



CQASZ20260701640E-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

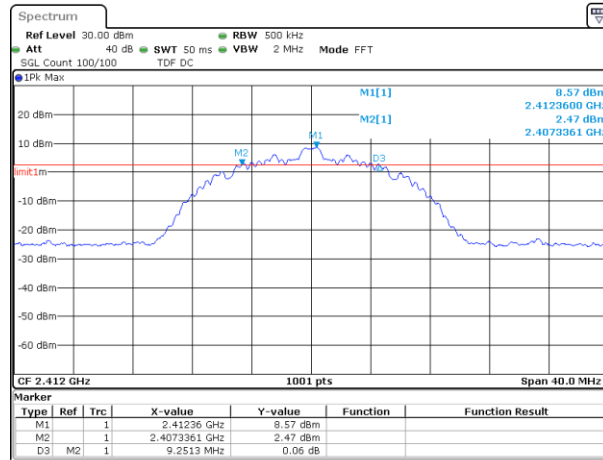
Appendix A: DTS Bandwidth

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	9.21	2432.00	2442.00	≥ 0.5	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	9.26	2457.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.87	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.29	2429.00	2445.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.88	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	16.20	2404.00	2420.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	16.14	2429.00	2445.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	17.11	2454.00	2471.00	≥ 0.5	Pass

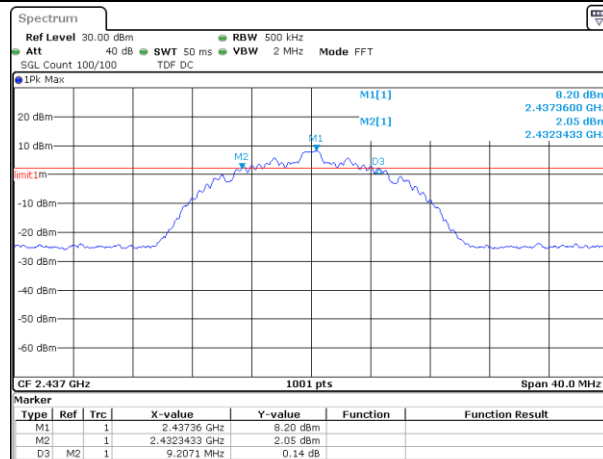
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



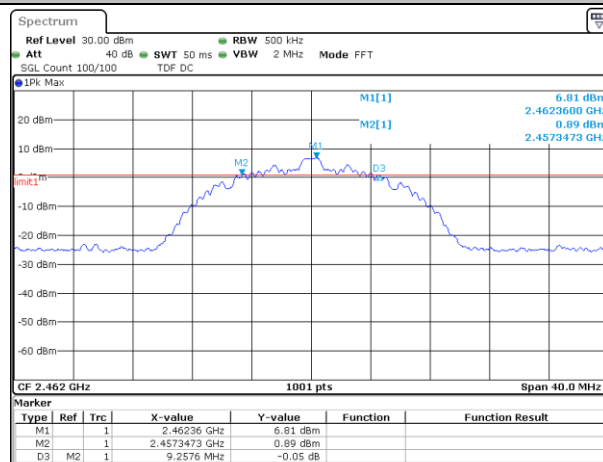
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



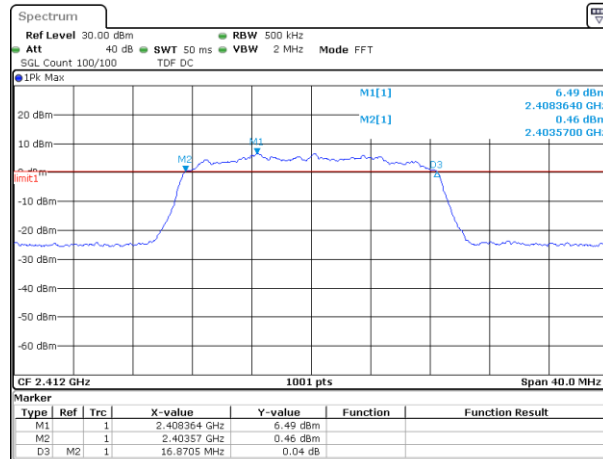
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



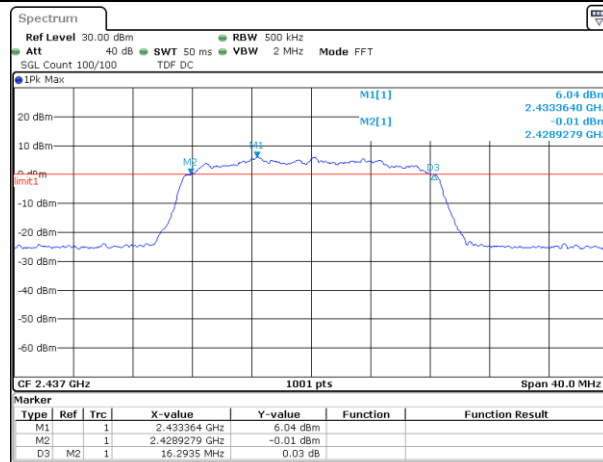
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



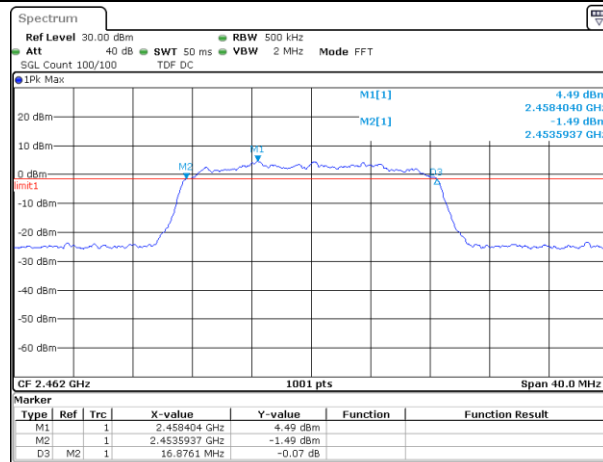
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NTNV_802.11g(20M)_2437_6Mbps_ANT1



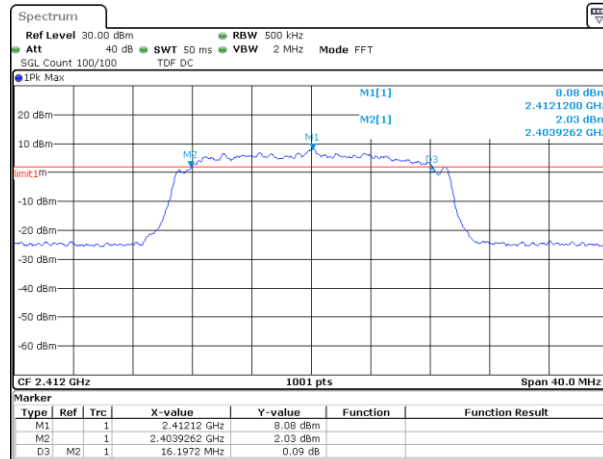
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



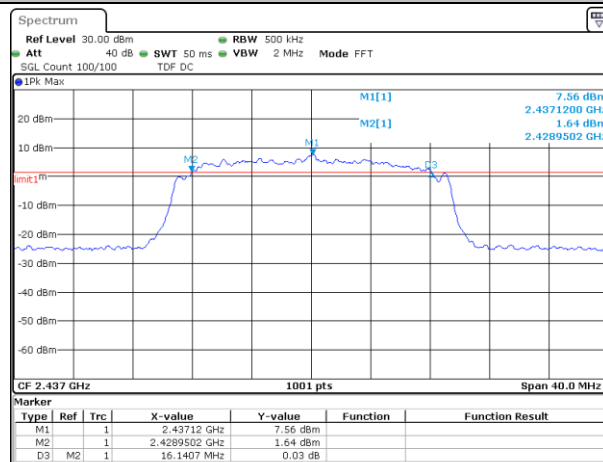
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NTNV_802.11n(20M)_2412_MCS0_ANT1



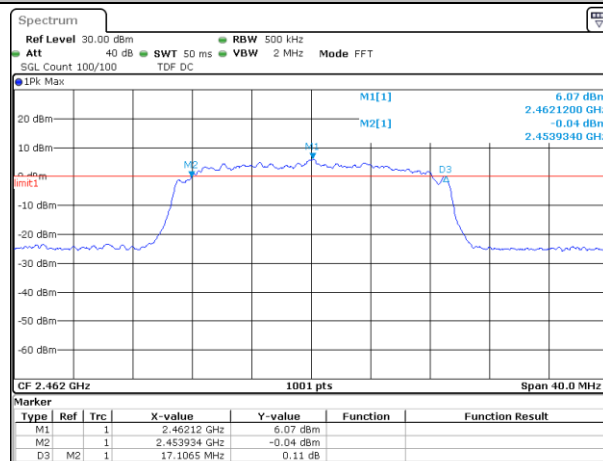
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NTNV_802.11n(20M)_2437_MCS0_ANT1



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NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 2 AUG 2026 21:40:35

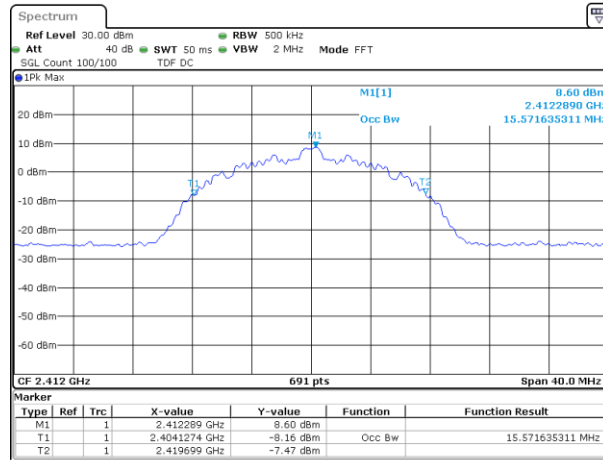
Appendix B: Occupied Channel Bandwidth

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	15.57	≥ 0.5	2404.00	2420.00	Pass
2	NTNV	802.11b(20 M)	2437	1Mbps	ANT1	15.46	≥ 0.5	2429.00	2445.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	ANT1	15.80	≥ 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	18.18	≥ 0.5	2428.00	2446.00	Pass
9	NTNV	802.11n(20 M)	2462	MCS0	ANT1	18.29	≥ 0.5	2453.00	2471.00	Pass

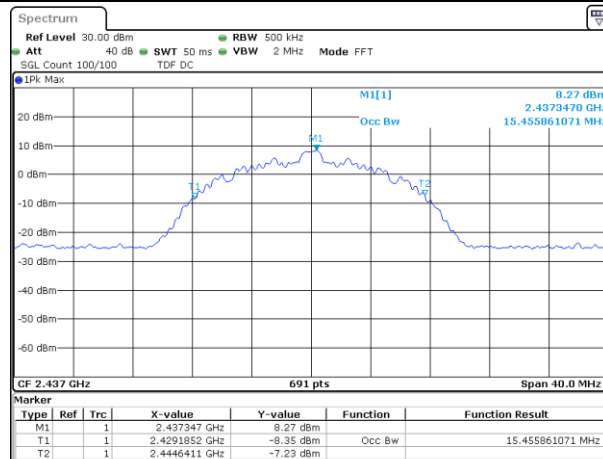
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



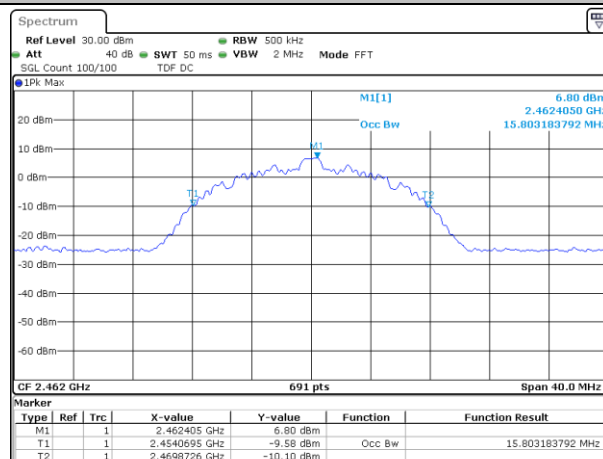
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



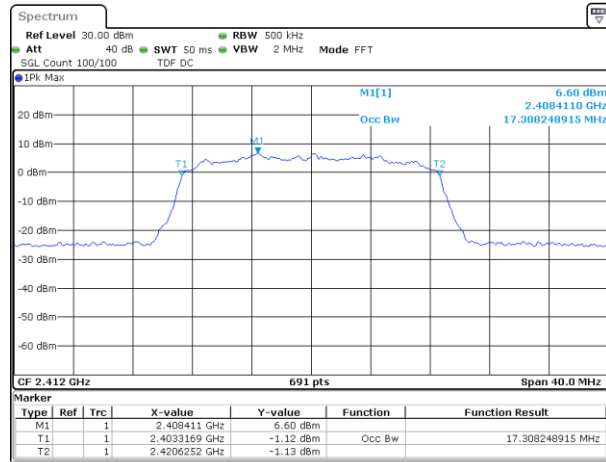
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



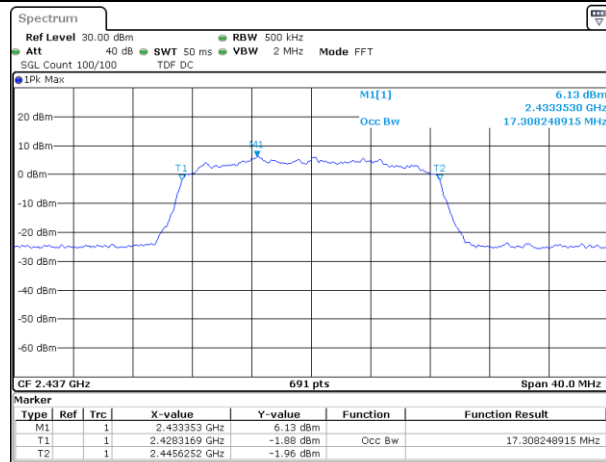
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



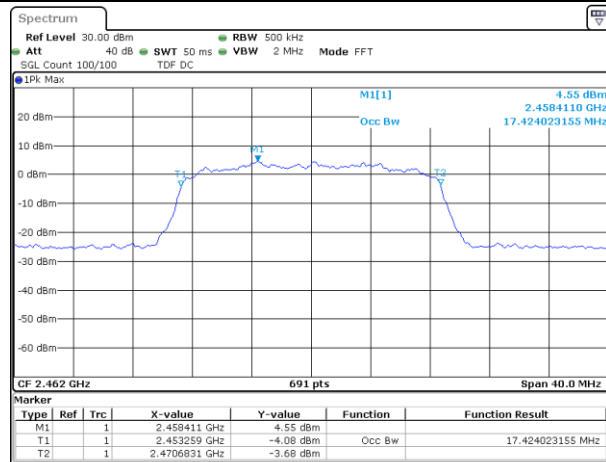
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NTNV_802.11g(20M)_2437_6Mbps_ANT1



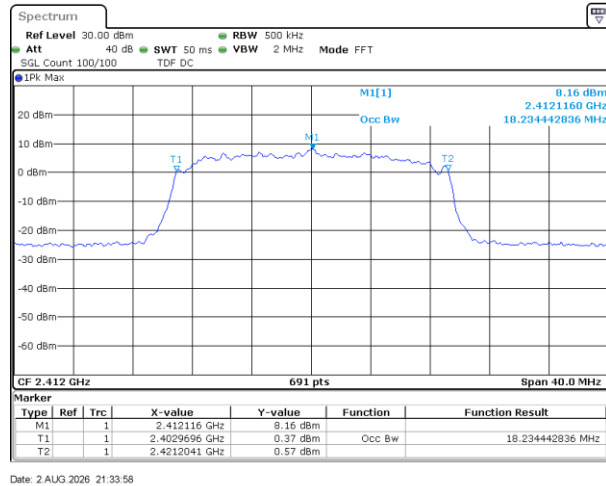
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NTNV_802.11g(20M)_2462_6Mbps_ANT1

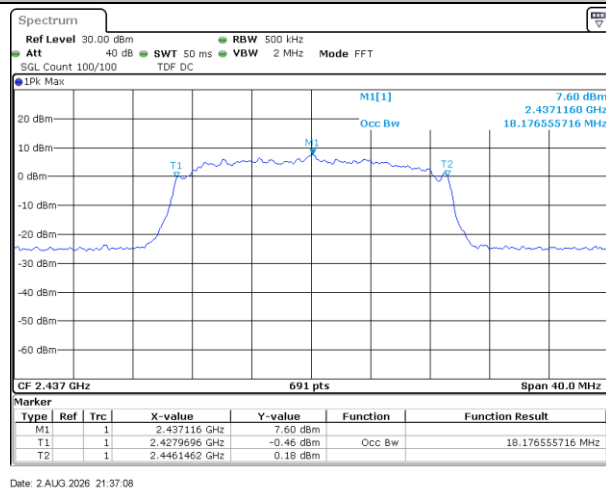


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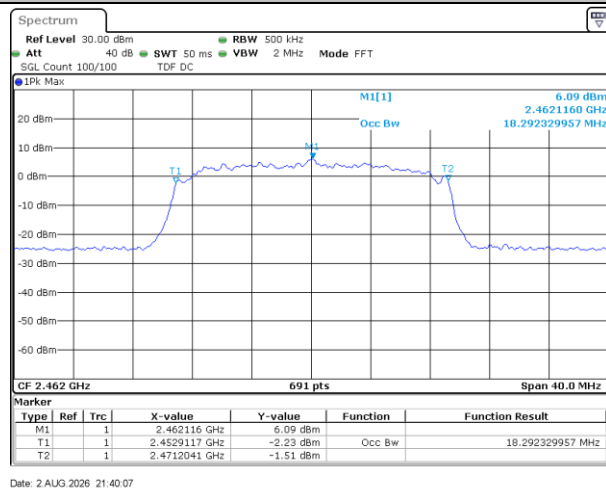
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



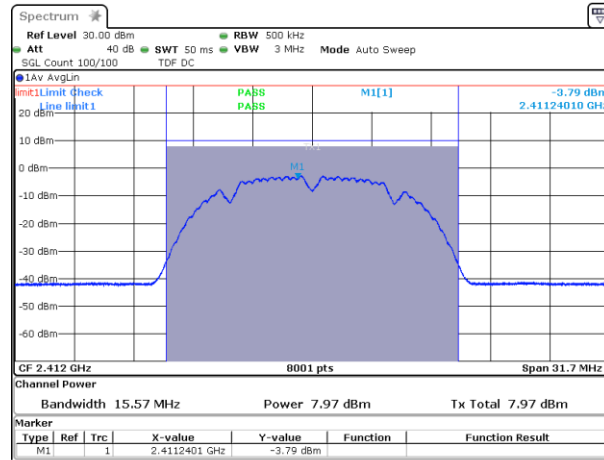
Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
1	NTNV	802.11b(20 M)	2412	AVER	ANT1	7.97	≤30	4.50	12.47	≤36	Pass
2	NTNV	802.11b(20 M)	2437	AVER	ANT1	7.50	≤30	4.50	12.00	≤36	Pass
3	NTNV	802.11b(20 M)	2462	AVER	ANT1	6.22	≤30	4.50	10.72	≤36	Pass
4	NTNV	802.11g(20 M)	2412	AVER	ANT1	6.06	≤30	4.50	10.56	≤36	Pass
5	NTNV	802.11g(20 M)	2437	AVER	ANT1	5.48	≤30	4.50	9.98	≤36	Pass
6	NTNV	802.11g(20 M)	2462	AVER	ANT1	4.12	≤30	4.50	8.62	≤36	Pass
7	NTNV	802.11n(20 M)	2412	AVER	ANT1	7.17	≤30	4.50	11.67	≤36	Pass
8	NTNV	802.11n(20 M)	2437	AVER	ANT1	6.60	≤30	4.50	11.10	≤36	Pass
9	NTNV	802.11n(20 M)	2462	AVER	ANT1	5.16	≤30	4.50	9.66	≤36	Pass

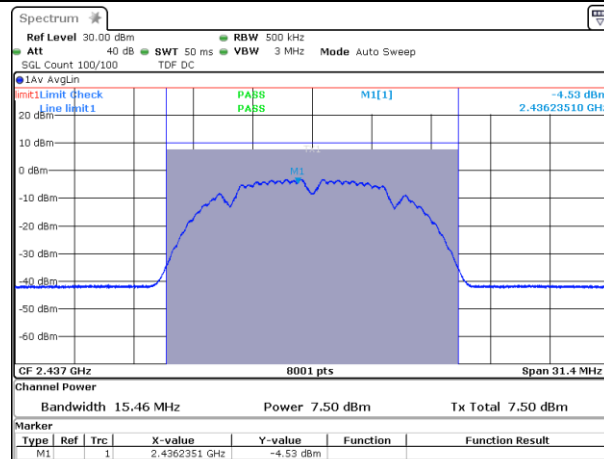
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



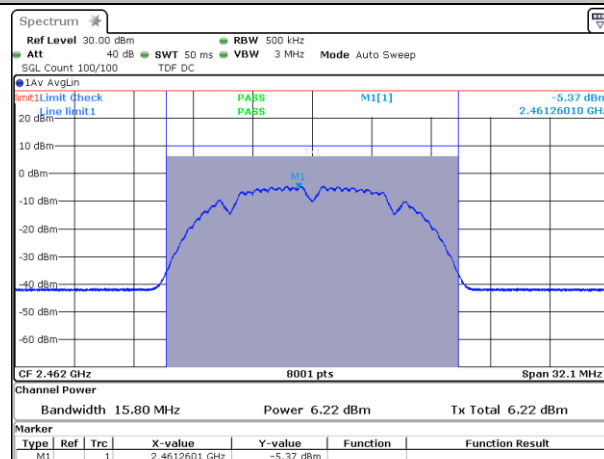
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



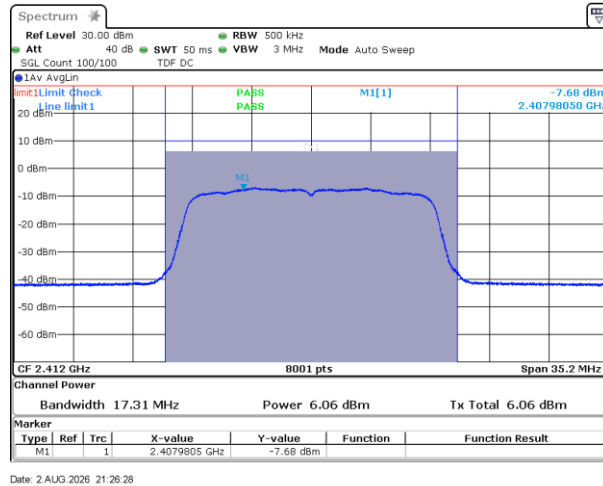
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

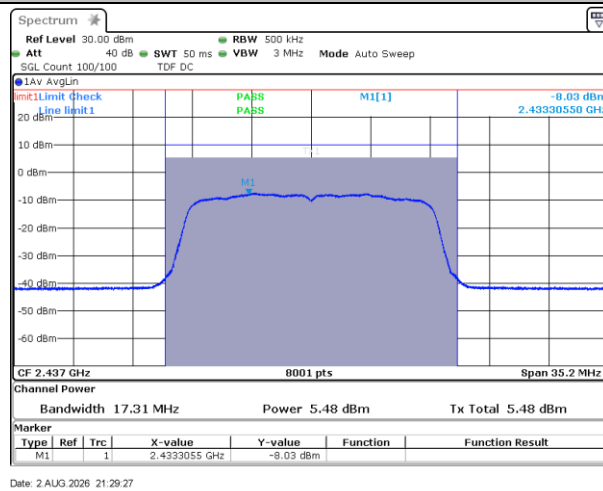


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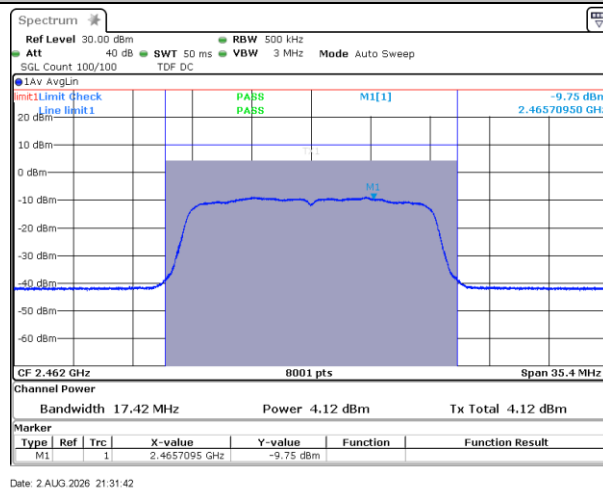
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



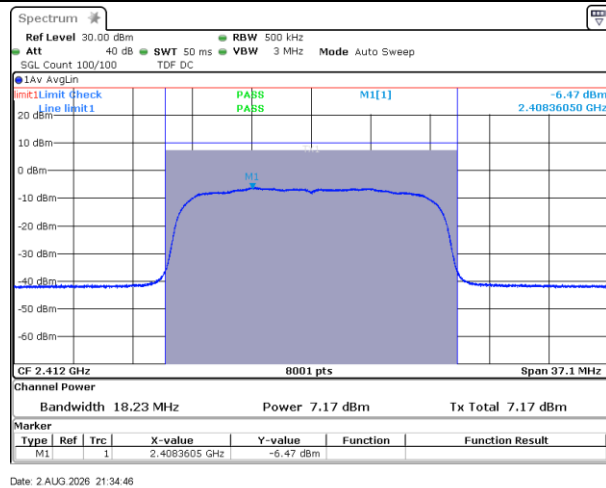
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



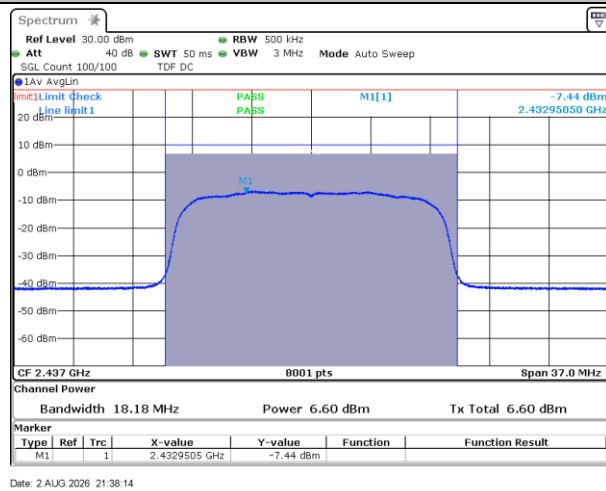
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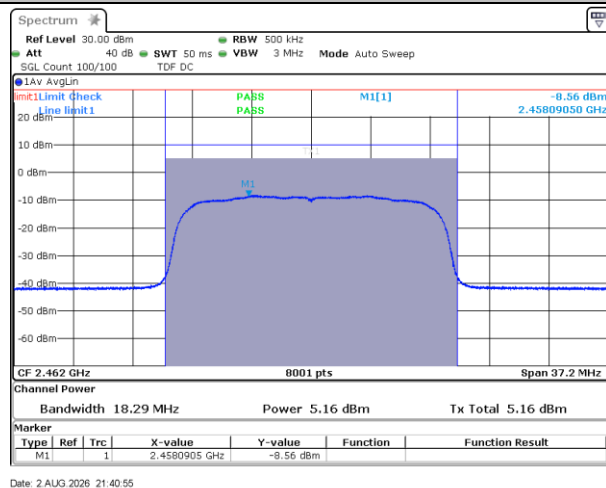
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



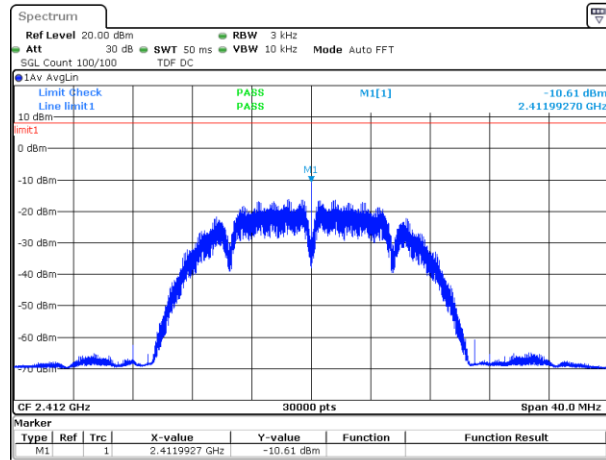
Appendix D: Maximum power spectral density

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	-10.61	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-11.18	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-12.40	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-16.41	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-15.49	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-17.61	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-16.30	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-17.29	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-18.81	≤ 8	Pass

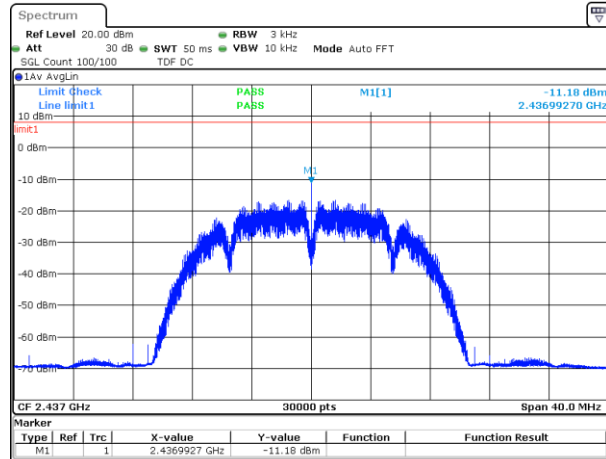
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



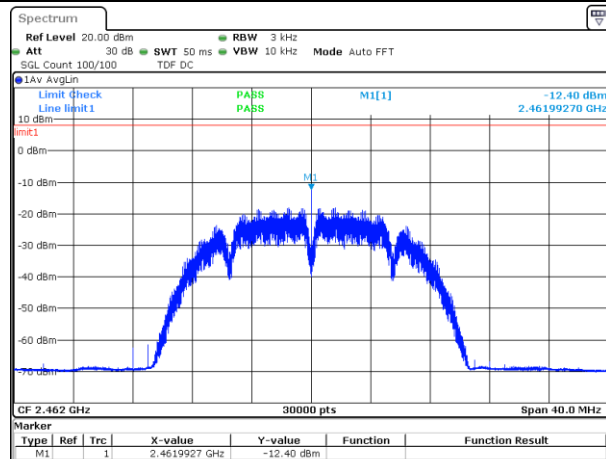
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



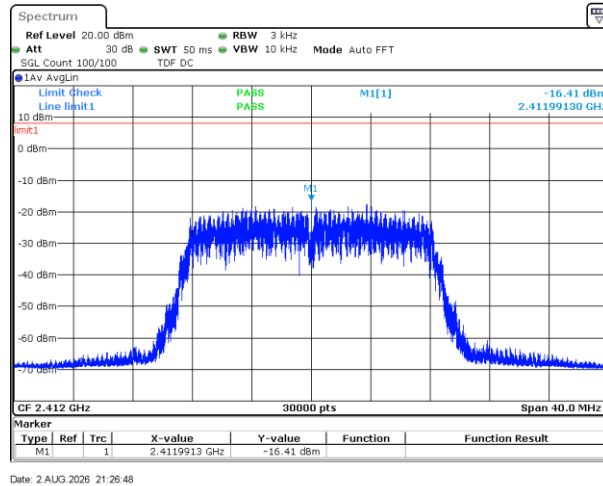
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

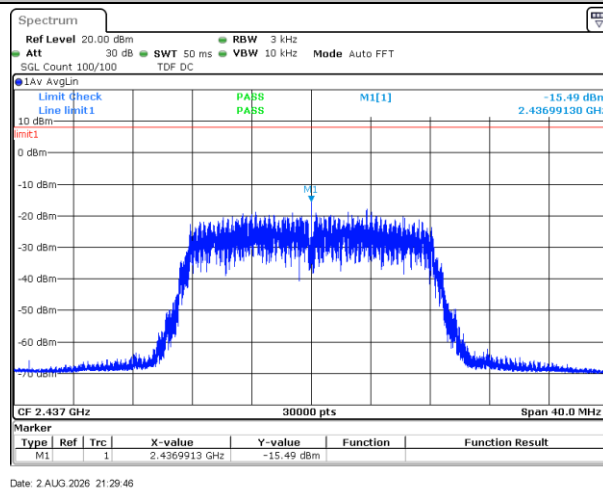


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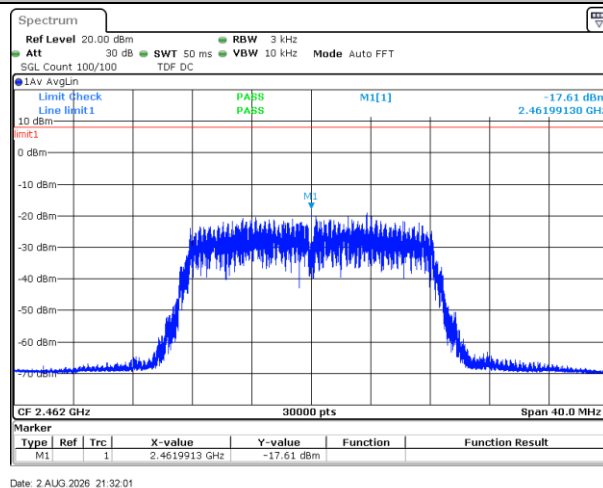
NTNV_802.11g(20M)_2412_6Mbps_ANT1



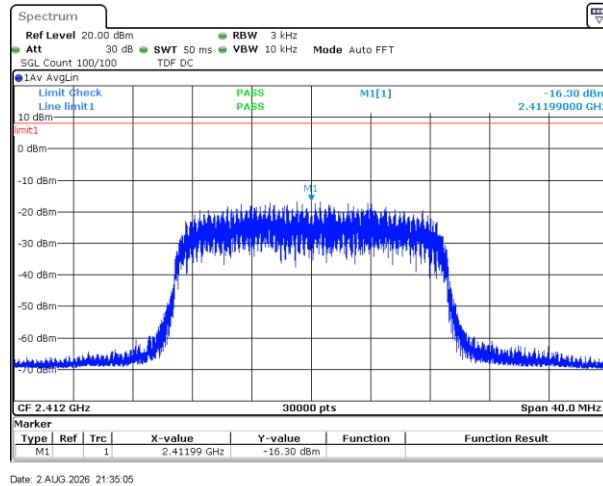
NTNV_802.11g(20M)_2437_6Mbps_ANT1



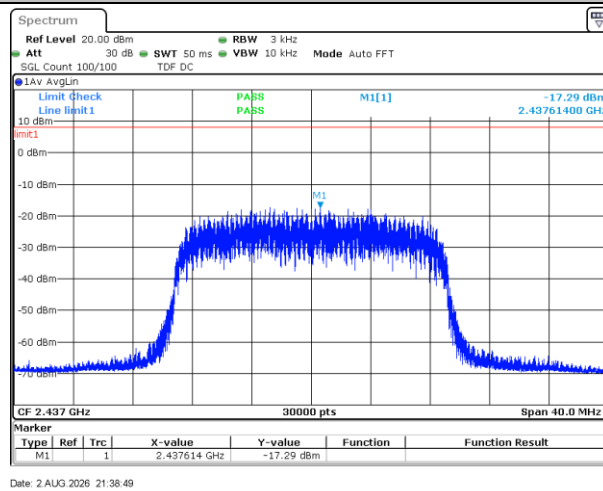
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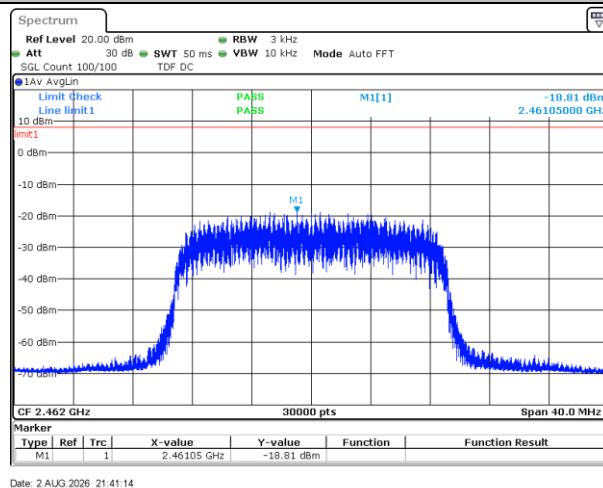
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



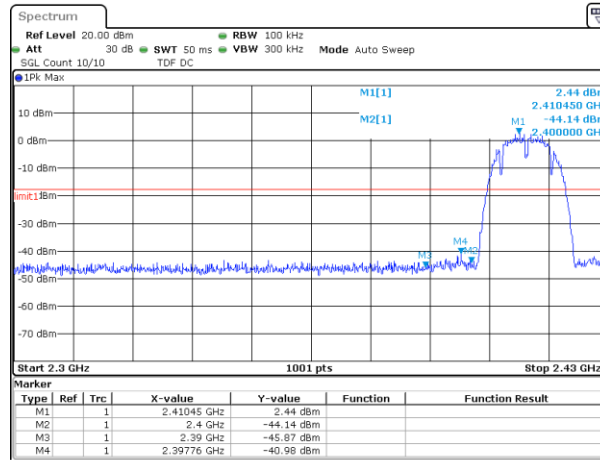
Appendix E: Band edge measurements

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	2.44	-40.98	≤ -27.56	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	0.73	-42.41	≤ -29.27	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	0.49	-41.53	≤ -29.51	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-1.12	-41.32	≤ -31.12	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	1.77	-41.52	≤ -28.23	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-0.29	-42.04	≤ -30.29	Pass

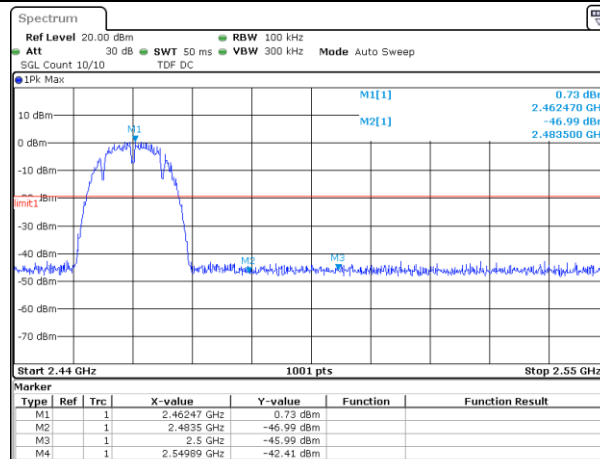
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



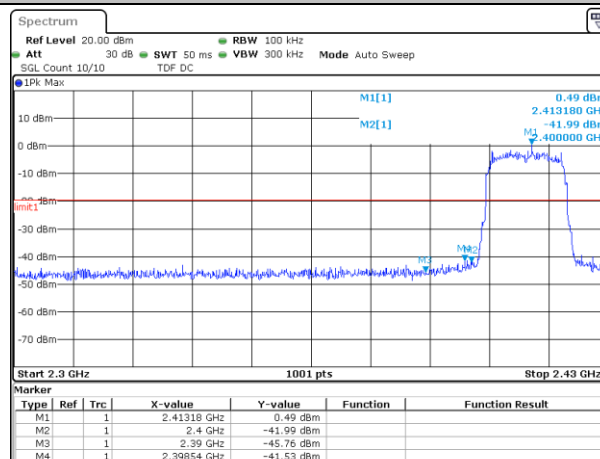
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



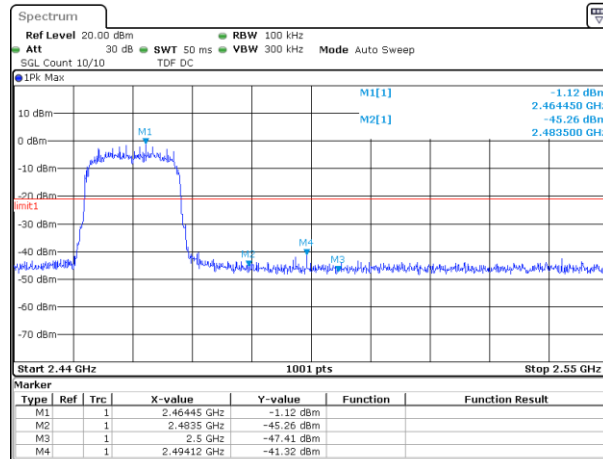
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



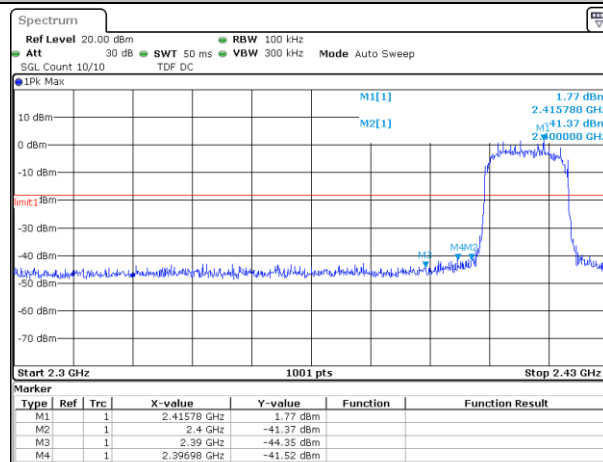
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



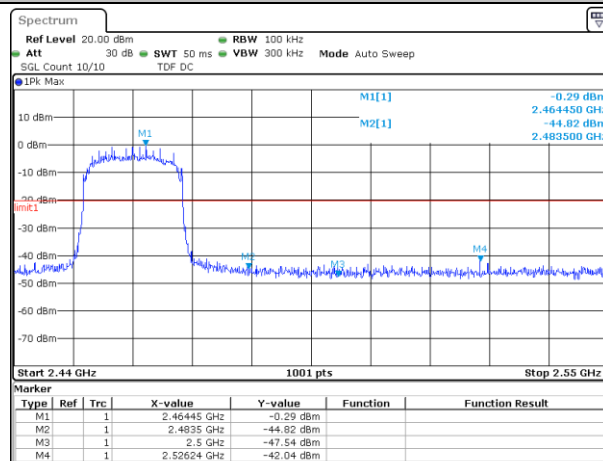
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NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 2 AUG 2026 21:35:09

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 2 AUG 2026 21:41:18

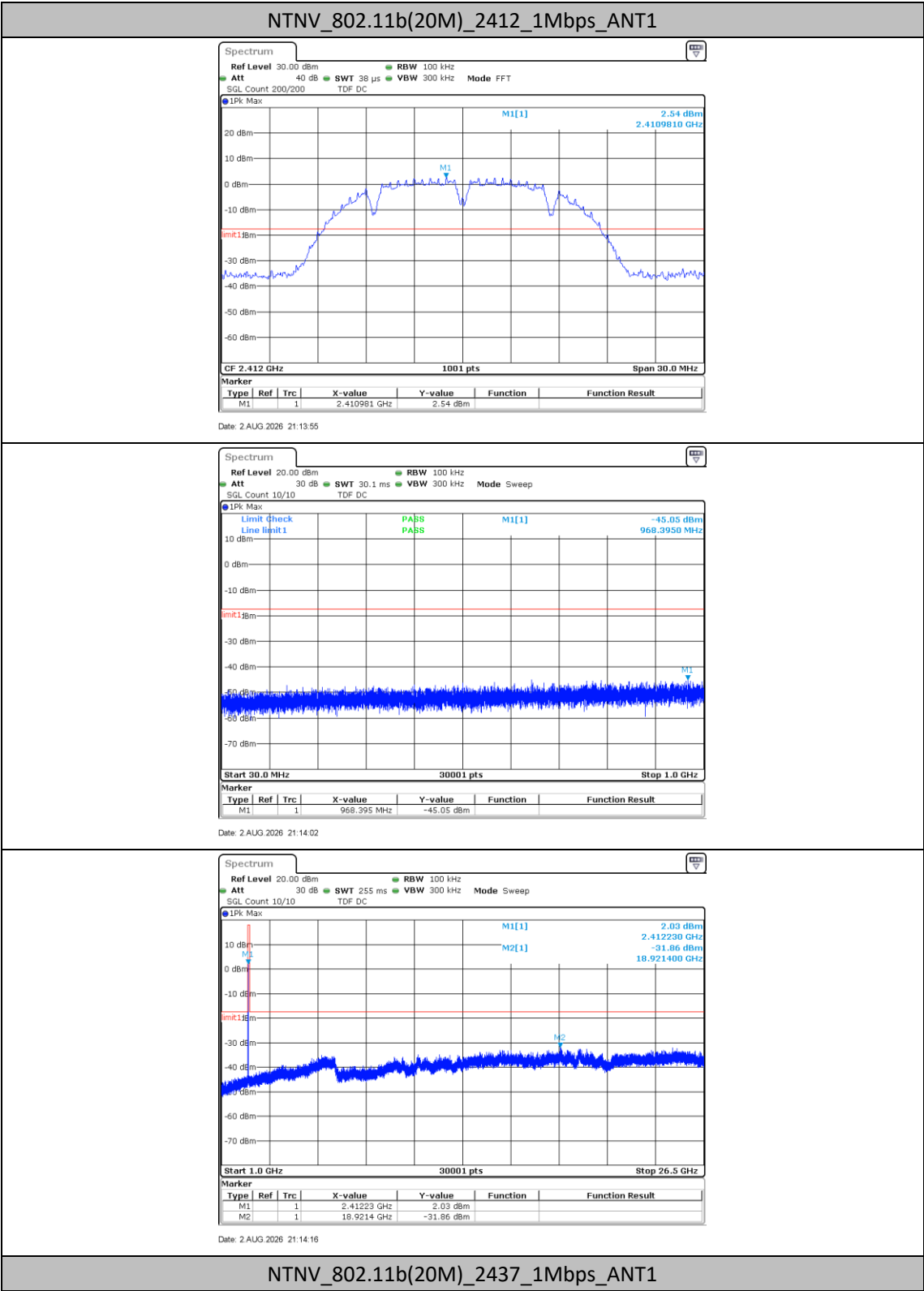
Appendix F: Conducted Spurious Emission

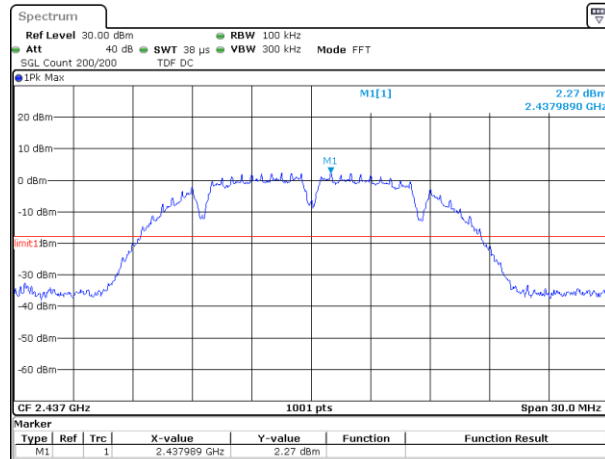
Test Result

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	2.54	/	PASS
						30~1000	0.1	-45.05	≤-27.46	Pass
						1000~26500	0.1	-31.86	≤-27.46	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	2.27	/	PASS
						30~1000	0.1	-44.36	≤-27.73	Pass
						1000~26500	0.1	-32.55	≤-27.73	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	0.99	/	PASS
						30~1000	0.1	-44.60	≤-29.01	Pass
						1000~26500	0.1	-32.52	≤-29.01	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	0.72	/	PASS
						30~1000	0.1	-43.63	≤-29.28	Pass
						1000~26500	0.1	-32.13	≤-29.28	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	-0.08	/	PASS
						30~1000	0.1	-45.16	≤-30.08	Pass
						1000~26500	0.1	-32.05	≤-30.08	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-0.98	/	PASS
						30~1000	0.1	-44.11	≤-30.98	Pass
						1000~26500	0.1	-32.73	≤-30.98	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	2.12	/	PASS
						30~1000	0.1	-44.88	≤-27.88	Pass
						1000~26500	0.1	-31.66	≤-27.88	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	1.24	/	PASS
						30~1000	0.1	-44.69	≤-28.76	Pass
						1000~26500	0.1	-32.37	≤-28.76	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	0.12	/	PASS

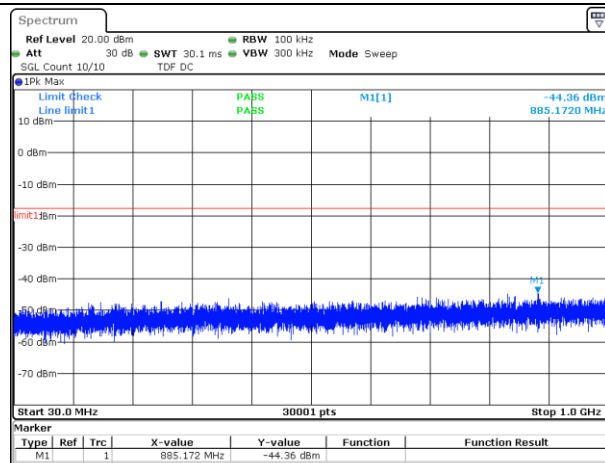
						30~1000	0.1	-44.91	≤ -29.88	Pass
						1000~26500	0.1	-32.22	≤ -29.88	Pass

Test Graphs

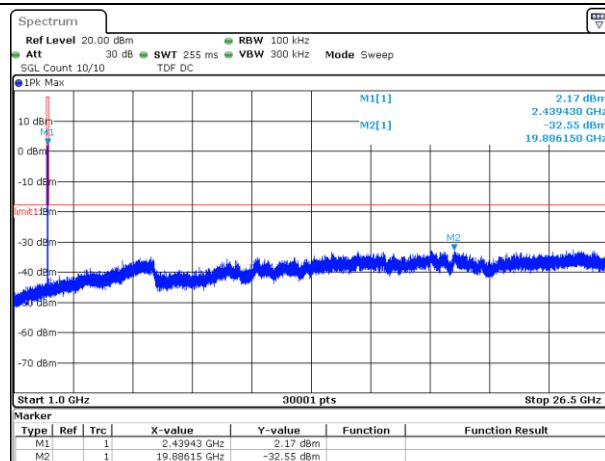




Date: 2 AUG 2026 21:17:13

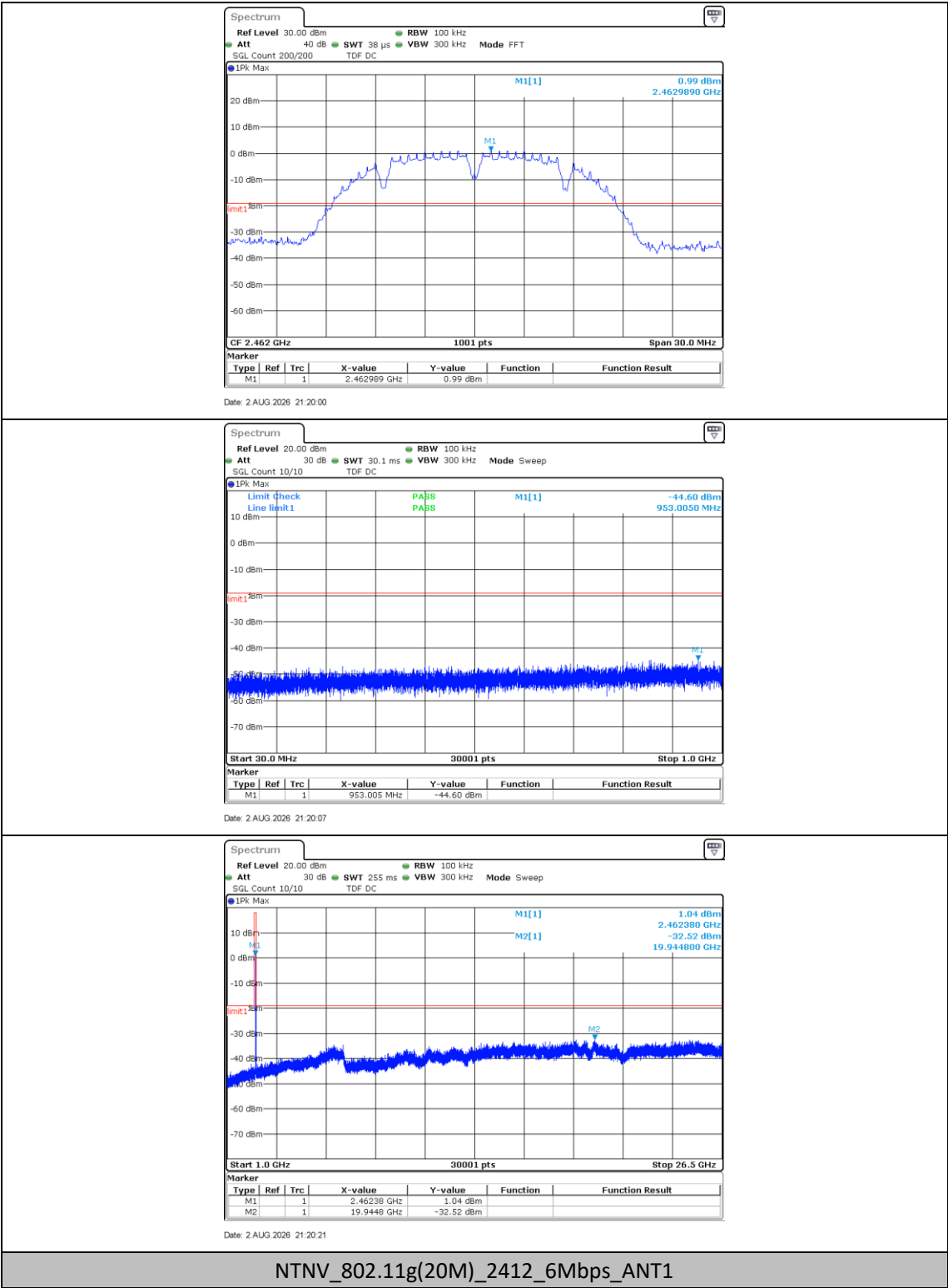


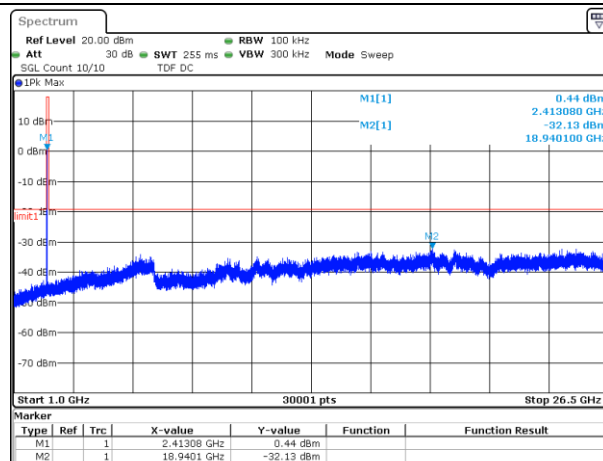
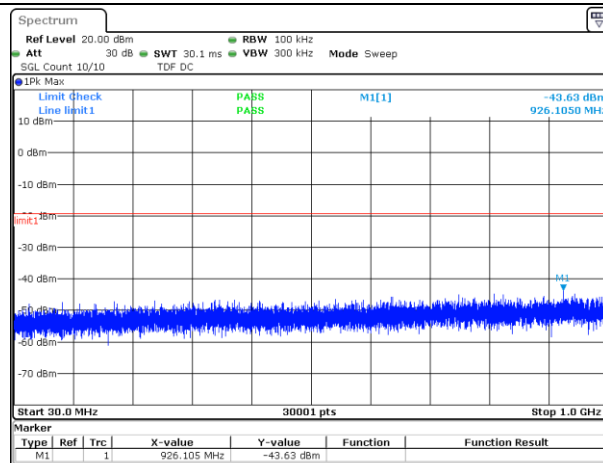
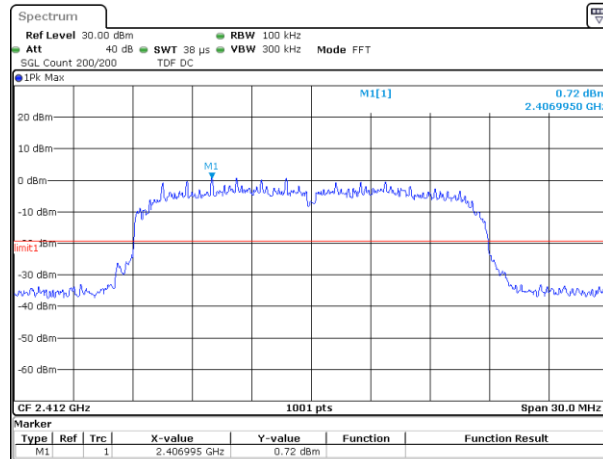
Date: 2 AUG 2026 21:17:19



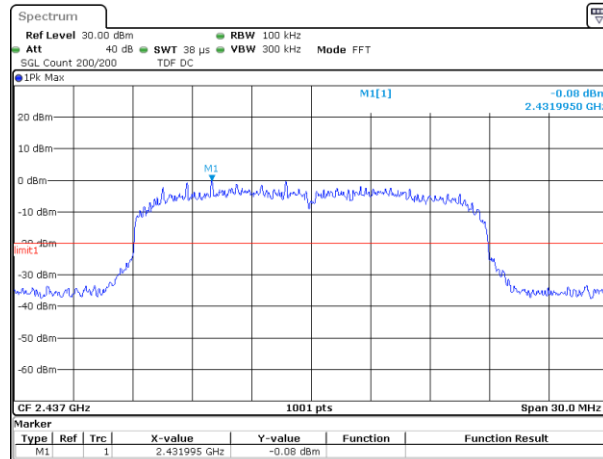
Date: 2 AUG 2026 21:17:33

NTNV_802.11b(20M)_2462_1Mbps_ANT1

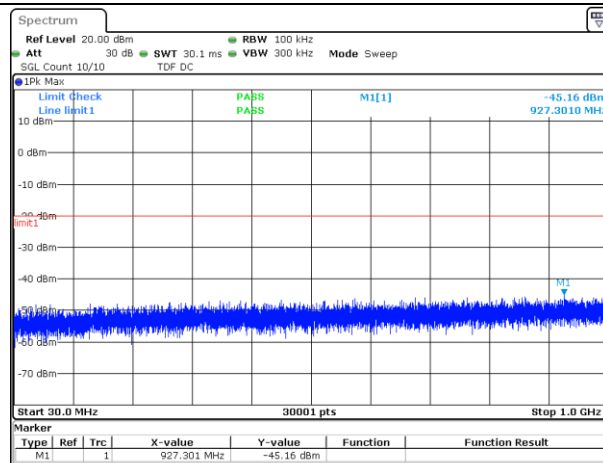




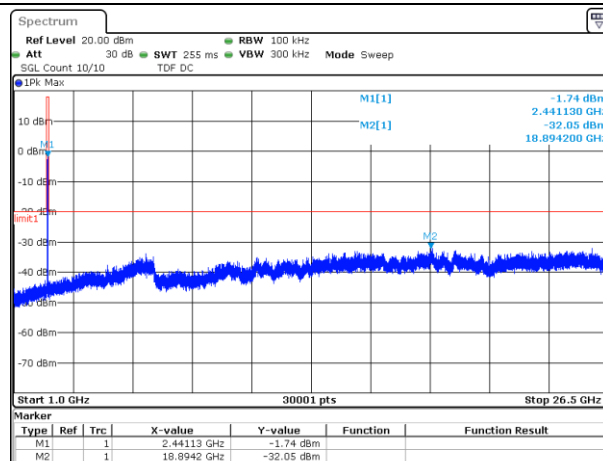
NTNV_802.11g(20M)_2437_6Mbps_ANT1



Date: 2 AUG 2026 21:29:51

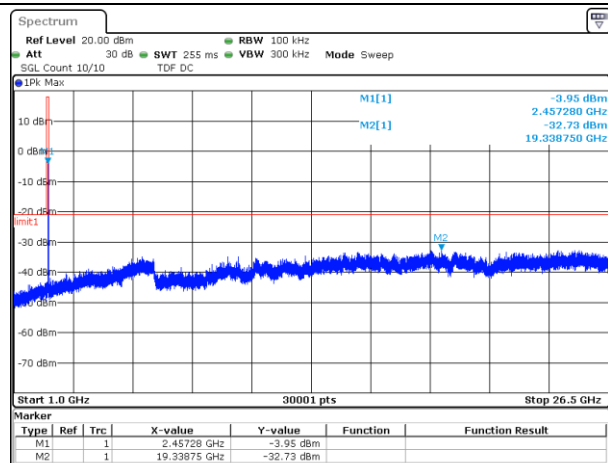
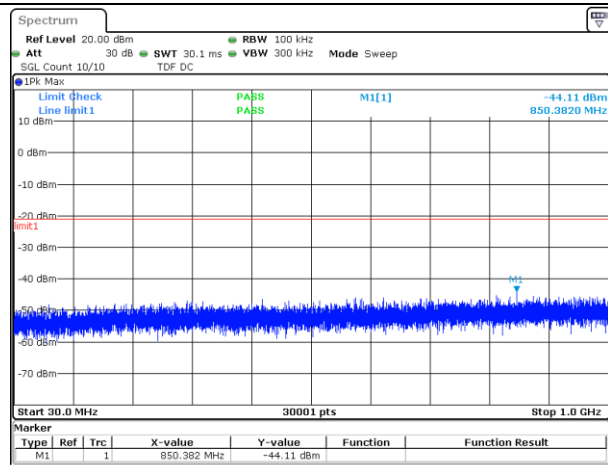
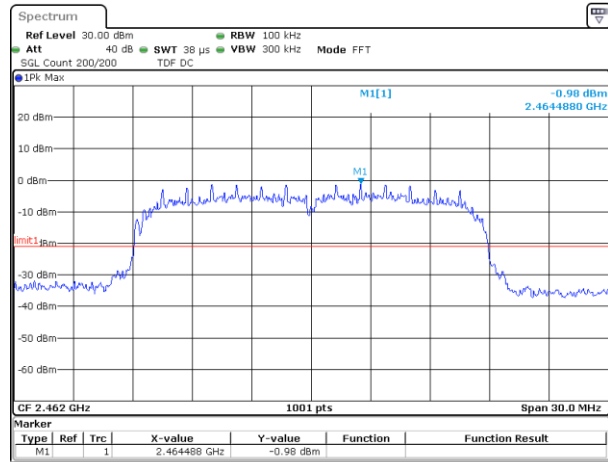


Date: 2 AUG 2026 21:29:57

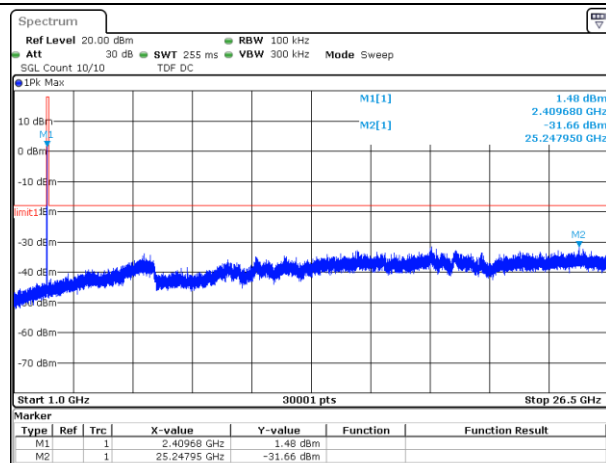
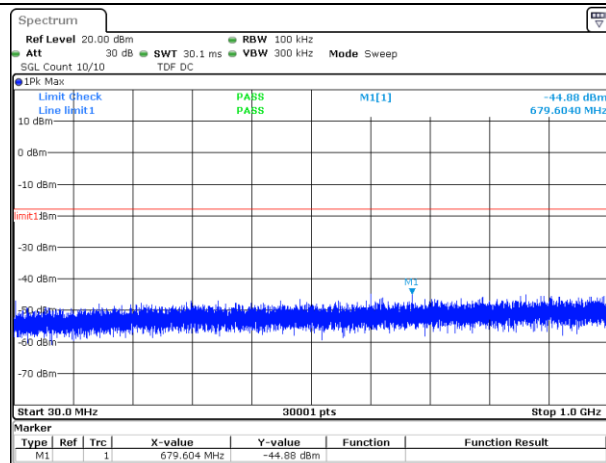
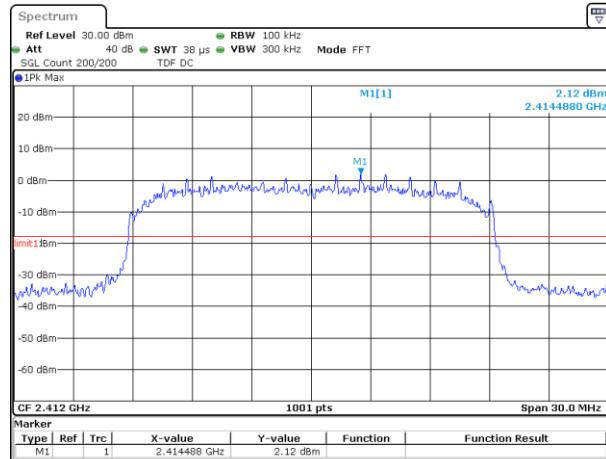


Date: 2 AUG 2026 21:30:12

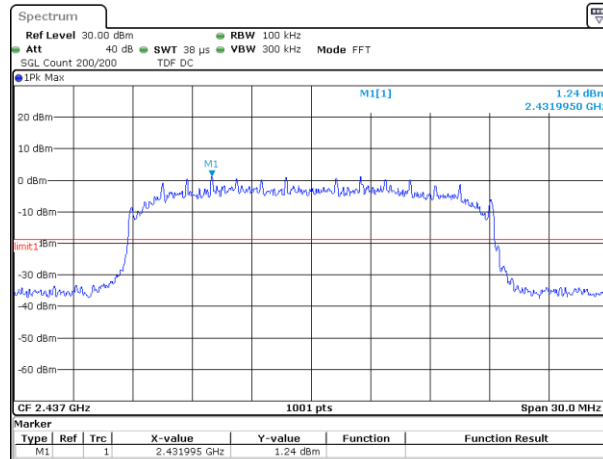
NTNV_802.11g(20M)_2462_6Mbps_ANT1



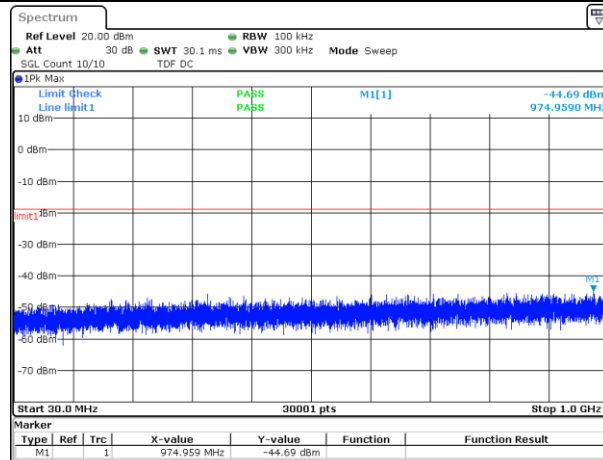
NTNV_802.11n(20M)_2412_MCS0_ANT1



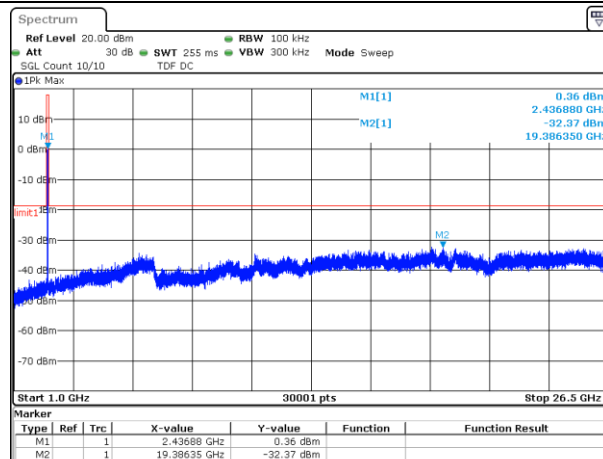
NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 2 AUG 2026 21:39:05

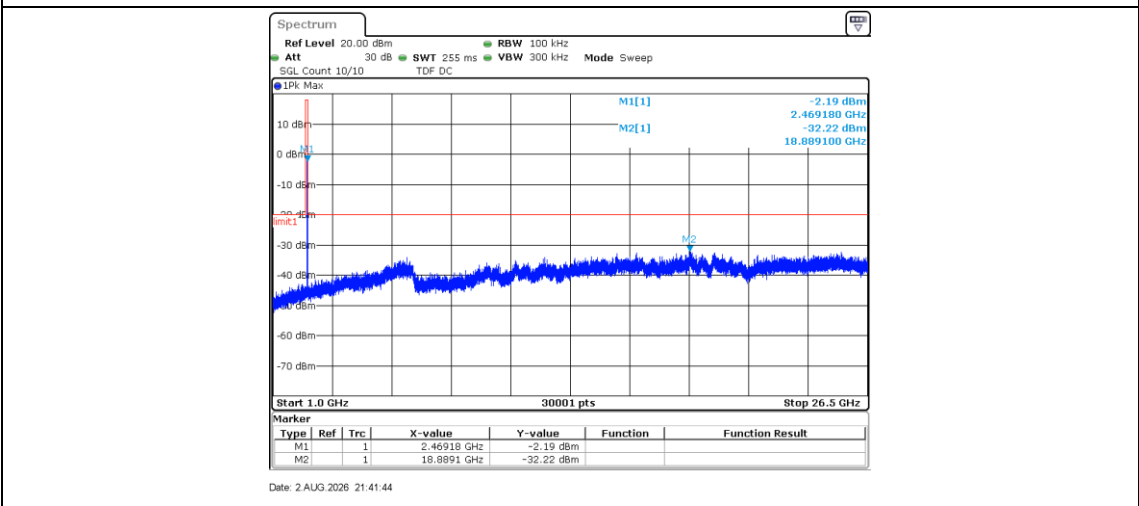
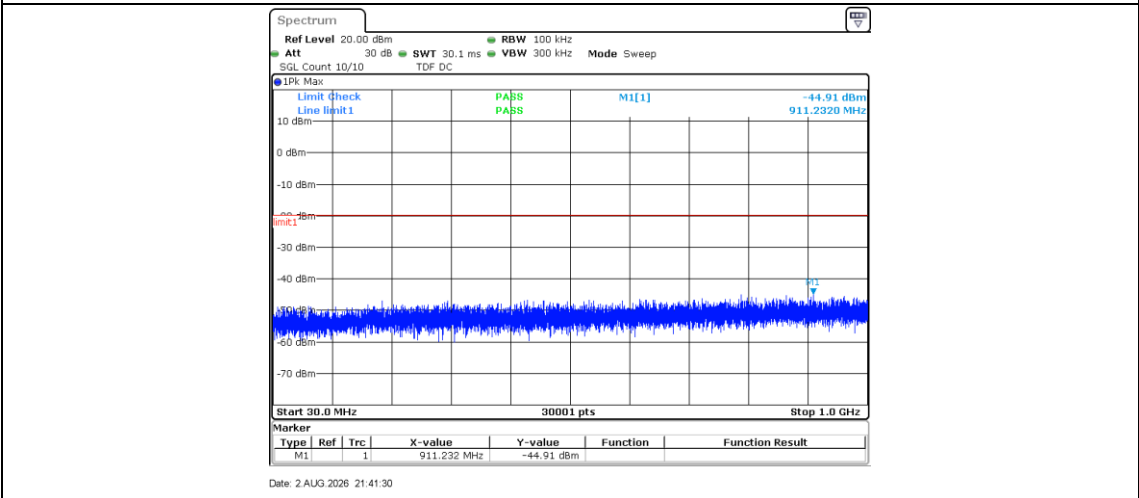
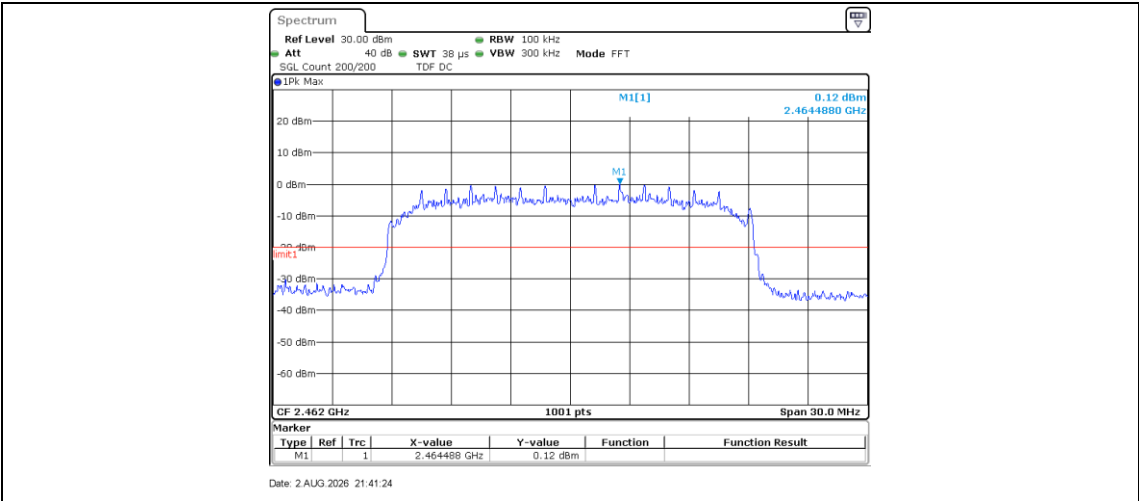


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NTNV_802.11n(20M)_2462_MCS0_ANT1



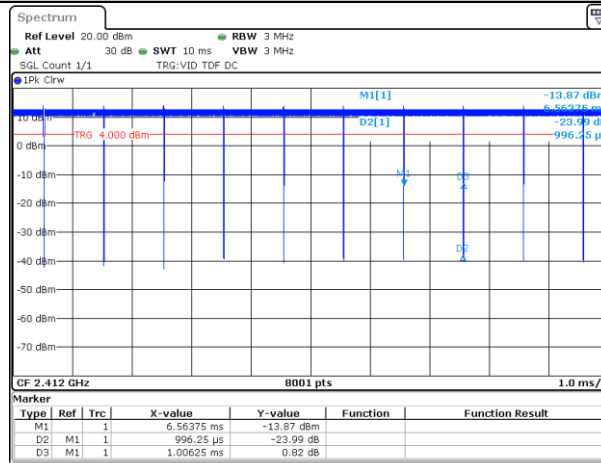
Appendix G: Duty Cycle

Test Result

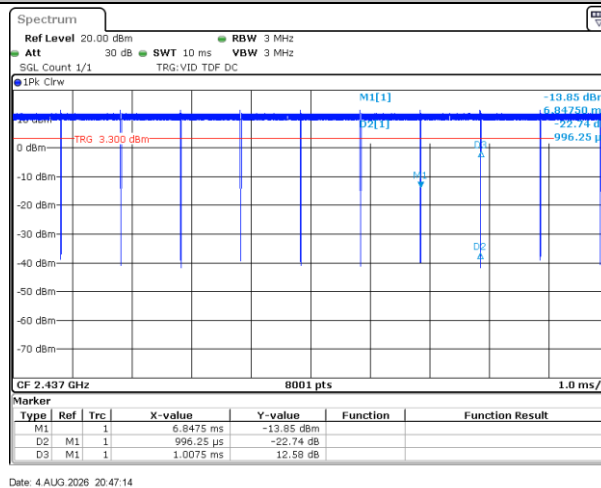
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	1.00	1.01	0.99	99.01
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	1.00	1.01	0.99	98.88
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	1.00	1.01	0.99	98.88
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	98.87
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

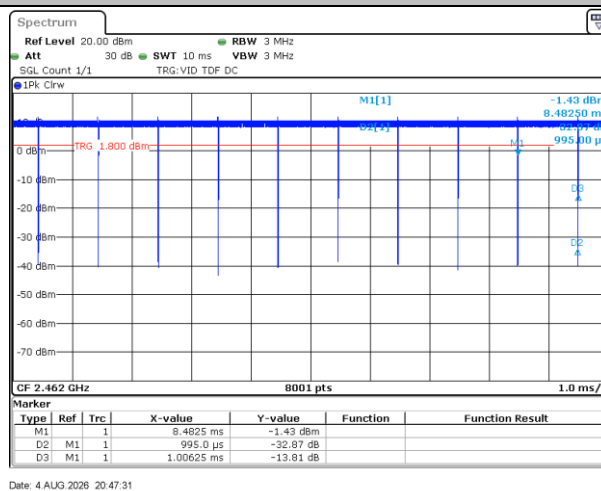
NTNV_802.11b(20M)_2412_1Mbps_ANT1



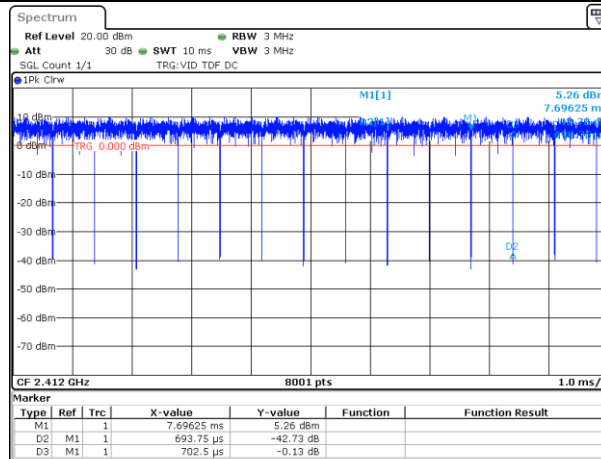
NTNV_802.11b(20M)_2437_1Mbps_ANT1



NTNV_802.11b(20M)_2462_1Mbps_ANT1

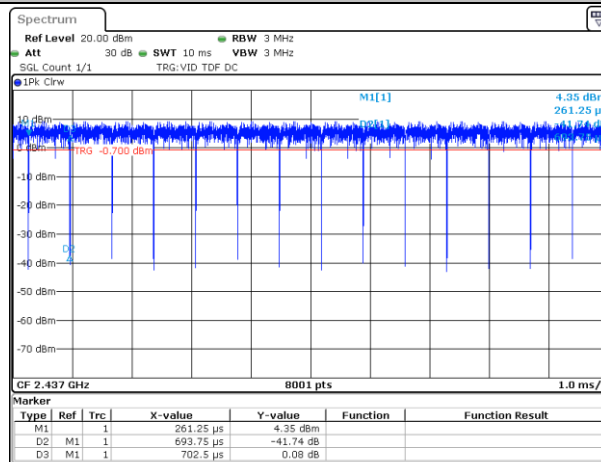


NTNV_802.11g(20M)_2412_6Mbps_ANT1



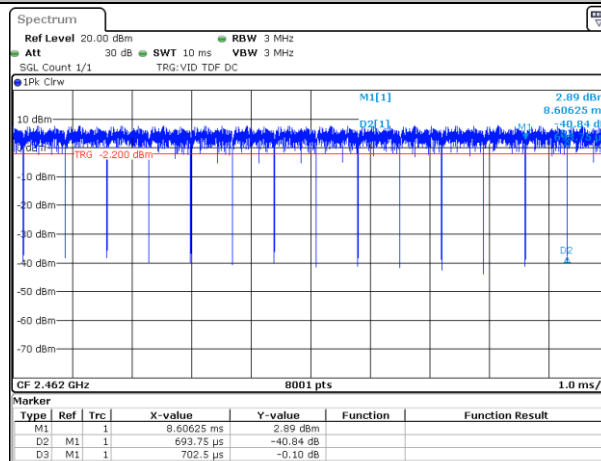
Date: 4 AUG 2026 20:47:58

NTNV_802.11g(20M)_2437_6Mbps_ANT1



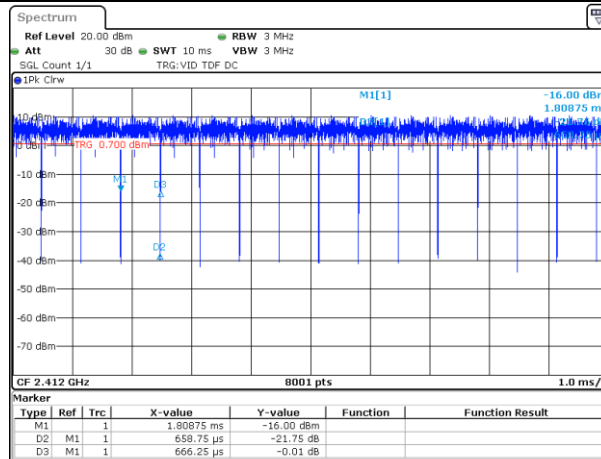
Date: 4 AUG 2026 20:48:15

NTNV_802.11g(20M)_2462_6Mbps_ANT1



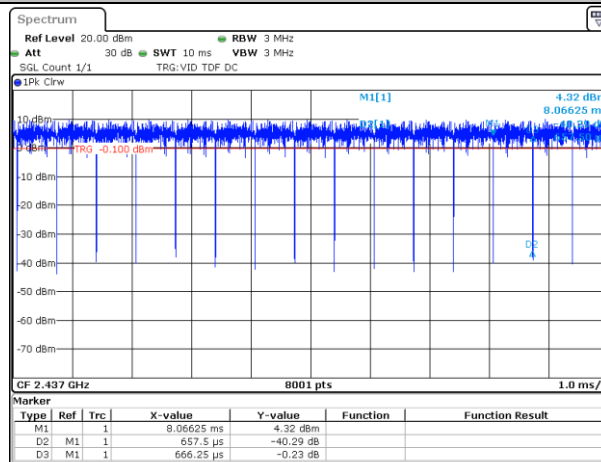
Date: 4 AUG 2026 20:48:49

NTNV_802.11n(20M)_2412_MCS0_ANT1



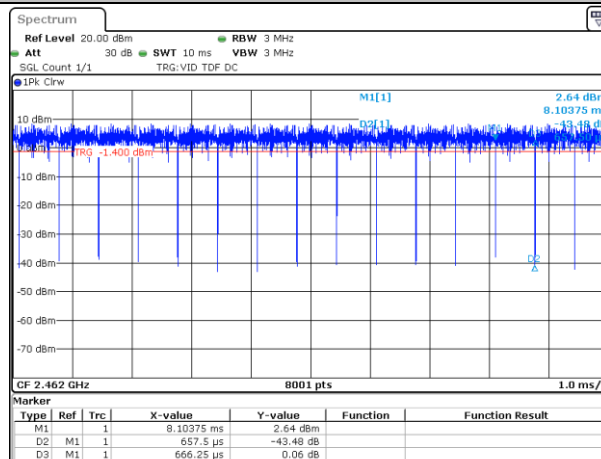
Date: 4 AUG 2026 20:49:14

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