



CQASZ20260801723E -01

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
8	Duty Cycle	Pass

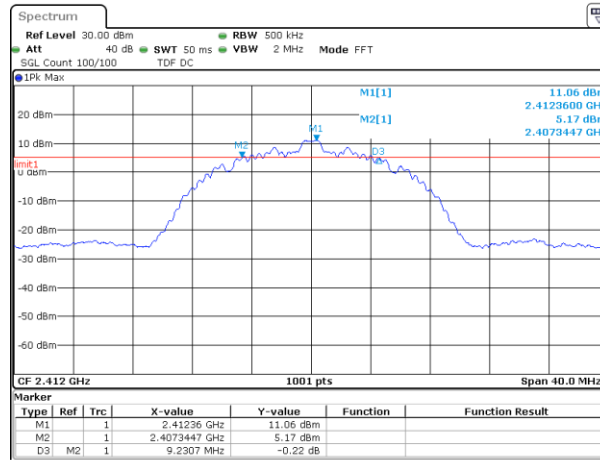
Appendix A: DTS Bandwidth

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	9.23	2407.00	2417.00	≥ 0.5	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	9.18	2432.00	2442.00	≥ 0.5	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	9.27	2457.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.80	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.36	2429.00	2445.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.79	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	16.14	2404.00	2420.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	16.05	2429.00	2445.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	16.15	2454.00	2470.00	≥ 0.5	Pass

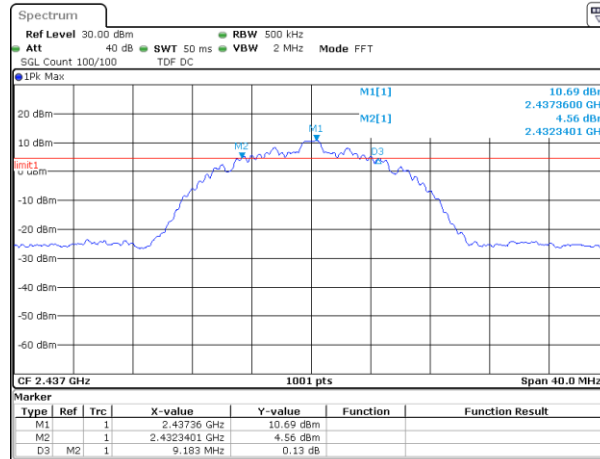
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



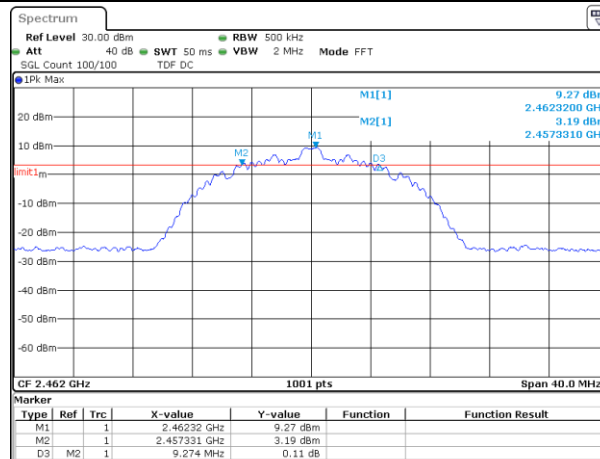
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



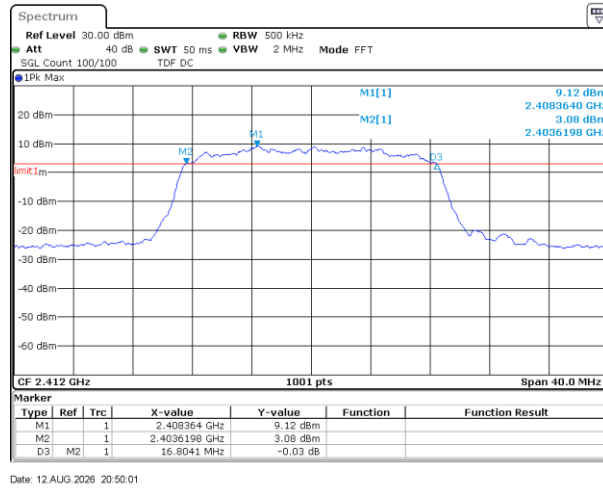
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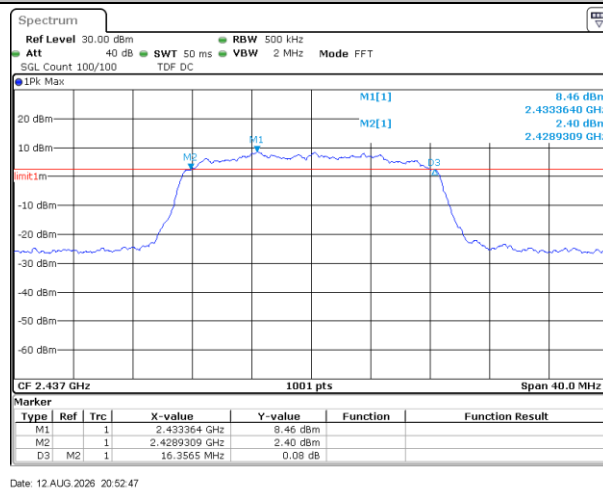


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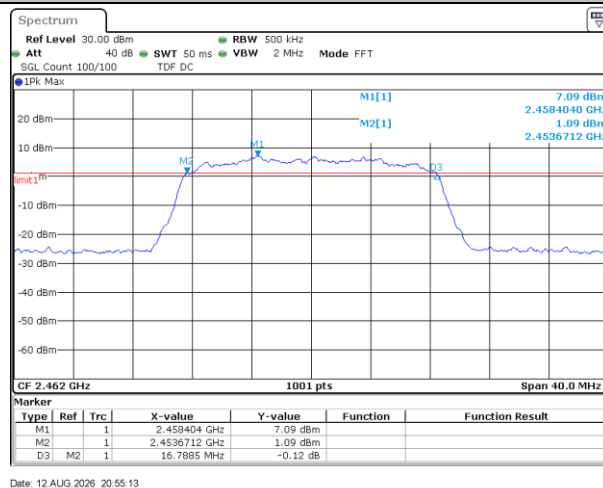
NTNV_802.11g(20M)_2412_6Mbps_ANT1



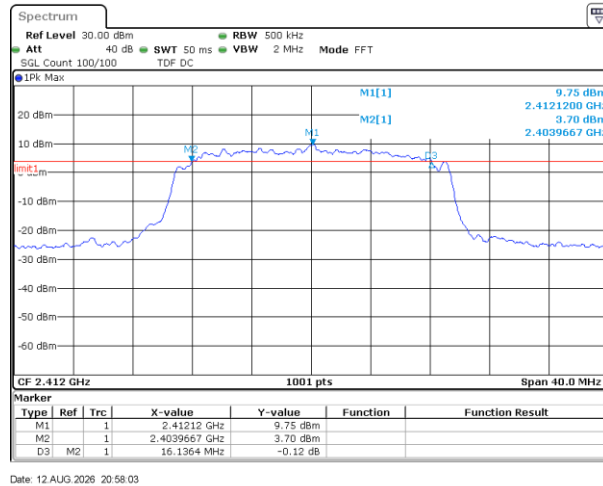
NTNV_802.11g(20M)_2437_6Mbps_ANT1



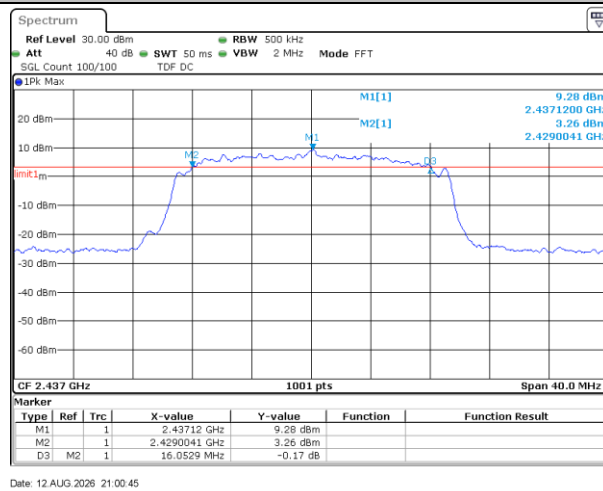
NTNV_802.11g(20M)_2462_6Mbps_ANT1



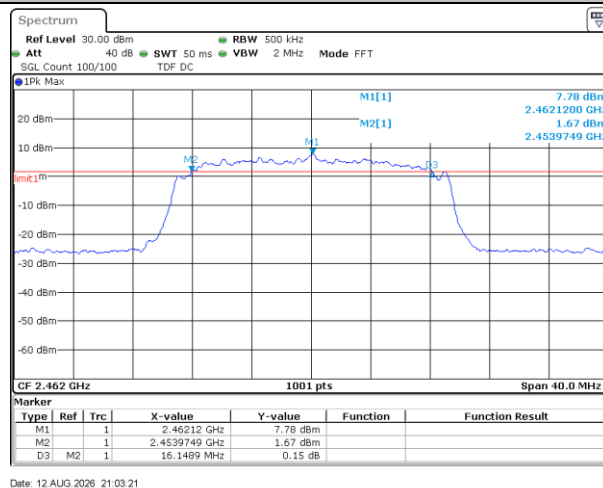
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



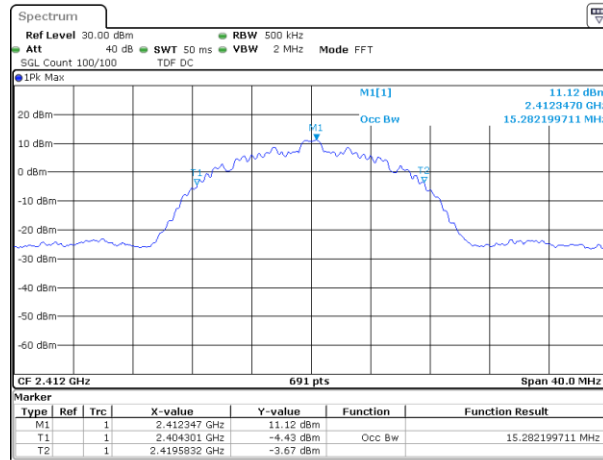
Appendix B: Occupied Channel Bandwidth

Test Result

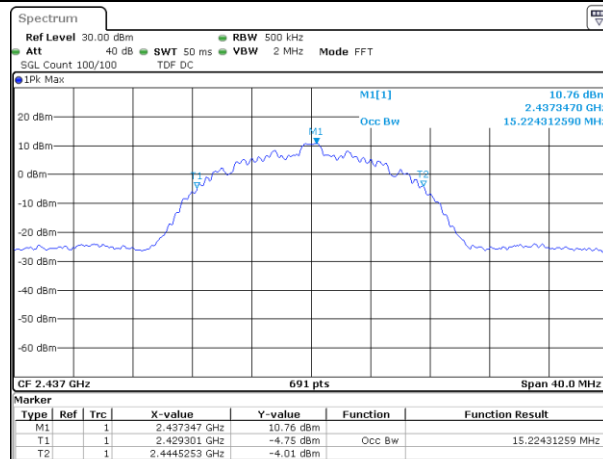
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	802.11b(20 M)	2412	1Mbps	ANT1	15.28	≥ 0.5	2404.00	2420.00	Pass
2	NTNV	802.11b(20 M)	2437	1Mbps	ANT1	15.22	≥ 0.5	2429.00	2445.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	ANT1	15.34	≥ 0.5	2454.00	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	17.31	≥ 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	18.18	≥ 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

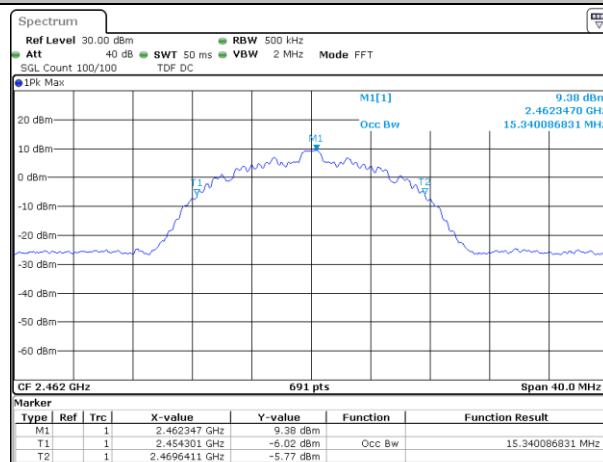
NTNV_802.11b(20M)_2412_1Mbps_ANT1



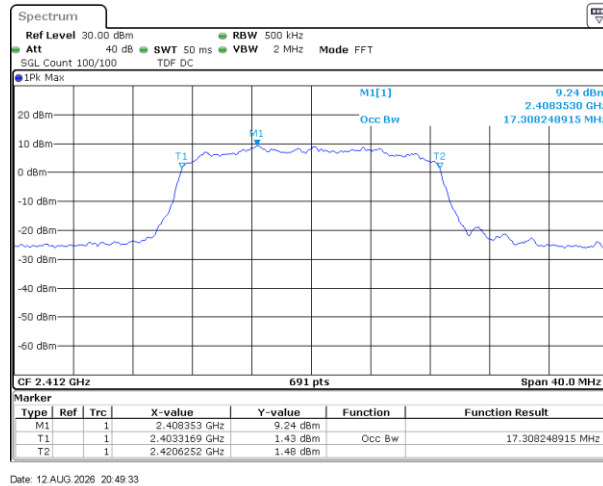
NTNV_802.11b(20M)_2437_1Mbps_ANT1



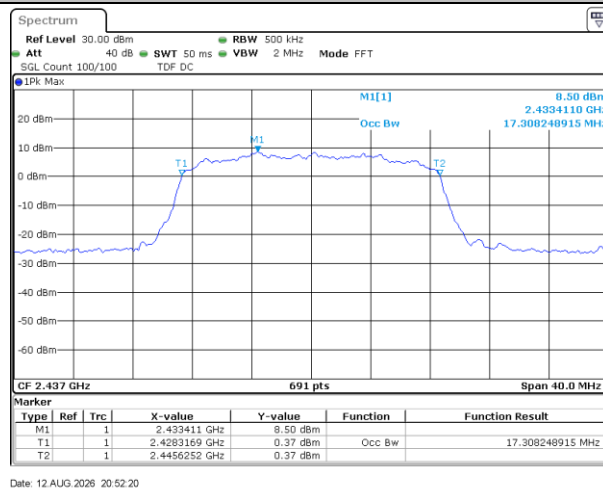
NTNV_802.11b(20M)_2462_1Mbps_ANT1



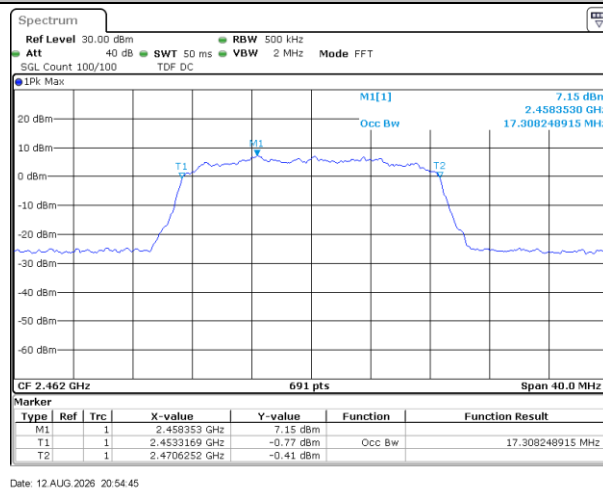
NTNV_802.11g(20M)_2412_6Mbps_ANT1



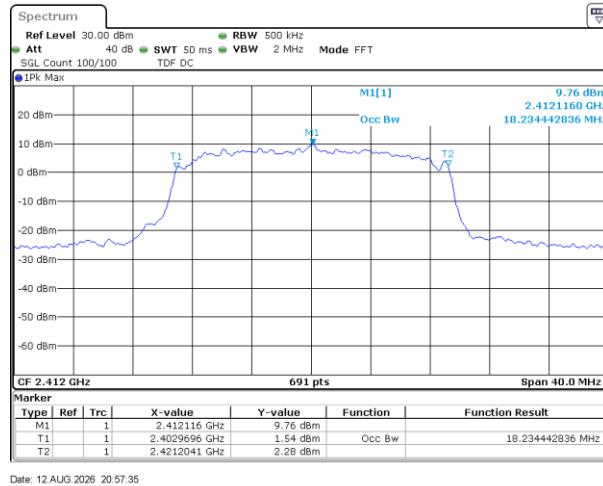
NTNV_802.11g(20M)_2437_6Mbps_ANT1



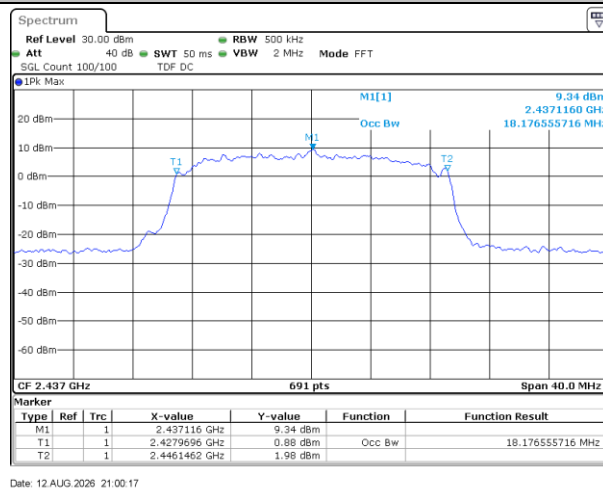
NTNV_802.11g(20M)_2462_6Mbps_ANT1



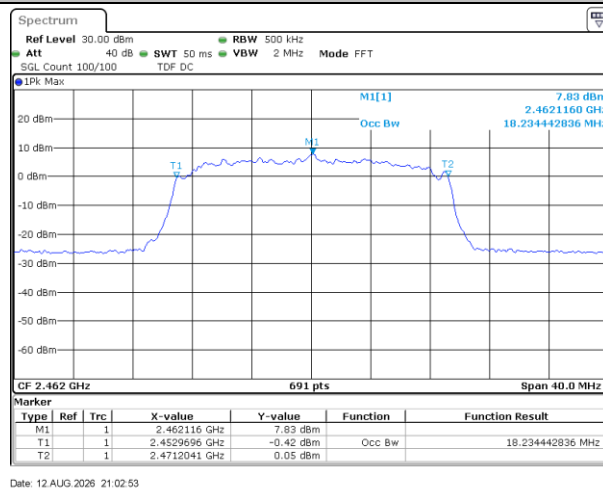
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



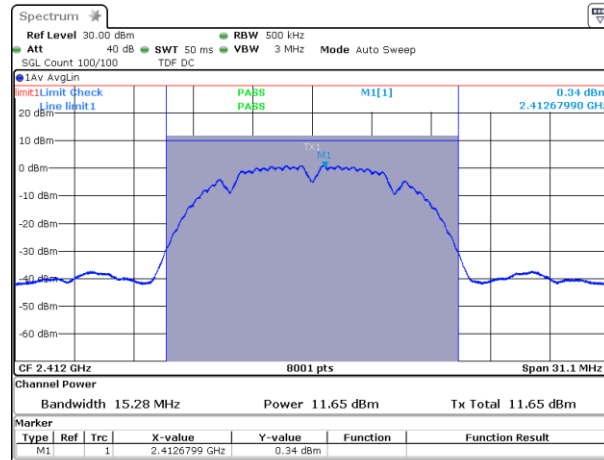
Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Average Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	802.11b(20M)	2412	AVER	ANT1	11.65	≤30	Pass
2	NTNV	802.11b(20M)	2437	AVER	ANT1	11.19	≤30	Pass
3	NTNV	802.11b(20M)	2462	AVER	ANT1	9.91	≤30	Pass
4	NTNV	802.11g(20M)	2412	AVER	ANT1	9.81	≤30	Pass
5	NTNV	802.11g(20M)	2437	AVER	ANT1	9.22	≤30	Pass
6	NTNV	802.11g(20M)	2462	AVER	ANT1	7.90	≤30	Pass
7	NTNV	802.11n(20M)	2412	AVER	ANT1	9.89	≤30	Pass
8	NTNV	802.11n(20M)	2437	AVER	ANT1	9.29	≤30	Pass
9	NTNV	802.11n(20M)	2462	AVER	ANT1	7.88	≤30	Pass

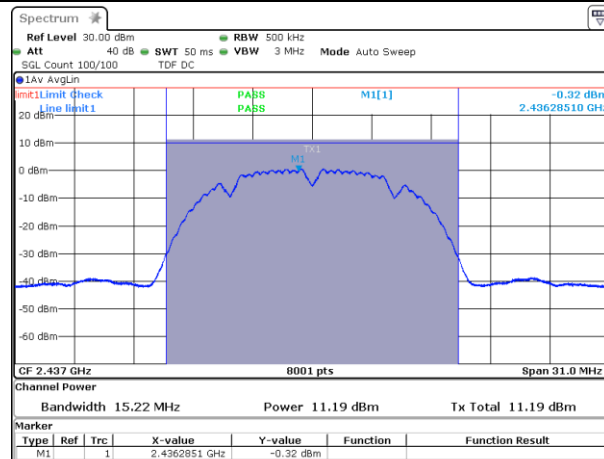
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



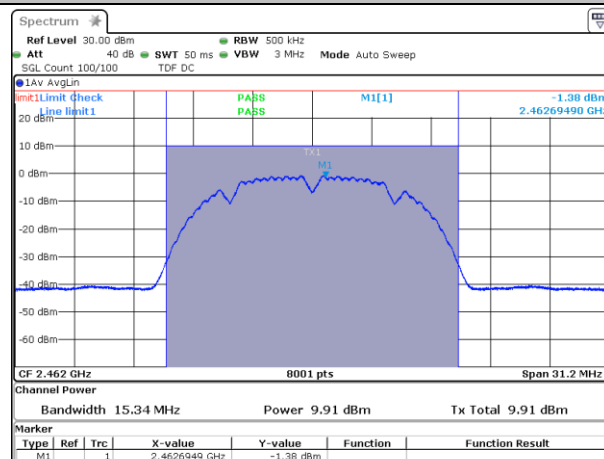
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



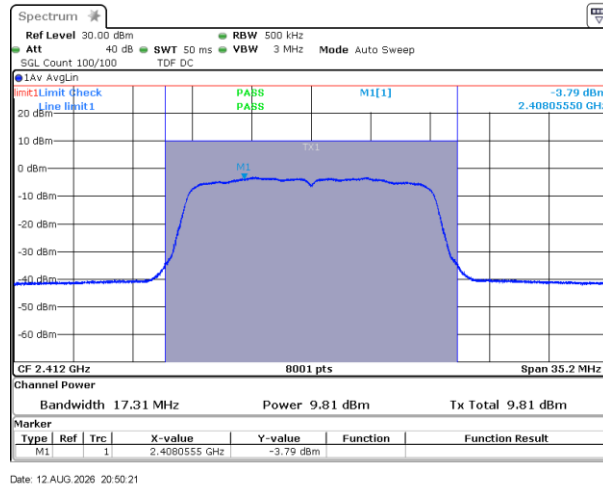
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

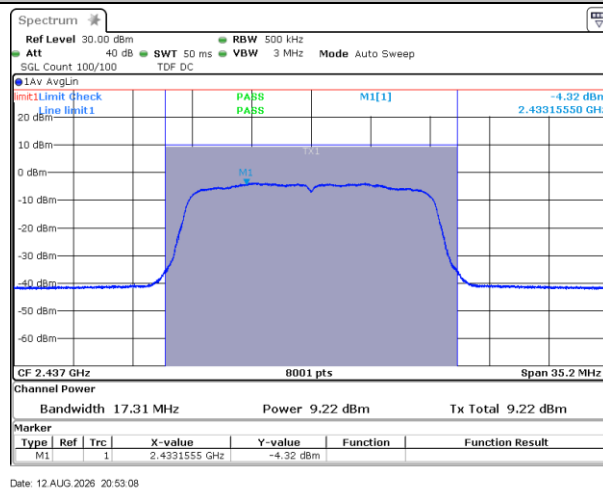


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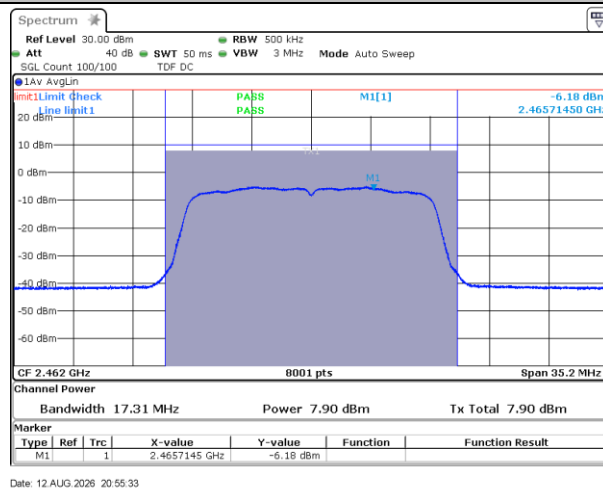
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



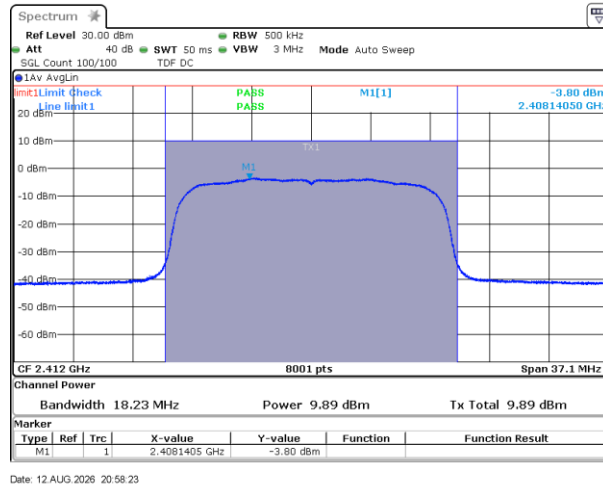
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



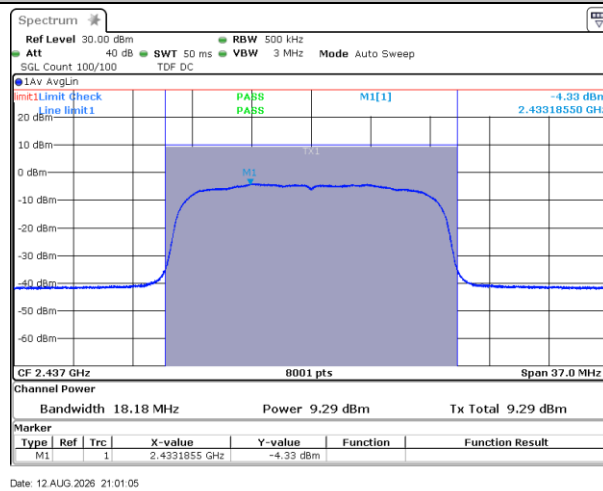
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



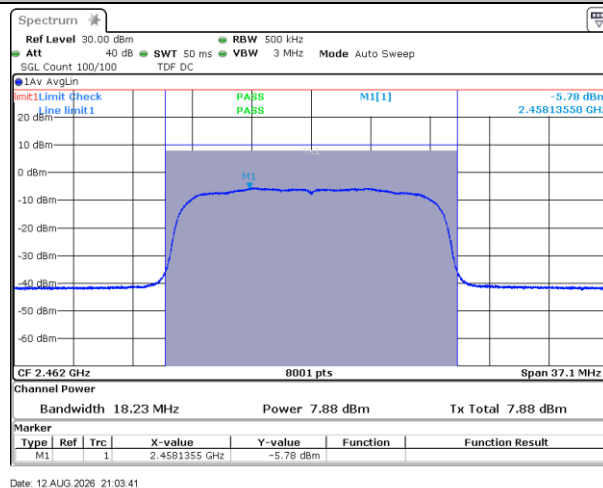
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



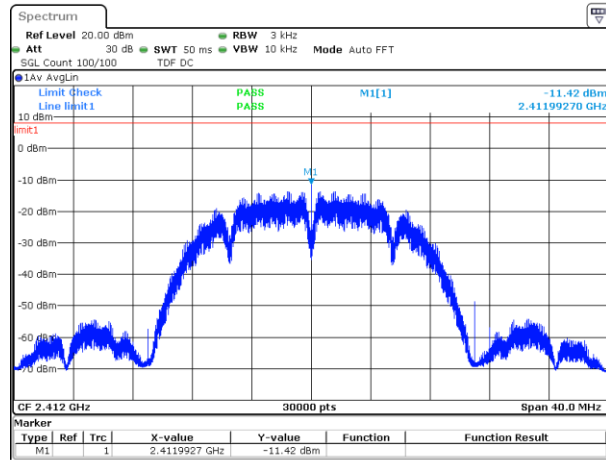
Appendix D: Maximum power spectral density

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	-11.42	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-11.40	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-13.21	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-14.73	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-15.14	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-16.43	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-15.16	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-15.73	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-17.11	≤ 8	Pass

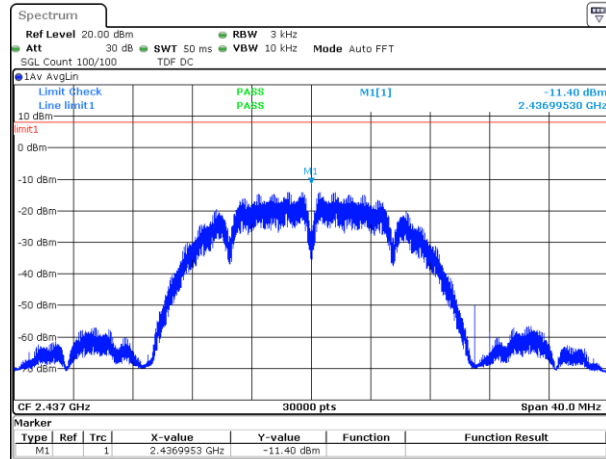
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



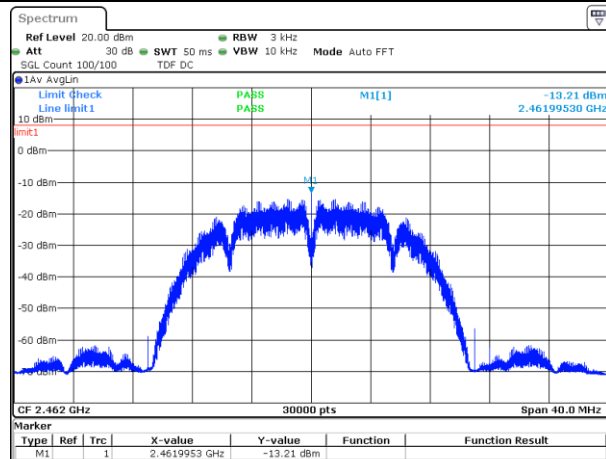
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



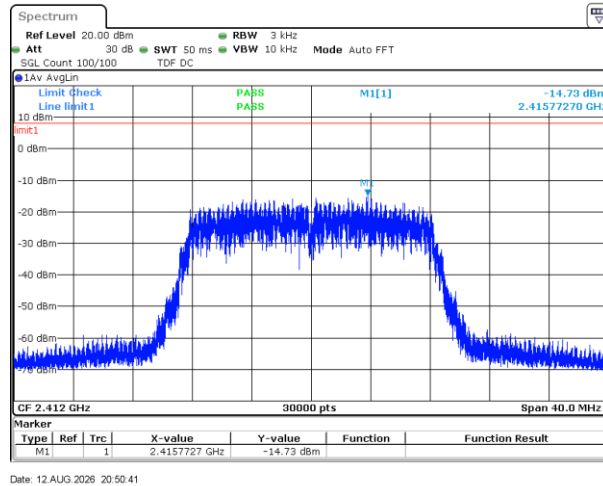
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

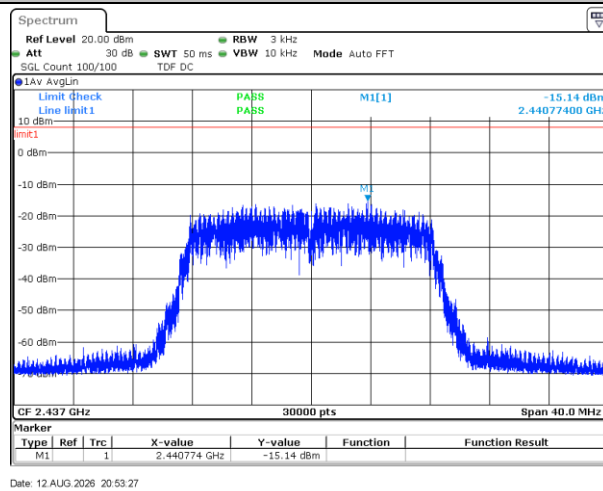


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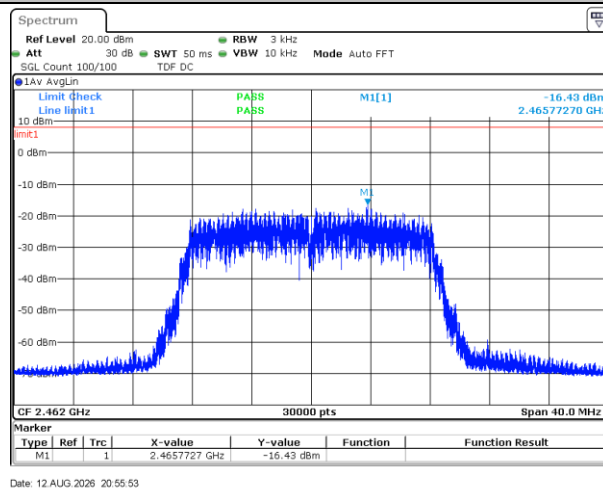
NTNV_802.11g(20M)_2412_6Mbps_ANT1



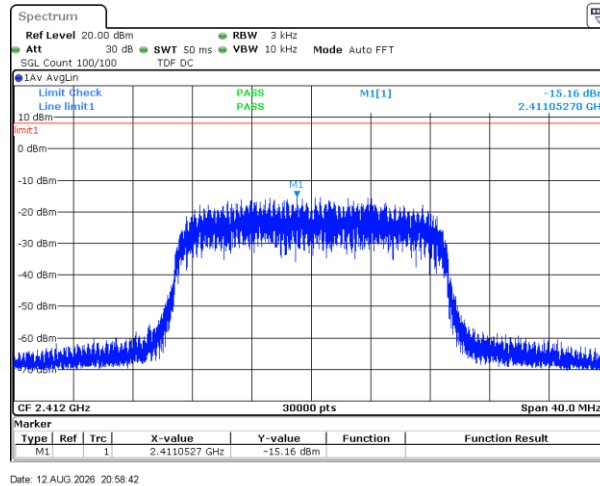
NTNV_802.11g(20M)_2437_6Mbps_ANT1



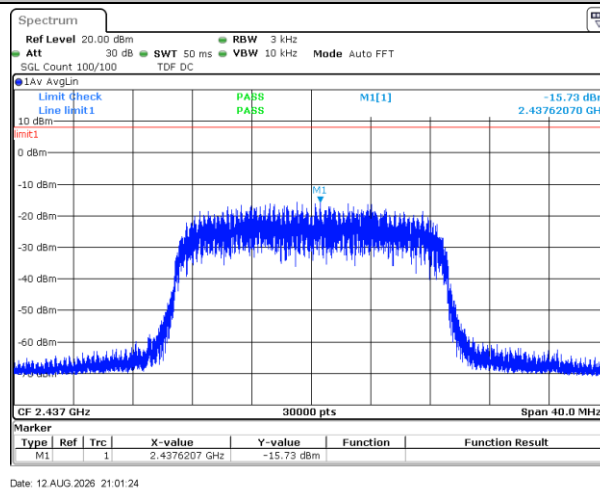
NTNV_802.11g(20M)_2462_6Mbps_ANT1



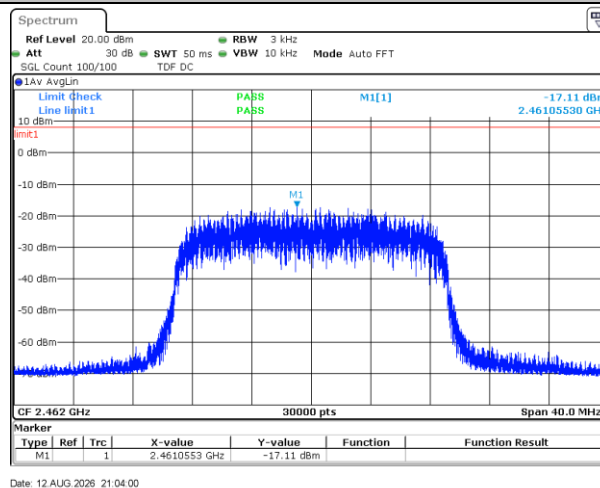
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



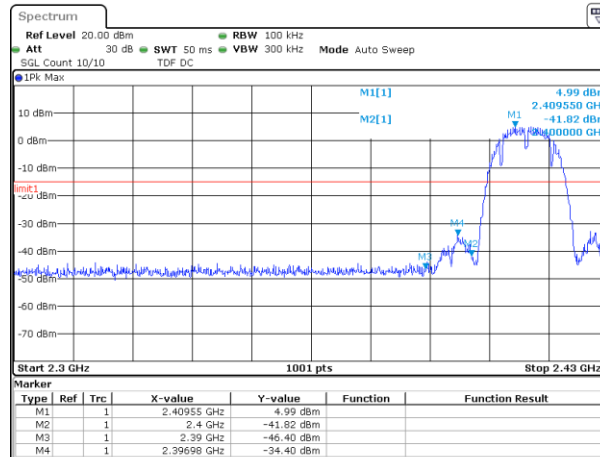
Appendix E: Band edge measurements

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	4.99	-34.40	≤ -25.01	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	3.53	-43.81	≤ -26.47	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	2.69	-37.45	≤ -27.31	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	1.52	-43.69	≤ -28.48	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	3.32	-37.14	≤ -26.68	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	0.95	-43.41	≤ -29.05	Pass

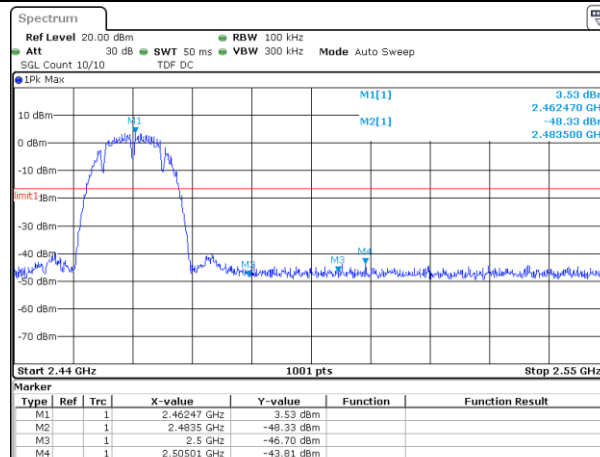
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



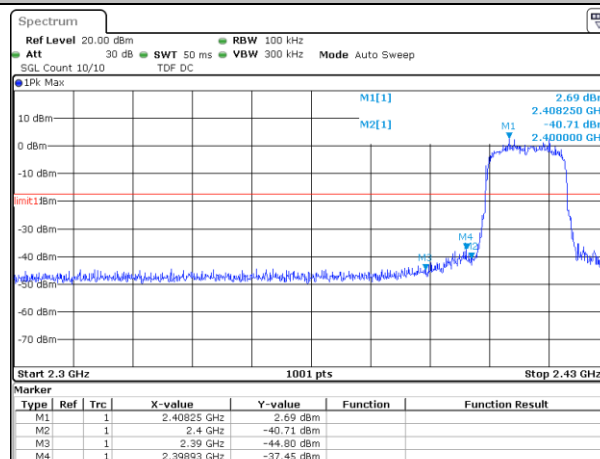
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



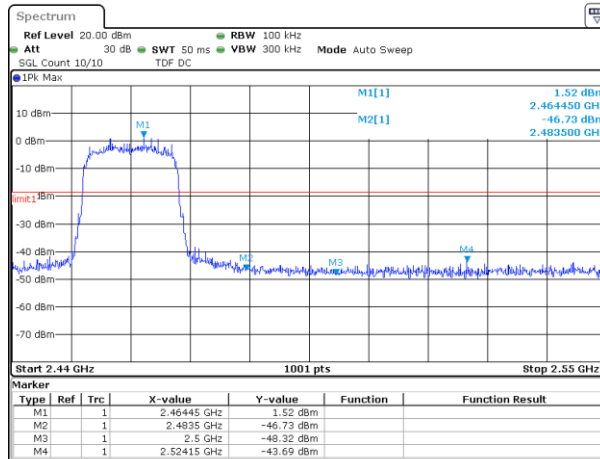
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



Date: 12 AUG 2026 20:50:45

NTNV_802.11g(20M)_2462_6Mbps_ANT1



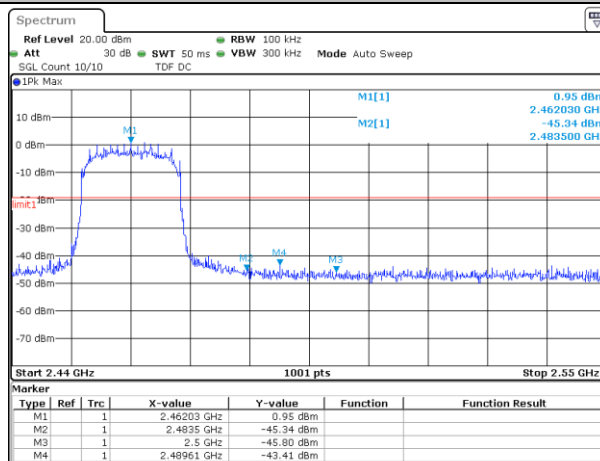
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NTNV_802.11n(20M)_2412_MCS0_ANT1



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NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 12.AUG.2026 21:04:04

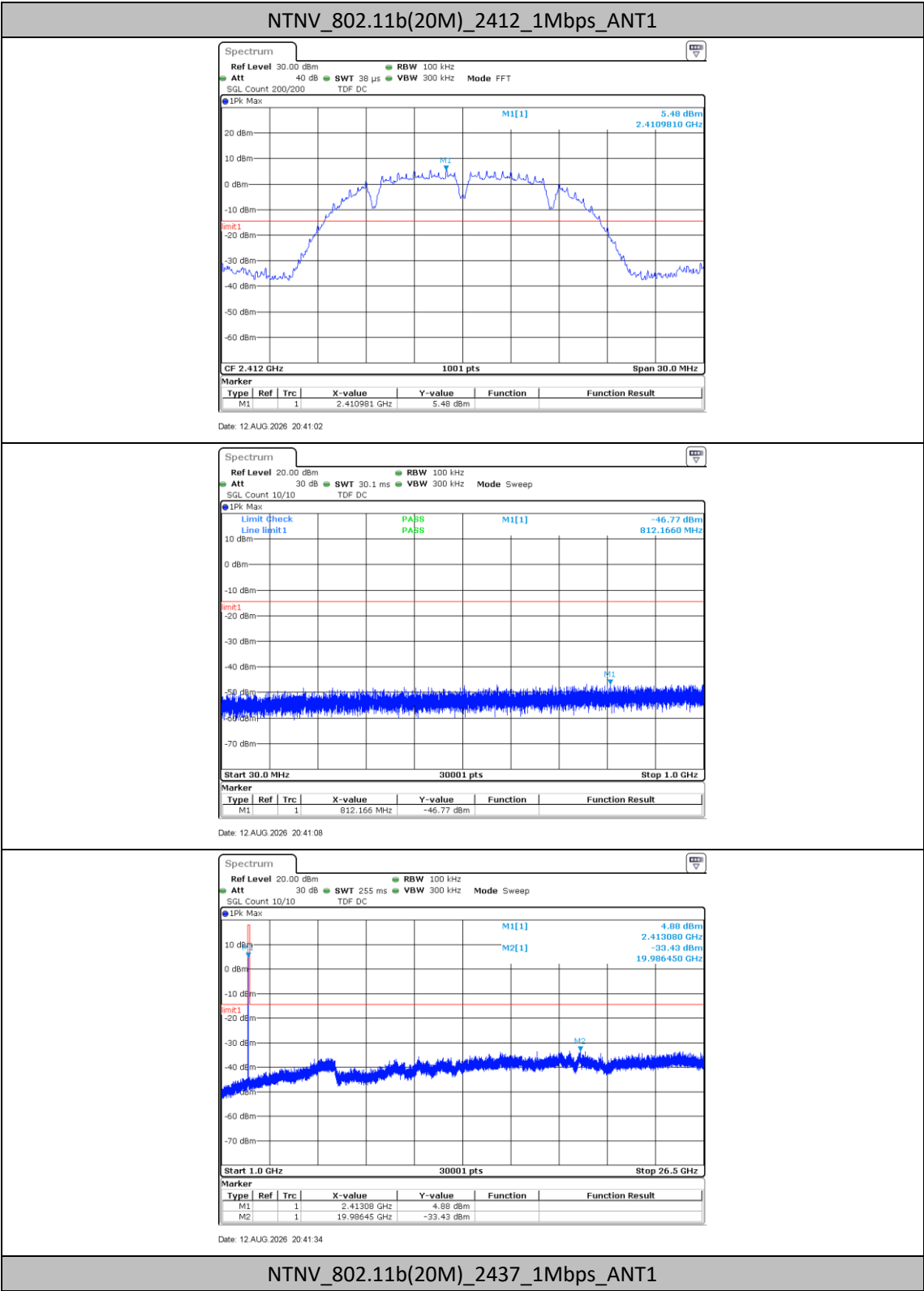
Appendix F: Conducted Spurious Emission

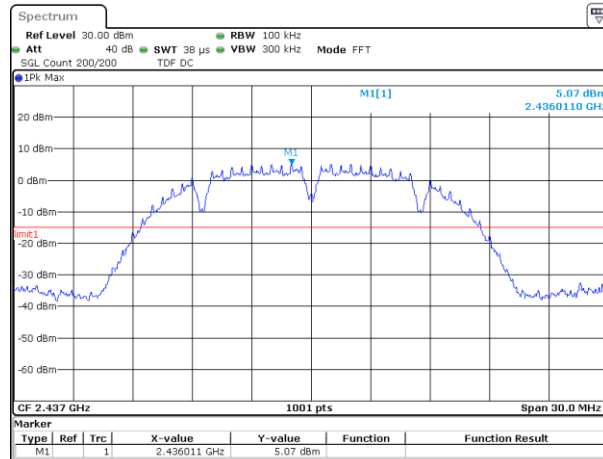
Test Result

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	5.48	/	PASS
						30~1000	0.1	-46.77	≤-24.52	Pass
						1000~26500	0.1	-33.43	≤-24.52	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	5.07	/	PASS
						30~1000	0.1	-46.59	≤-24.93	Pass
						1000~26500	0.1	-32.50	≤-24.93	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	3.63	/	PASS
						30~1000	0.1	-45.83	≤-26.37	Pass
						1000~26500	0.1	-32.36	≤-26.37	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	3.64	/	PASS
						30~1000	0.1	-46.03	≤-26.36	Pass
						1000~26500	0.1	-33.34	≤-26.36	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	3.02	/	PASS
						30~1000	0.1	-45.83	≤-26.98	Pass
						1000~26500	0.1	-33.41	≤-26.98	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	1.55	/	PASS
						30~1000	0.1	-45.61	≤-28.45	Pass
						1000~26500	0.1	-33.17	≤-28.45	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	3.77	/	PASS
						30~1000	0.1	-46.53	≤-26.23	Pass
						1000~26500	0.1	-31.90	≤-26.23	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	2.91	/	PASS
						30~1000	0.1	-45.78	≤-27.09	Pass
						1000~26500	0.1	-32.83	≤-27.09	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	0.48	/	PASS

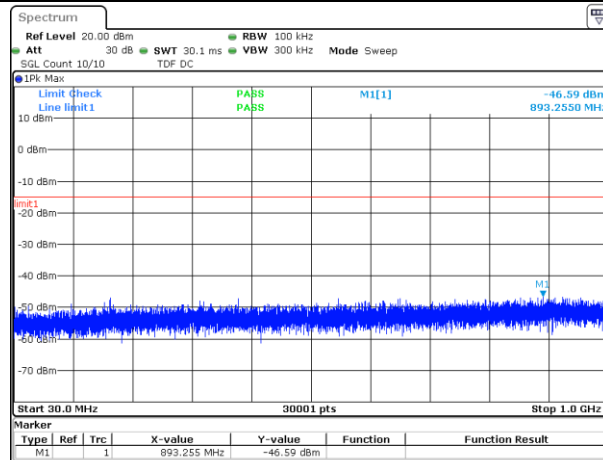
						30~1000	0.1	-45.35	≤ -29.52	Pass
						1000~26500	0.1	-33.24	≤ -29.52	Pass

Test Graphs

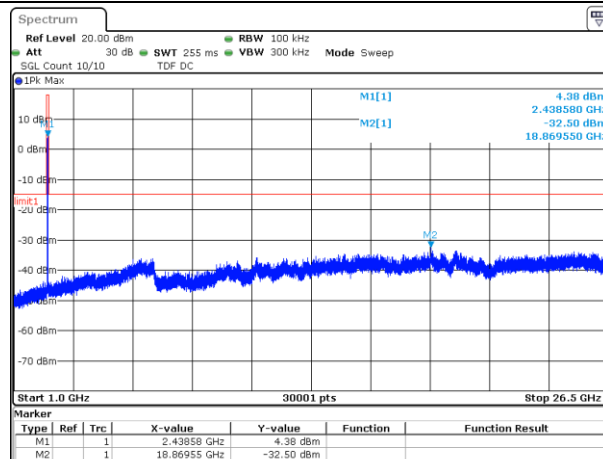




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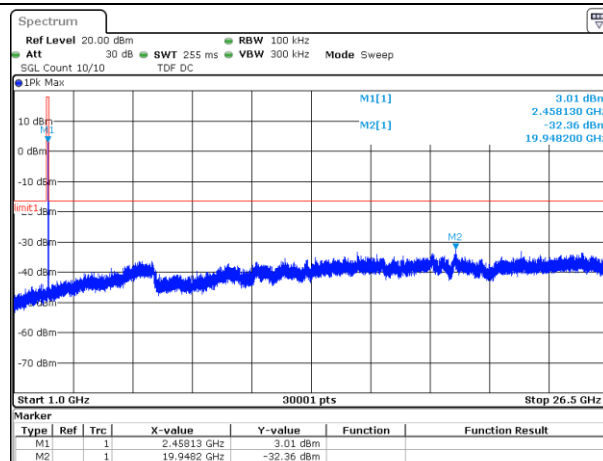
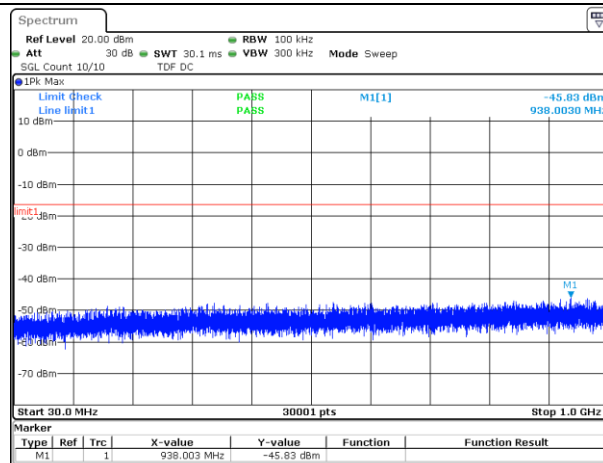
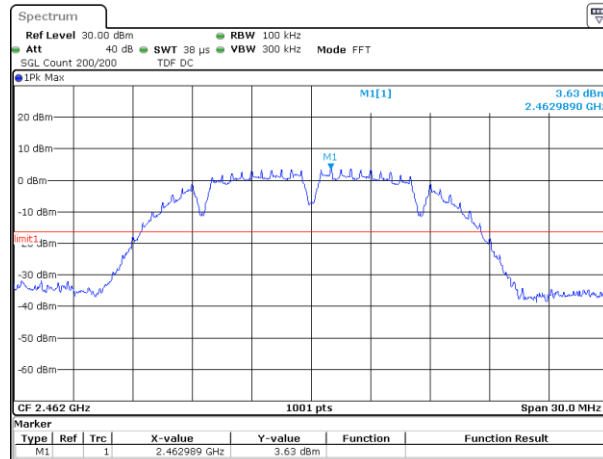


Date: 12 AUG 2026 20:44:06

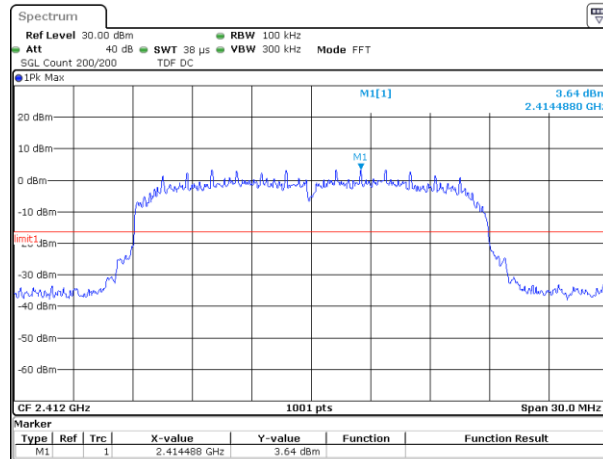


Date: 12 AUG 2026 20:44:20

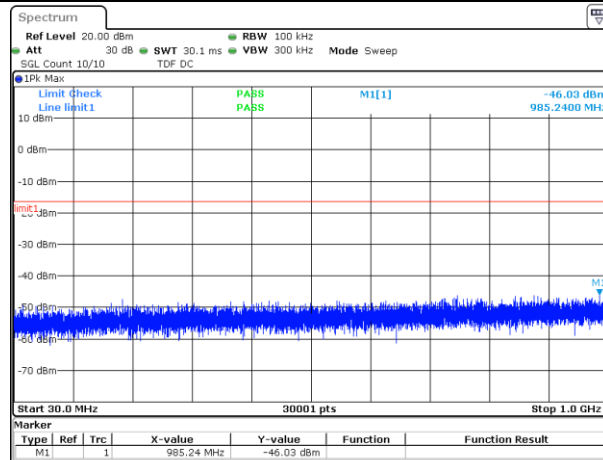
NTNV_802.11b(20M)_2462_1Mbps_ANT1



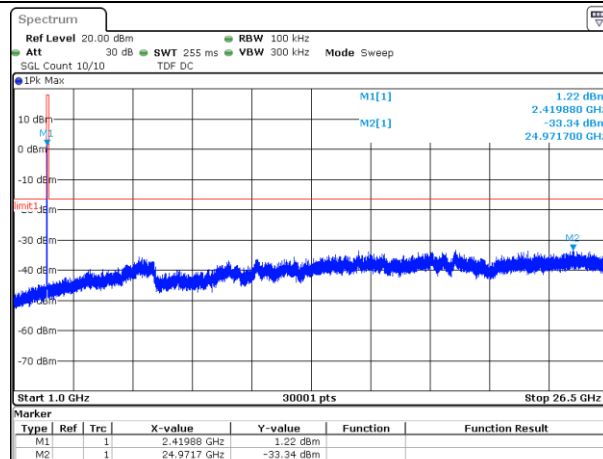
NTNV_802.11g(20M)_2412_6Mbps_ANT1



Date: 12 AUG 2026 20:50:50

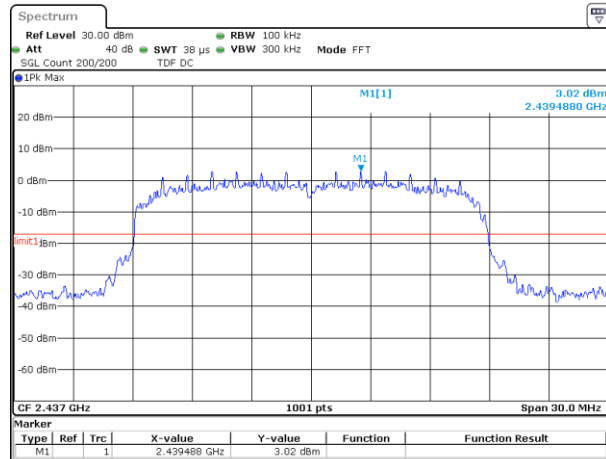


Date: 12 AUG 2026 20:50:57

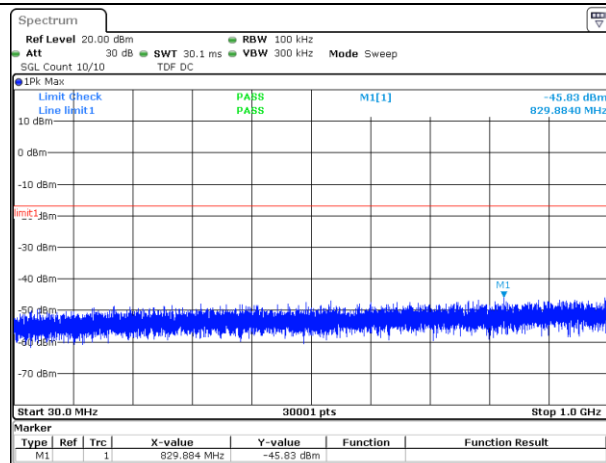


Date: 12 AUG 2026 20:51:11

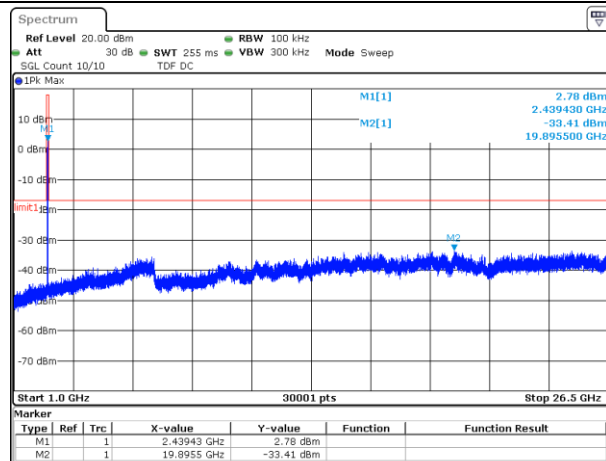
NTNV_802.11g(20M)_2437_6Mbps_ANT1



Date: 12 AUG 2026 20:53:32

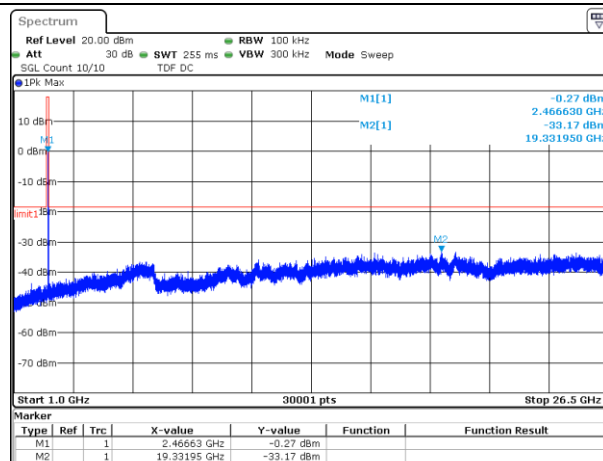
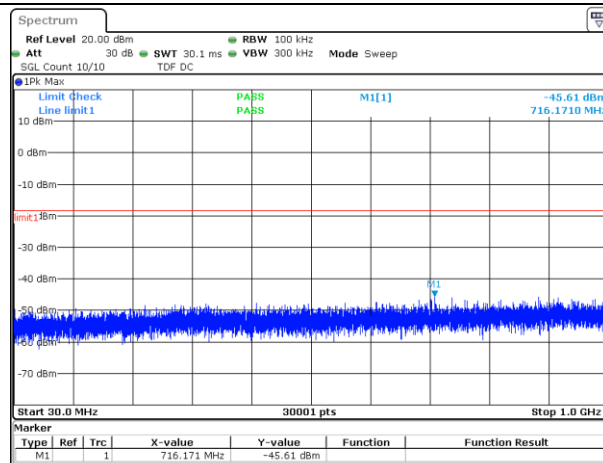
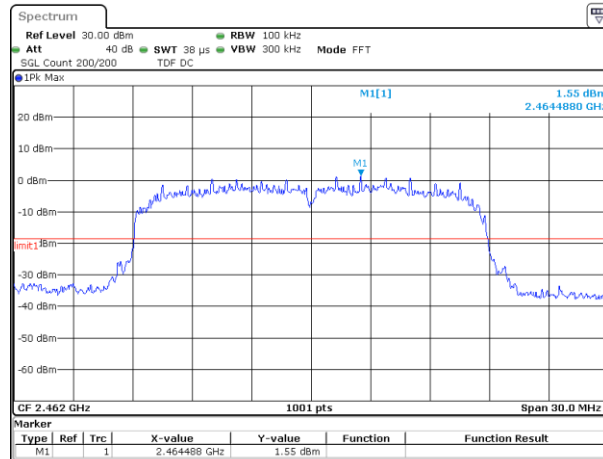


Date: 12 AUG 2026 20:53:39

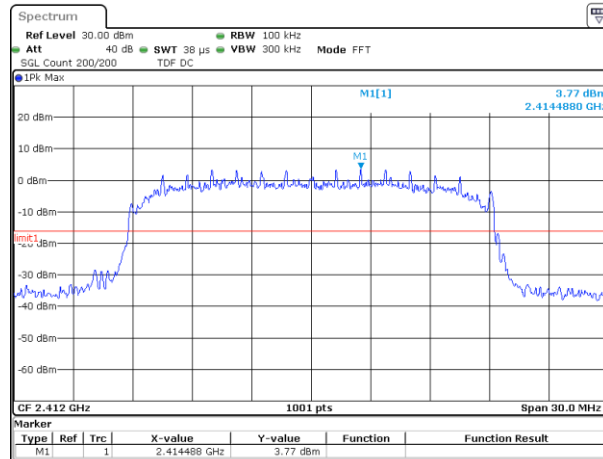


Date: 12 AUG 2026 20:53:53

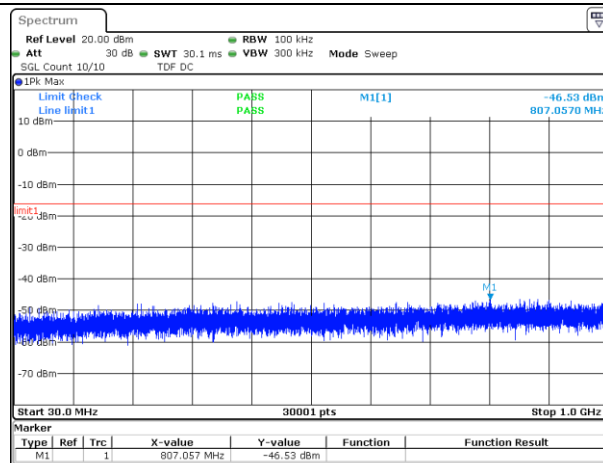
NTNV_802.11g(20M)_2462_6Mbps_ANT1



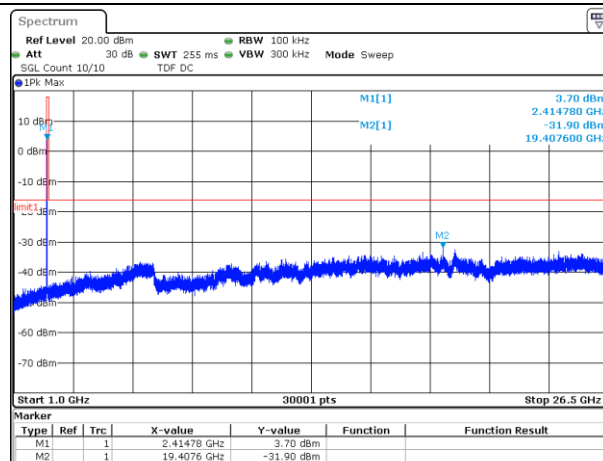
NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 12 AUG 2026 20:58:52

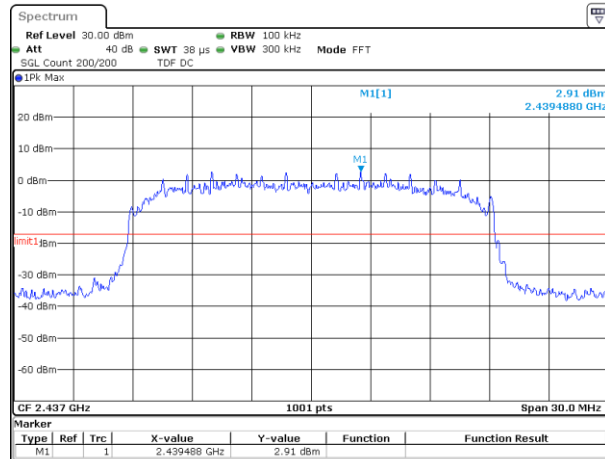


Date: 12 AUG 2026 20:58:58

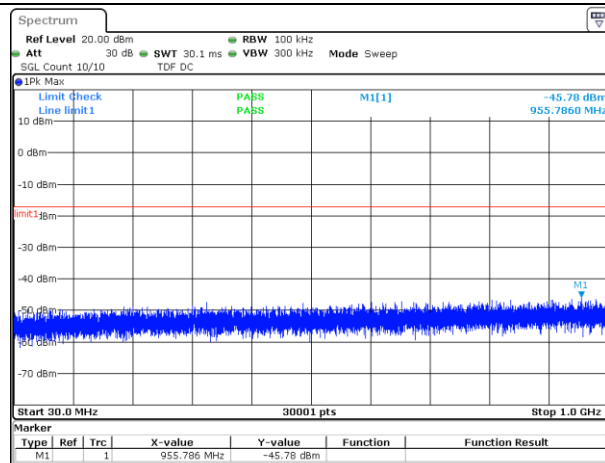


Date: 12 AUG 2026 20:59:12

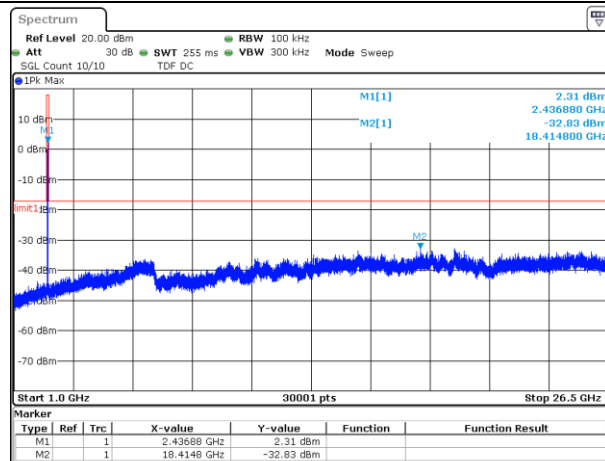
NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 12 AUG 2026 21:01:30

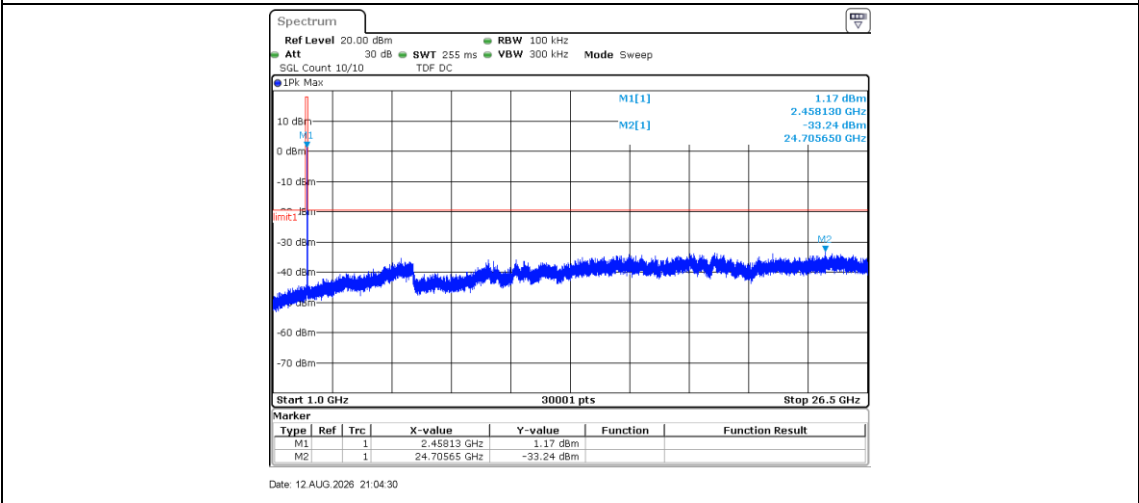
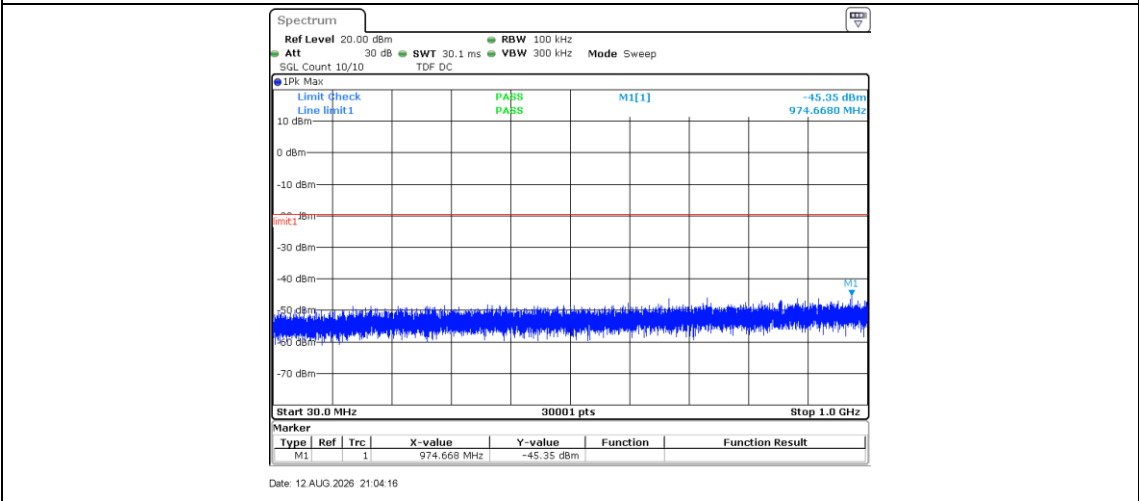
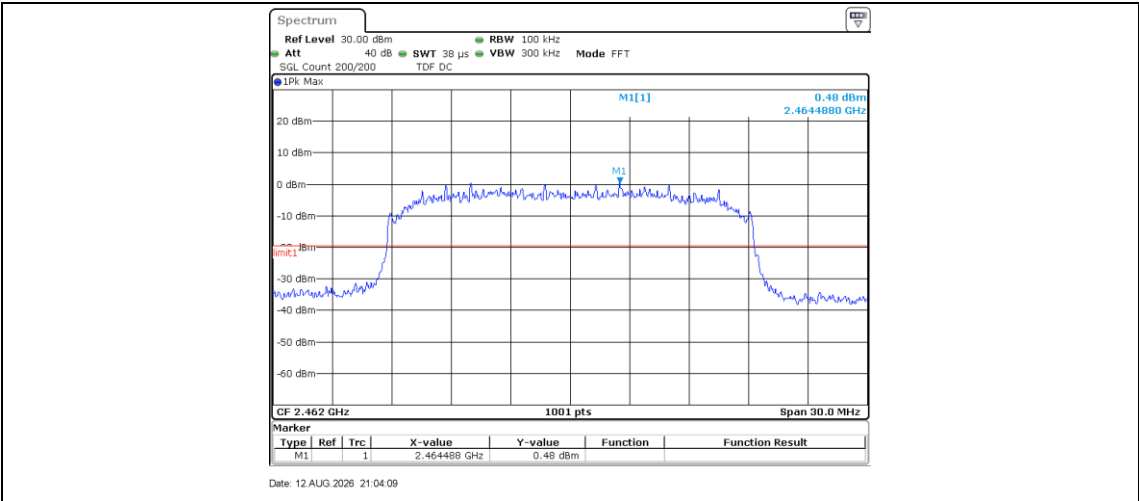


Date: 12 AUG 2026 21:01:36



Date: 12 AUG 2026 21:01:50

NTNV_802.11n(20M)_2462_MCS0_ANT1



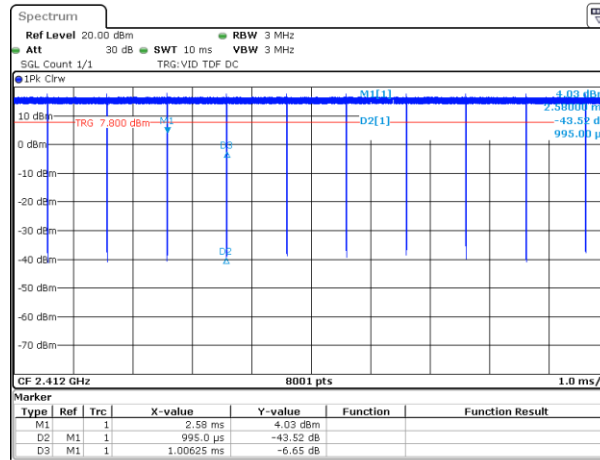
Appendix G: Duty Cycle

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	0.99	98.88
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	1.00	1.01	0.99	98.88
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	1.00	1.01	0.99	98.88
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	0.69	0.70	0.99	98.75
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	0.69	0.70	0.99	98.75
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	0.69	0.70	0.99	98.75
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	0.66	0.67	0.99	98.69
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	0.66	0.67	0.99	98.69
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	0.66	0.67	0.99	98.69

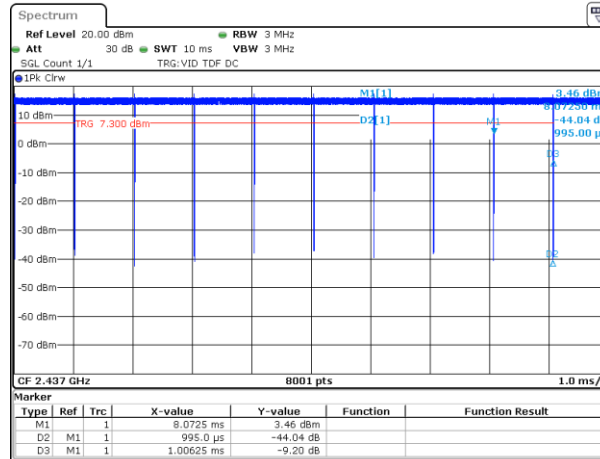
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



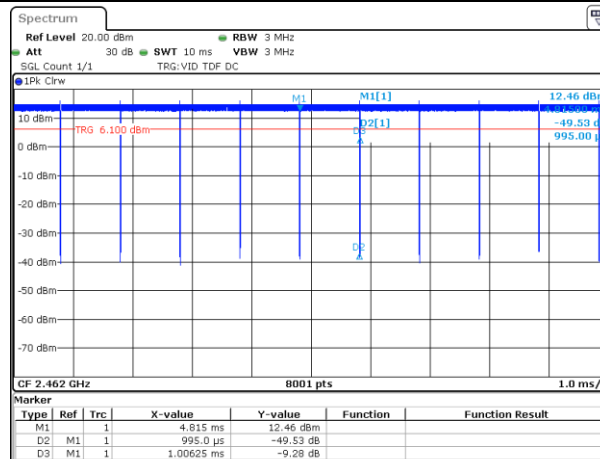
Date: 12 AUG 2026 21:08:41

NTNV_802.11b(20M)_2437_1Mbps_ANT1



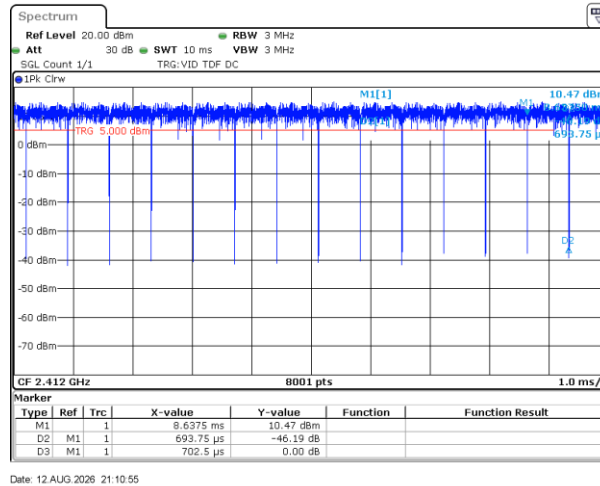
Date: 12 AUG 2026 21:10:11

NTNV_802.11b(20M)_2462_1Mbps_ANT1

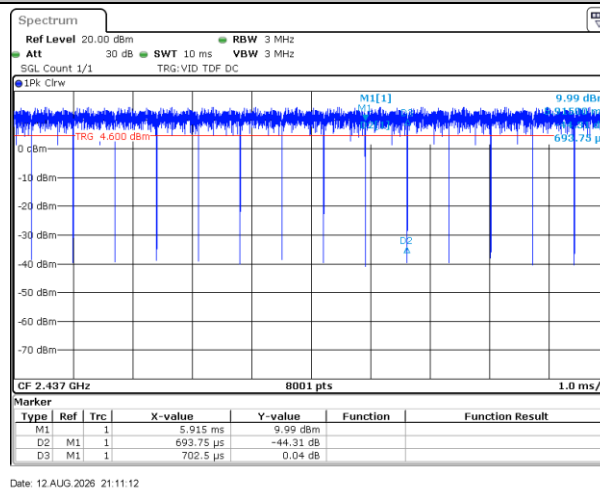


Date: 12 AUG 2026 21:10:28

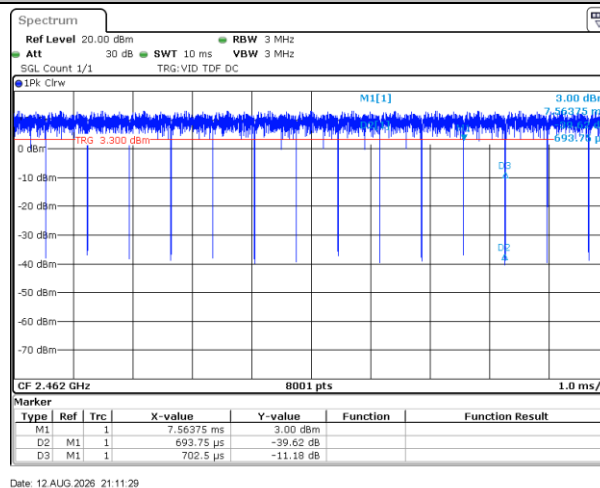
NTNV_802.11g(20M)_2412_6Mbps_ANT1



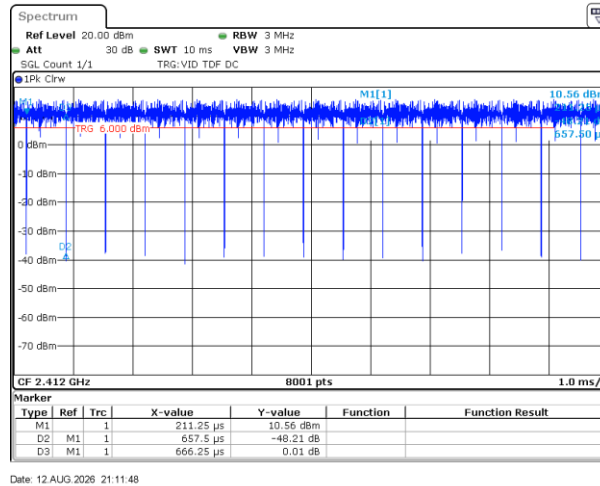
NTNV_802.11g(20M)_2437_6Mbps_ANT1



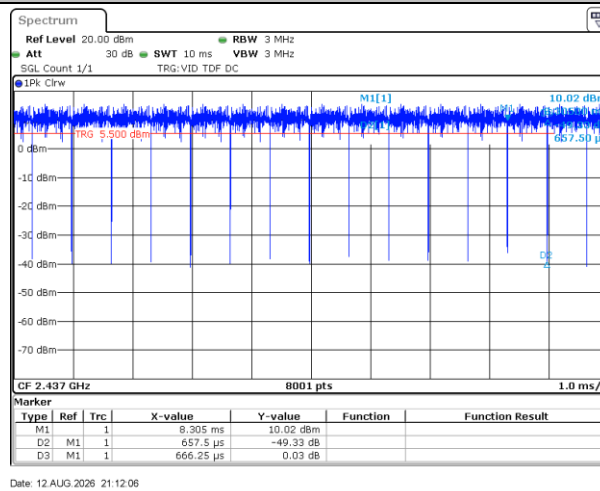
NTNV_802.11g(20M)_2462_6Mbps_ANT1



NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

