



CQASZ20260801700E-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
7	Duty Cycle	Pass

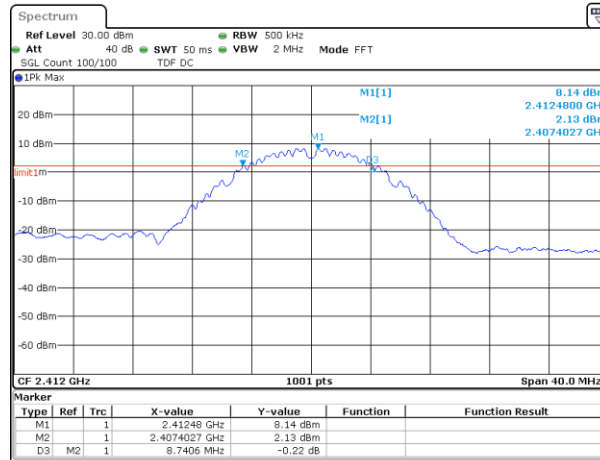
Appendix A: DTS Bandwidth

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	8.74	2407.00	2416.00	≥ 0.5	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	8.73	2432.00	2441.00	≥ 0.5	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	8.71	2458.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.36	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.32	2429.00	2445.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.35	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	17.60	2403.00	2421.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	17.43	2428.00	2446.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	17.65	2453.00	2471.00	≥ 0.5	Pass

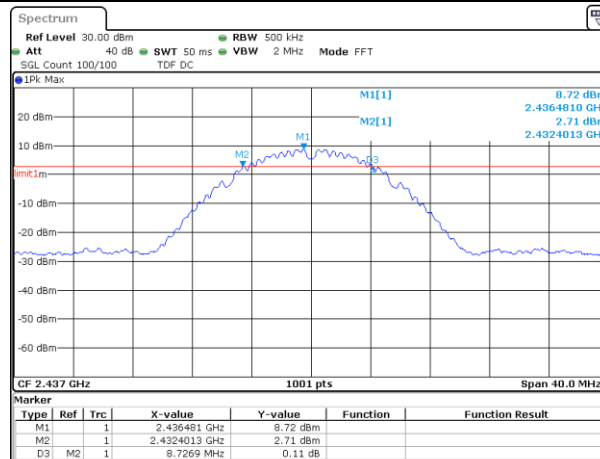
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



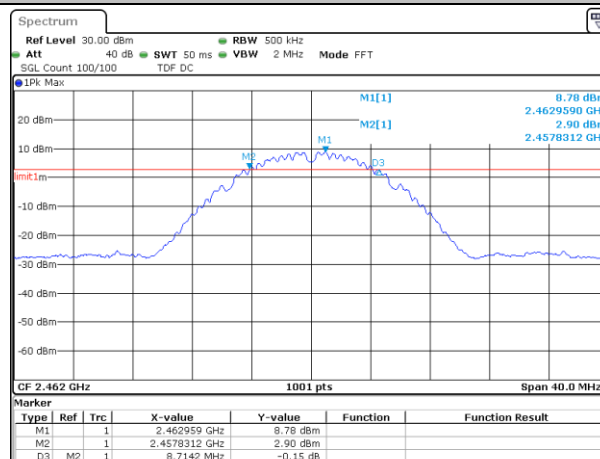
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



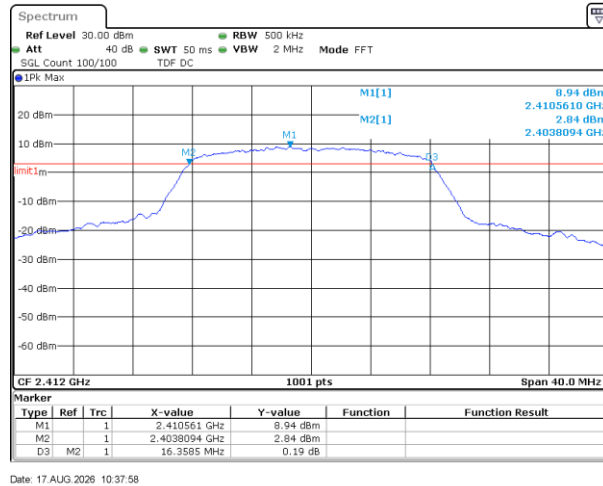
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

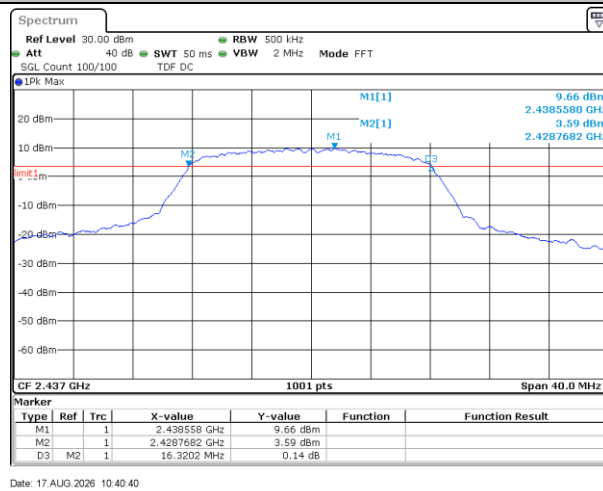


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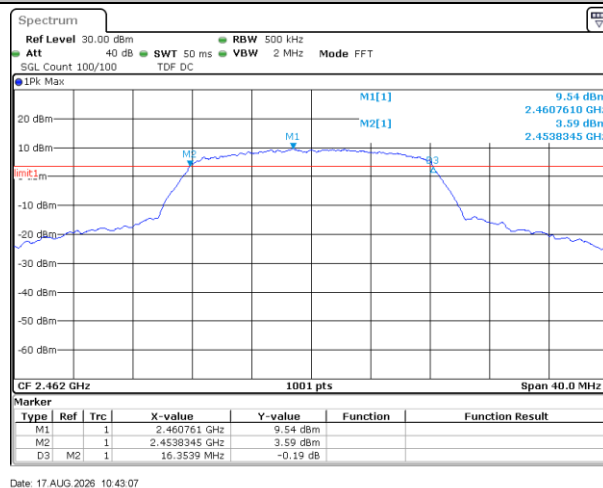
NTNV_802.11g(20M)_2412_6Mbps_ANT1



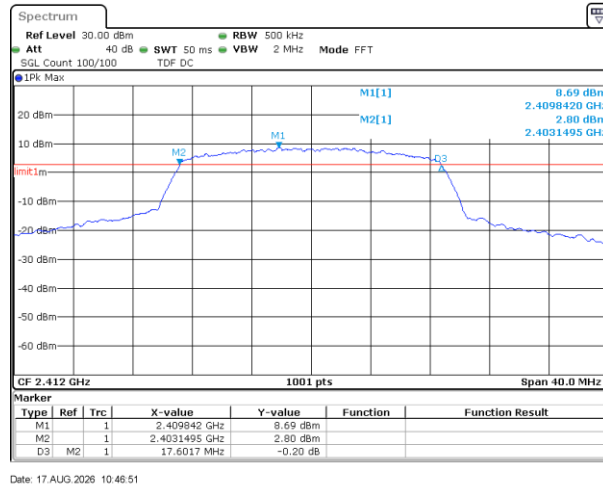
NTNV_802.11g(20M)_2437_6Mbps_ANT1



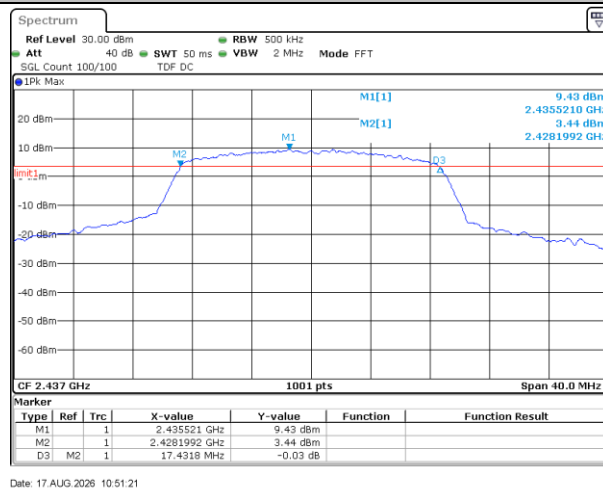
NTNV_802.11g(20M)_2462_6Mbps_ANT1



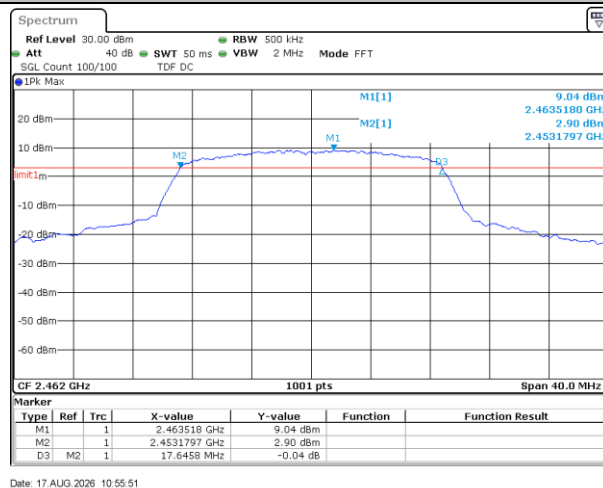
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



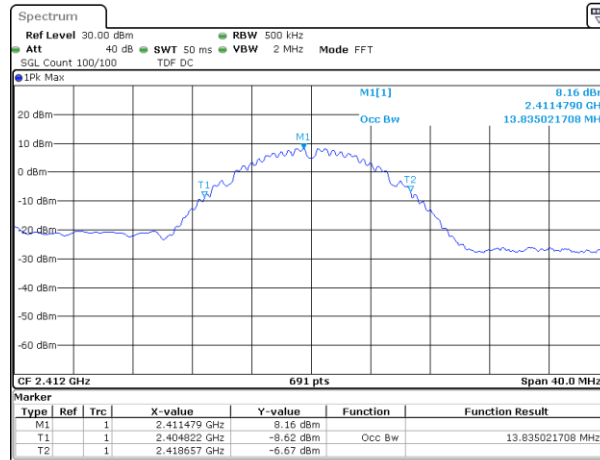
Appendix B: Occupied Channel Bandwidth

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	13.84	≥ 0.5	2405.00	2419.00	Pass
2	NTNV	802.11b(20 M)	2437	1Mbps	ANT1	13.31	≥ 0.5	2430.00	2444.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	ANT1	13.37	≥ 0.5	2455.00	2469.00	Pass
4	NTNV	802.11g(20 M)	2412	6Mbps	ANT1	17.66	≥ 0.5	2403.00	2421.00	Pass
5	NTNV	802.11g(20 M)	2437	6Mbps	ANT1	17.54	≥ 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	18.47	≥ 0.5	2403.00	2421.00	Pass
8	NTNV	802.11n(20 M)	2437	MCS0	ANT1	18.41	≥ 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

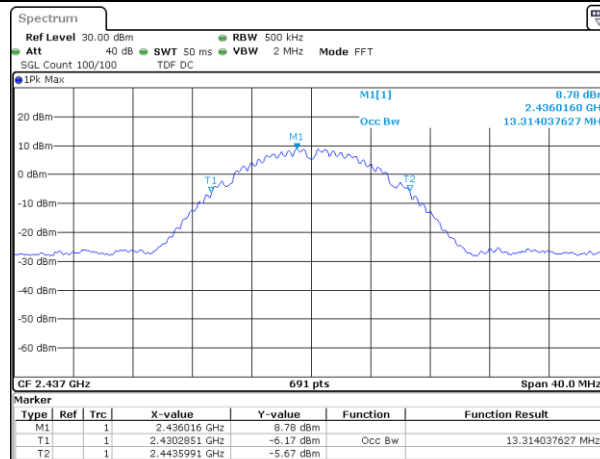
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



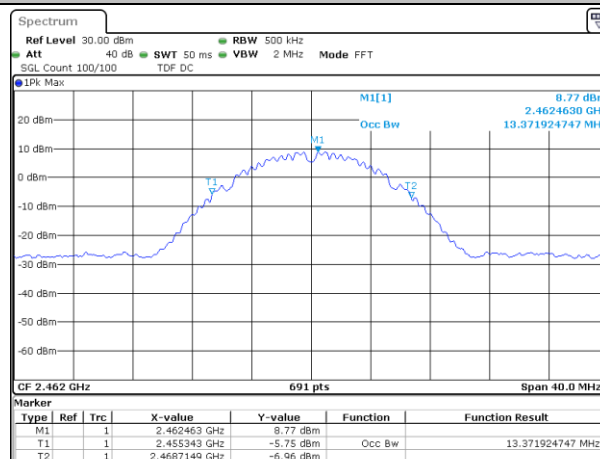
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



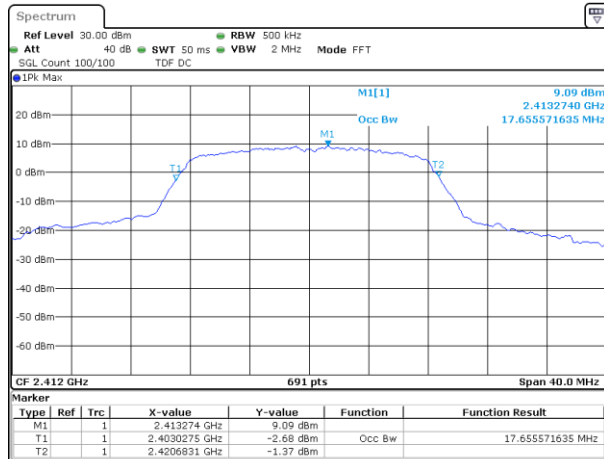
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

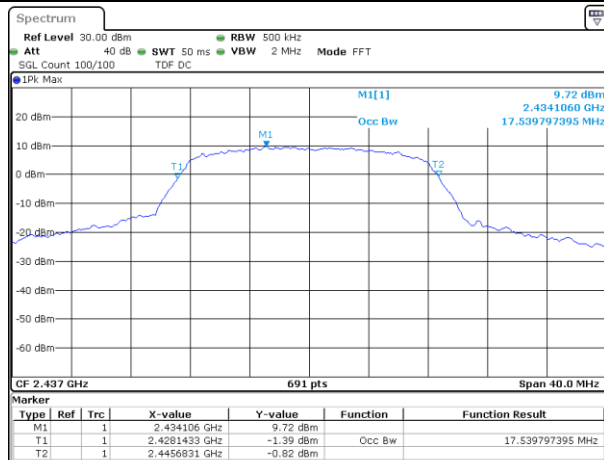


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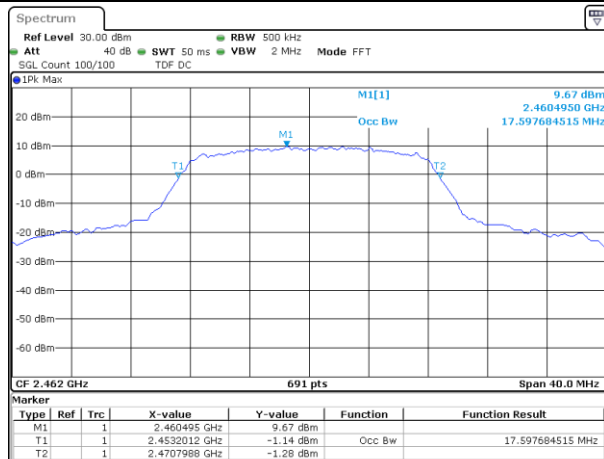
NTNV_802.11g(20M)_2412_6Mbps_ANT1



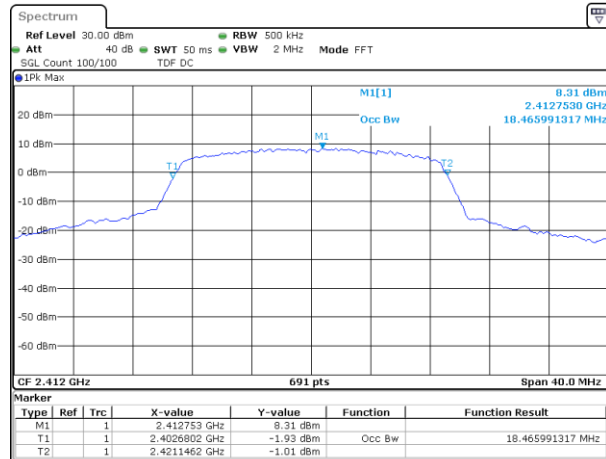
NTNV_802.11g(20M)_2437_6Mbps_ANT1



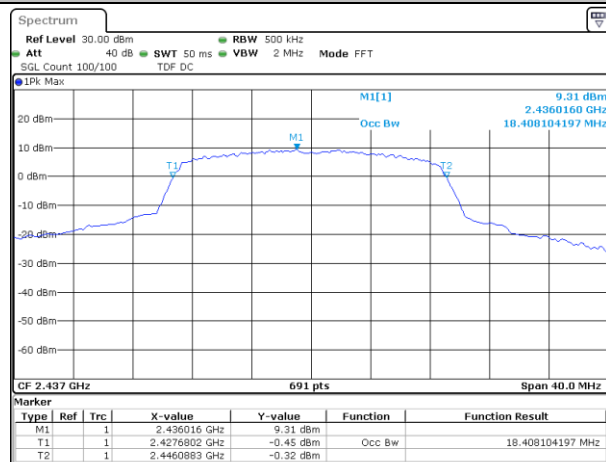
NTNV_802.11g(20M)_2462_6Mbps_ANT1



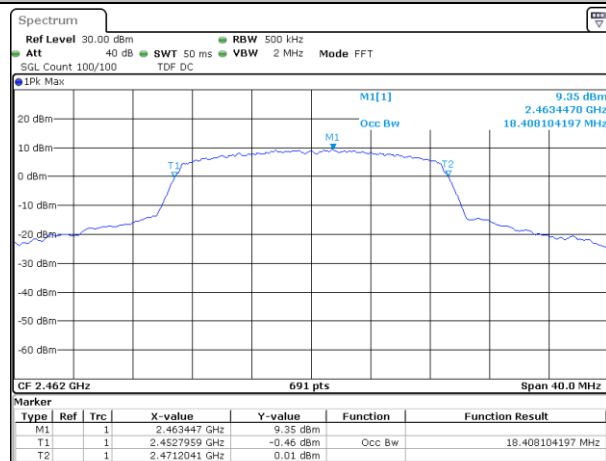
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

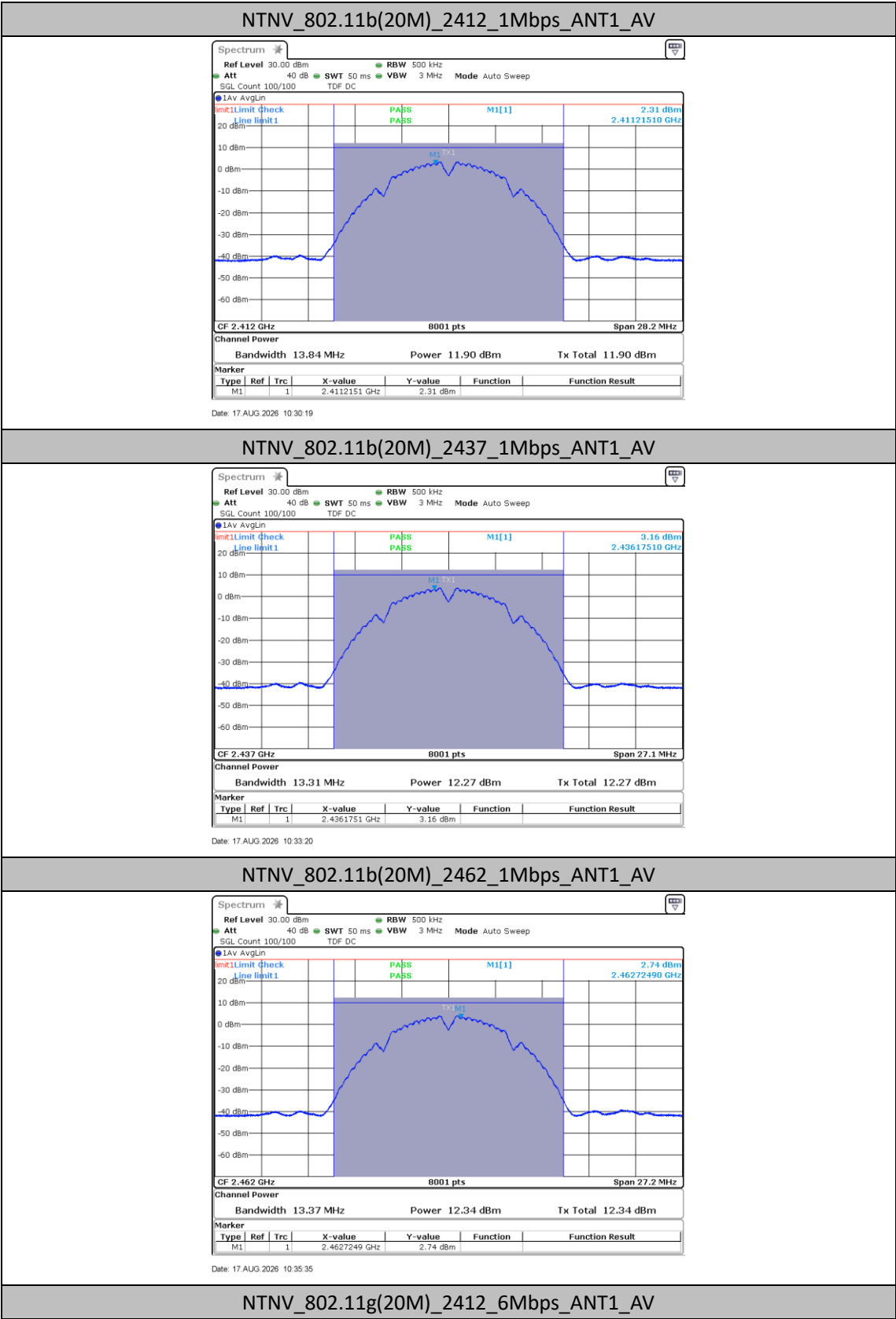


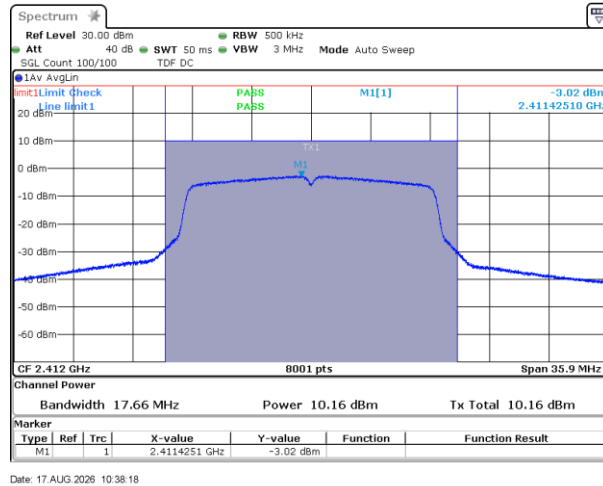
Appendix C: Maximum conducted output power

Test Result

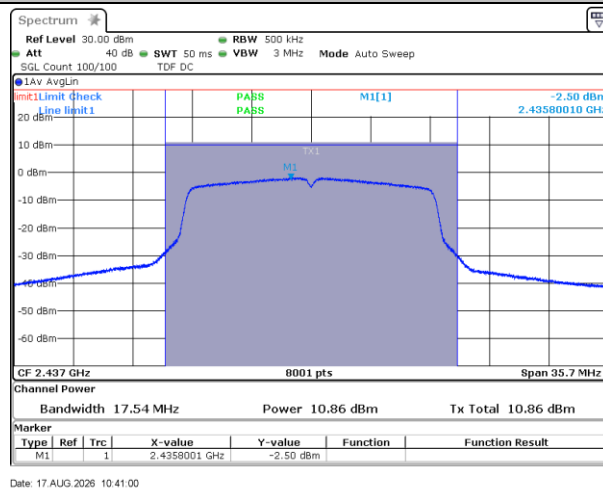
NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Average Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	802.11b(20 M)	2412	AVER	ANT1	11.90	≤ 30	Pass
2	NTNV	802.11b(20 M)	2437	AVER	ANT1	12.27	≤ 30	Pass
3	NTNV	802.11b(20 M)	2462	AVER	ANT1	12.34	≤ 30	Pass
4	NTNV	802.11g(20 M)	2412	AVER	ANT1	10.16	≤ 30	Pass
5	NTNV	802.11g(20 M)	2437	AVER	ANT1	10.86	≤ 30	Pass
6	NTNV	802.11g(20 M)	2462	AVER	ANT1	10.85	≤ 30	Pass
7	NTNV	802.11n(20 M)	2412	AVER	ANT1	10.28	≤ 30	Pass
8	NTNV	802.11n(20 M)	2437	AVER	ANT1	10.87	≤ 30	Pass
9	NTNV	802.11n(20 M)	2462	AVER	ANT1	10.93	≤ 30	Pass

Test Graphs

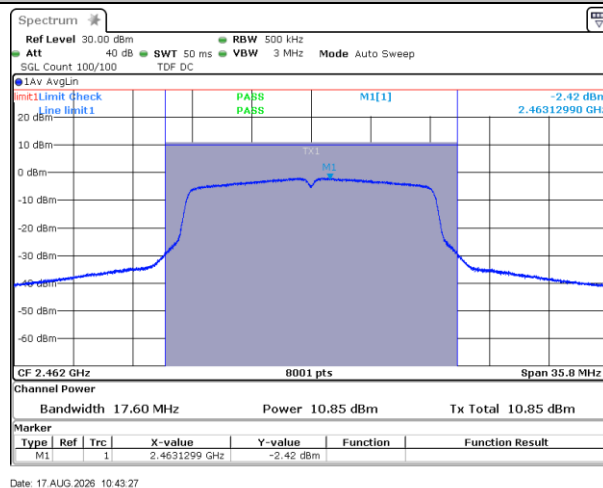




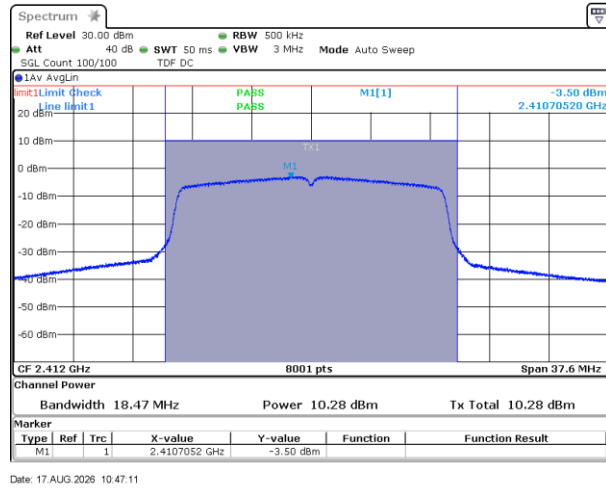
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



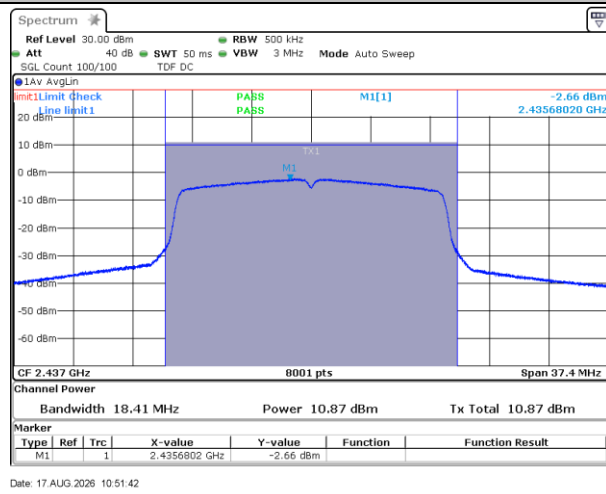
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



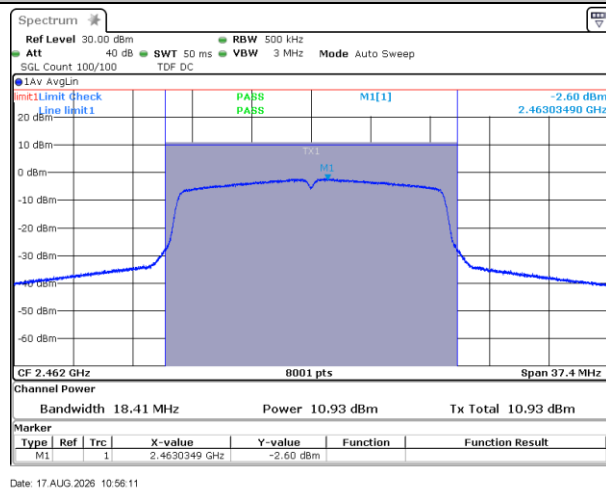
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



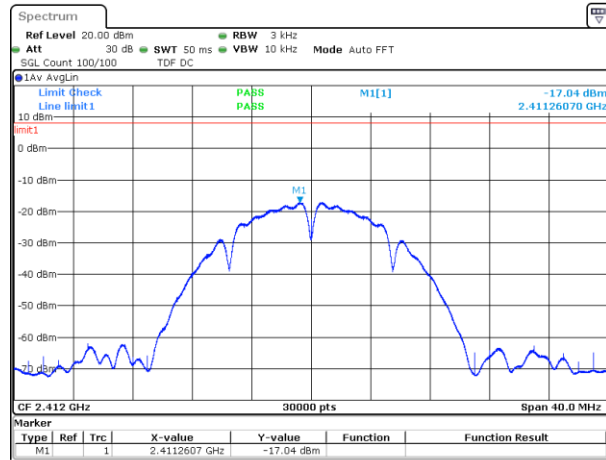
Appendix D: Maximum power spectral density

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	-17.04	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-16.52	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-16.33	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-20.74	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-19.98	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-20.07	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-20.29	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-19.94	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-19.51	≤ 8	Pass

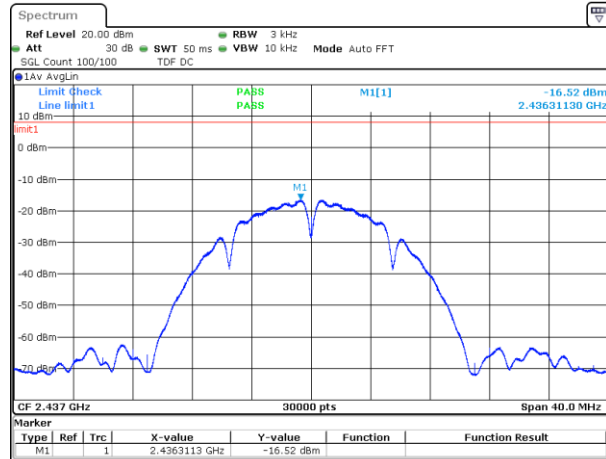
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



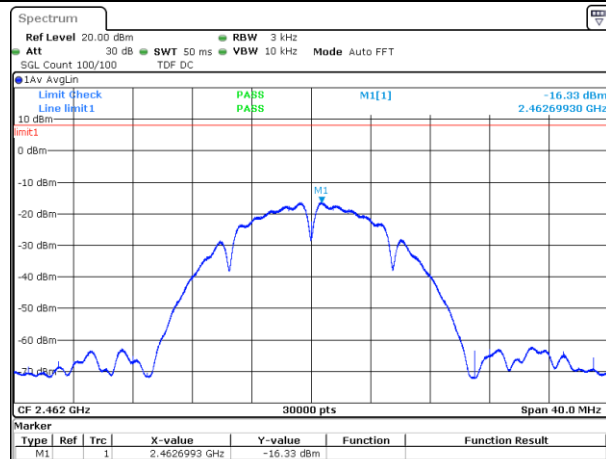
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



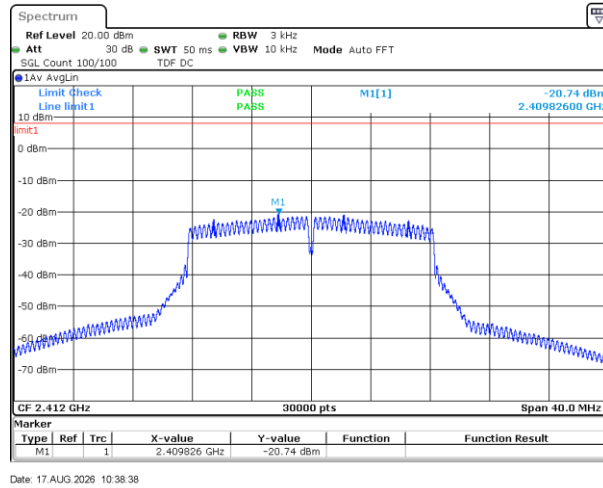
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

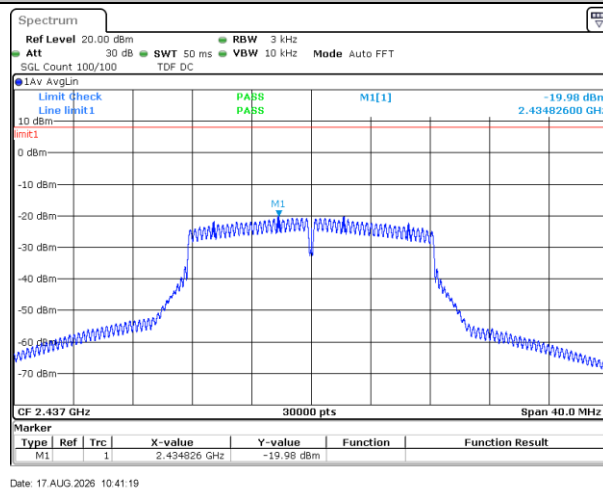


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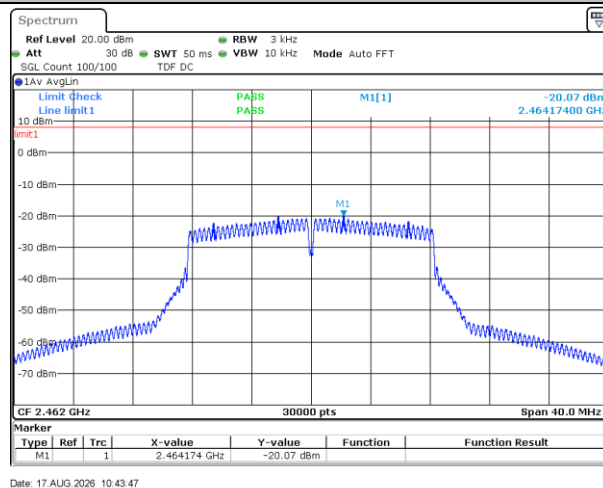
NTNV_802.11g(20M)_2412_6Mbps_ANT1



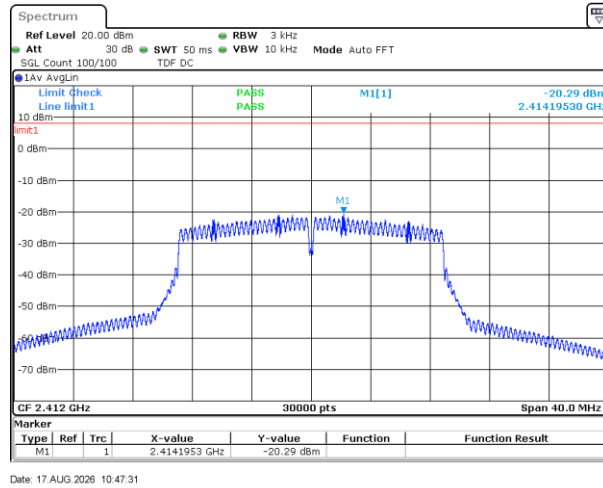
NTNV_802.11g(20M)_2437_6Mbps_ANT1



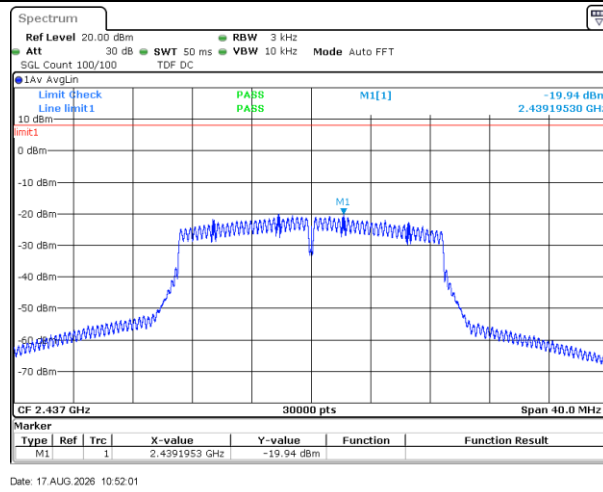
NTNV_802.11g(20M)_2462_6Mbps_ANT1



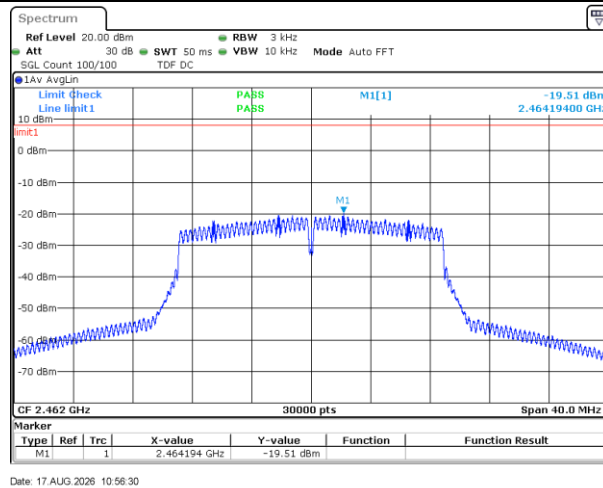
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



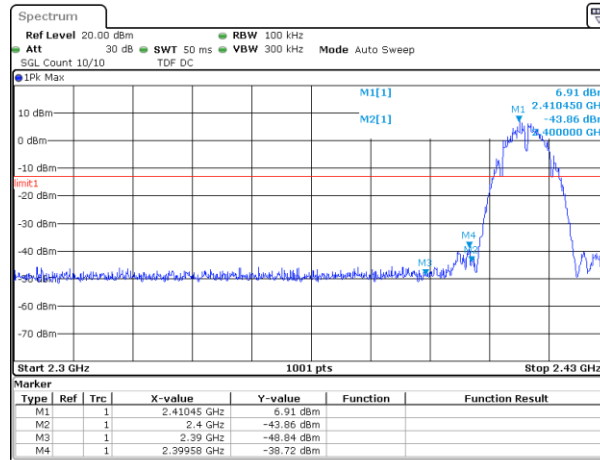
Appendix E: Band edge measurements

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	6.91	-38.72	≤-23.09	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	7.04	-45.77	≤-22.96	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	2.61	-28.59	≤-27.39	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	3.81	-42.74	≤-26.19	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	2.53	-28.14	≤-27.47	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	2.65	-40.67	≤-27.35	Pass

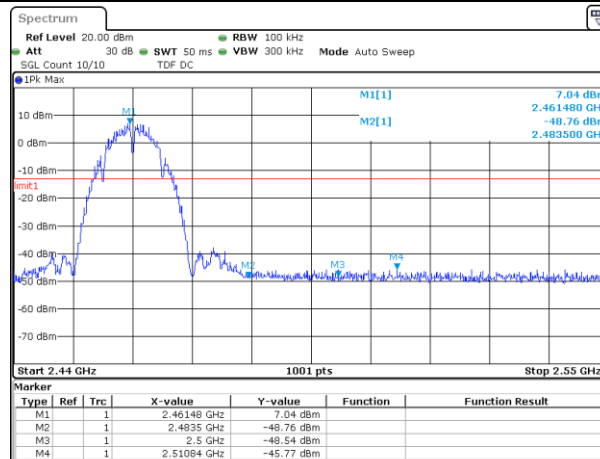
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



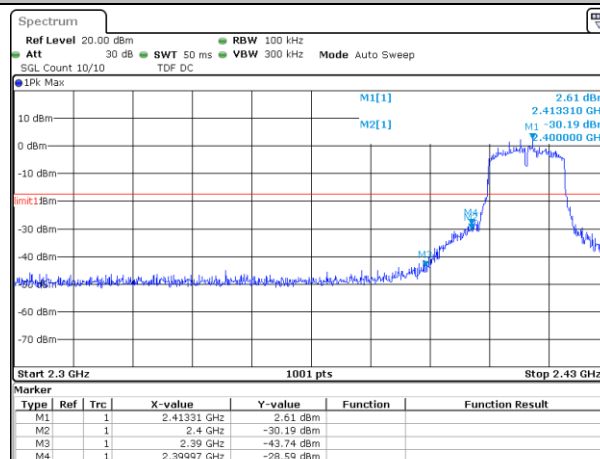
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



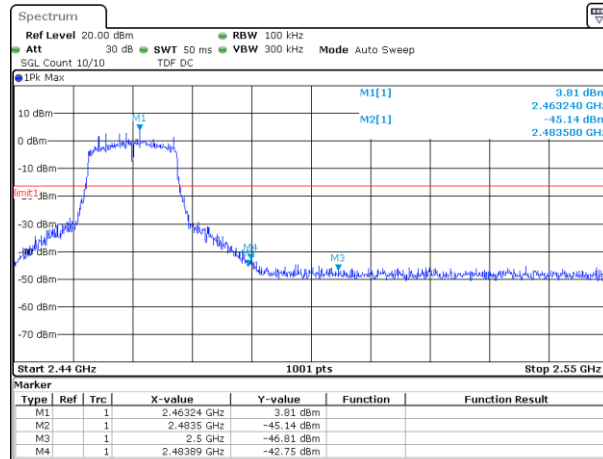
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



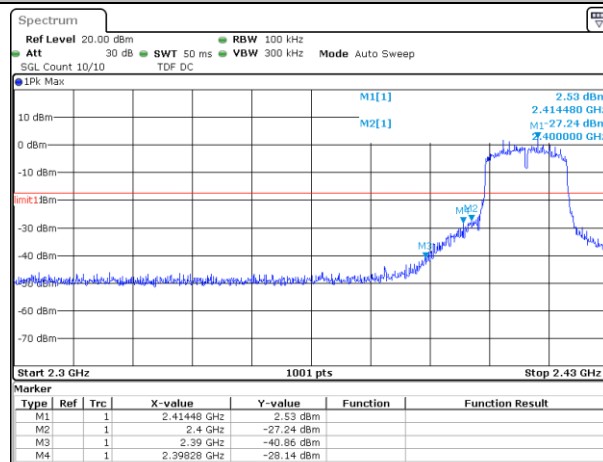
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



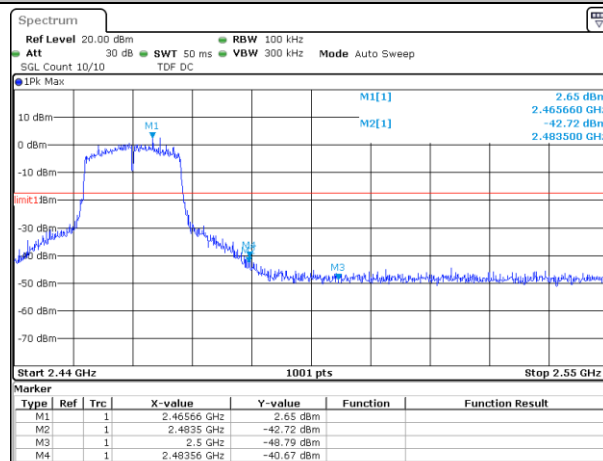
Date: 17.AUG.2026 10:43:51

NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 17.AUG.2026 10:47:35

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 17.AUG.2026 10:56:34

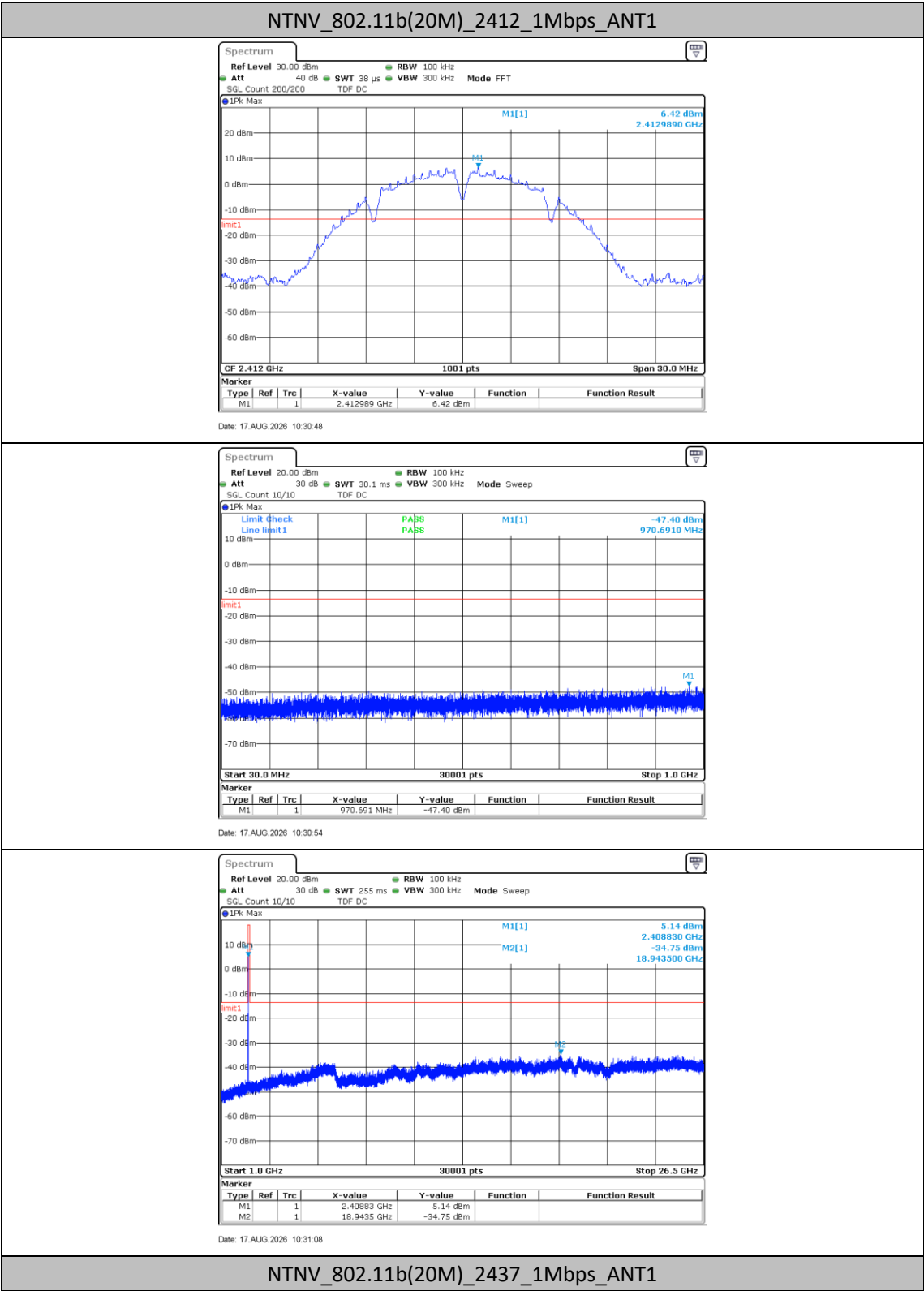
Appendix F: Conducted Spurious Emission

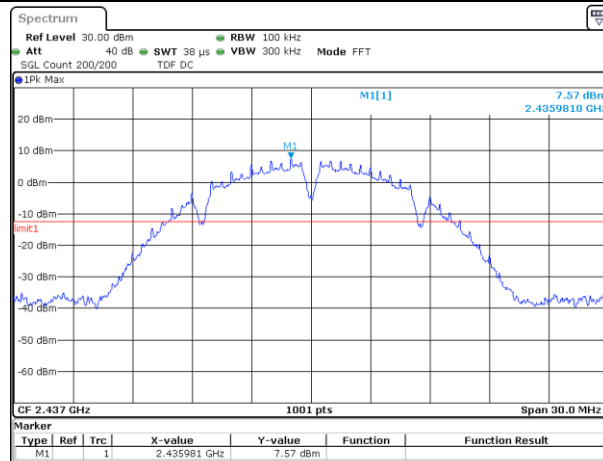
Test Result

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	6.42	/	PASS
						30~1000	0.1	-47.40	≤-23.58	Pass
						1000~26500	0.1	-34.75	≤-23.58	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	7.57	/	PASS
						30~1000	0.1	-47.12	≤-22.43	Pass
						1000~26500	0.1	-34.35	≤-22.43	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	7.88	/	PASS
						30~1000	0.1	-47.55	≤-22.12	Pass
						1000~26500	0.1	-34.88	≤-22.12	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	3.02	/	PASS
						30~1000	0.1	-47.44	≤-26.98	Pass
						1000~26500	0.1	-26.84	≤-26.98	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	2.72	/	PASS
						30~1000	0.1	-47.25	≤-27.28	Pass
						1000~26500	0.1	-34.79	≤-27.28	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	0.87	/	PASS
						30~1000	0.1	-47.17	≤-29.13	Pass
						1000~26500	0.1	-34.82	≤-29.13	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	1.75	/	PASS
						30~1000	0.1	-47.15	≤-28.25	Pass
						1000~26500	0.1	-28.48	≤-28.25	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	1.37	/	PASS
						30~1000	0.1	-47.12	≤-28.63	Pass
						1000~26500	0.1	-35.03	≤-28.63	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	3.72	/	PASS

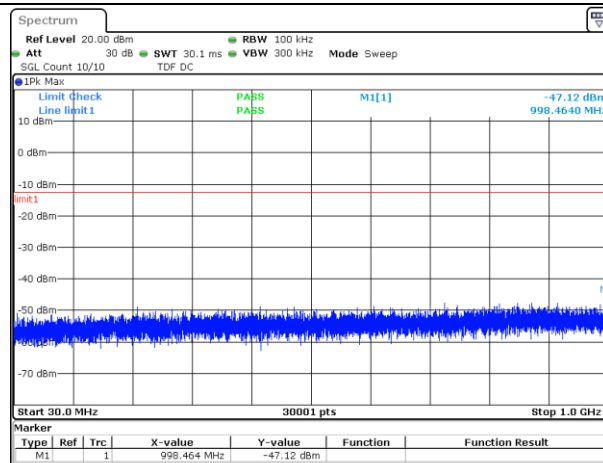
						30~1000	0.1	-47.41	≤ -26.28	Pass
						1000~26500	0.1	-35.00	≤ -26.28	Pass

Test Graphs

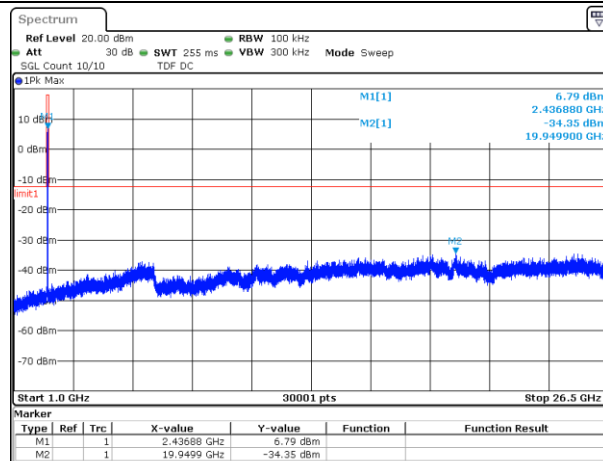




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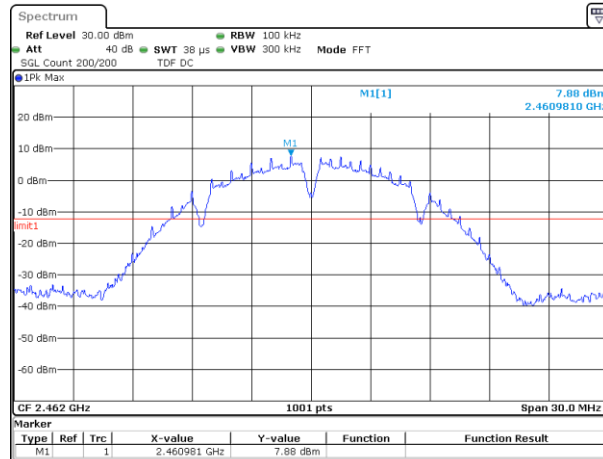


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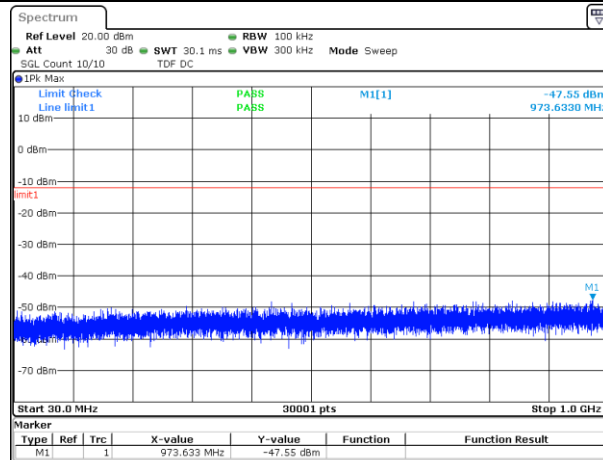


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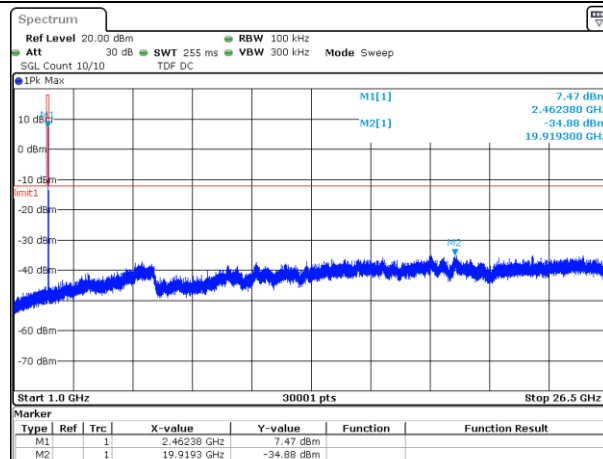
NTNV_802.11b(20M)_2462_1Mbps_ANT1



Date: 17 AUG 2026 10:36:04

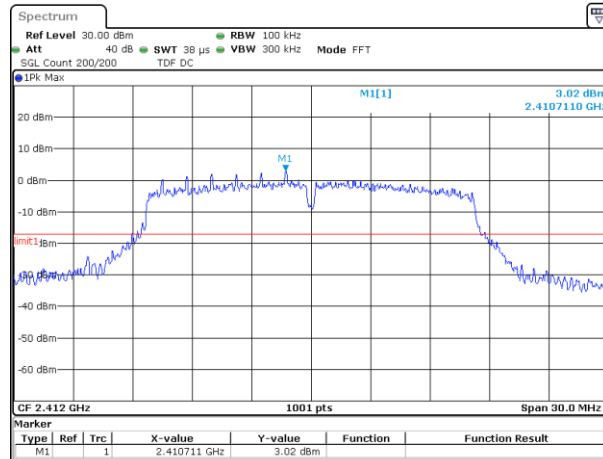


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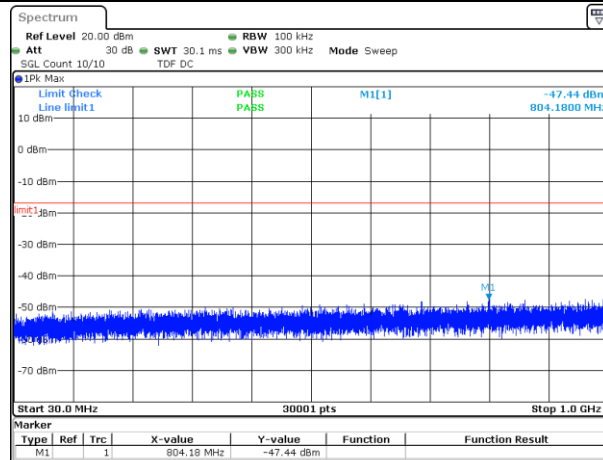


Date: 17 AUG 2026 10:36:24

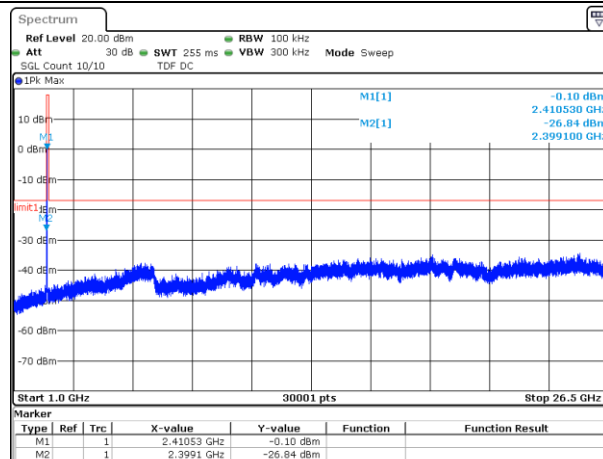
NTNV_802.11g(20M)_2412_6Mbps_ANT1



Date: 17 AUG 2026 10:38:47

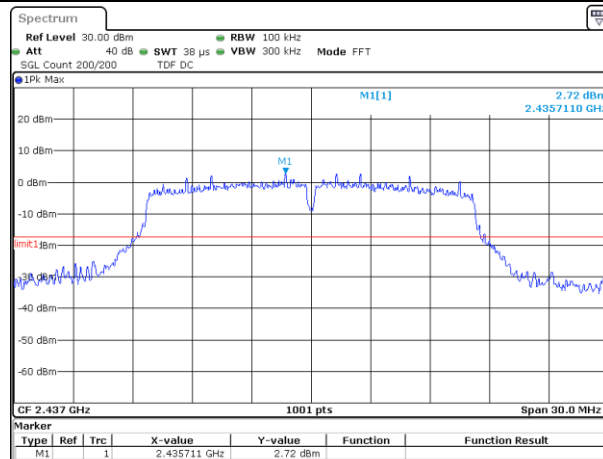


Date: 17 AUG 2026 10:38:53

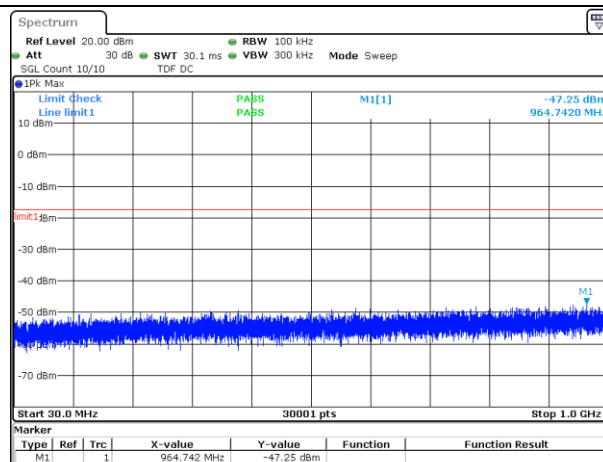


Date: 17 AUG 2026 10:39:08

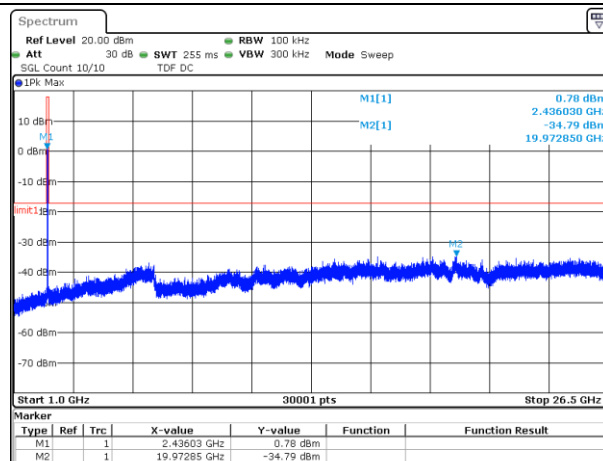
NTNV_802.11g(20M)_2437_6Mbps_ANT1



Date: 17.AUG.2026 10:41:25

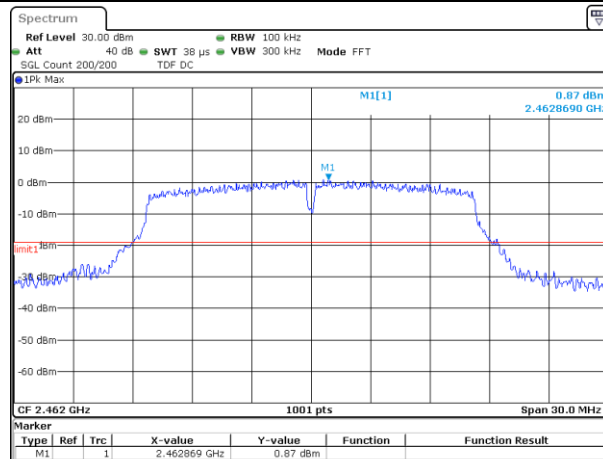


Date: 17.AUG.2026 10:41:31

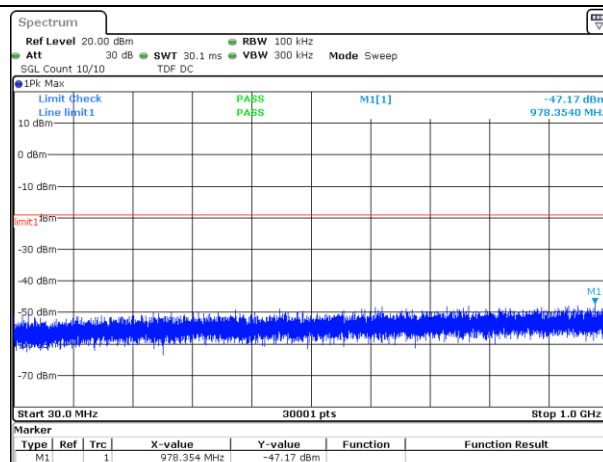


Date: 17.AUG.2026 10:41:45

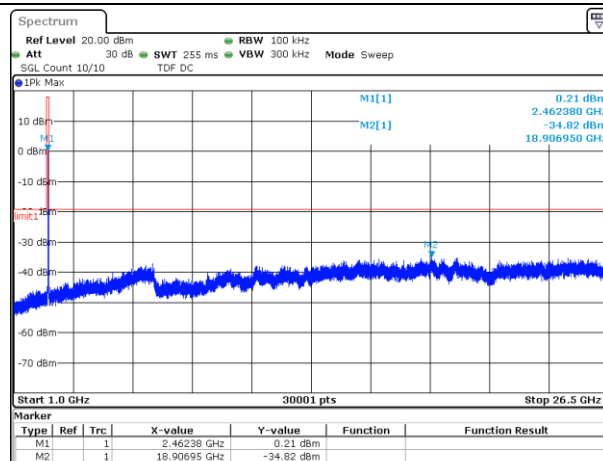
NTNV_802.11g(20M)_2462_6Mbps_ANT1



Date: 17.AUG.2026 10:43:56

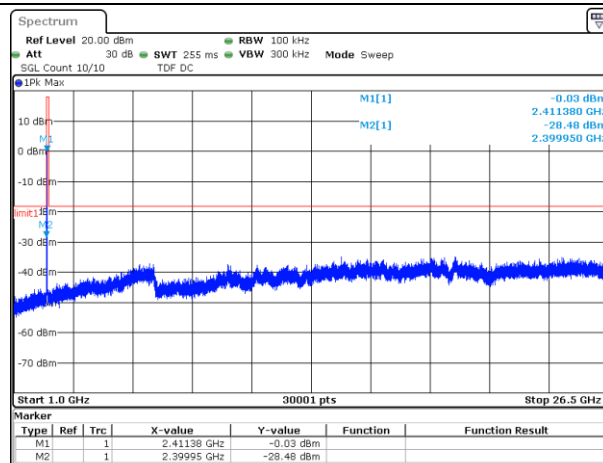
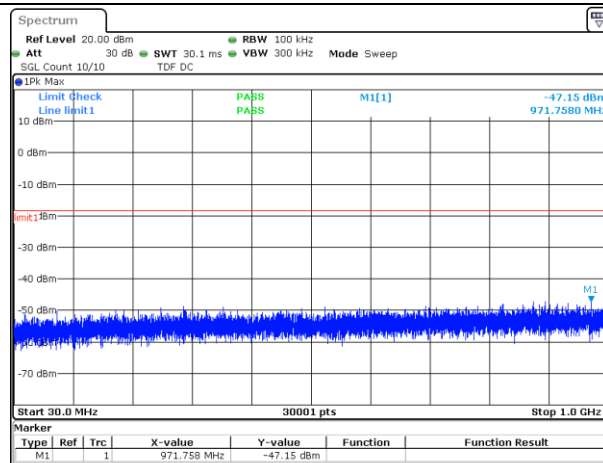
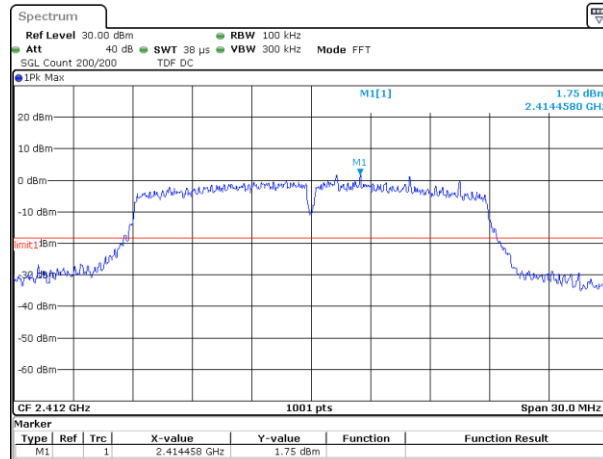


Date: 17.AUG.2026 10:44:02

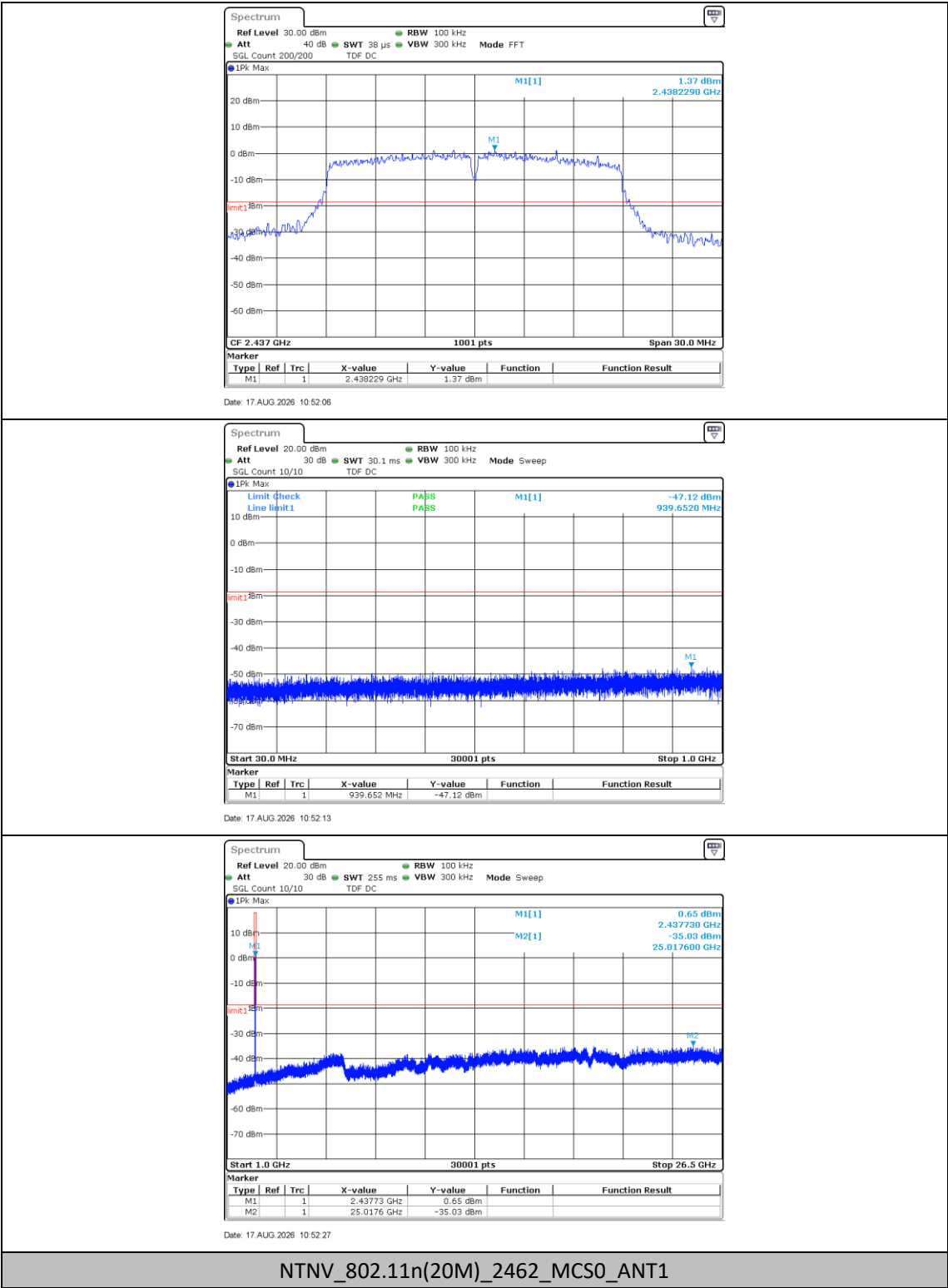


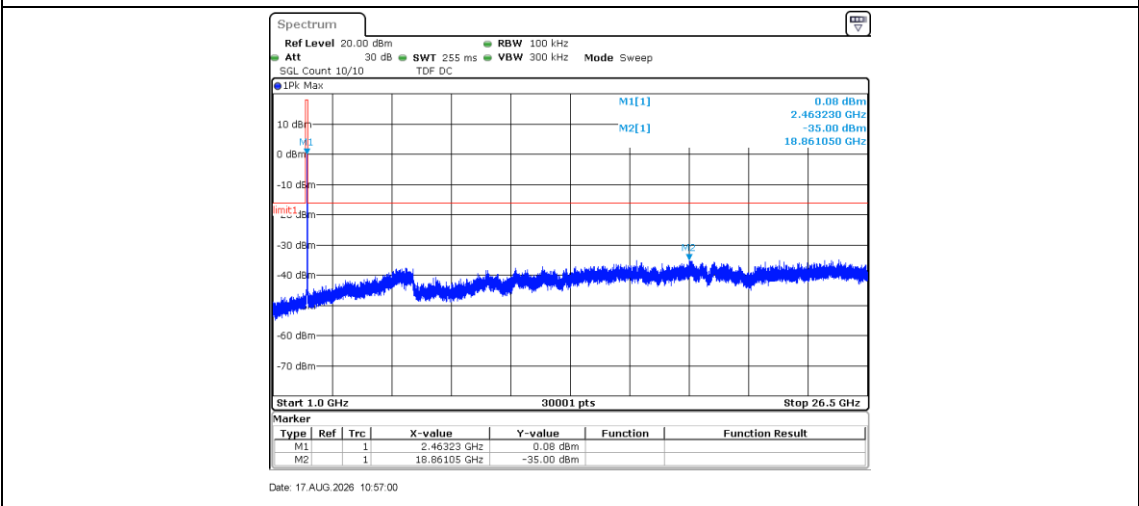
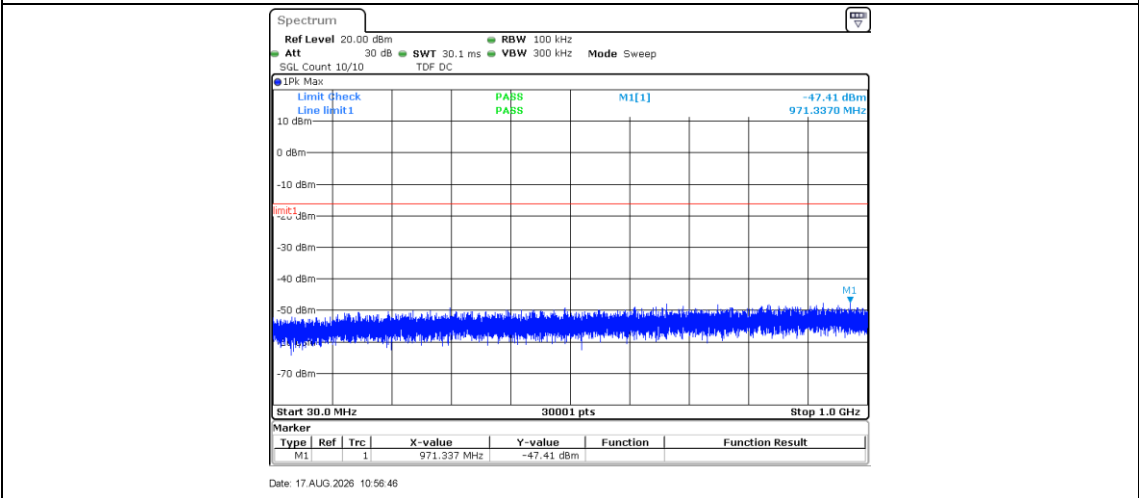
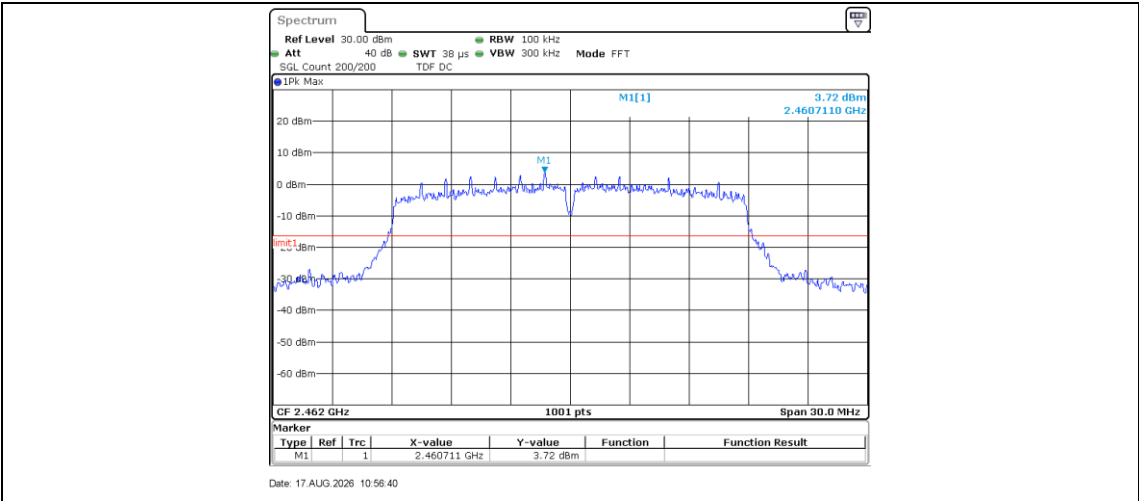
Date: 17.AUG.2026 10:44:16

NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



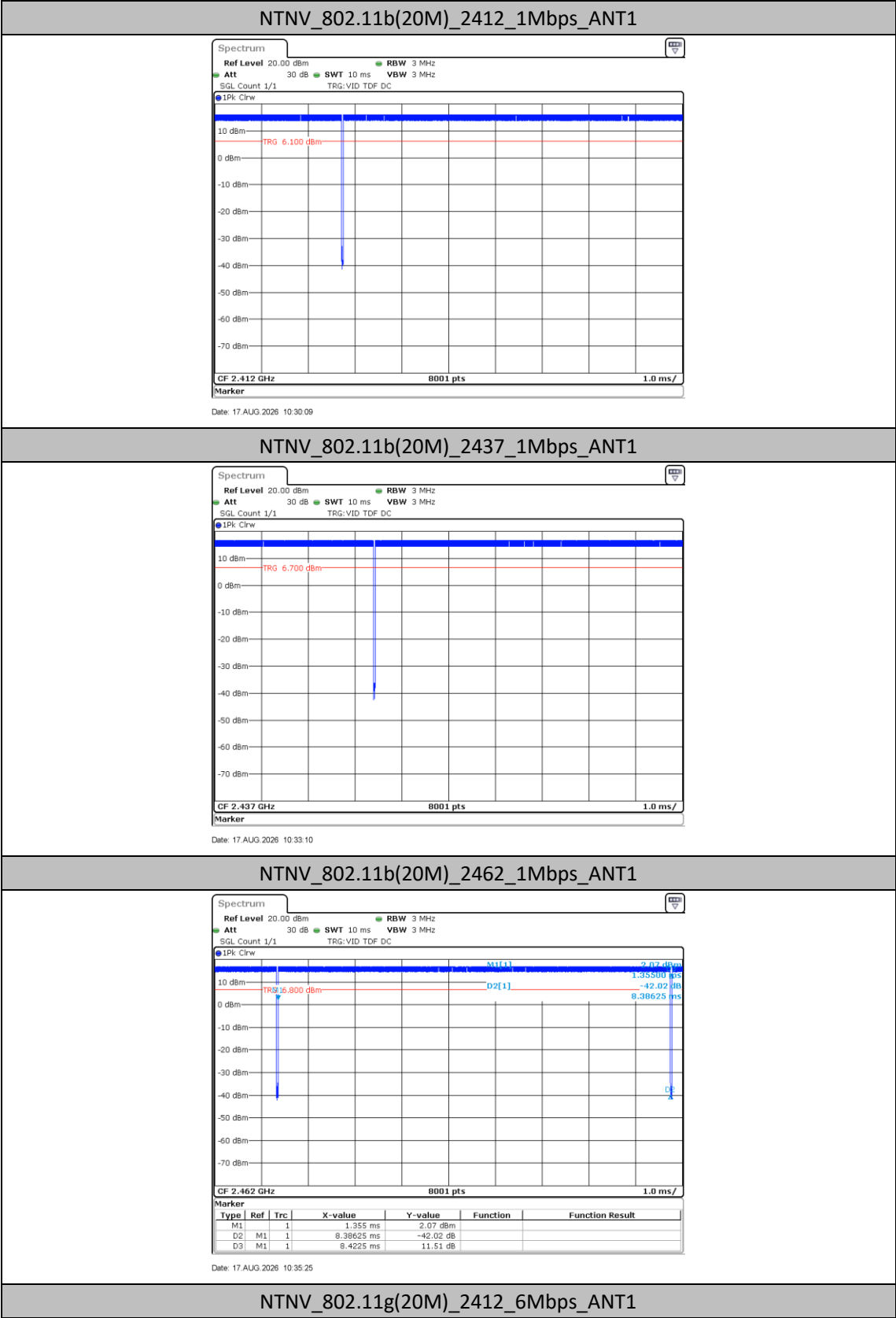


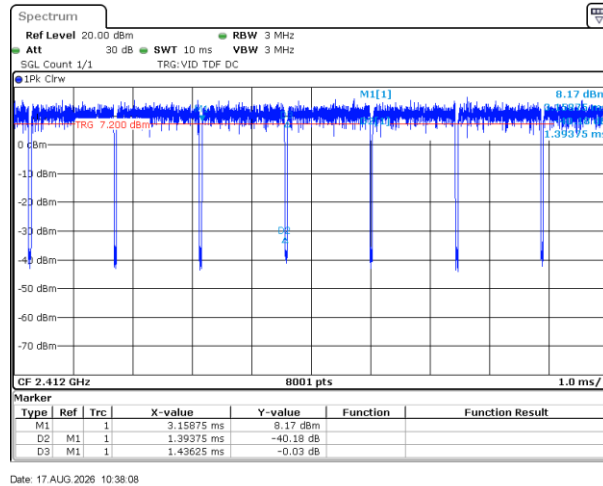
Appendix G: Duty Cycle

Test Result

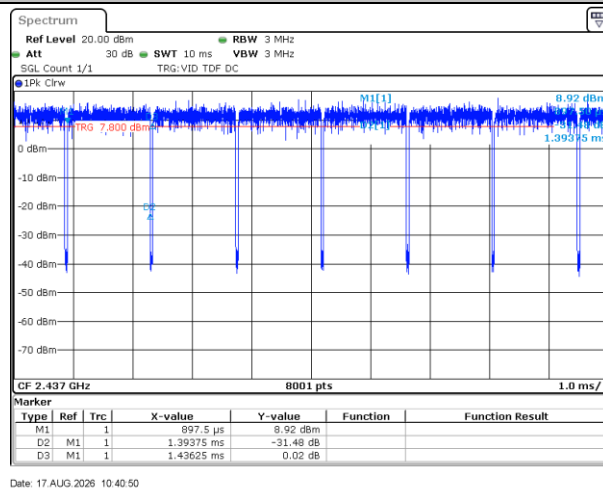
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	0.00	7.25	1.00	100.00
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	0.00	6.57	1.00	100.00
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	8.39	8.42	1.00	99.57
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	1.39	1.44	0.97	97.04
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	1.39	1.44	0.97	97.04
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	1.39	1.44	0.97	97.04
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	1.30	1.34	0.97	96.84
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	1.30	1.34	0.97	96.84
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	1.30	1.34	0.97	96.84

Test Graphs

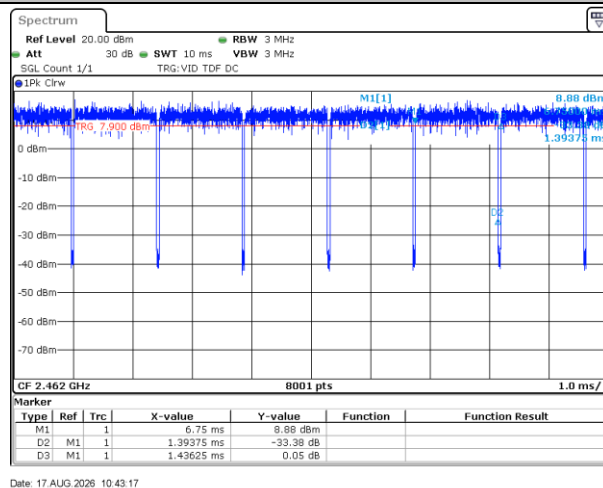




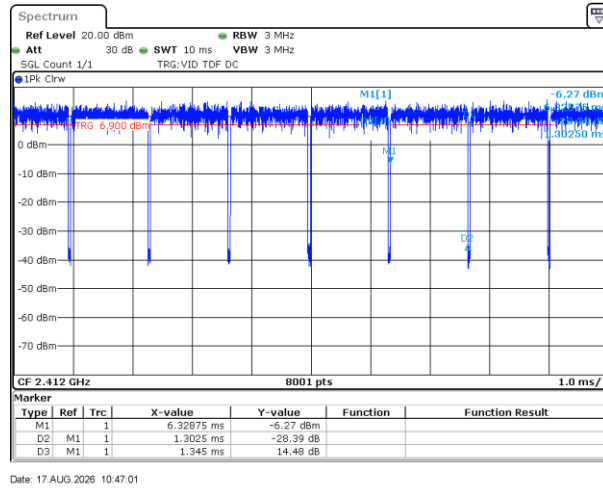
NTNV_802.11g(20M)_2437_6Mbps_ANT1



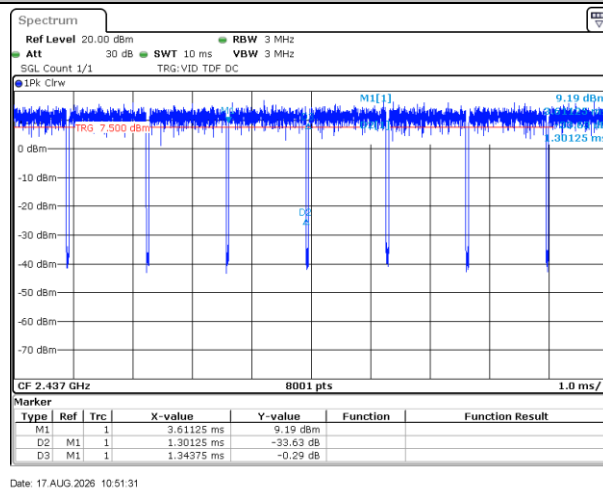
NTNV_802.11g(20M)_2462_6Mbps_ANT1



NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

