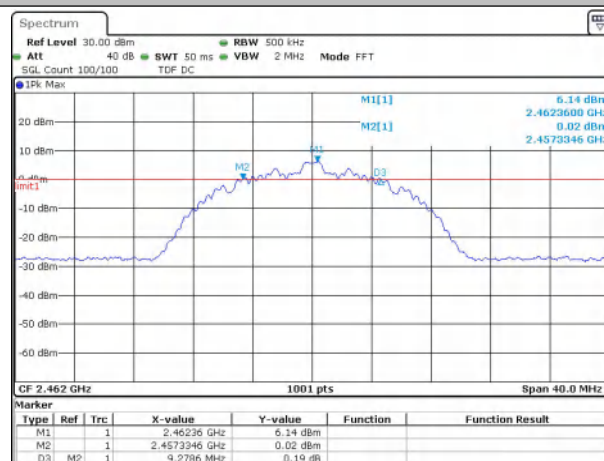
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



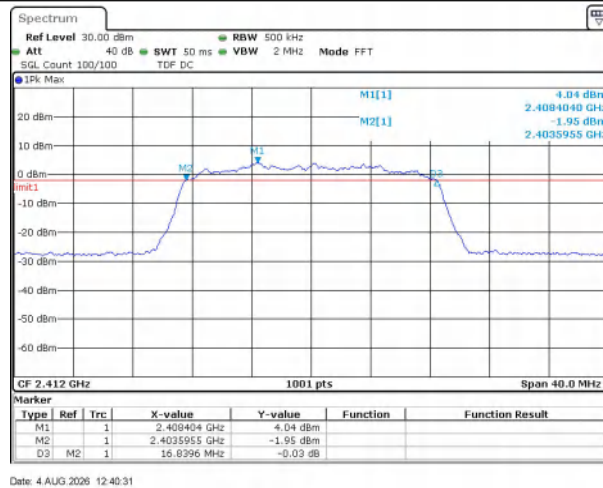
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

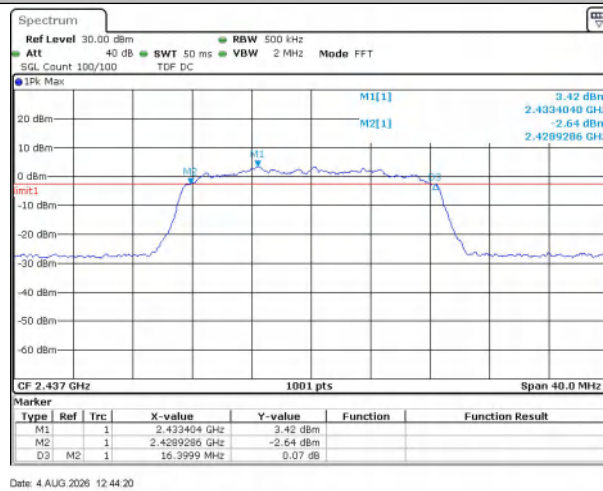


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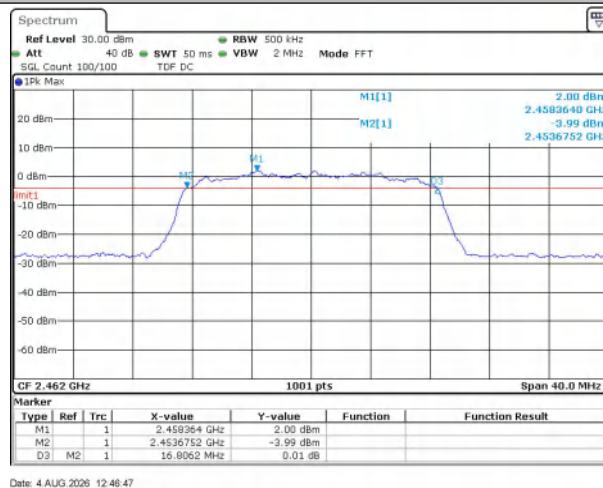
NTNV_802.11g(20M)_2412_6Mbps_ANT1



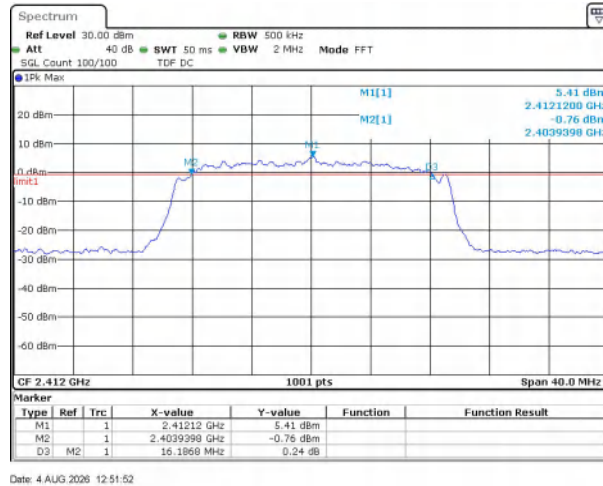
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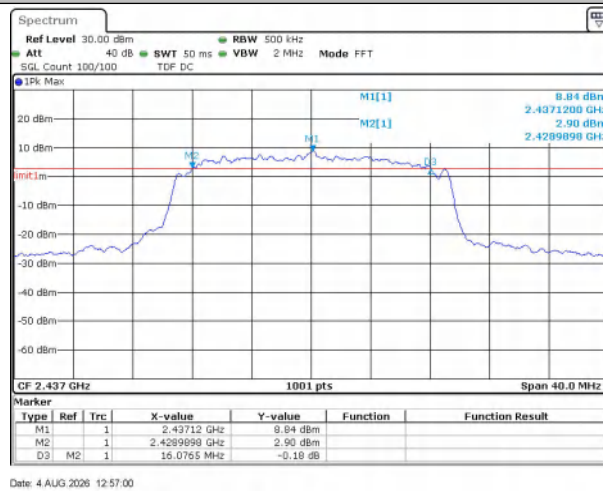
NTNV_802.11g(20M)_2462_6Mbps_ANT1



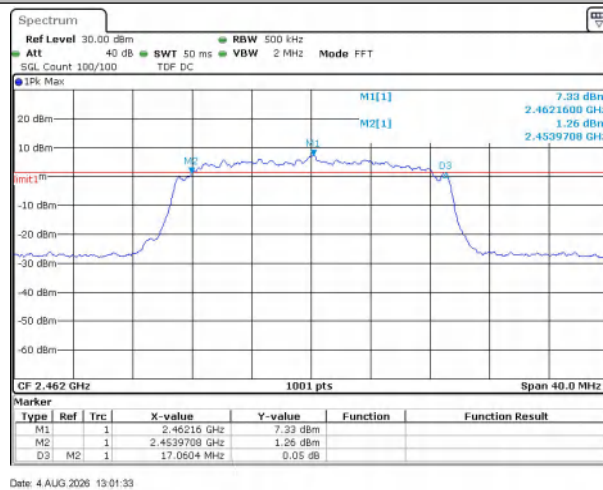
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



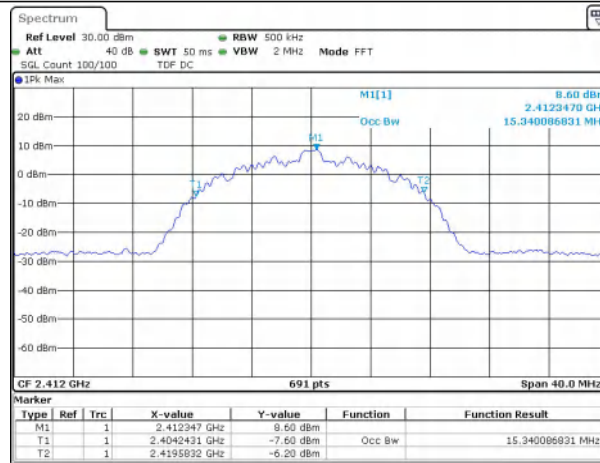
Appendix B: Occupied Channel Bandwidth

Test Result

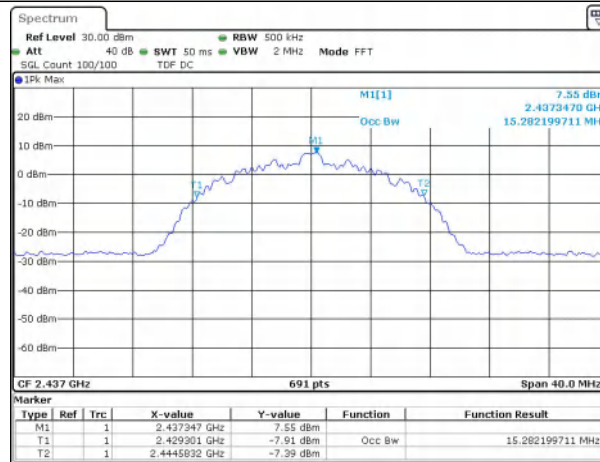
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	802.11b(20 M)	2412	1Mbps	ANT1	15.34	≥ 0.5	2404.00	2420.00	Pass
2	NTNV	802.11b(20 M)	2437	1Mbps	ANT1	15.28	≥ 0.5	2429.00	2445.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	ANT1	15.51	≥ 0.5	2454.00	2470.00	Pass
4	NTNV	802.11g(20 M)	2412	6Mbps	ANT1	17.31	≥ 0.5	2403.00	2421.00	Pass
5	NTNV	802.11g(20 M)	2437	6Mbps	ANT1	17.31	≥ 0.5	2428.00	2446.00	Pass
6	NTNV	802.11g(20 M)	2462	6Mbps	ANT1	17.42	≥ 0.5	2453.00	2471.00	Pass
7	NTNV	802.11n(20 M)	2412	MCS0	ANT1	18.23	≥ 0.5	2403.00	2421.00	Pass
8	NTNV	802.11n(20 M)	2437	MCS0	ANT1	18.23	≥ 0.5	2428.00	2446.00	Pass
9	NTNV	802.11n(20 M)	2462	MCS0	ANT1	18.23	≥ 0.5	2453.00	2471.00	Pass

Test Graphs

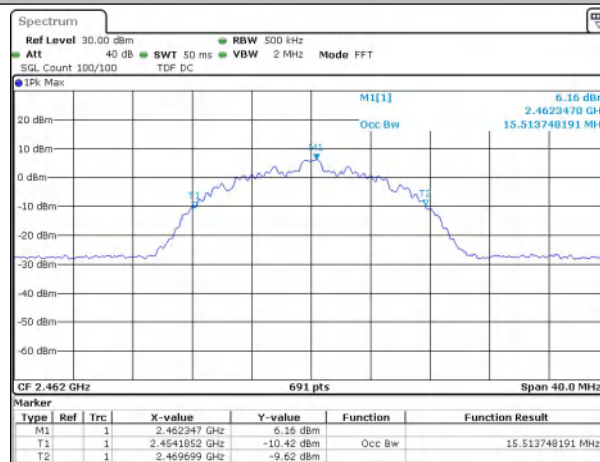
NTNV_802.11b(20M)_2412_1Mbps_ANT1



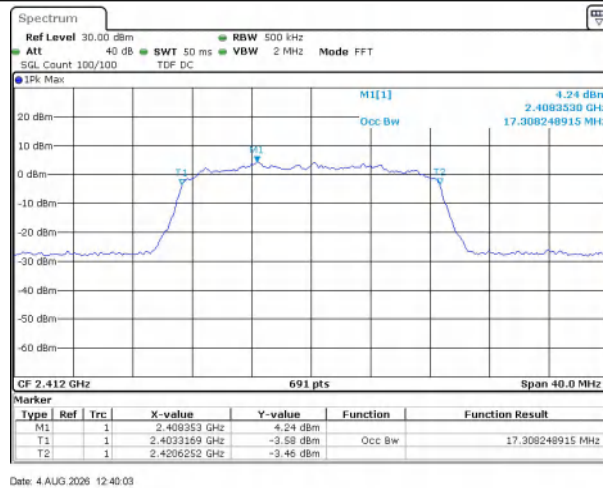
NTNV_802.11b(20M)_2437_1Mbps_ANT1



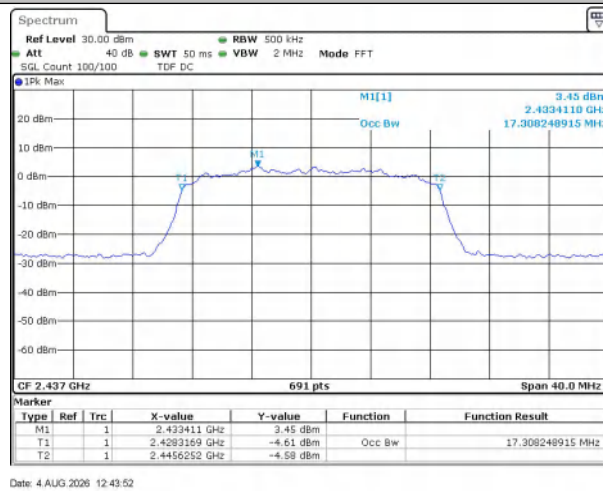
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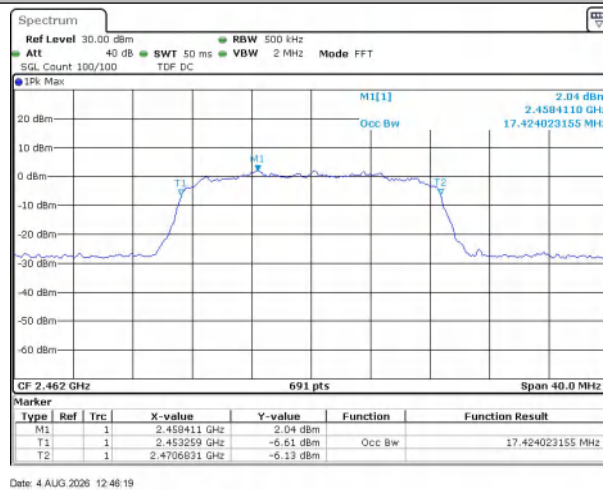
NTNV_802.11g(20M)_2412_6Mbps_ANT1



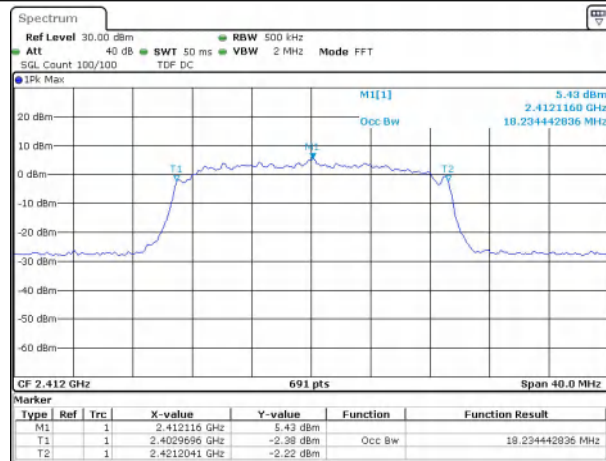
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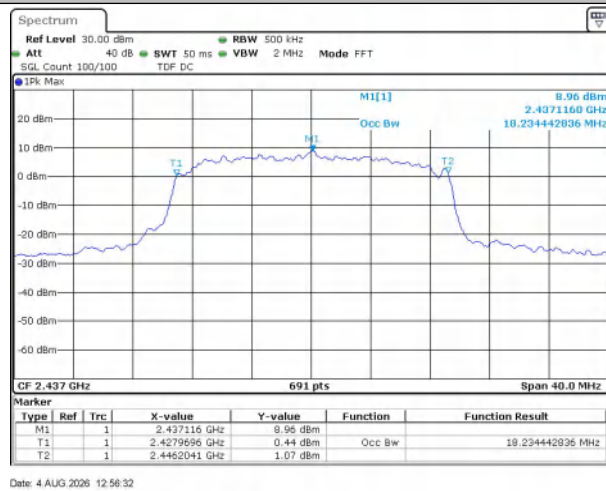
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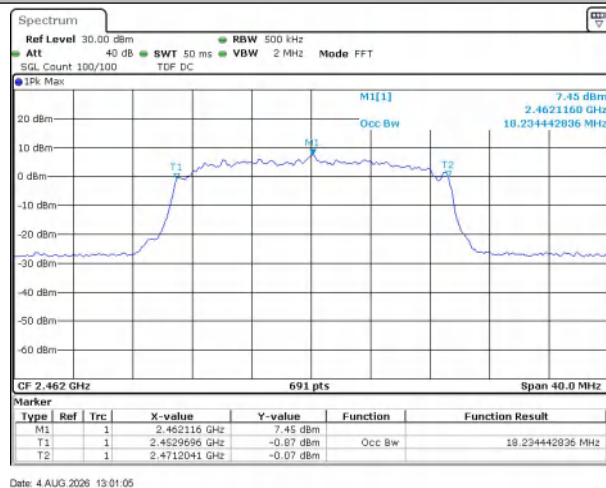
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



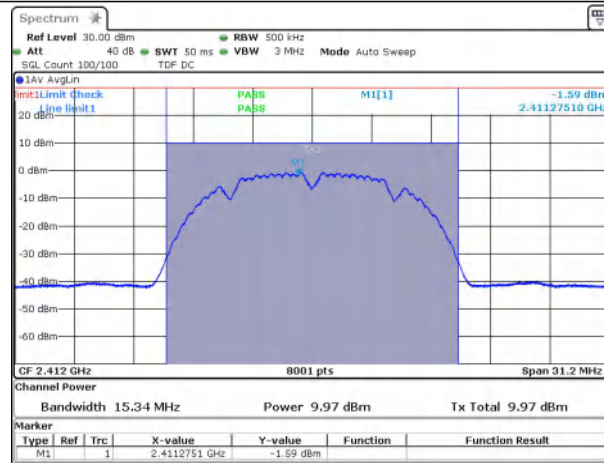
Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	802.11b(20 M)	2412	AVER	ANT1	9.97	≤30	Pass
2	NTNV	802.11b(20 M)	2437	AVER	ANT1	9.38	≤30	Pass
3	NTNV	802.11b(20 M)	2462	AVER	ANT1	8.09	≤30	Pass
4	NTNV	802.11g(20 M)	2412	AVER	ANT1	6.03	≤30	Pass
5	NTNV	802.11g(20 M)	2437	AVER	ANT1	5.44	≤30	Pass
6	NTNV	802.11g(20 M)	2462	AVER	ANT1	4.12	≤30	Pass
7	NTNV	802.11n(20 M)	2412	AVER	ANT1	7.01	≤30	Pass
8	NTNV	802.11n(20 M)	2437	AVER	ANT1	10.22	≤30	Pass
9	NTNV	802.11n(20 M)	2462	AVER	ANT1	8.89	≤30	Pass

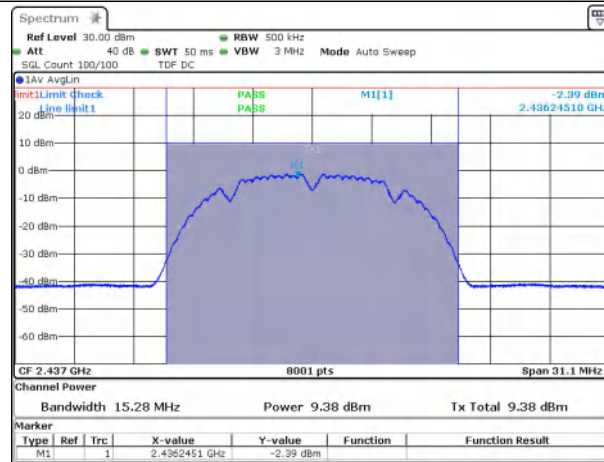
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



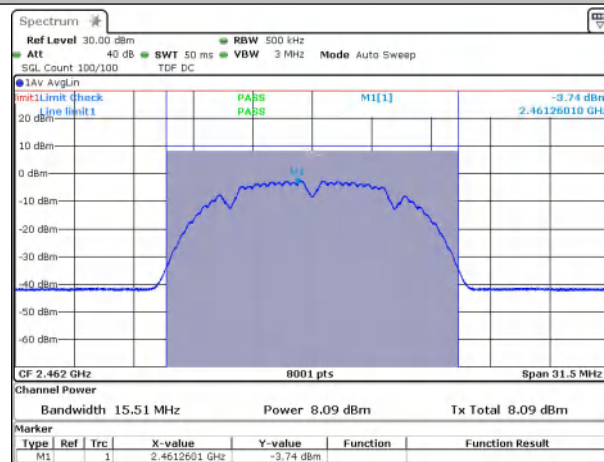
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



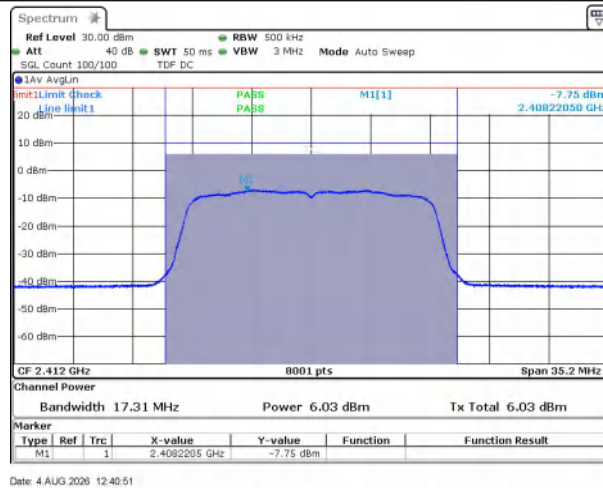
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

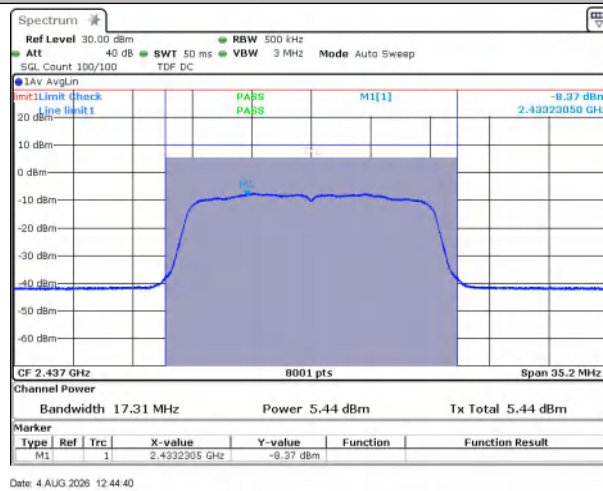


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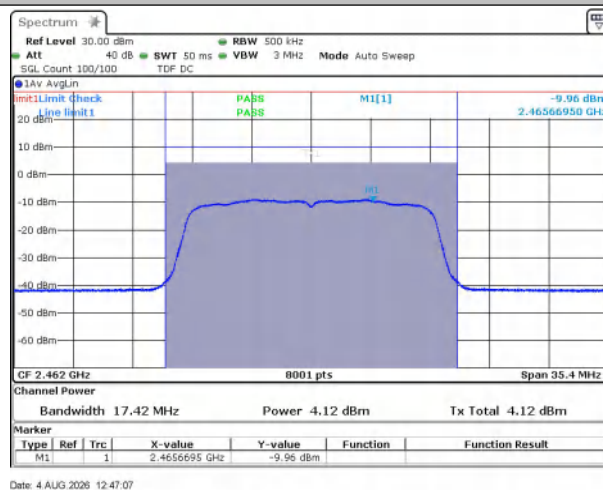
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



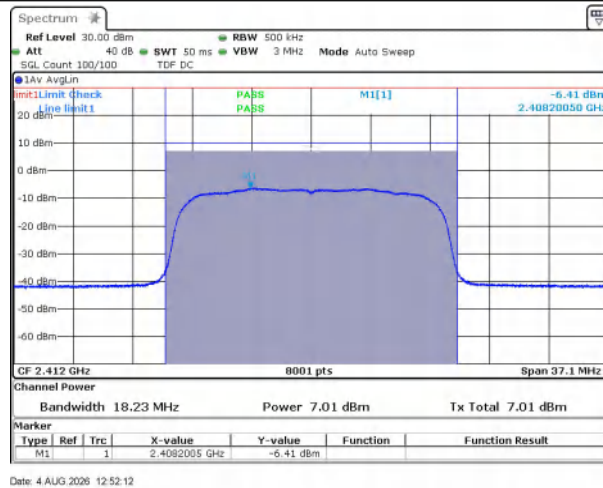
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



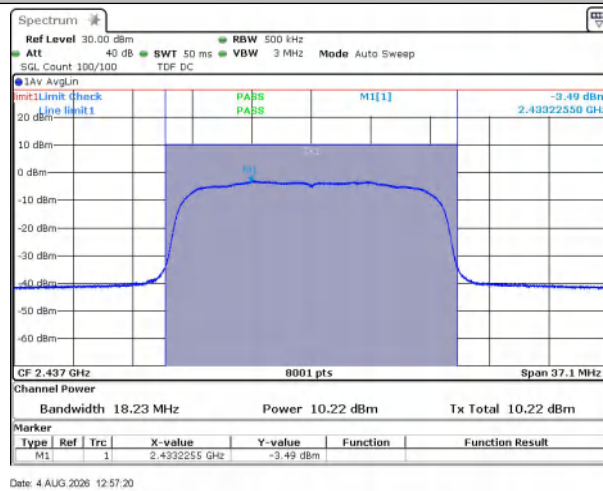
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



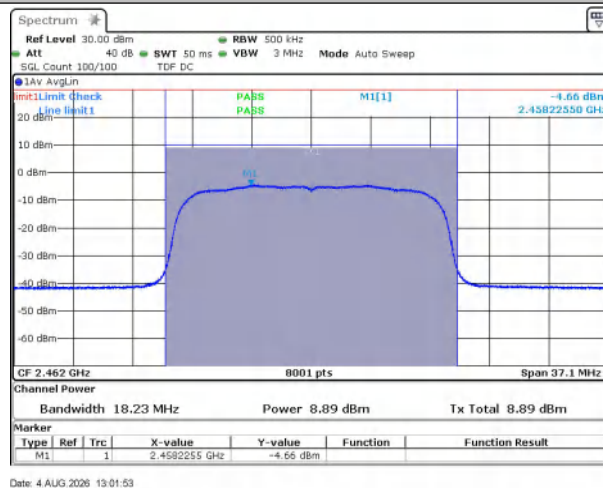
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



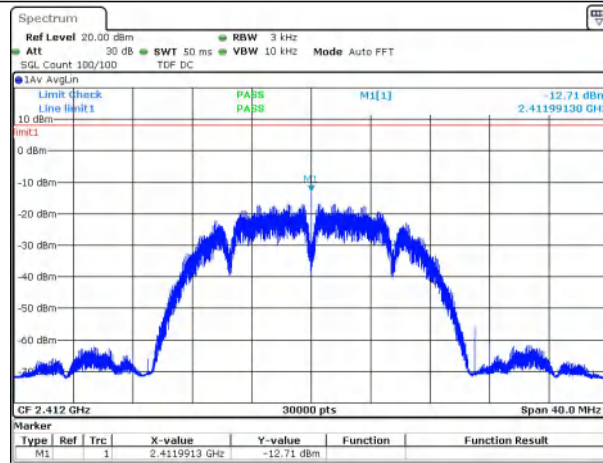
Appendix D: Maximum power spectral density

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	-12.71	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-13.67	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-14.38	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-17.75	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-18.65	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-20.32	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-19.35	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-16.28	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-17.47	≤ 8	Pass

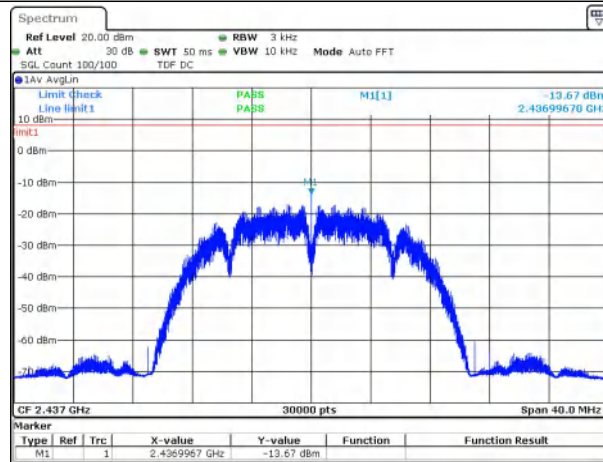
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



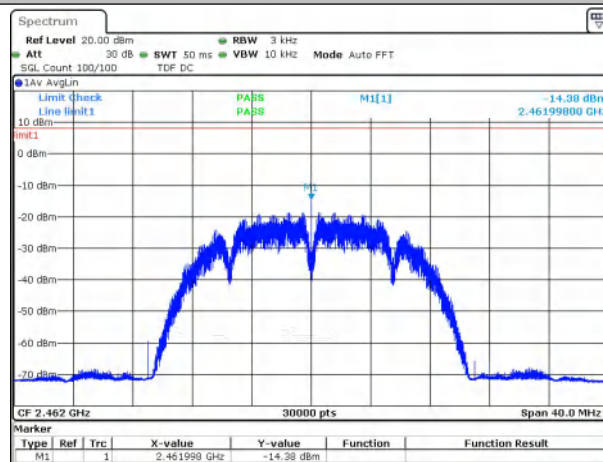
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



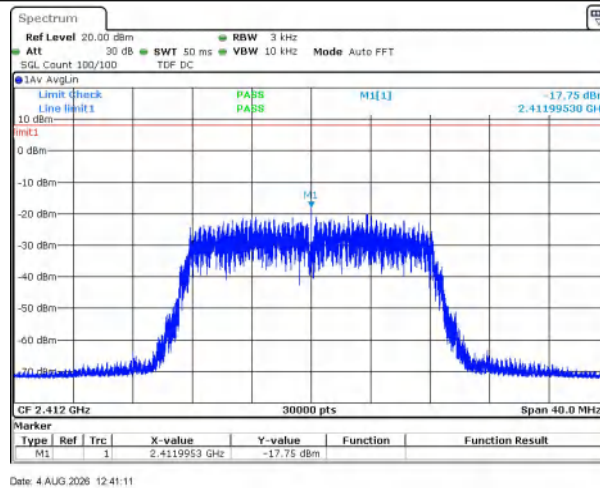
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

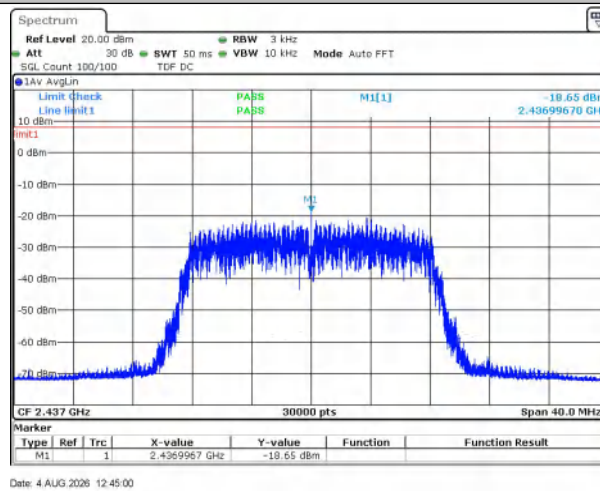


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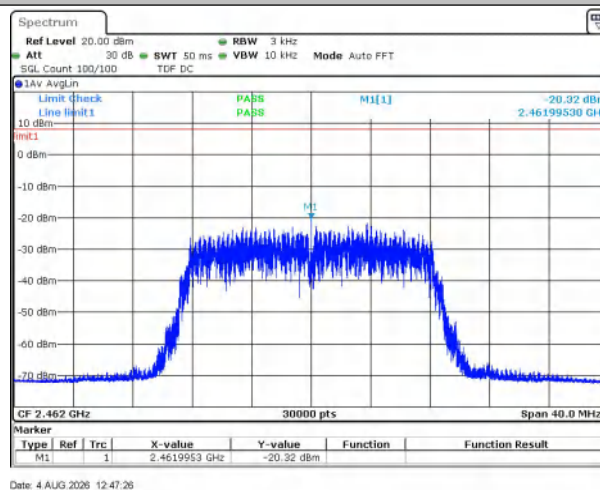
NTNV_802.11g(20M)_2412_6Mbps_ANT1



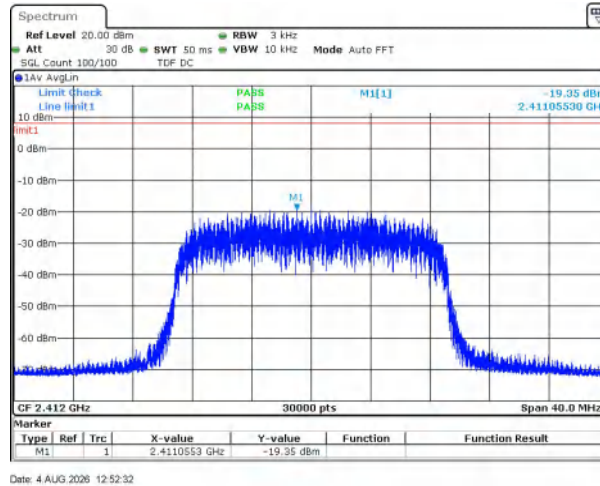
NTNV_802.11g(20M)_2437_6Mbps_ANT1



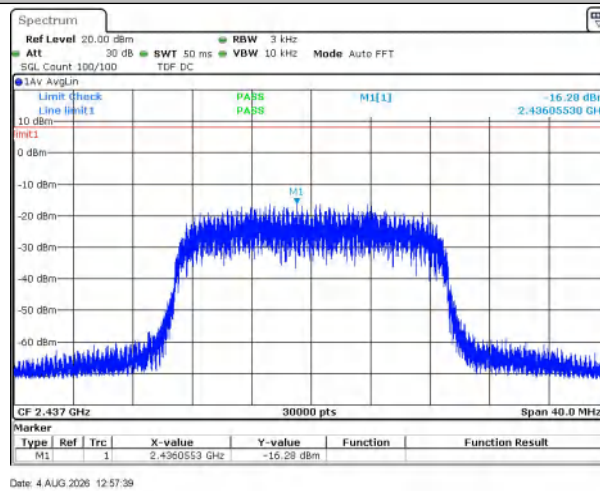
NTNV_802.11g(20M)_2462_6Mbps_ANT1



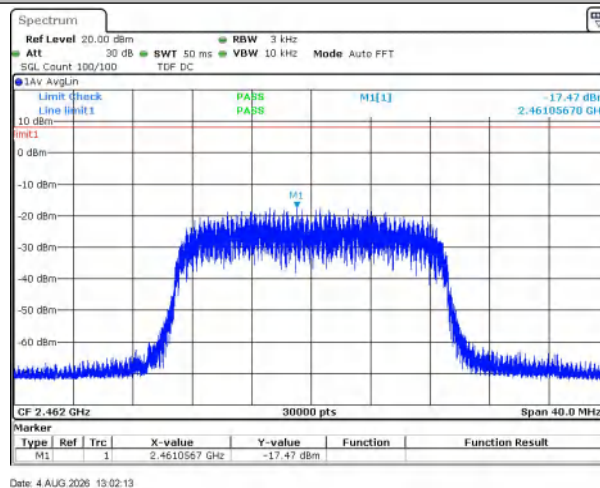
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



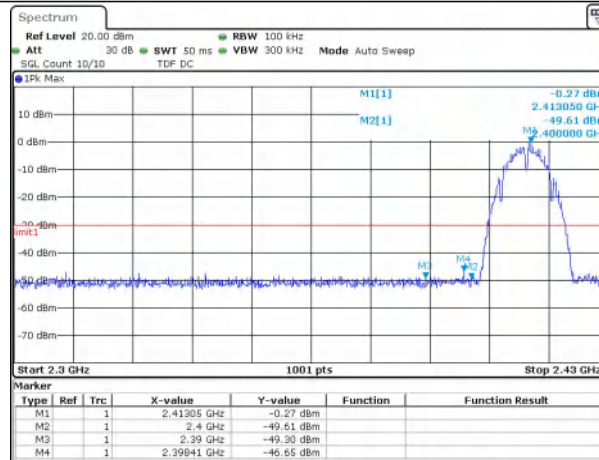
Appendix E: Band edge measurements

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Reference (dBm)	Emission Level (dBm)	Limit (dBm)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	-0.27	-46.64	≤ -20.27	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-0.76	-45.93	≤ -20.76	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-2.56	-46.22	≤ -22.56	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-4.84	-46.89	≤ -24.84	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	-3.86	-42.41	≤ -23.86	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-3.64	-47.26	≤ -23.64	Pass

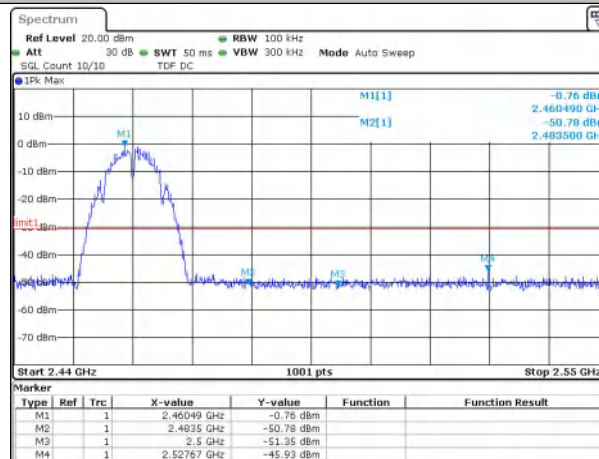
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



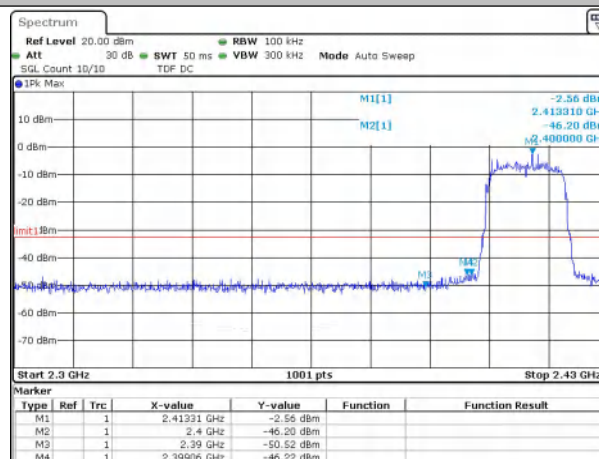
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



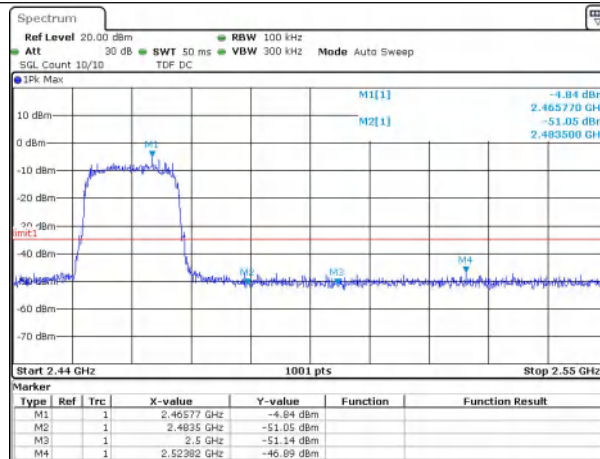
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



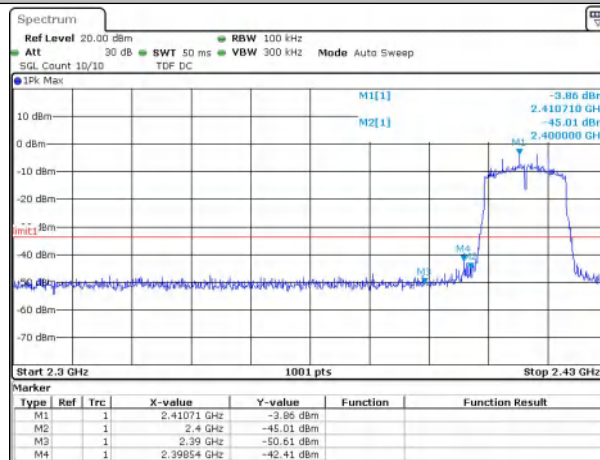
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



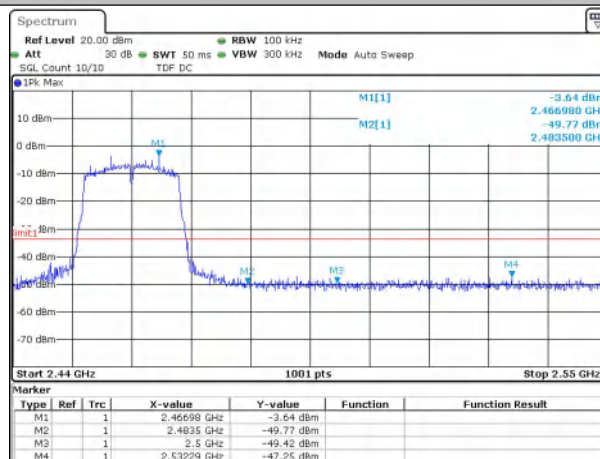
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NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 8 OCT 2026 19:29:24

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 8 OCT 2026 19:32:41

Appendix F: Conducted Spurious Emission

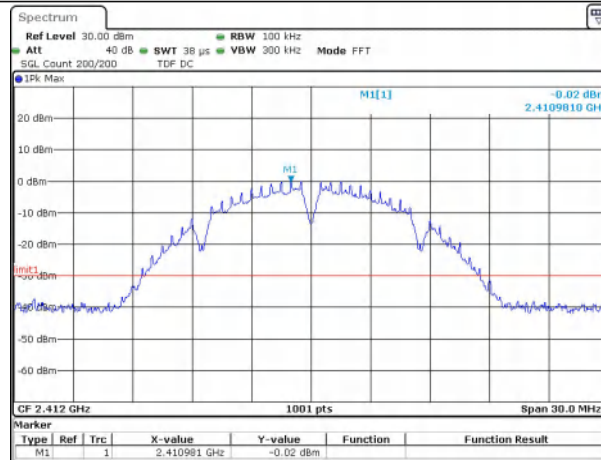
Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	Reference	0.1	-0.02	/	PASS
						30~1000	0.1	-49.39	≤-30.02	Pass
						1000~26500	0.1	-36.12	≤-30.02	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	0.28	/	PASS
						30~1000	0.1	-49.69	≤-29.72	Pass
						1000~26500	0.1	-36.10	≤-29.72	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	-0.62	/	PASS
						30~1000	0.1	-48.96	≤-30.62	Pass
						1000~26500	0.1	-35.76	≤-30.62	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	-2.3	/	PASS
						30~1000	0.1	-49.19	≤-32.30	Pass
						1000~26500	0.1	-36.38	≤-32.30	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	-3.74	/	PASS
						30~1000	0.1	-48.90	≤-33.74	Pass
						1000~26500	0.1	-35.29	≤-33.74	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-4.34	/	PASS
						30~1000	0.1	-49.68	≤-34.34	Pass
						1000~26500	0.1	-36.44	≤-34.34	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	-6.16	/	PASS
						30~1000	0.1	-48.81	≤-36.16	Pass
						1000~26500	0.1	-36.33	≤-36.16	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	-1.02	/	PASS
						30~1000	0.1	-49.55	≤-31.02	Pass
						1000~26500	0.1	-36.39	≤-31.02	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	-3.21	/	PASS

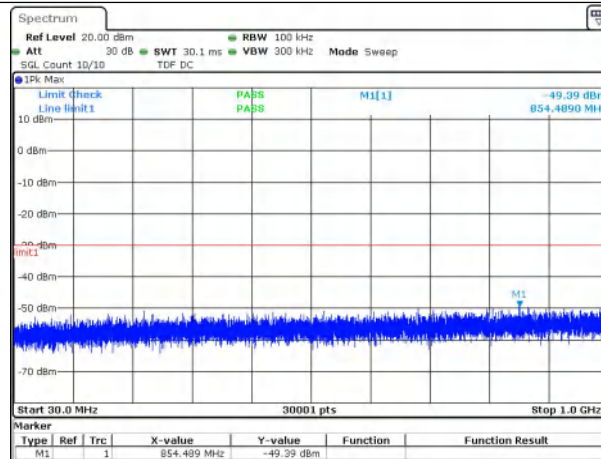
						30~1000	0.1	-49.55	≤ -33.21	Pass
						1000~26500	0.1	-36.62	≤ -33.21	Pass

Test Graphs

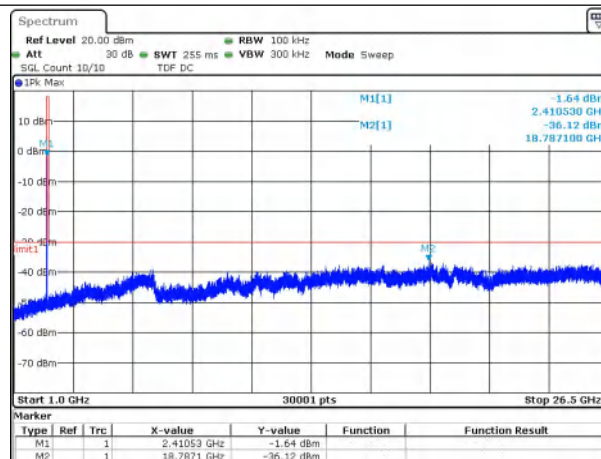
NTNV_802.11b(20M)_2412_1Mbps_ANT1



Date: 8 OCT 2026 19:14:28

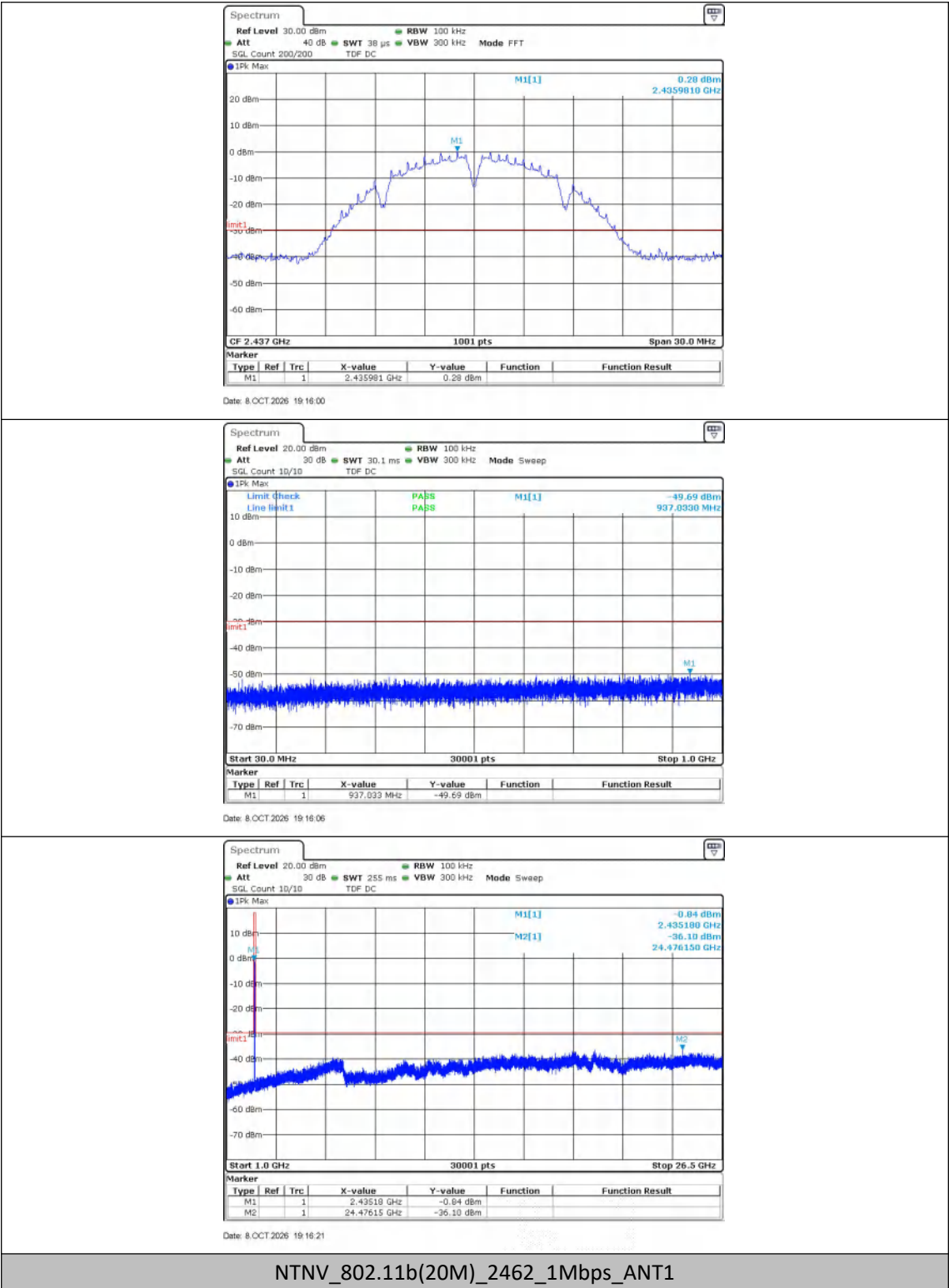


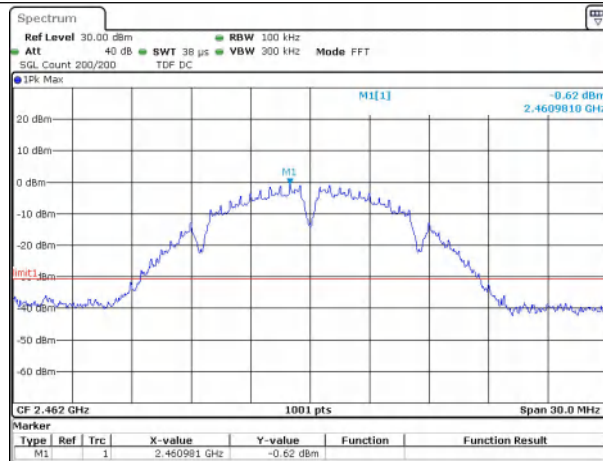
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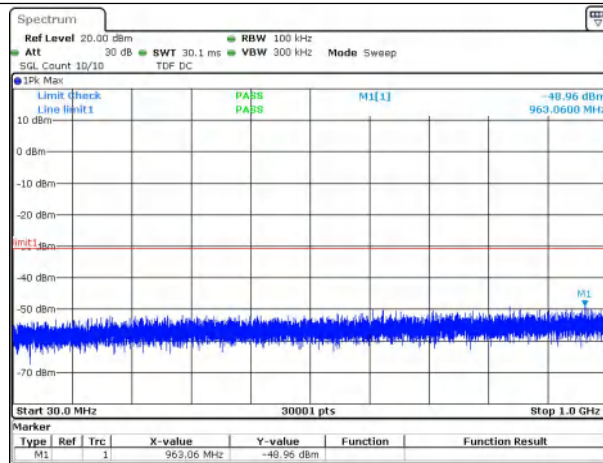
Date: 8 OCT 2026 19:14:49

NTNV_802.11b(20M)_2437_1Mbps_ANT1

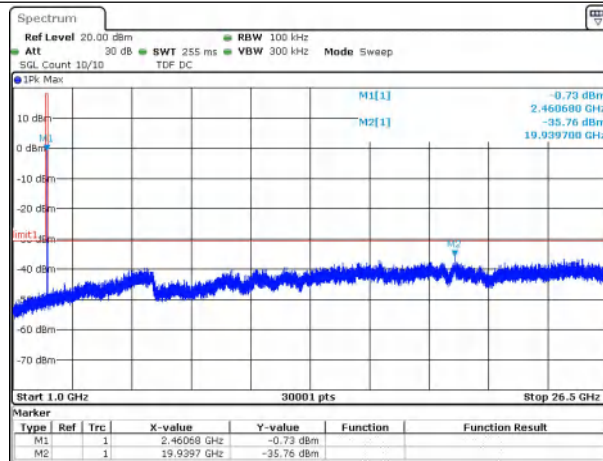




Date: 8 OCT 2026 19:18:12

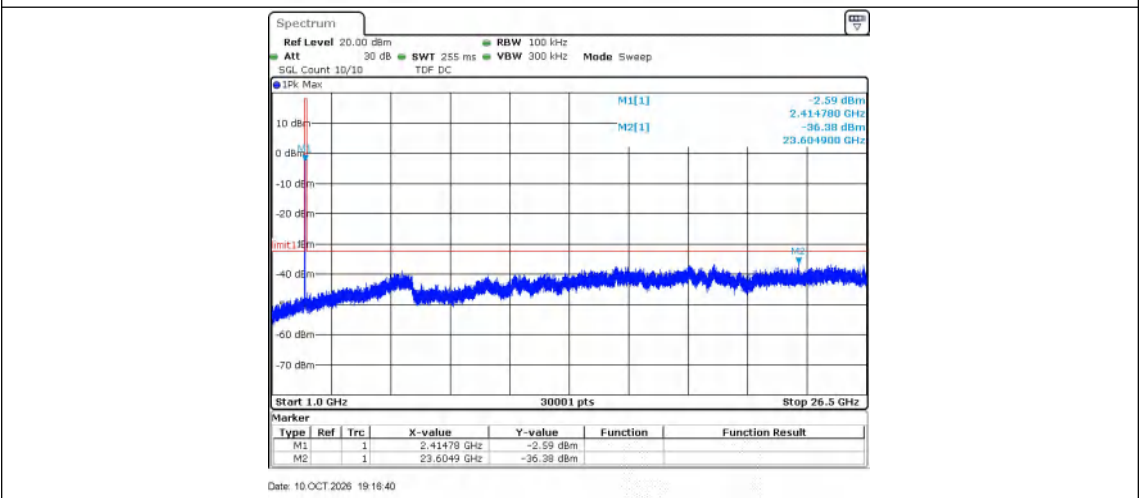
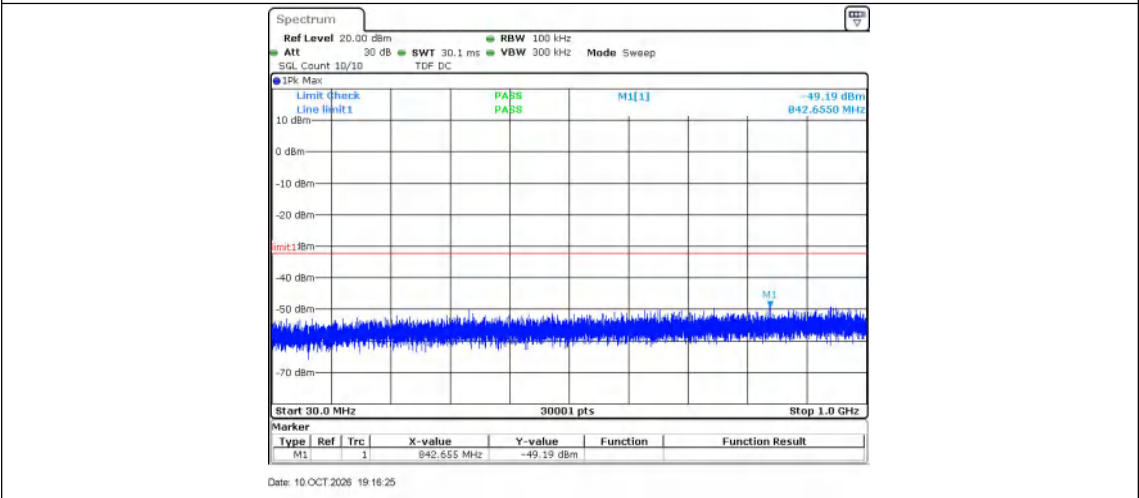
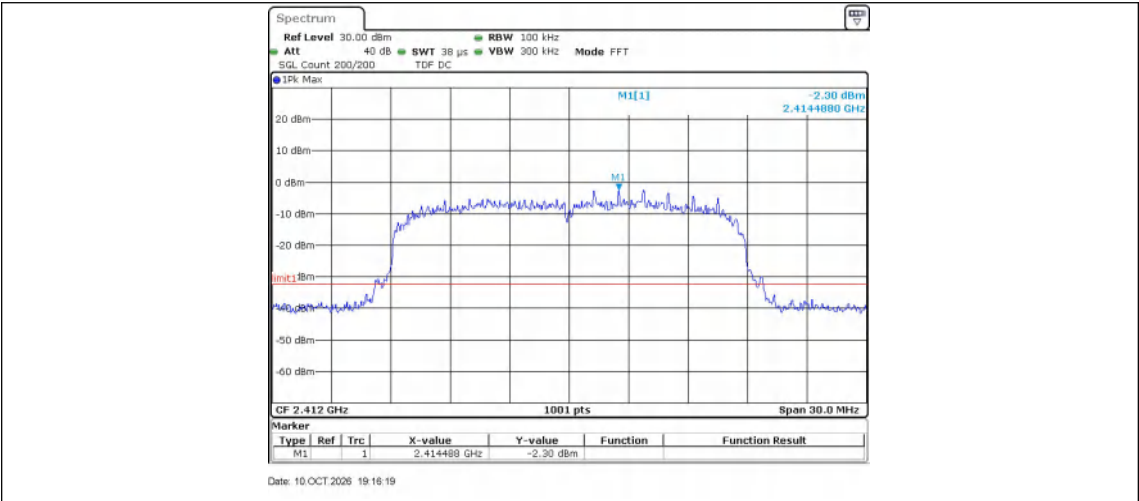


Date: 8 OCT 2026 19:18:18

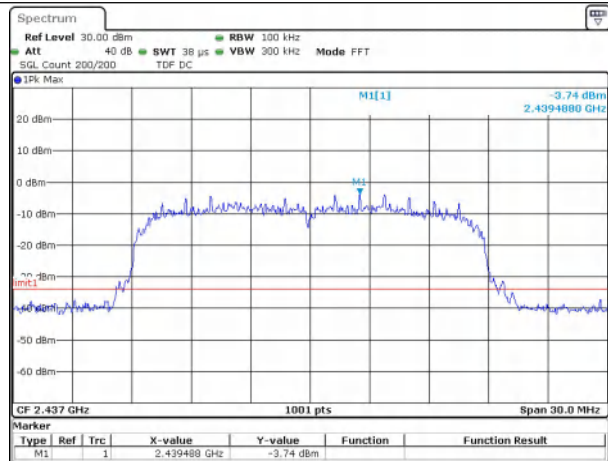


Date: 8 OCT 2026 19:18:32

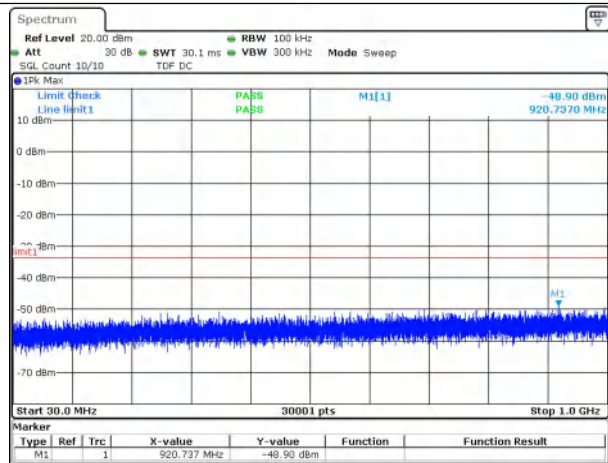
NTNV_802.11g(20M)_2412_6Mbps_ANT1



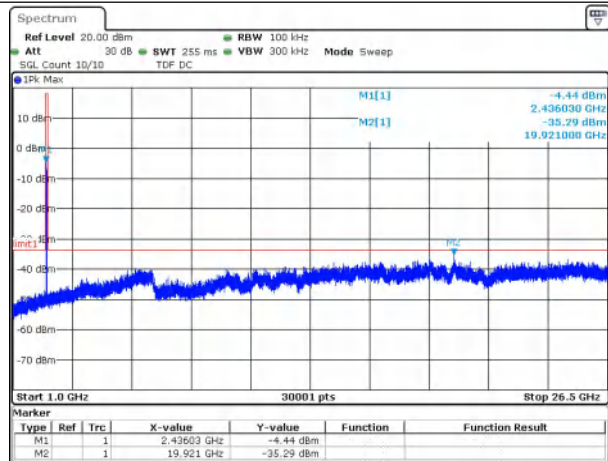
NTNV_802.11g(20M)_2437_6Mbps_ANT1



Date: 10 OCT 2026 19:18:59

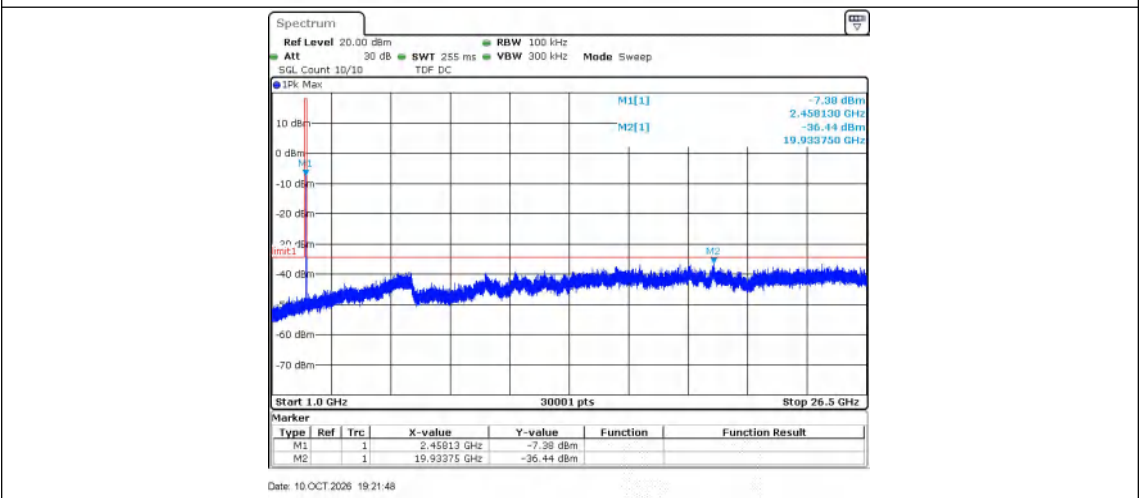
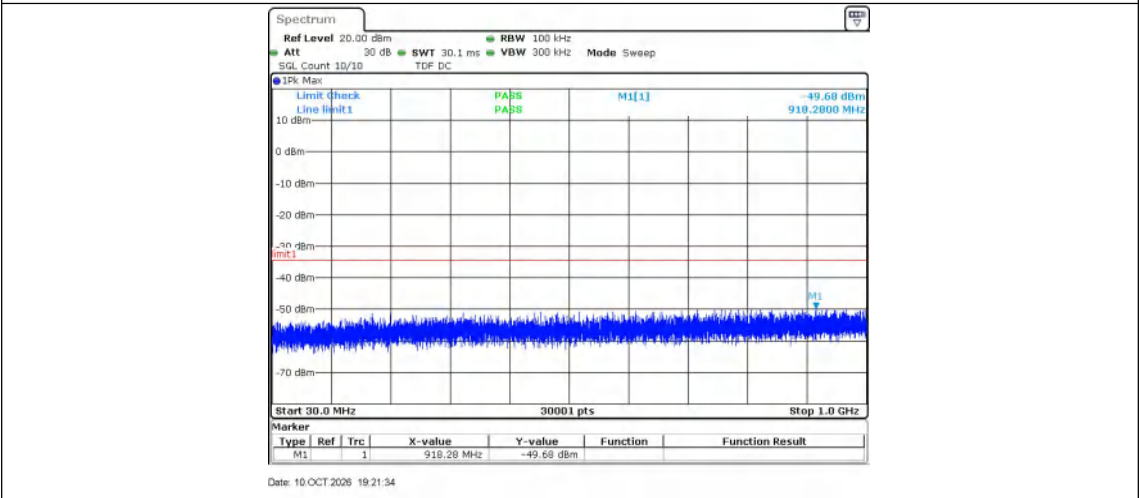
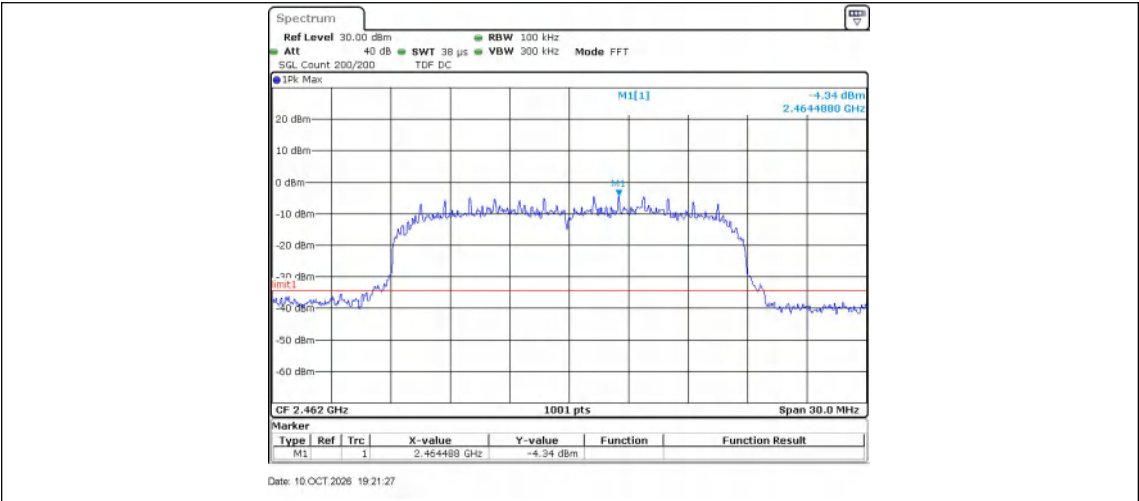


Date: 10 OCT 2026 19:19:05

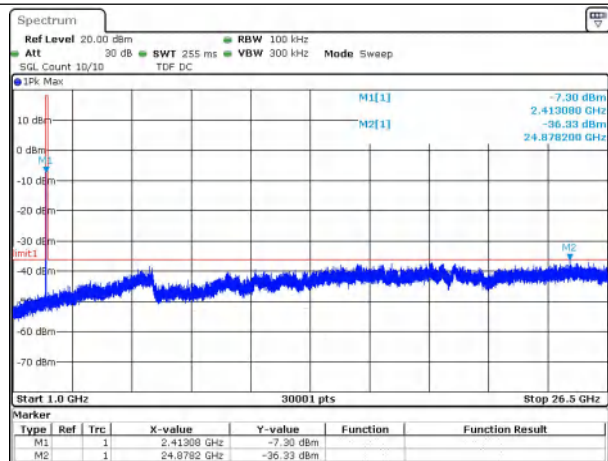
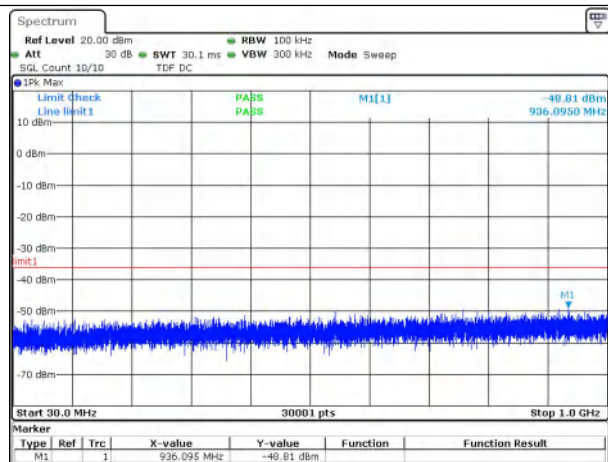
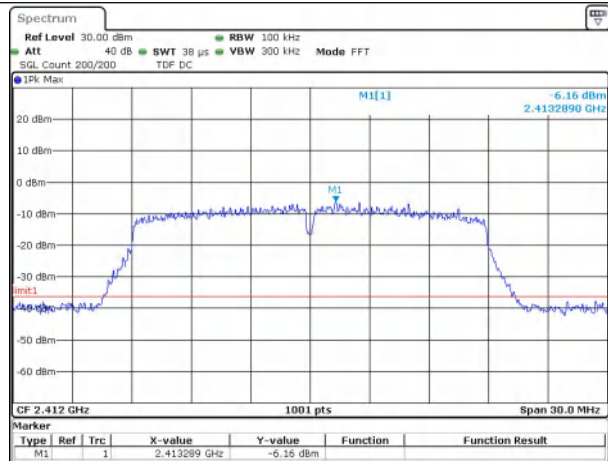


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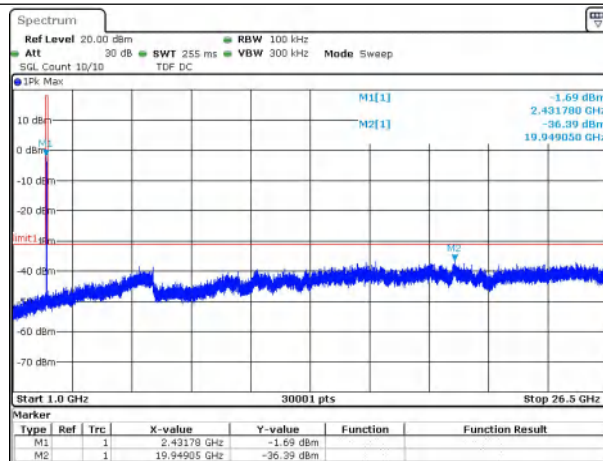
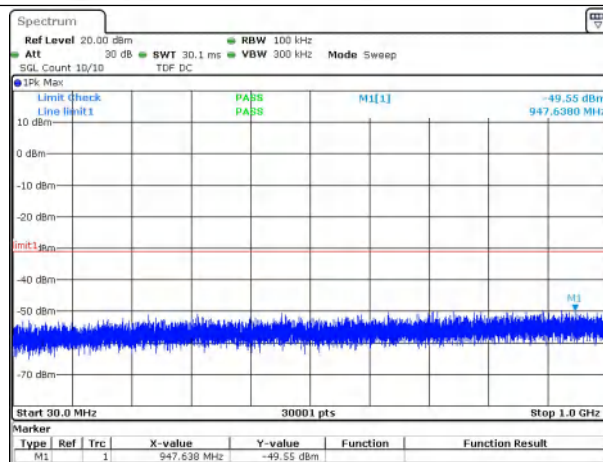
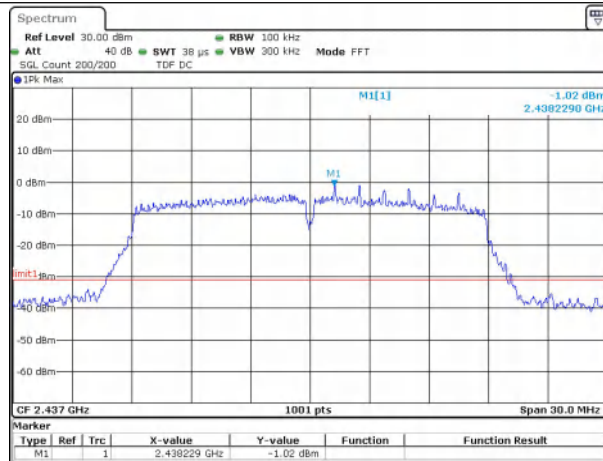
NTNV_802.11g(20M)_2462_6Mbps_ANT1



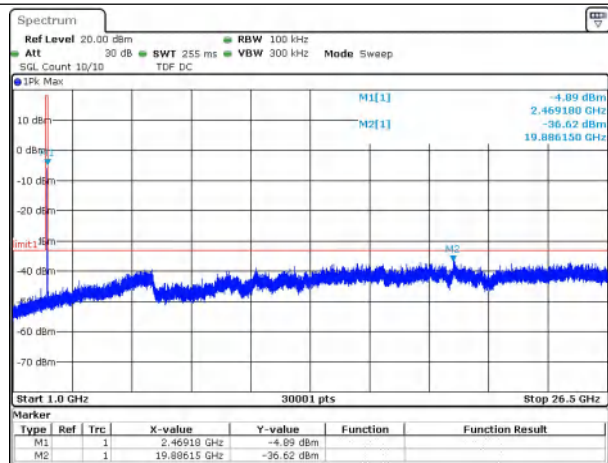
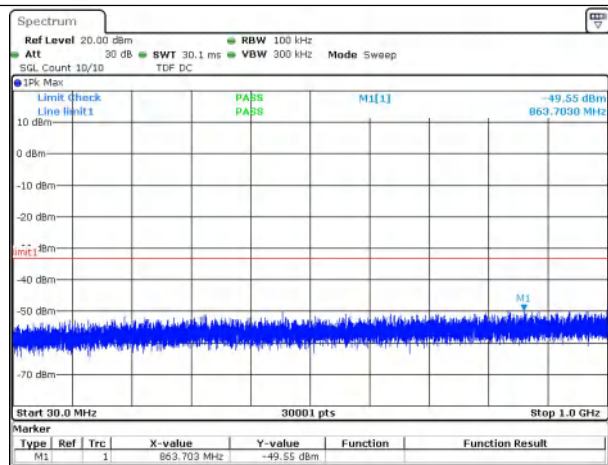
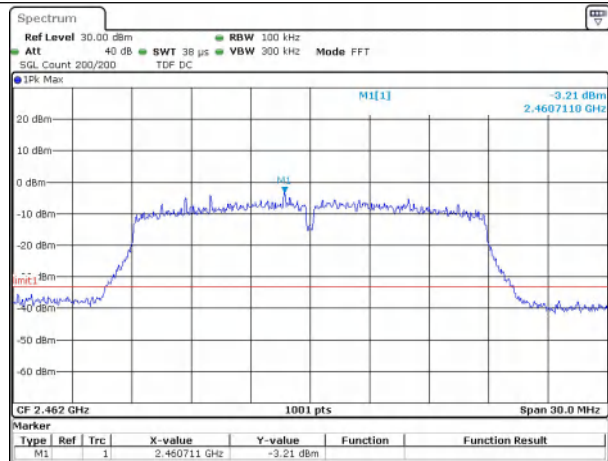
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



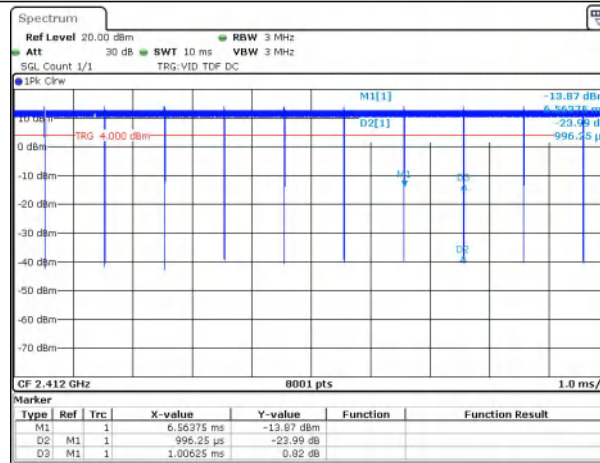
Appendix G: Duty Cycle

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	1.00	1.01	0.00	99.01
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	1.00	1.01	0.00	98.88
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	1.00	1.01	0.00	98.88
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	0.69	0.70	0.00	98.75
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	0.69	0.70	0.00	98.75
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	0.69	0.70	0.00	98.75
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	0.66	0.67	0.00	98.87
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	0.66	0.67	0.00	98.69
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	0.66	0.67	0.00	98.69

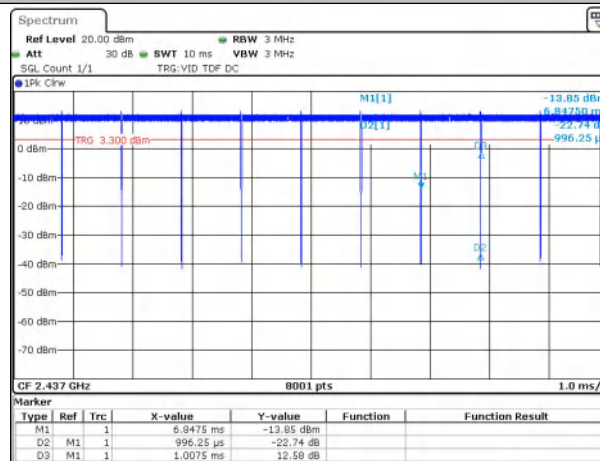
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



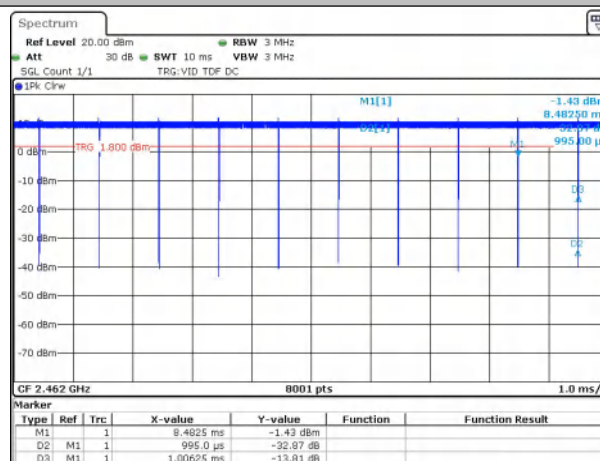
Date: 4 AUG 2026 20:46:50

NTNV_802.11b(20M)_2437_1Mbps_ANT1



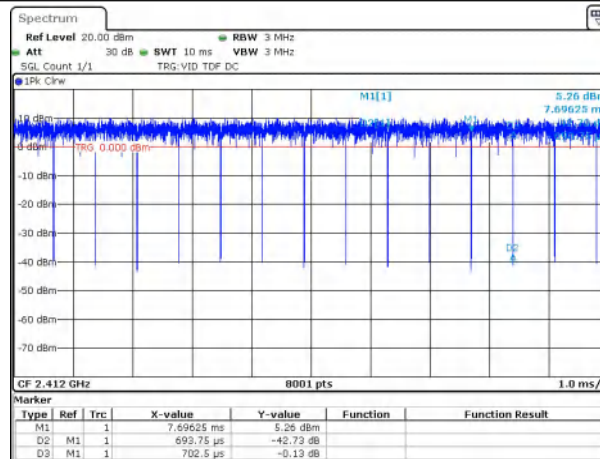
Date: 4 AUG 2026 20:47:14

NTNV_802.11b(20M)_2462_1Mbps_ANT1



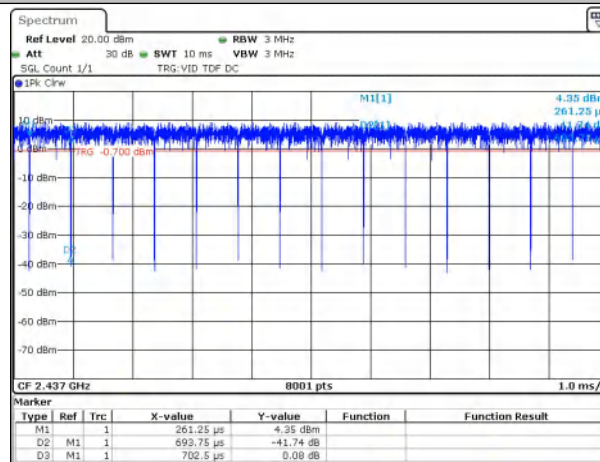
Date: 4 AUG 2026 20:47:31

NTNV_802.11g(20M)_2412_6Mbps_ANT1



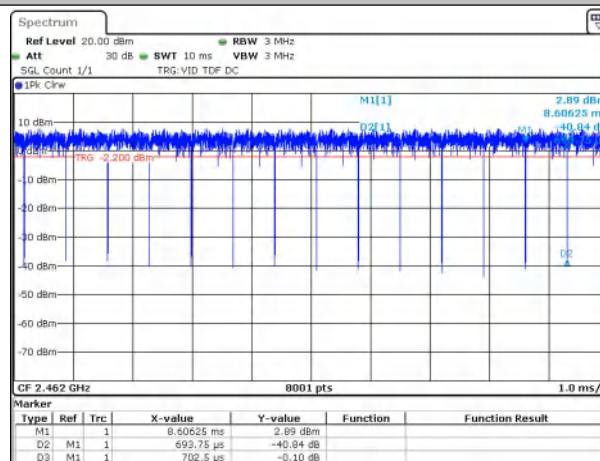
Date: 4 AUG 2026 20:47:58

NTNV_802.11g(20M)_2437_6Mbps_ANT1



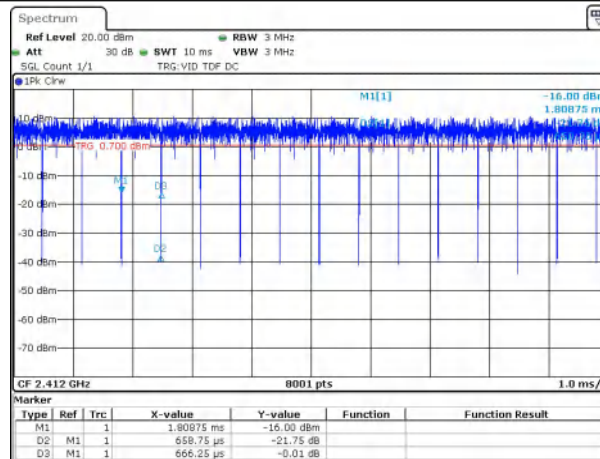
Date: 4 AUG 2026 20:48:15

NTNV_802.11g(20M)_2462_6Mbps_ANT1



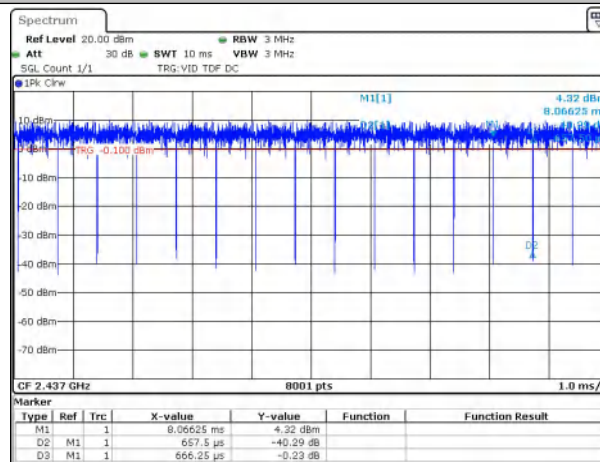
Date: 4 AUG 2026 20:48:49

NTNV_802.11n(20M)_2412_MCS0_ANT1



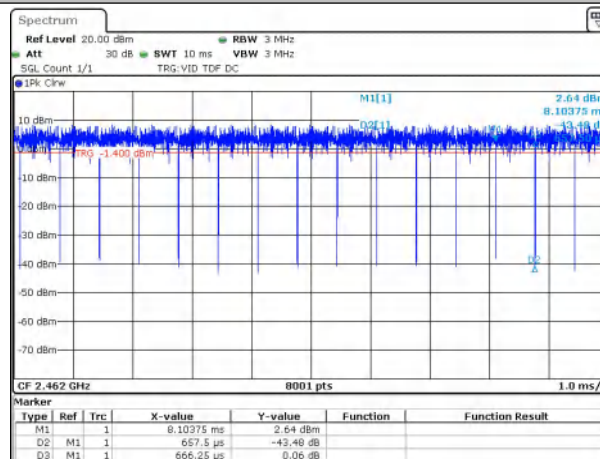
Date: 4 AUG 2026 20:49:14

NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 4 AUG 2026 20:49:48

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 4 AUG 2026 20:50:06