



CQASZ20260701681E-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

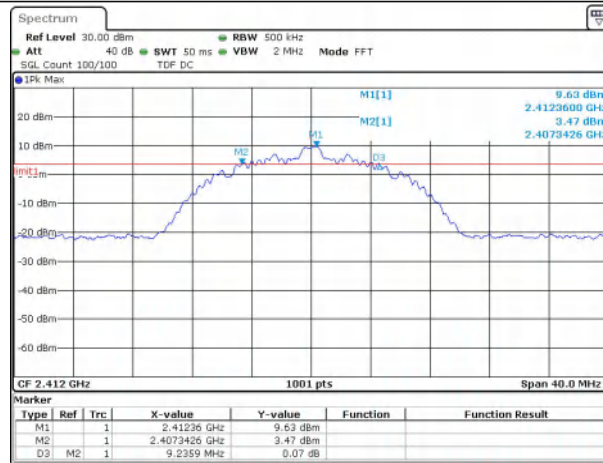
Appendix A: DTS Bandwidth

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	9.24	2407.00	2417.00	≥ 0.5	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	8.76	2432.00	2441.00	≥ 0.5	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	9.30	2457.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.86	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	16.93	2454.00	2471.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	16.18	2404.00	2420.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	16.09	2429.00	2445.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	17.06	2454.00	2471.00	≥ 0.5	Pass

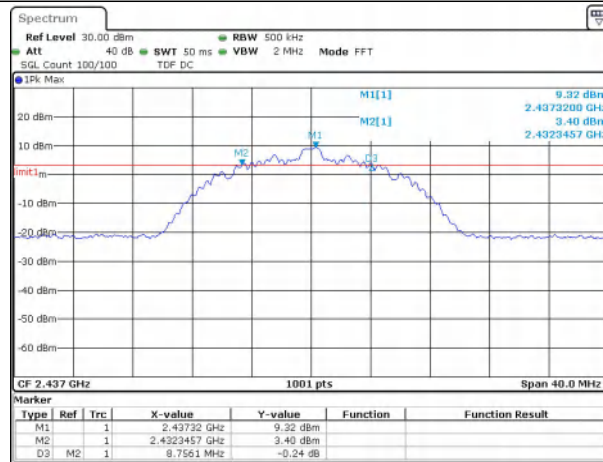
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



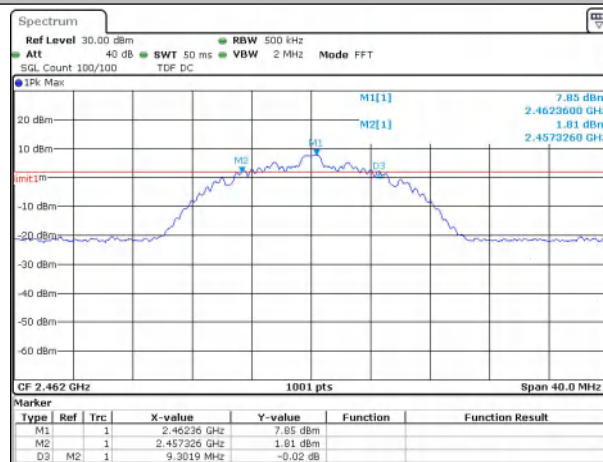
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



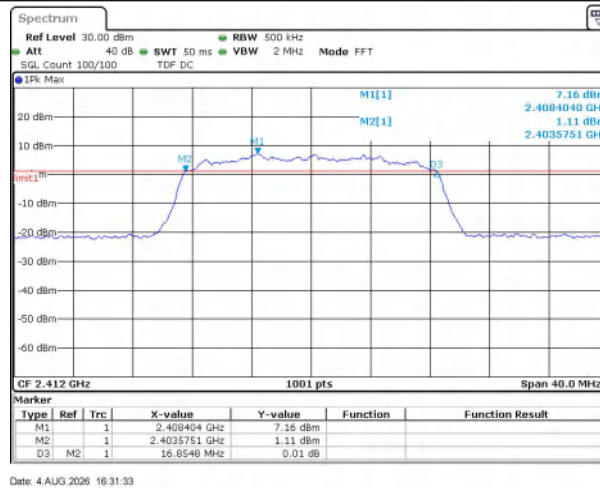
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

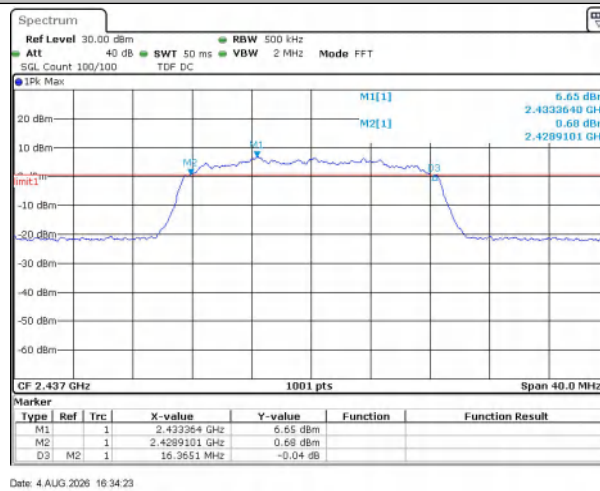


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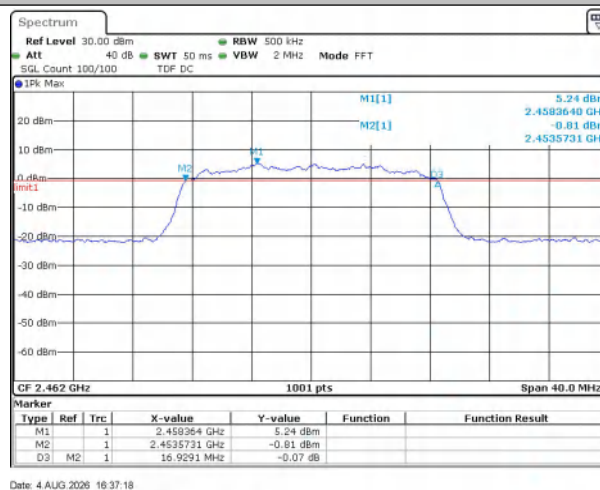
NTNV_802.11g(20M)_2412_6Mbps_ANT1



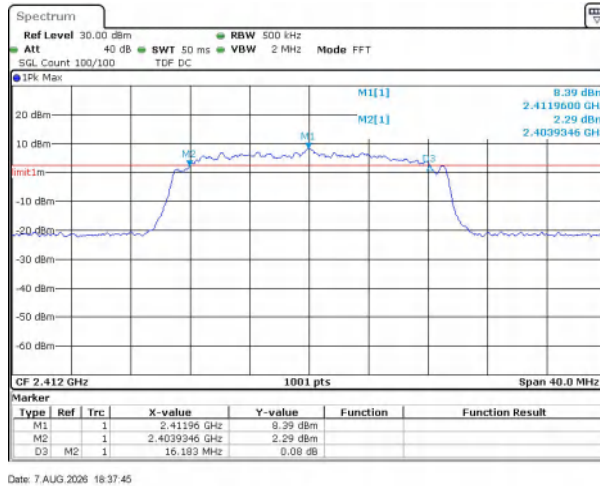
NTNV_802.11g(20M)_2437_6Mbps_ANT1



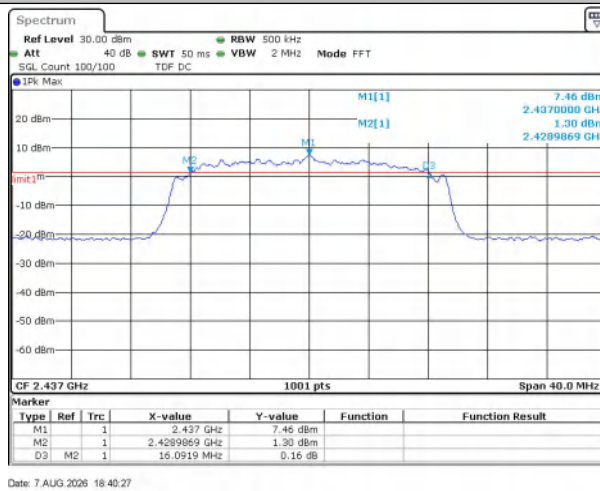
NTNV_802.11g(20M)_2462_6Mbps_ANT1



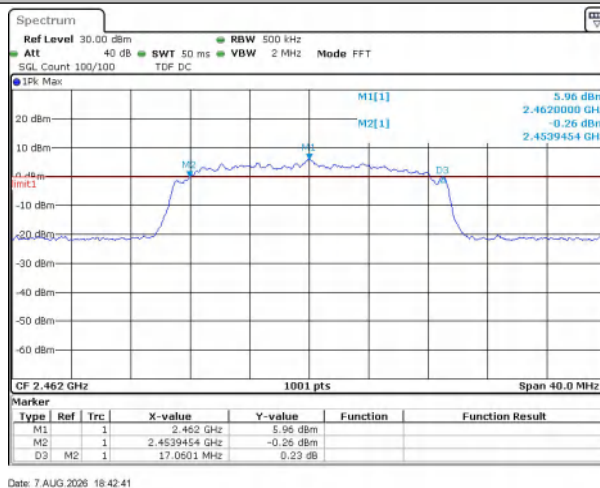
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



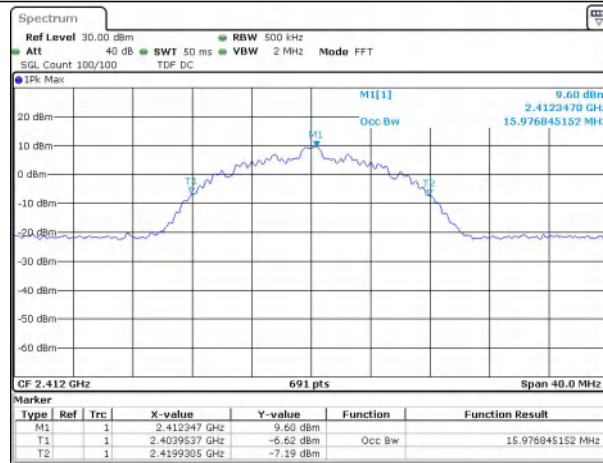
Appendix B: Occupied Channel Bandwidth

Test Result

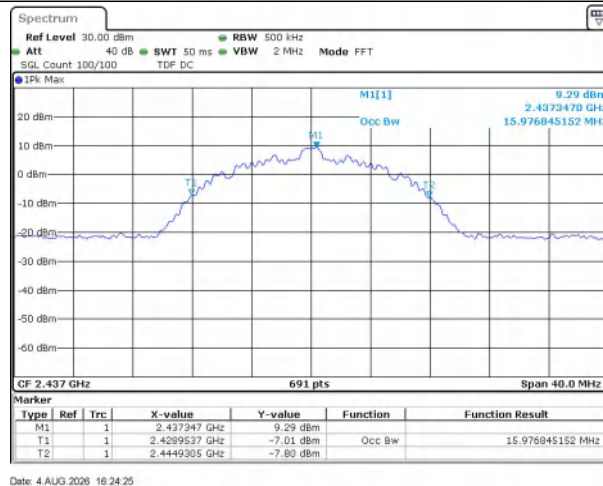
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	802.11b(20 M)	2412	1Mbps	ANT1	15.98	≥ 0.5	2404.00	2420.00	Pass
2	NTNV	802.11b(20 M)	2437	1Mbps	ANT1	15.98	≥ 0.5	2429.00	2445.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	ANT1	16.44	≥ 0.5	2454.00	2470.00	Pass
4	NTNV	802.11g(20 M)	2412	6Mbps	ANT1	17.42	≥ 0.5	2403.00	2421.00	Pass
5	NTNV	802.11g(20 M)	2437	6Mbps	ANT1	17.42	≥ 0.5	2428.00	2446.00	Pass
6	NTNV	802.11g(20 M)	2462	6Mbps	ANT1	17.60	≥ 0.5	2453.00	2471.00	Pass
7	NTNV	802.11n(20 M)	2412	MCS0	ANT1	18.29	≥ 0.5	2403.00	2421.00	Pass
8	NTNV	802.11n(20 M)	2437	MCS0	ANT1	18.29	≥ 0.5	2428.00	2446.00	Pass
9	NTNV	802.11n(20 M)	2462	MCS0	ANT1	18.41	≥ 0.5	2453.00	2471.00	Pass

Test Graphs

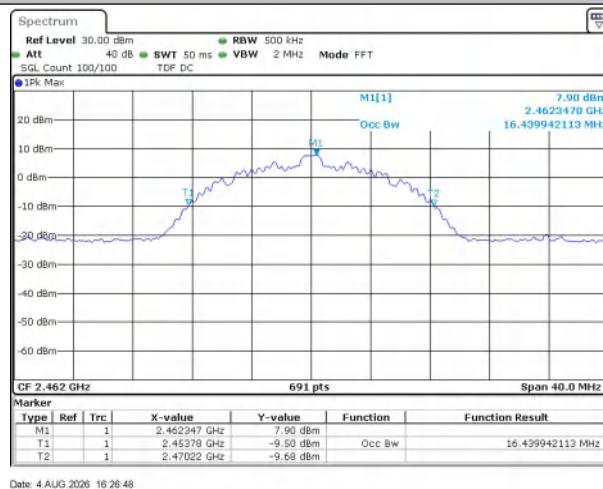
NTNV_802.11b(20M)_2412_1Mbps_ANT1



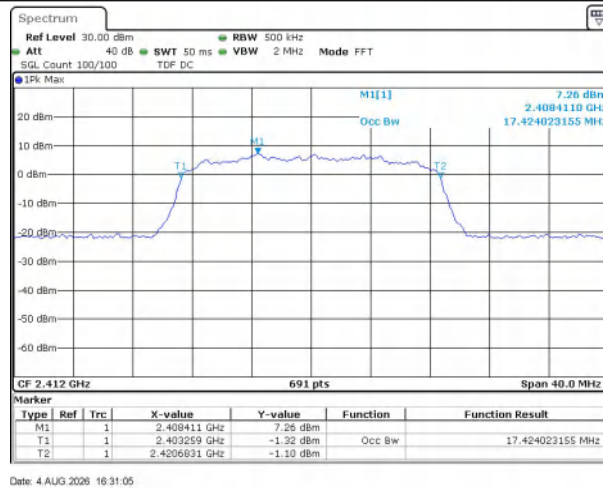
NTNV_802.11b(20M)_2437_1Mbps_ANT1



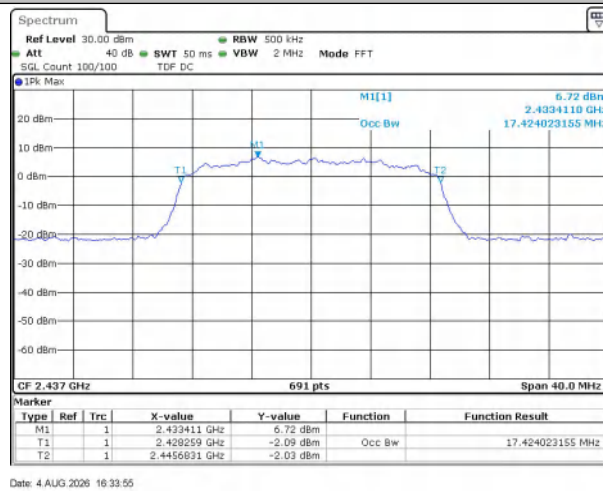
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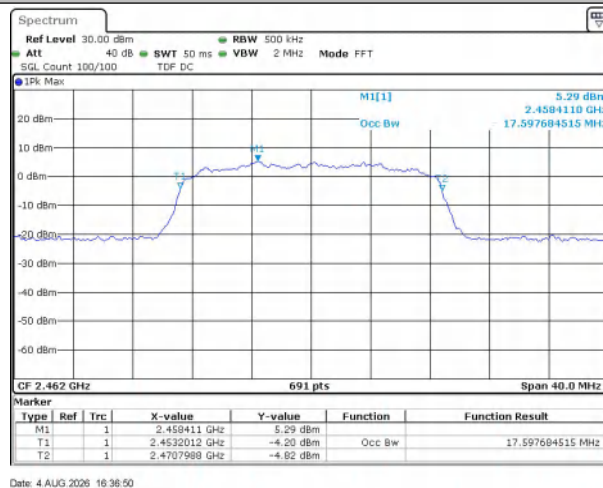
NTNV_802.11g(20M)_2412_6Mbps_ANT1



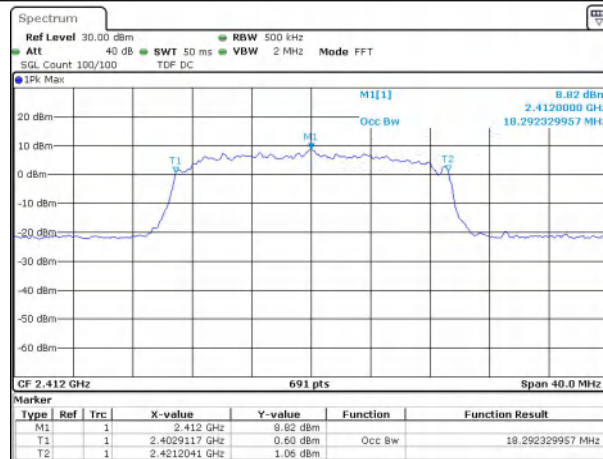
NTNV_802.11g(20M)_2437_6Mbps_ANT1



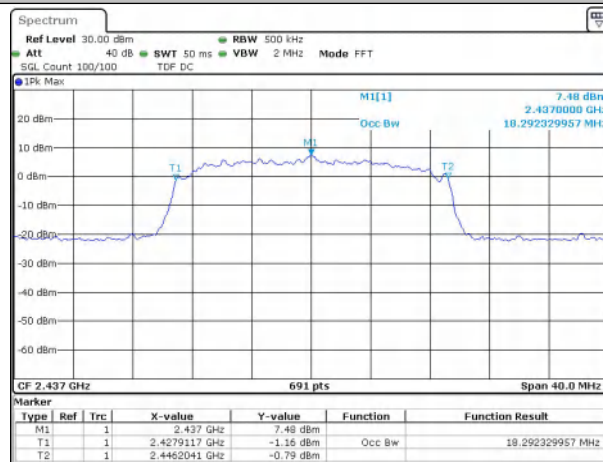
NTNV_802.11g(20M)_2462_6Mbps_ANT1



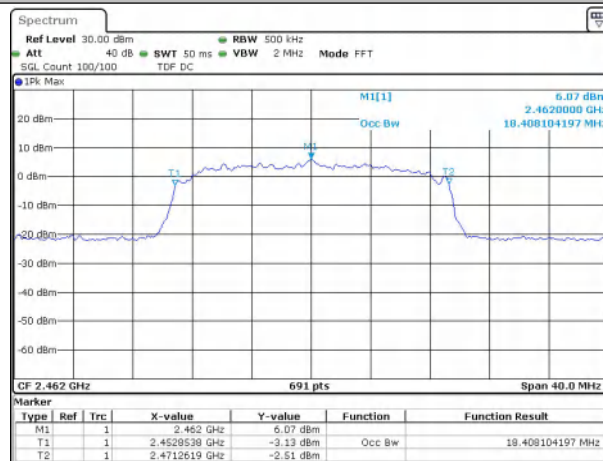
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



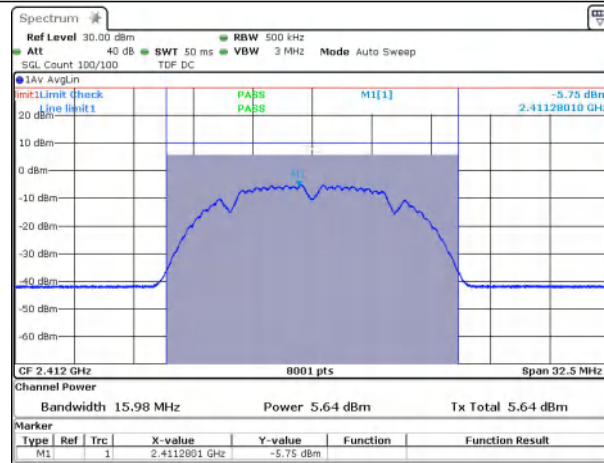
Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	802.11b(20 M)	2412	AVER	ANT1	5.64	≤ 28.09	Pass
2	NTNV	802.11b(20 M)	2437	AVER	ANT1	5.25	≤ 28.09	Pass
3	NTNV	802.11b(20 M)	2462	AVER	ANT1	4.01	≤ 28.09	Pass
4	NTNV	802.11g(20 M)	2412	AVER	ANT1	3.26	≤ 28.09	Pass
5	NTNV	802.11g(20 M)	2437	AVER	ANT1	2.76	≤ 28.09	Pass
6	NTNV	802.11g(20 M)	2462	AVER	ANT1	1.45	≤ 28.09	Pass
7	NTNV	802.11n(20 M)	2412	AVER	ANT1	3.63	≤ 28.09	Pass
8	NTNV	802.11n(20 M)	2437	AVER	ANT1	2.82	≤ 28.09	Pass
9	NTNV	802.11n(20 M)	2462	AVER	ANT1	1.52	≤ 28.09	Pass

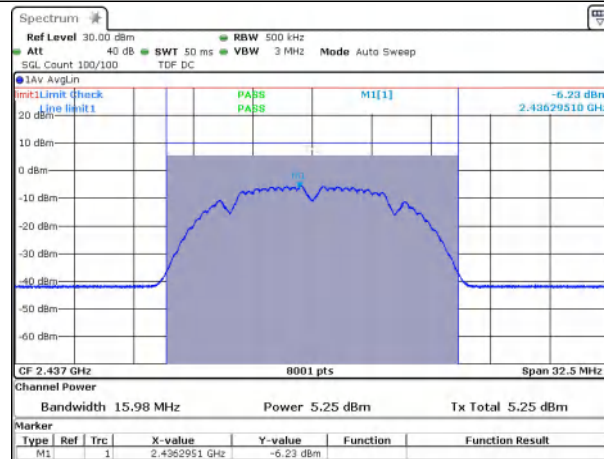
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



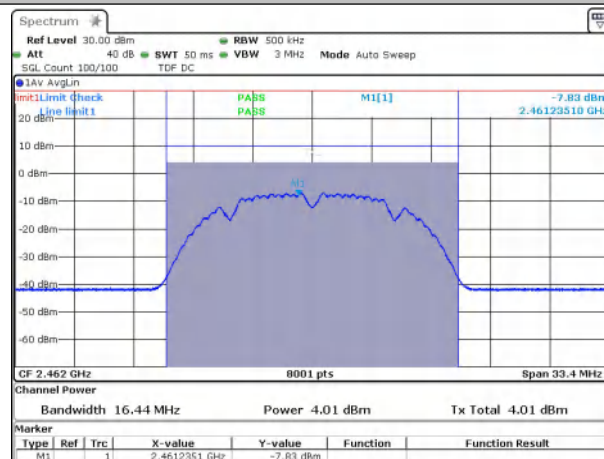
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



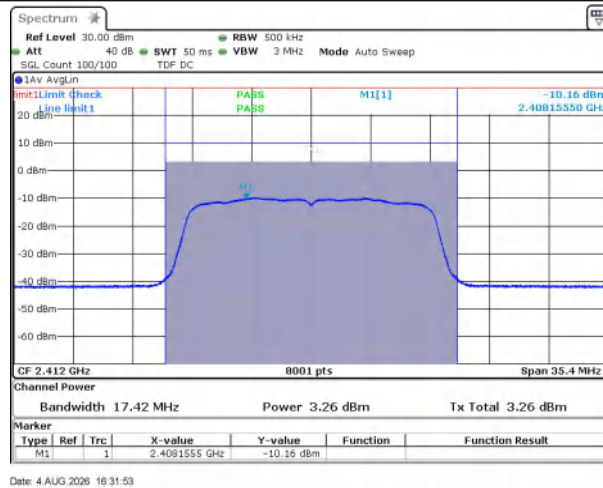
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

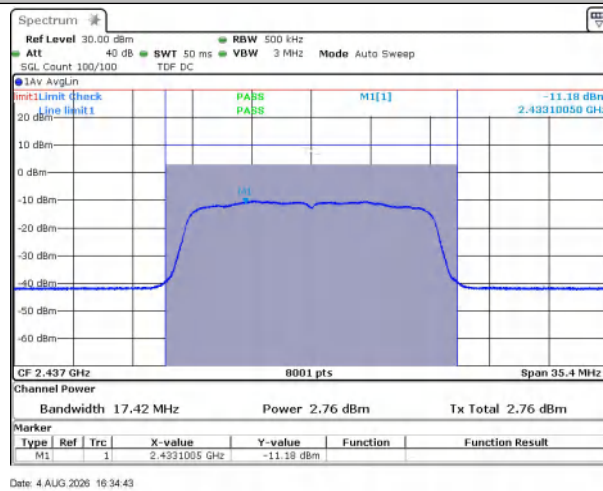


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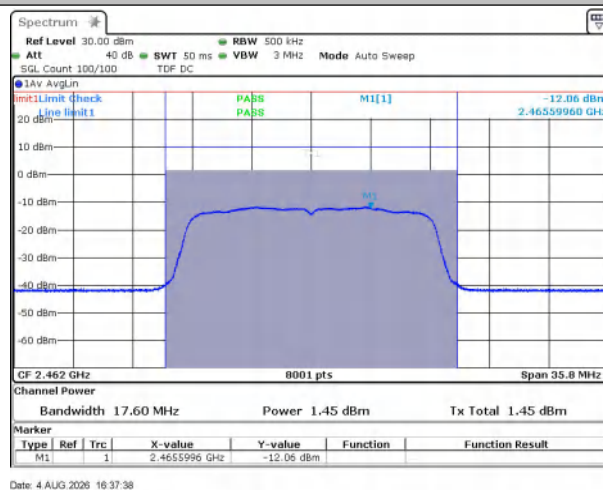
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



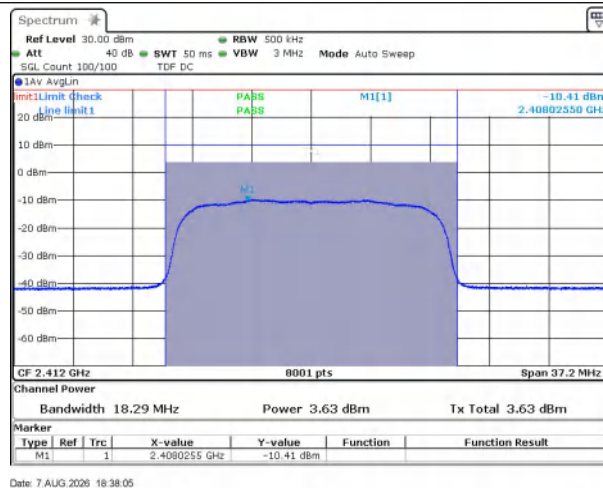
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



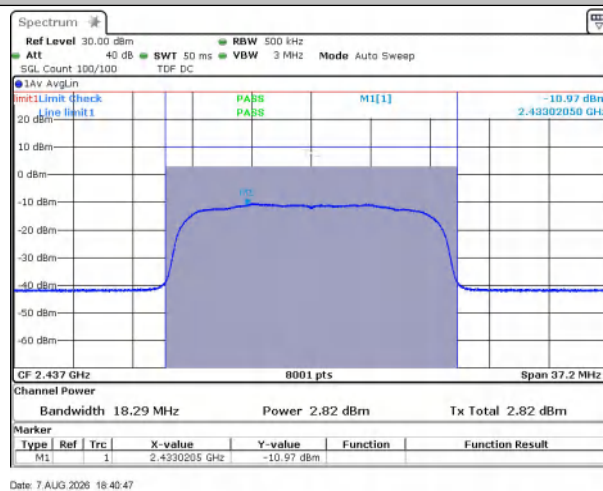
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



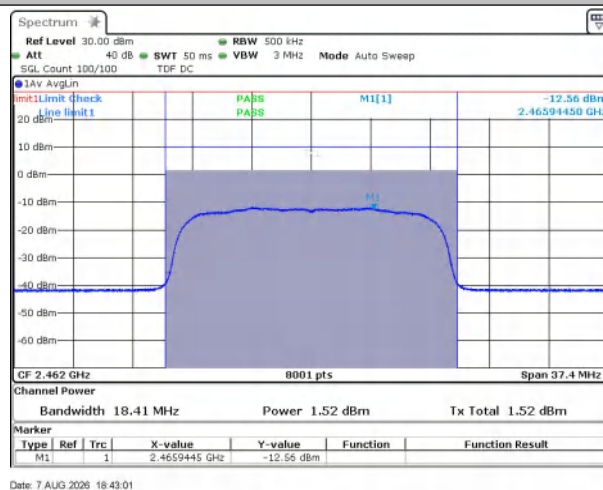
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



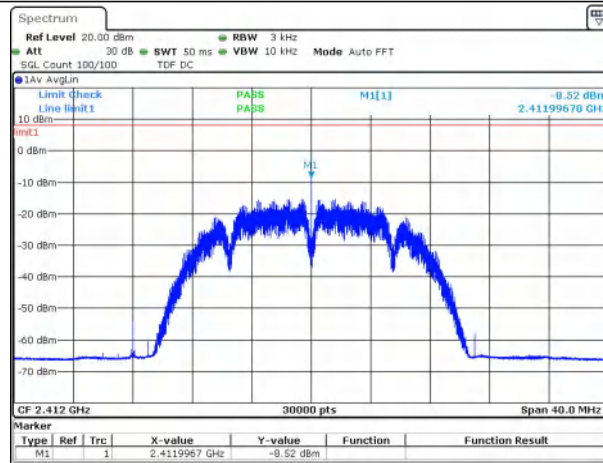
Appendix D: Maximum power spectral density

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	-8.52	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-9.71	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-10.76	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-13.59	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-14.55	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-15.63	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-12.47	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-13.23	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-14.58	≤ 8	Pass

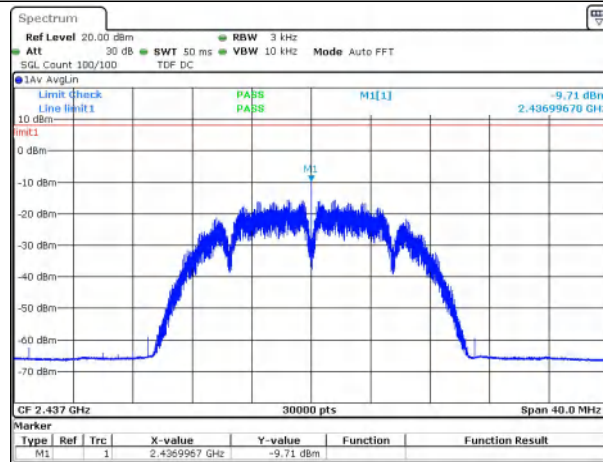
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



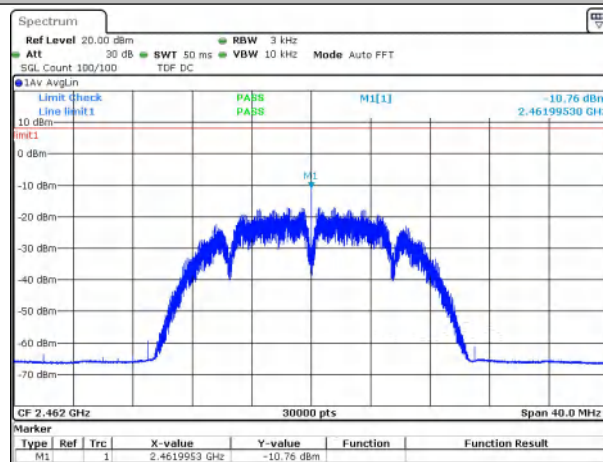
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



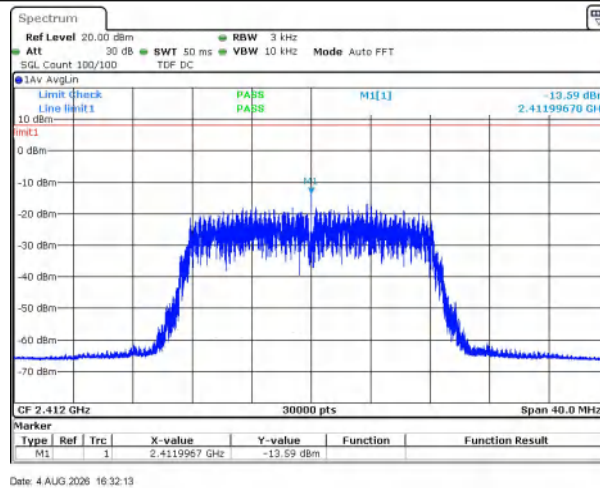
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

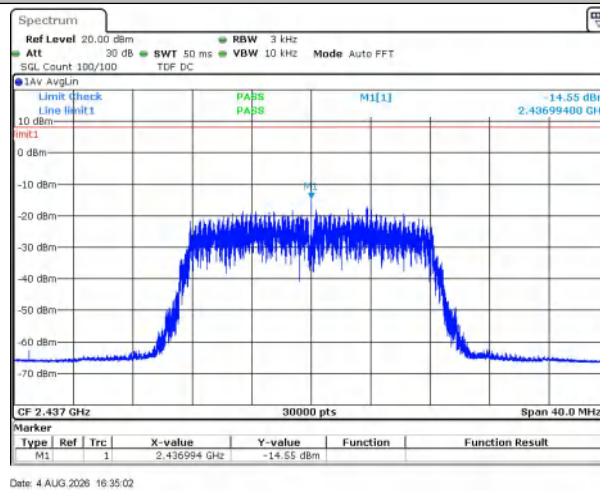


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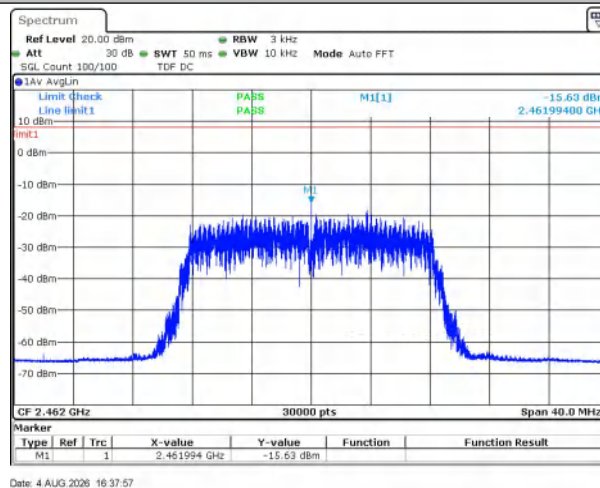
NTNV_802.11g(20M)_2412_6Mbps_ANT1



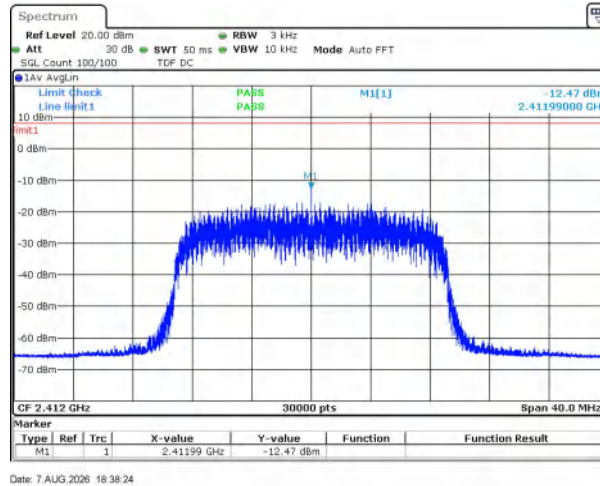
NTNV_802.11g(20M)_2437_6Mbps_ANT1



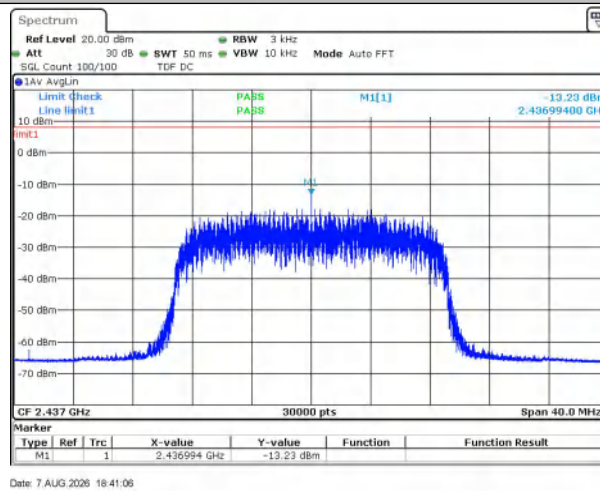
NTNV_802.11g(20M)_2462_6Mbps_ANT1



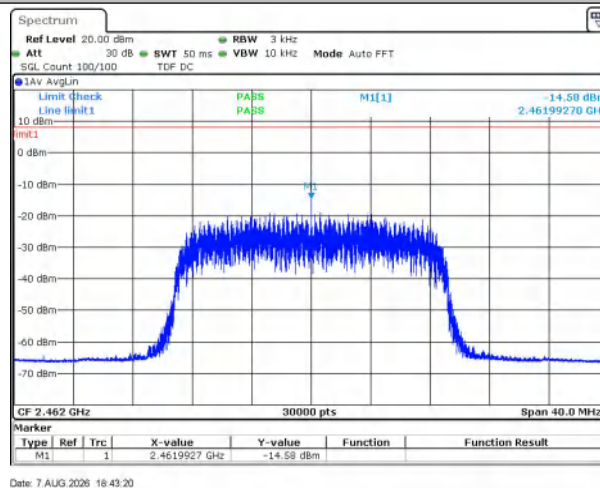
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



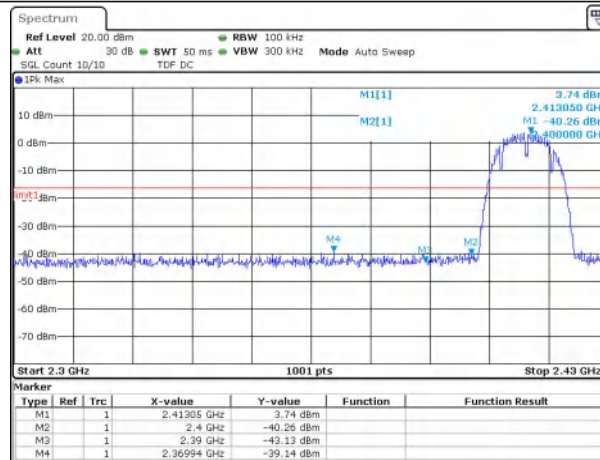
Appendix E: Band edge measurements

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	3.74	-39.14	≤ -16.26	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	1.65	-39.59	≤ -18.35	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	1.39	-36.74	≤ -18.61	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-0.41	-39.99	≤ -20.41	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	1.78	-39.46	≤ -18.22	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-0.36	-39.09	≤ -20.36	Pass

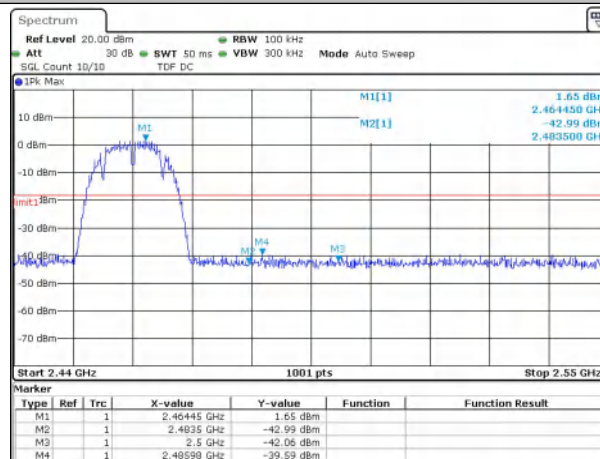
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



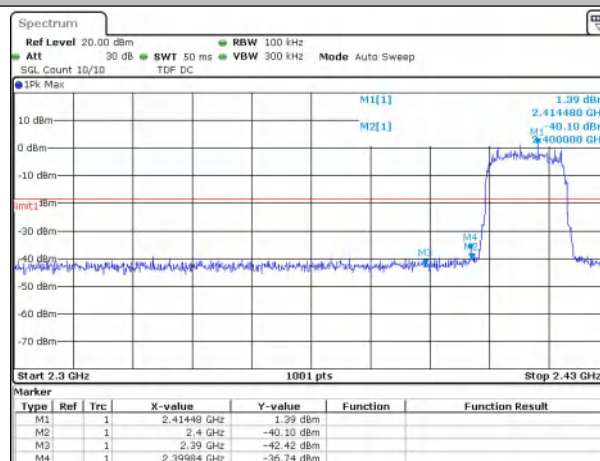
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



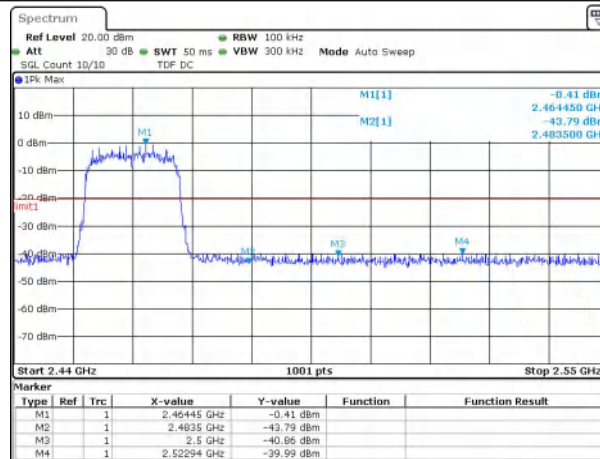
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



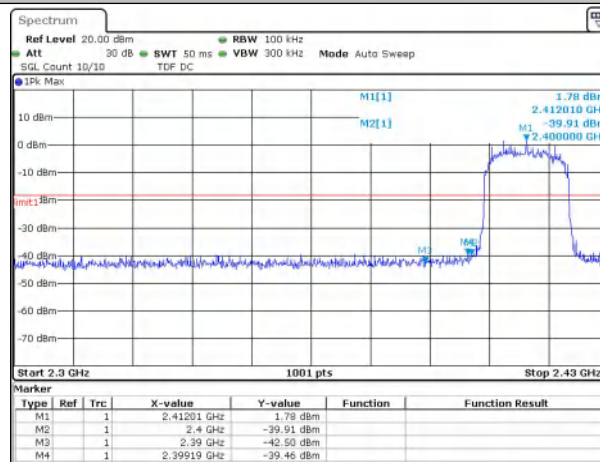
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



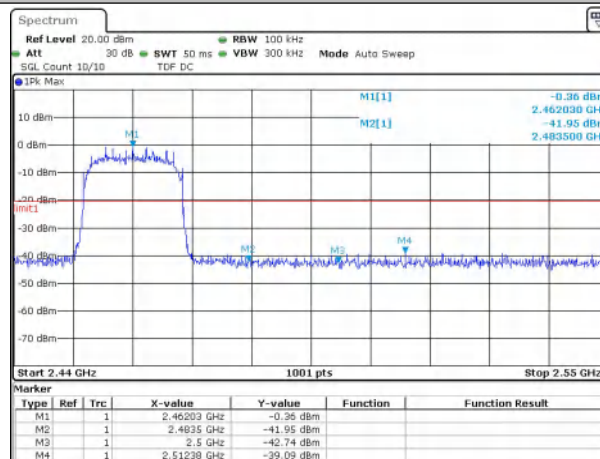
Date: 4 AUG 2026 16:38:01

NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 7 AUG 2026 16:38:28

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 7 AUG 2026 16:43:24

Appendix F: Conducted Spurious Emission

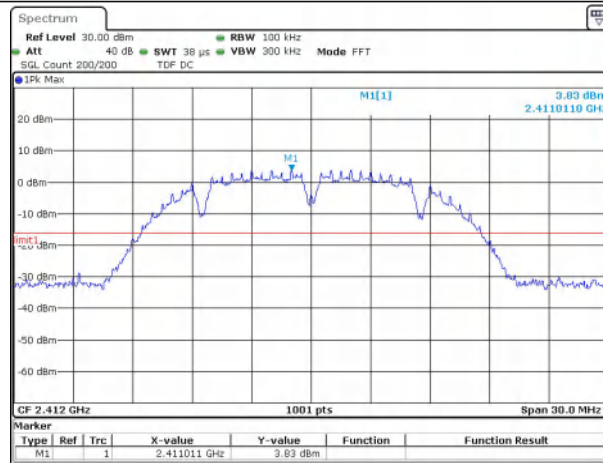
Test Result

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	3.83	/	PASS
						30~1000	0.1	-41.77	≤-16.17	Pass
						1000~26500	0.1	-28.24	≤-16.17	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	3.22	/	PASS
						30~1000	0.1	-41.15	≤-16.78	Pass
						1000~26500	0.1	-27.22	≤-16.78	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	1.39	/	PASS
						30~1000	0.1	-41.15	≤-18.61	Pass
						1000~26500	0.1	-28.80	≤-18.61	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	1.48	/	PASS
						30~1000	0.1	-41.26	≤-18.52	Pass
						1000~26500	0.1	-28.10	≤-18.52	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	0.86	/	PASS
						30~1000	0.1	-41.17	≤-19.14	Pass
						1000~26500	0.1	-28.82	≤-19.14	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-0.33	/	PASS
						30~1000	0.1	-40.98	≤-20.33	Pass
						1000~26500	0.1	-29.04	≤-20.33	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	1.59	/	PASS
						30~1000	0.1	-41.10	≤-18.41	Pass
						1000~26500	0.1	-29.23	≤-18.41	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	0.96	/	PASS
						30~1000	0.1	-41.21	≤-19.04	Pass
						1000~26500	0.1	-27.62	≤-19.04	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	-0.38	/	PASS

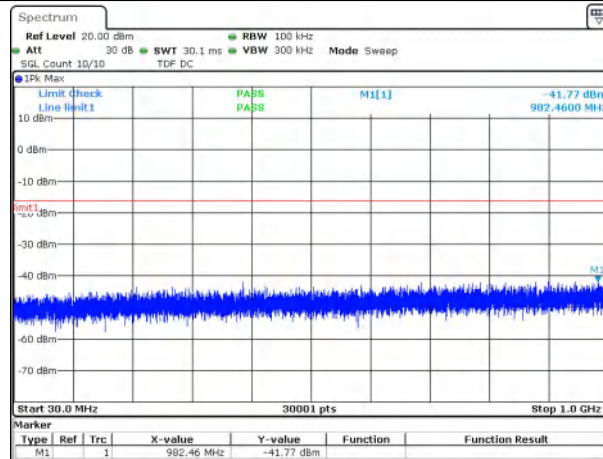
						30~1000	0.1	-41.23	≤ -20.38	Pass
						1000~26500	0.1	-27.78	≤ -20.38	Pass

Test Graphs

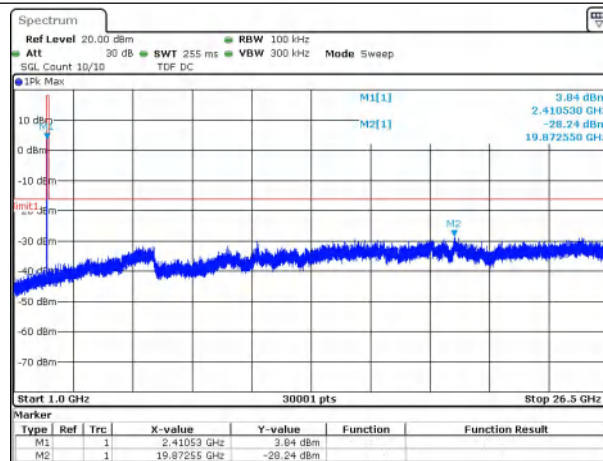
NTNV_802.11b(20M)_2412_1Mbps_ANT1



Date: 4 AUG 2026 16:22:53

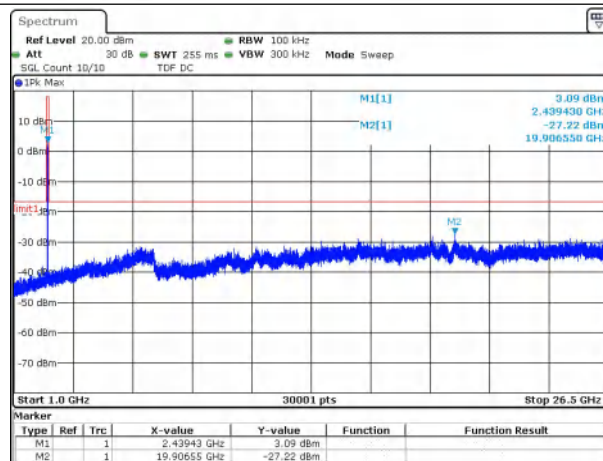
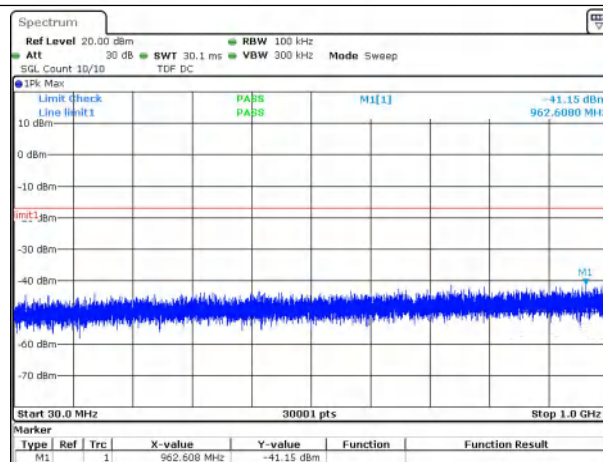
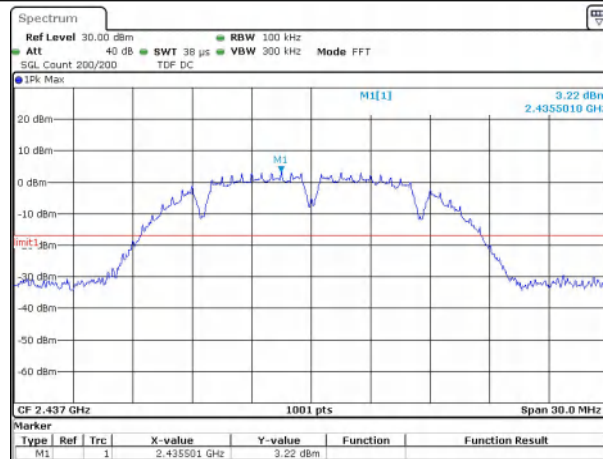


Date: 4 AUG 2026 16:23:00

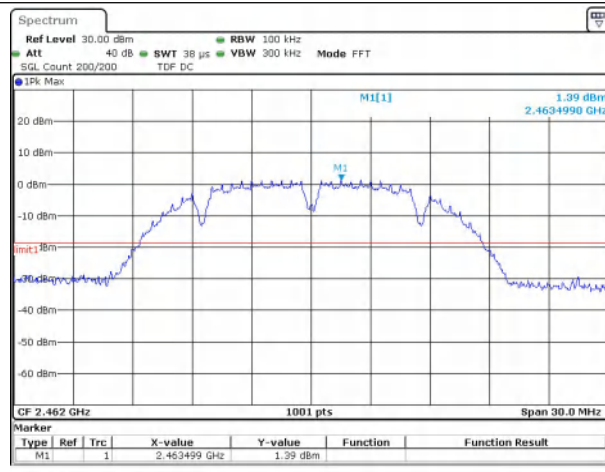


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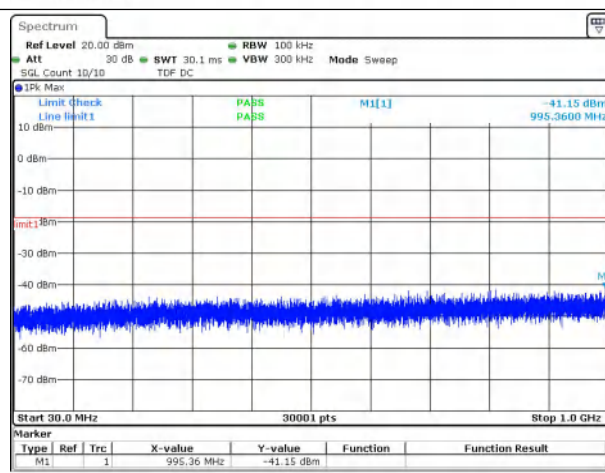
NTNV_802.11b(20M)_2437_1Mbps_ANT1



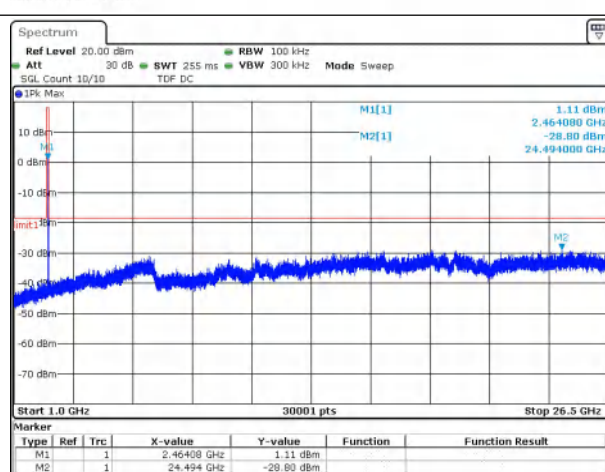
NTNV_802.11b(20M)_2462_1Mbps_ANT1



Date: 4 AUG 2026 16:28:15

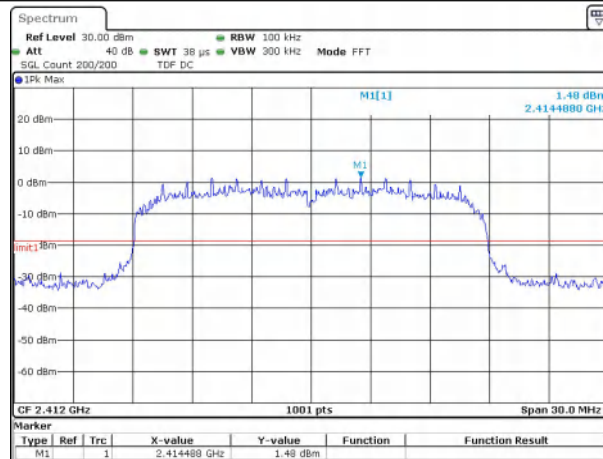


Date: 4 AUG 2026 16:28:22

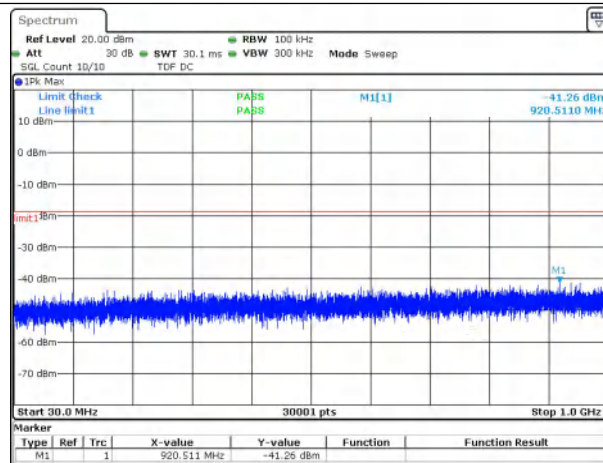


Date: 4 AUG 2026 16:28:36

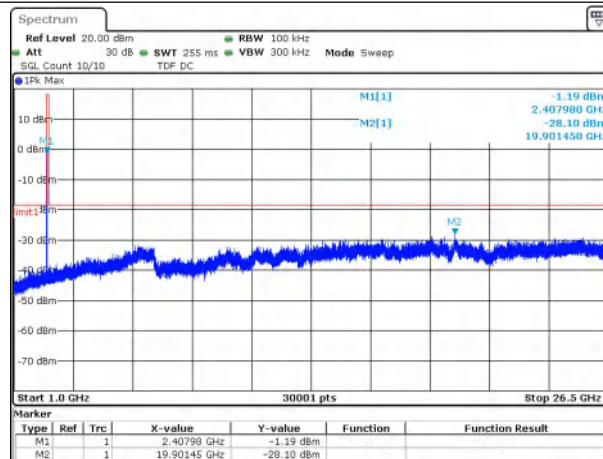
NTNV_802.11g(20M)_2412_6Mbps_ANT1



Date: 4 AUG 2026 16:32:22

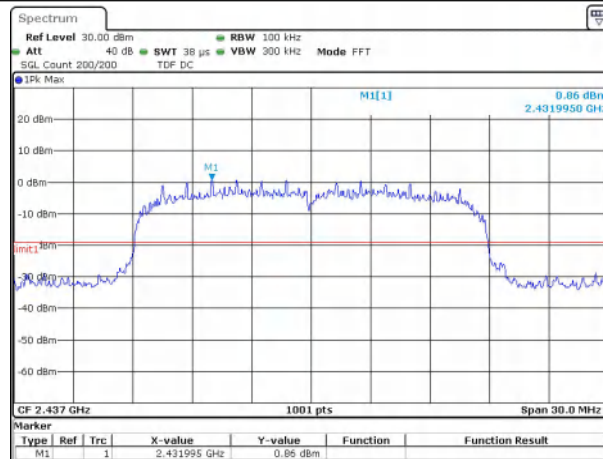


Date: 4 AUG 2026 16:32:28

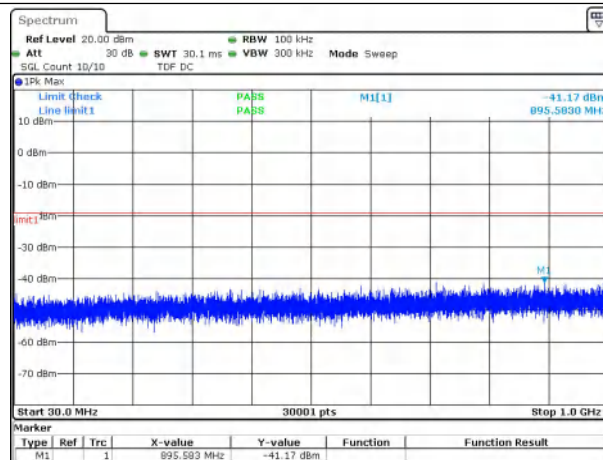


Date: 4 AUG 2026 16:32:43

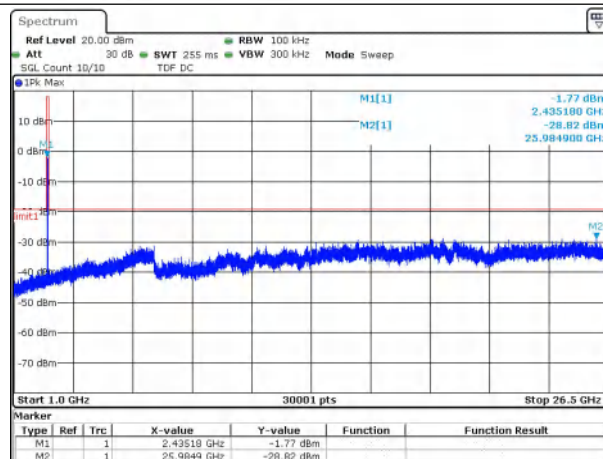
NTNV_802.11g(20M)_2437_6Mbps_ANT1



Date: 4 AUG 2026 16:35:08

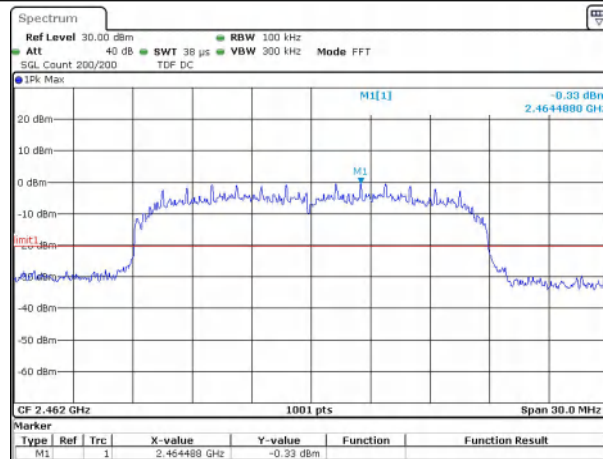


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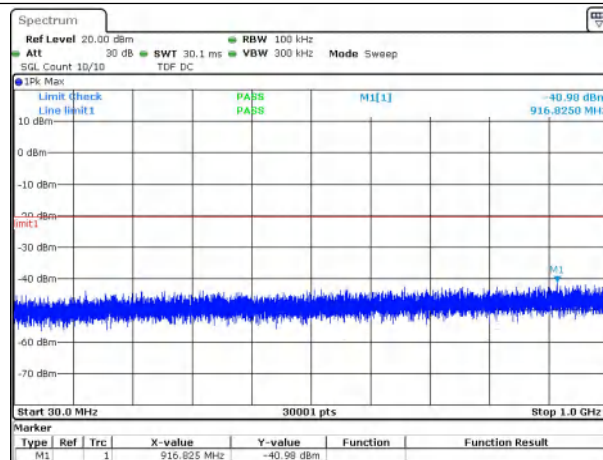


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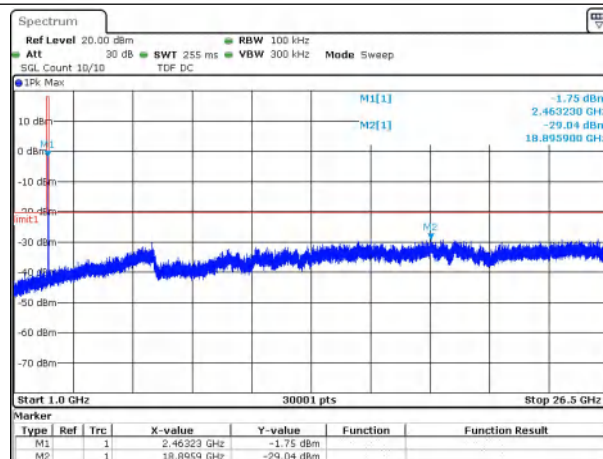
NTNV_802.11g(20M)_2462_6Mbps_ANT1



Date: 4 AUG 2026 16:38:07

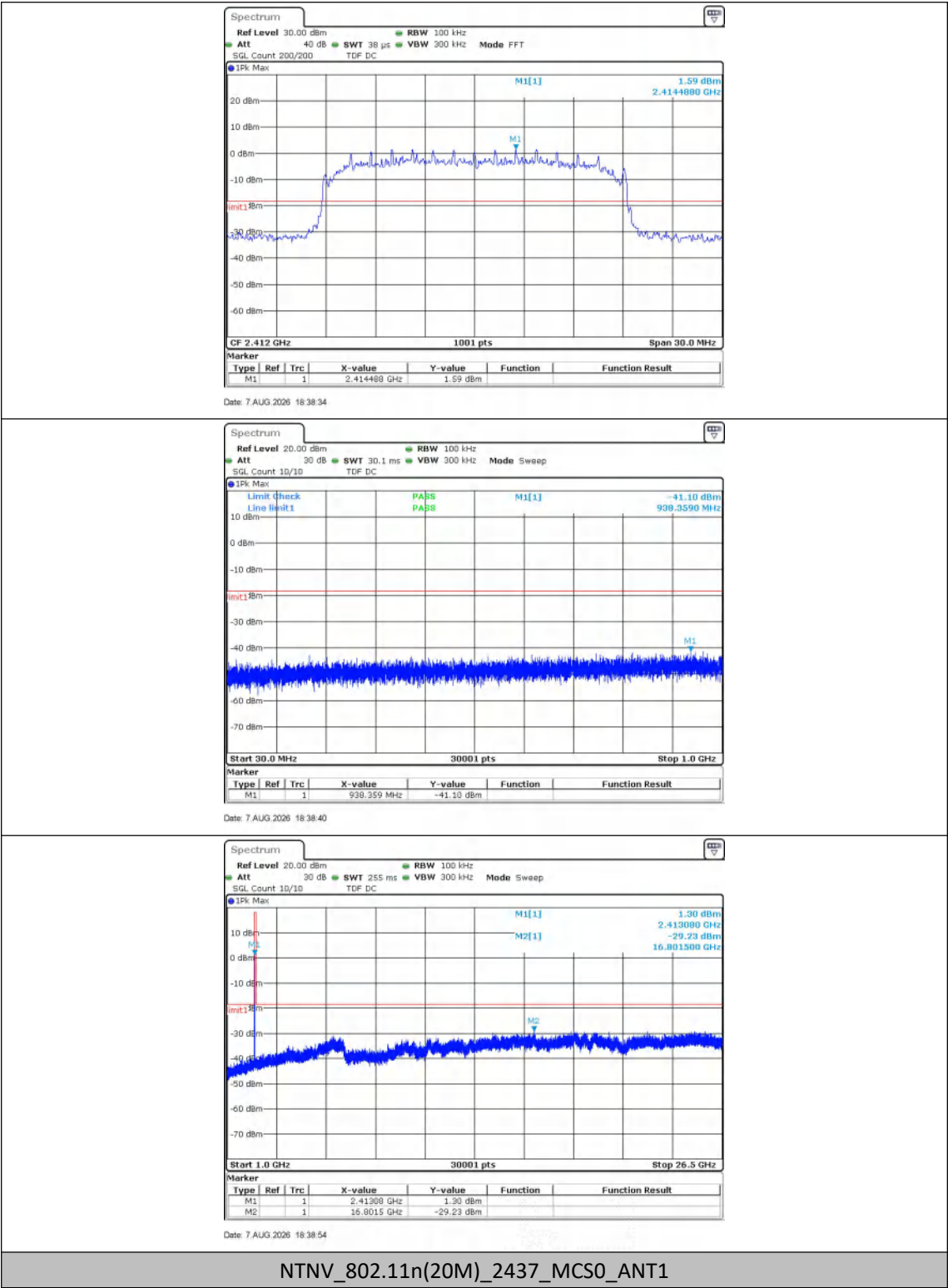


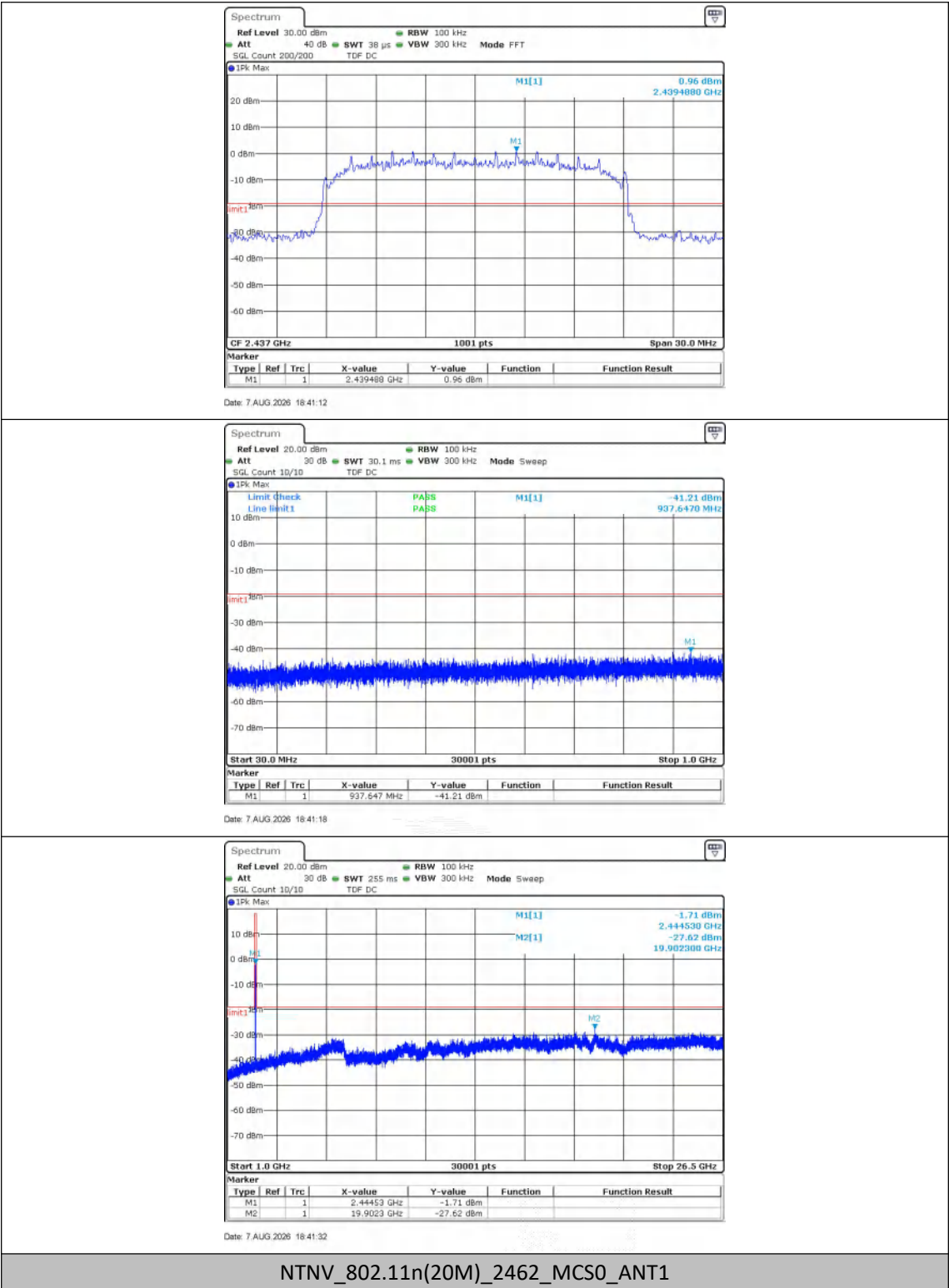
Date: 4 AUG 2026 16:38:13

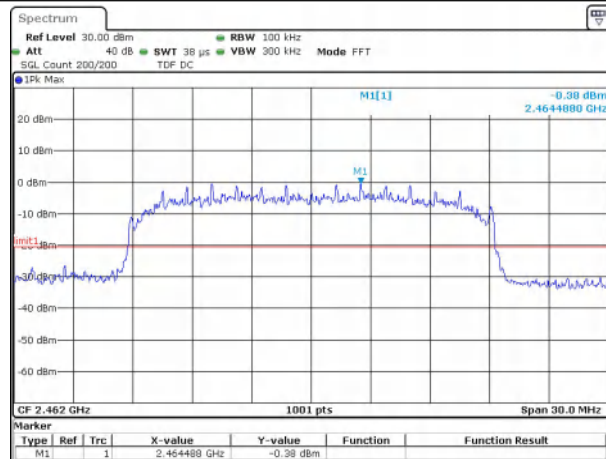


Date: 4 AUG 2026 16:38:27

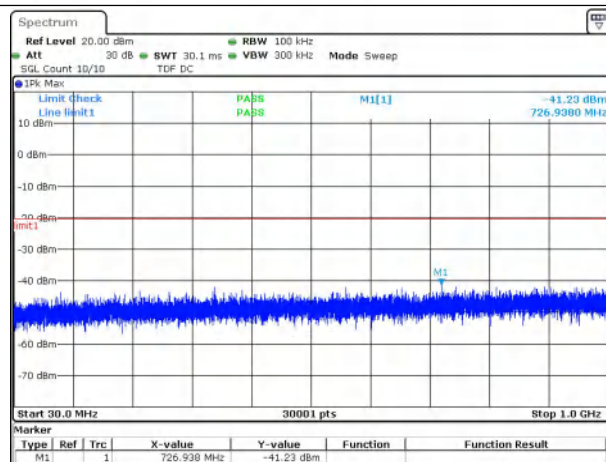
NTNV_802.11n(20M)_2412_MCS0_ANT1



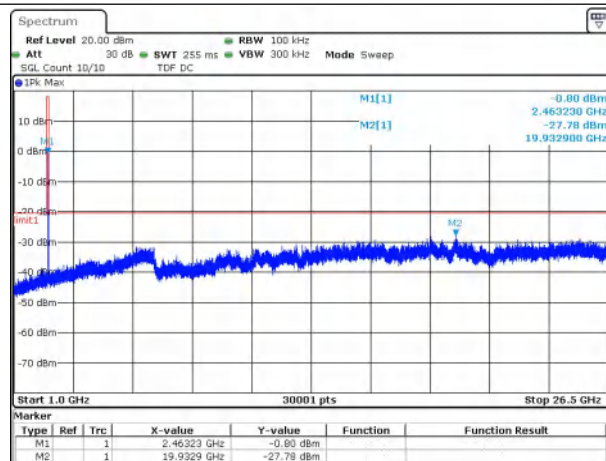




Date: 7 AUG 2026 18:43:29



Date: 7 AUG 2026 18:43:36



Date: 7 AUG 2026 18:43:50

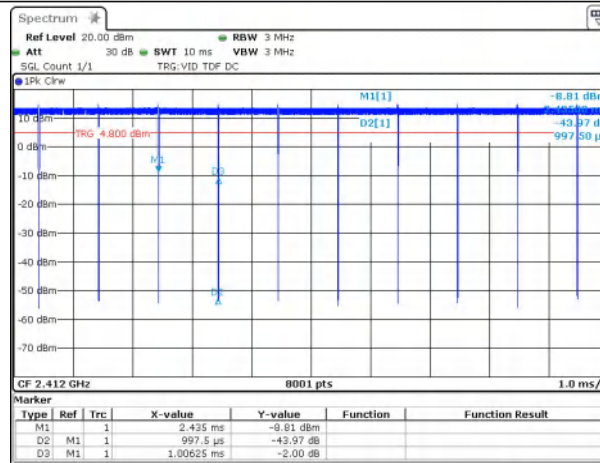
Appendix G: Duty Cycle

Test Result

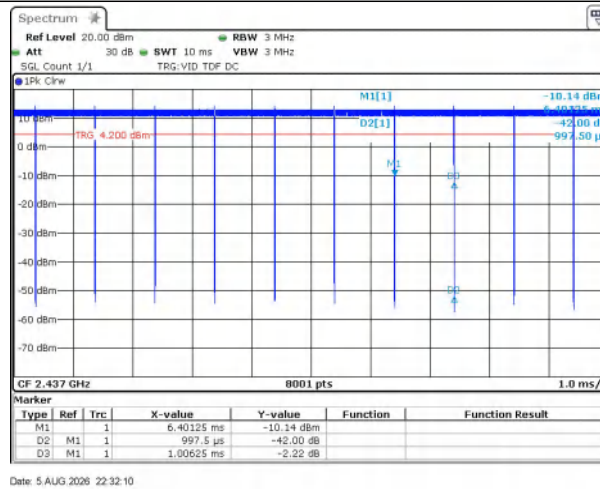
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	1.00	1.01	0.99	99.13
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	1.00	1.01	0.99	99.13
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	1.00	1.01	0.99	99.13
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	0.70	0.70	0.99	99.11
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	0.70	0.70	0.99	99.11
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	0.70	0.70	0.99	99.11
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	0.66	0.67	0.99	99.06
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	0.66	0.67	0.99	98.88
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	0.66	0.67	0.99	99.06

Test Graphs

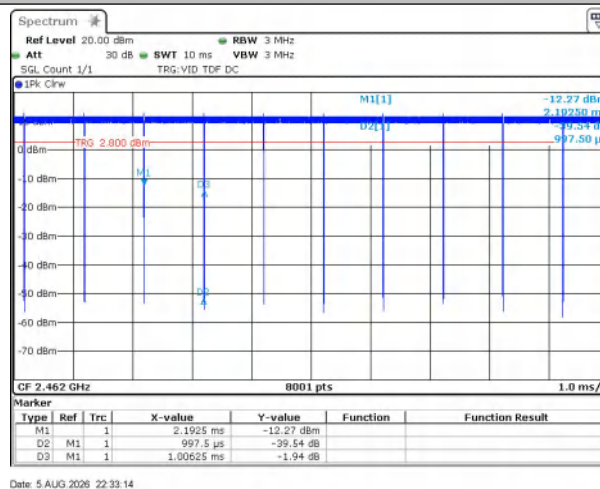
NTNV_802.11b(20M)_2412_1Mbps_ANT1



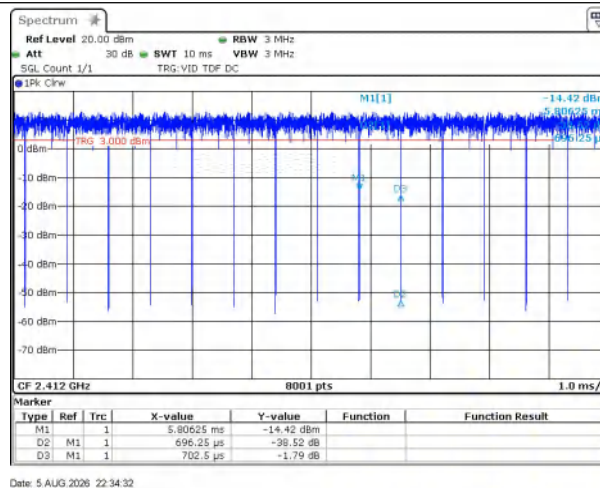
NTNV_802.11b(20M)_2437_1Mbps_ANT1



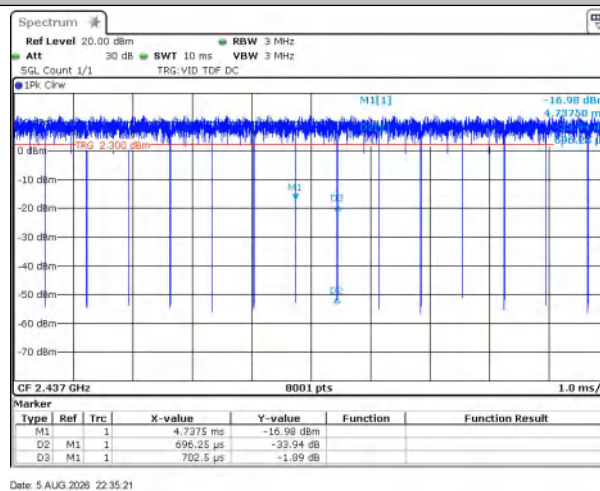
NTNV_802.11b(20M)_2462_1Mbps_ANT1



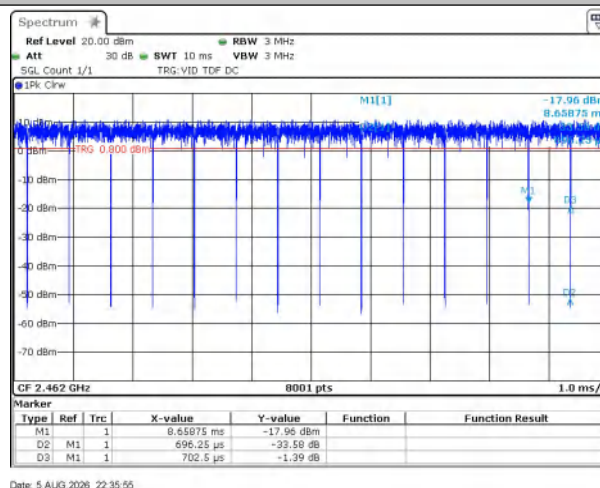
NTNV_802.11g(20M)_2412_6Mbps_ANT1



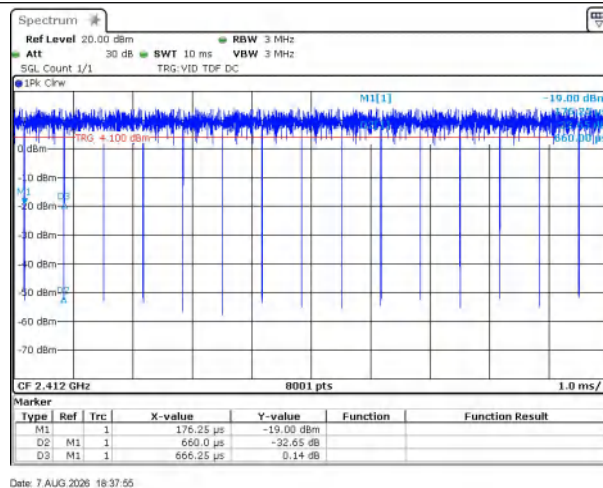
NTNV_802.11g(20M)_2437_6Mbps_ANT1



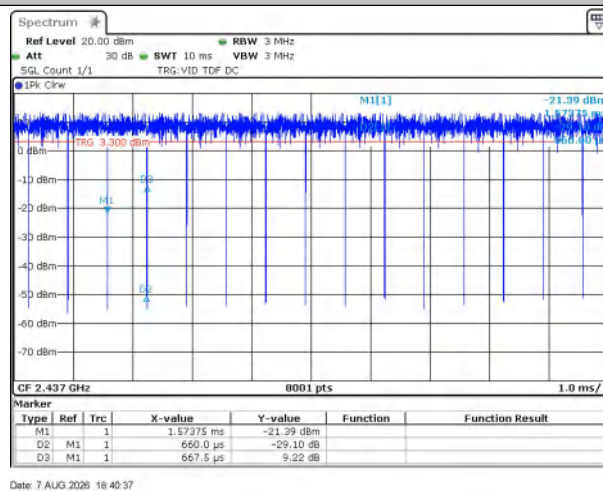
NTNV_802.11g(20M)_2462_6Mbps_ANT1



NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

