



CQASZ20260801794E-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	Duty Cycle	Pass

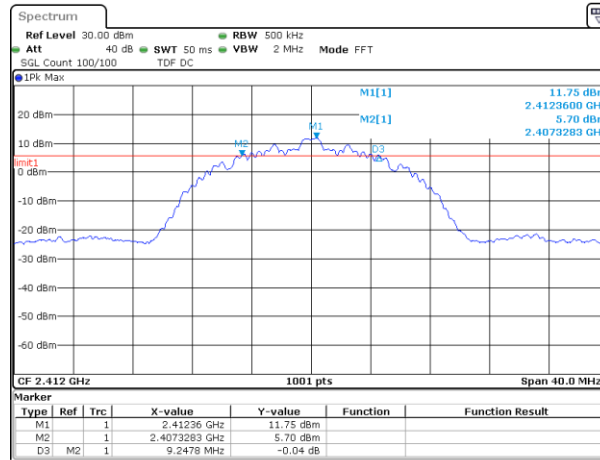
Appendix A: DTS Bandwidth

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	9.23	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	16.88	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.44	2429.00	2445.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.90	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	17.10	2404.00	2421.00	≥ 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	17.12	2454.00	2471.00	≥ 0.5	Pass

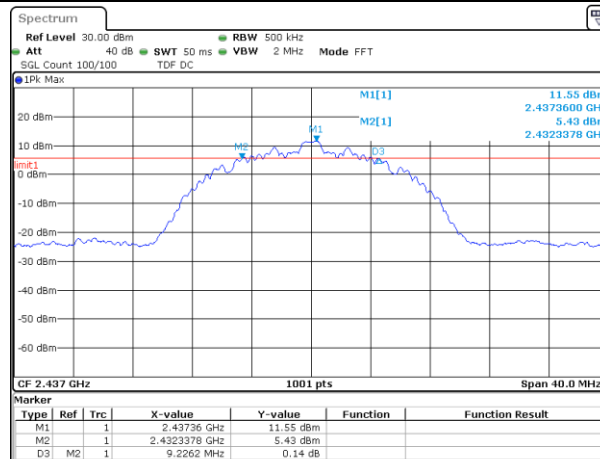
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



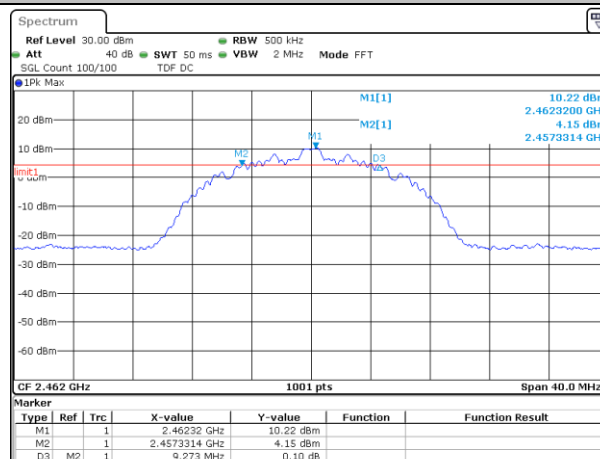
Date: 20 AUG.2026 17:15:05

NTNV_802.11b(20M)_2437_1Mbps_ANT1



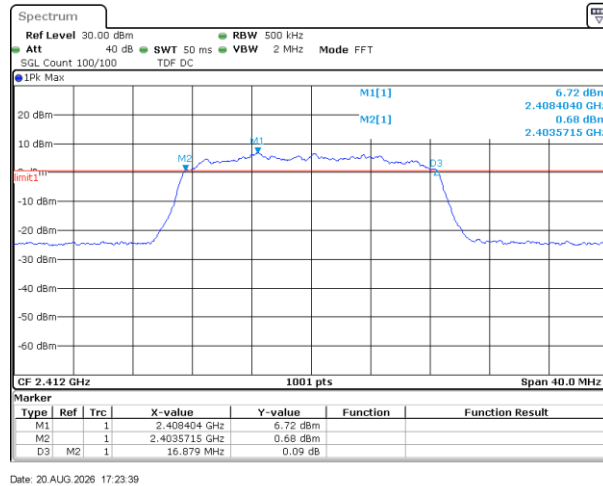
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

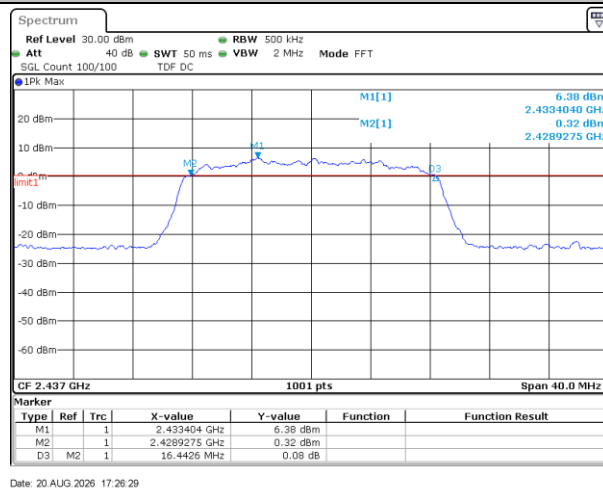


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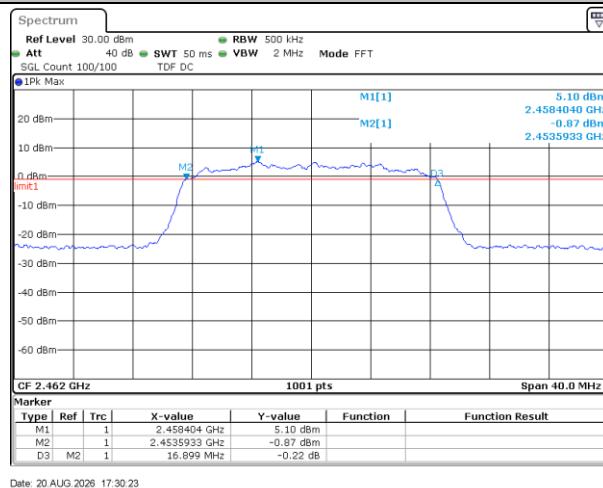
NTNV_802.11g(20M)_2412_6Mbps_ANT1



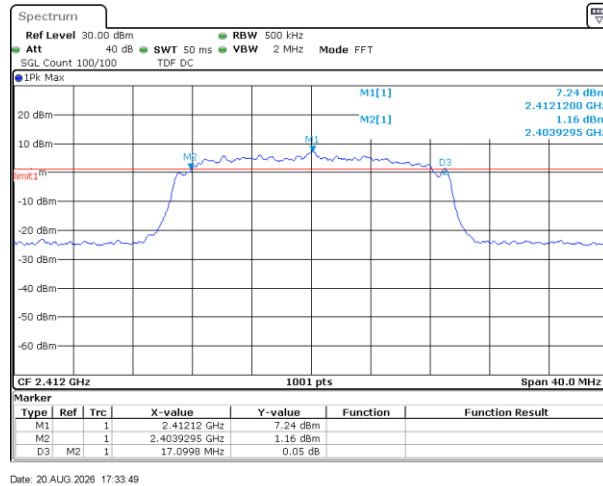
NTNV_802.11g(20M)_2437_6Mbps_ANT1



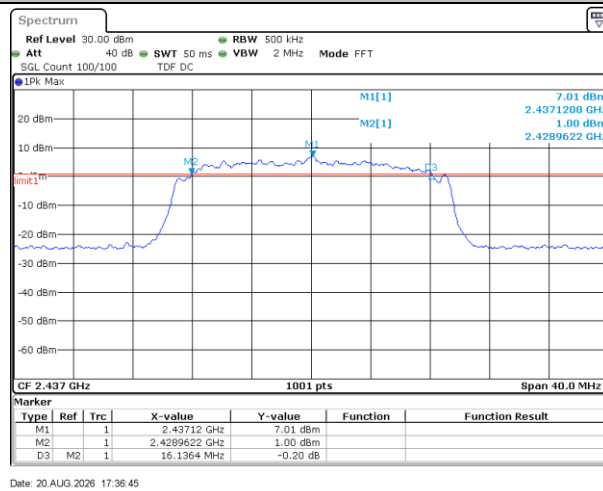
NTNV_802.11g(20M)_2462_6Mbps_ANT1



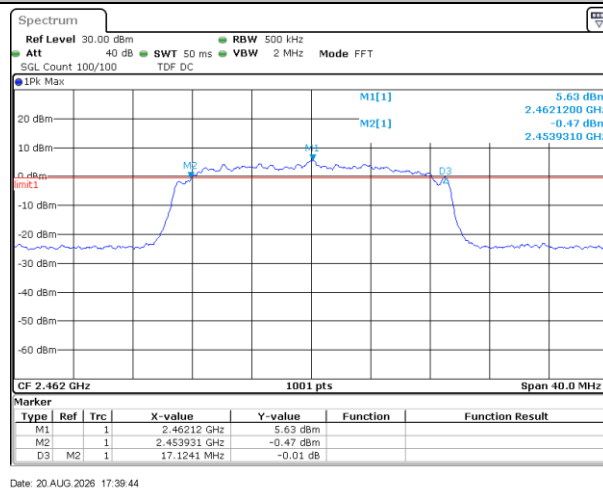
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

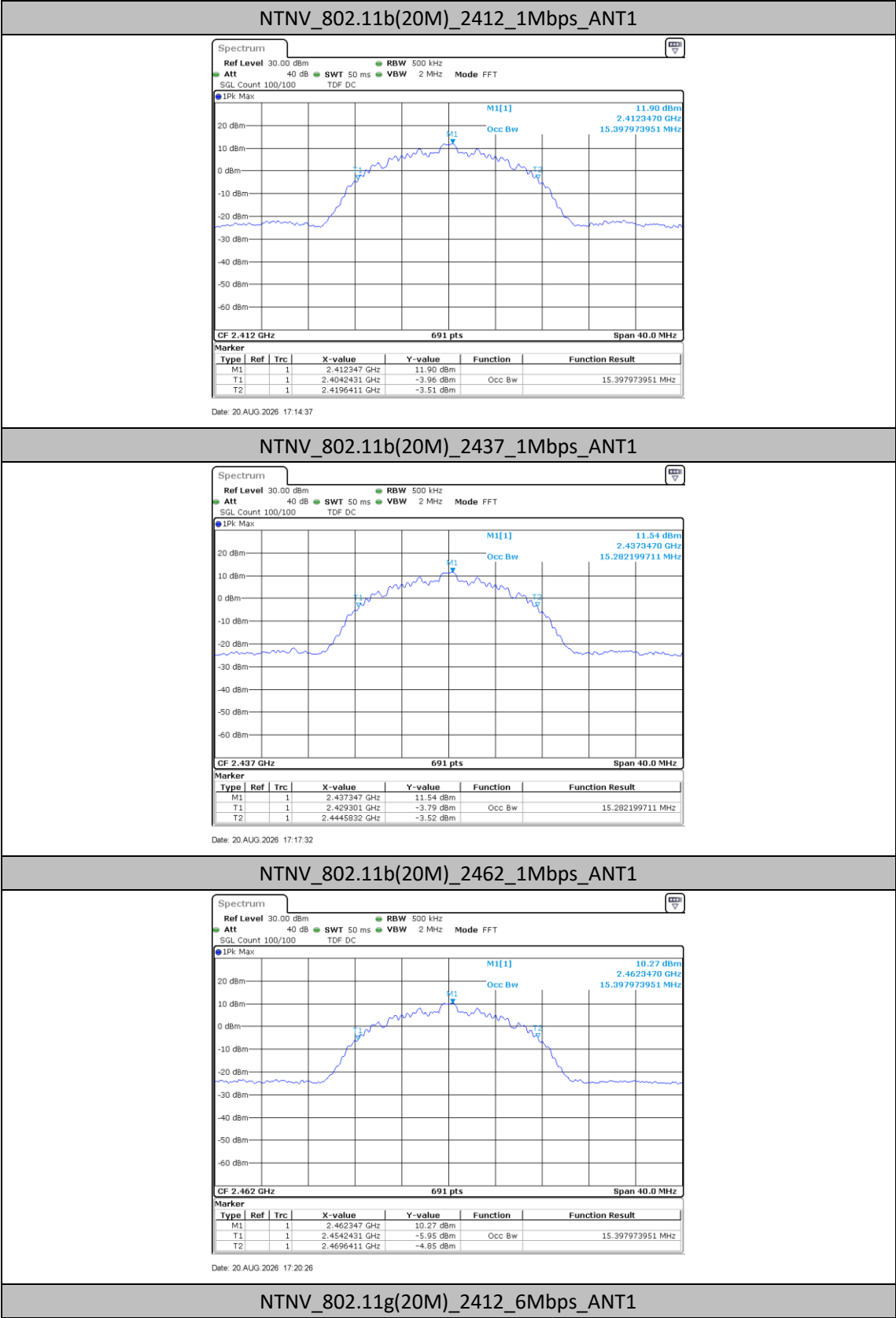


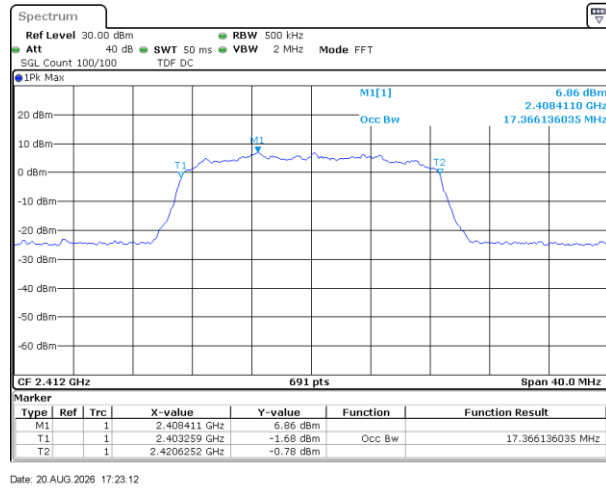
Appendix B: Occupied Channel Bandwidth

Test Result

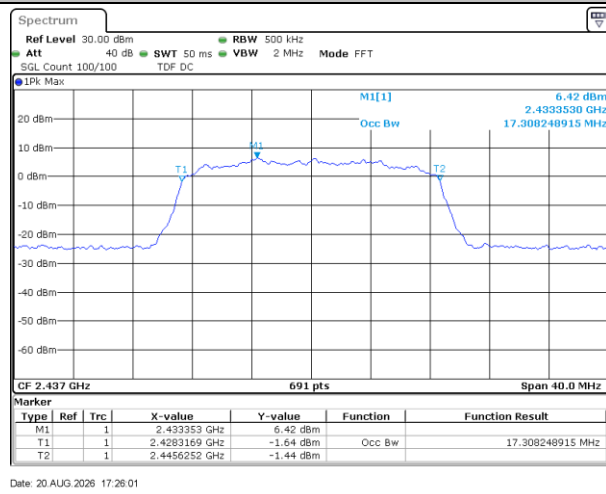
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	802.11b(20 M)	2412	1Mbps	ANT1	15.40	≥ 0.5	2404.00	2420.00	Pass
2	NTNV	802.11b(20 M)	2437	1Mbps	ANT1	15.28	≥ 0.5	2429.00	2445.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	ANT1	15.40	≥ 0.5	2454.00	2470.00	Pass
4	NTNV	802.11g(20 M)	2412	6Mbps	ANT1	17.37	≥ 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	18.29	≥ 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	18.29	≥ 0.5	2453.00	2471.00	Pass

Test Graphs

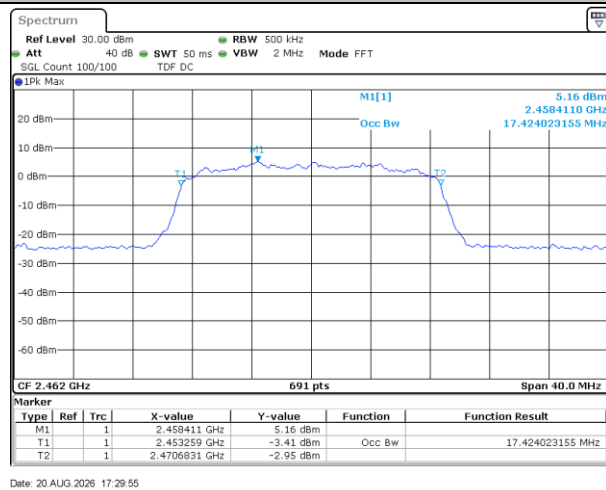




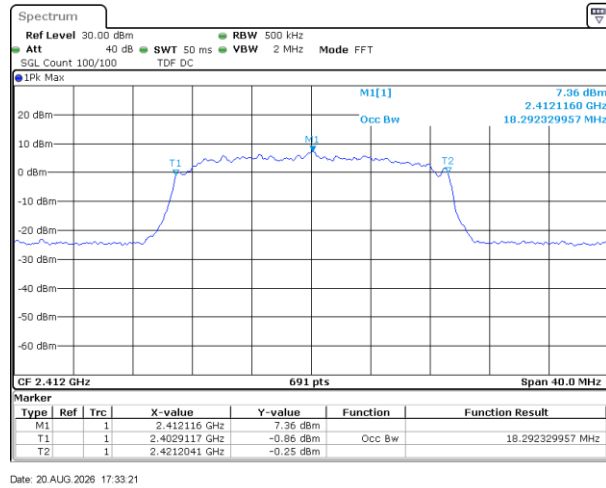
NTNV_802.11g(20M)_2437_6Mbps_ANT1



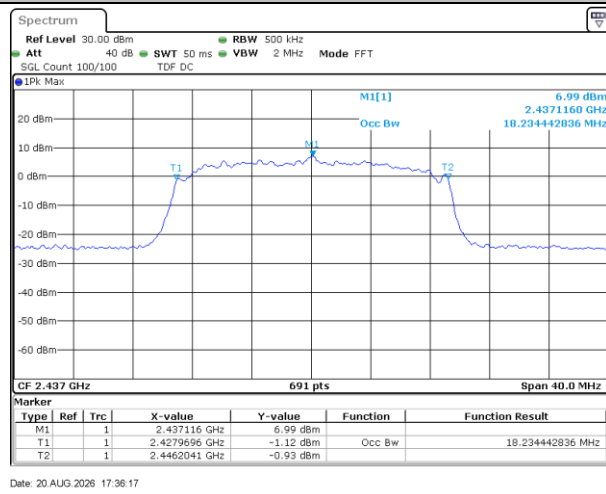
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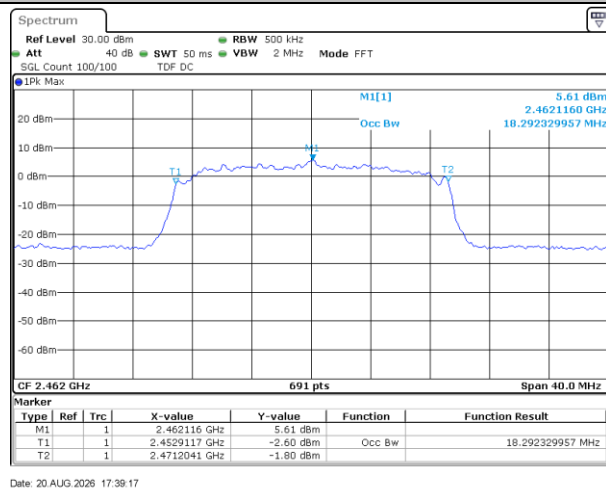
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



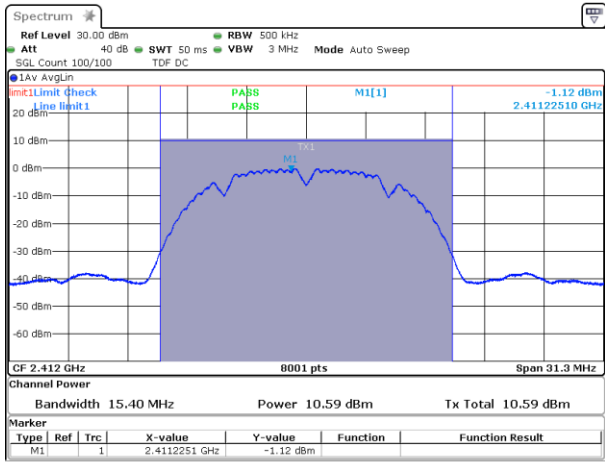
Appendix C: Maximum conducted output power

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	10.59	≤30	Pass
2	NTNV	802.11b(20 M)	2437	AVER	ANT1	10.49	≤30	Pass
3	NTNV	802.11b(20 M)	2462	AVER	ANT1	9.18	≤30	Pass
4	NTNV	802.11g(20 M)	2412	AVER	ANT1	5.82	≤30	Pass
5	NTNV	802.11g(20 M)	2437	AVER	ANT1	5.49	≤30	Pass
6	NTNV	802.11g(20 M)	2462	AVER	ANT1	4.29	≤30	Pass
7	NTNV	802.11n(20 M)	2412	AVER	ANT1	5.88	≤30	Pass
8	NTNV	802.11n(20 M)	2437	AVER	ANT1	5.60	≤30	Pass
9	NTNV	802.11n(20 M)	2462	AVER	ANT1	4.33	≤30	Pass

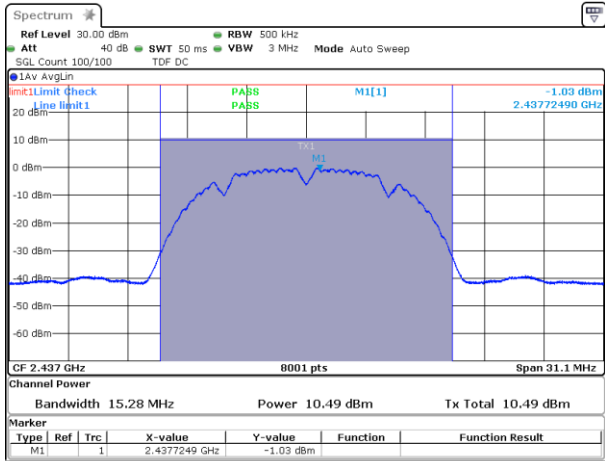
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



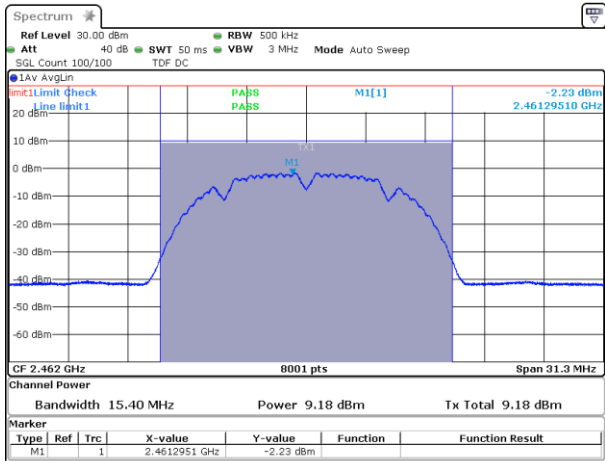
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



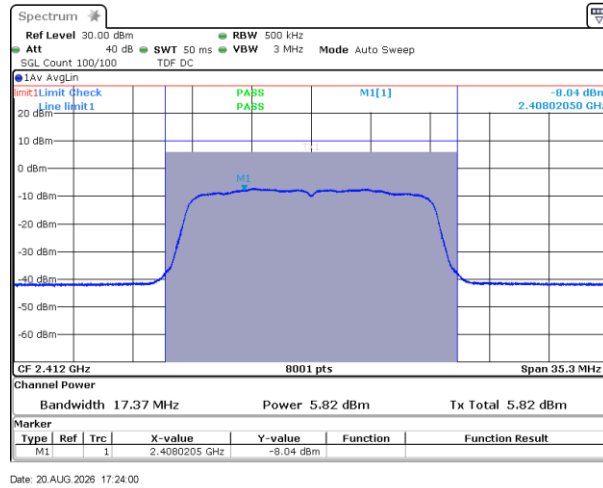
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

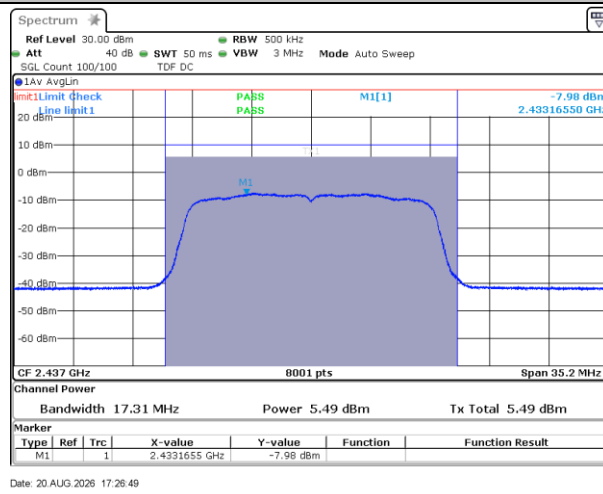


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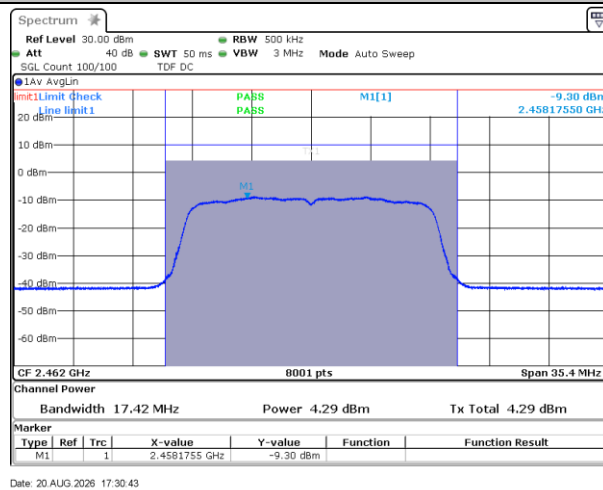
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



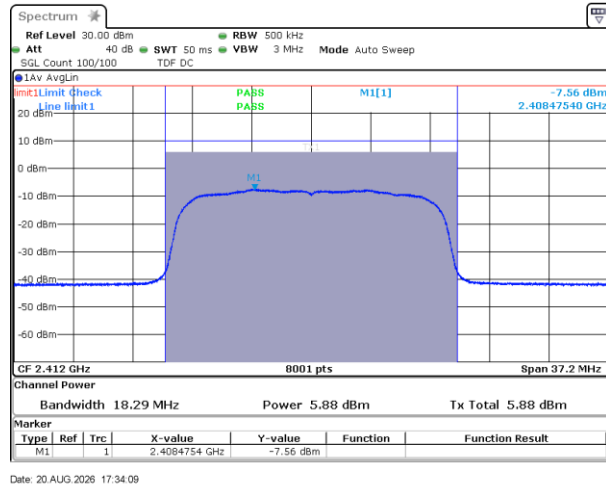
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



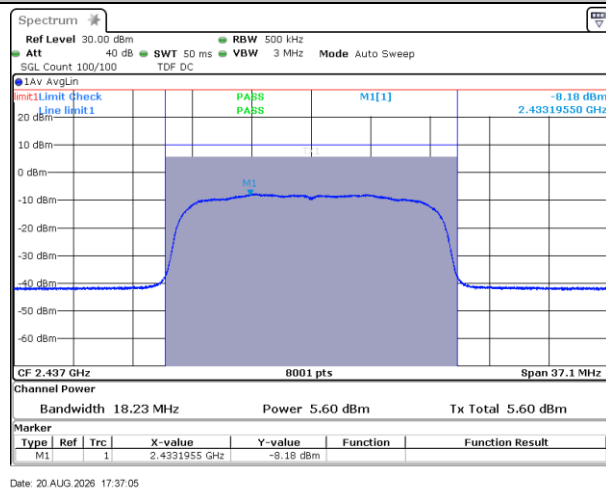
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



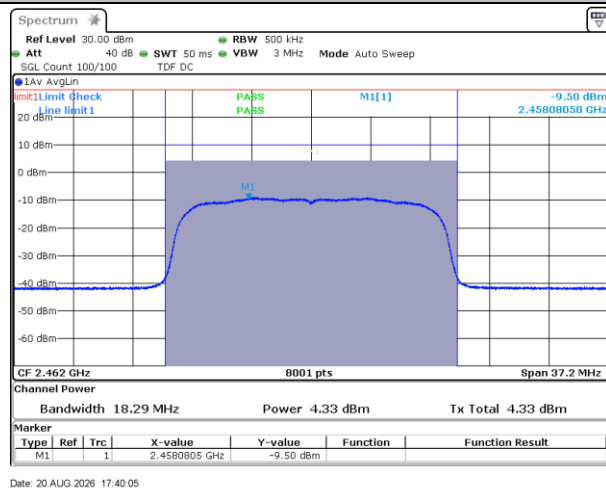
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV

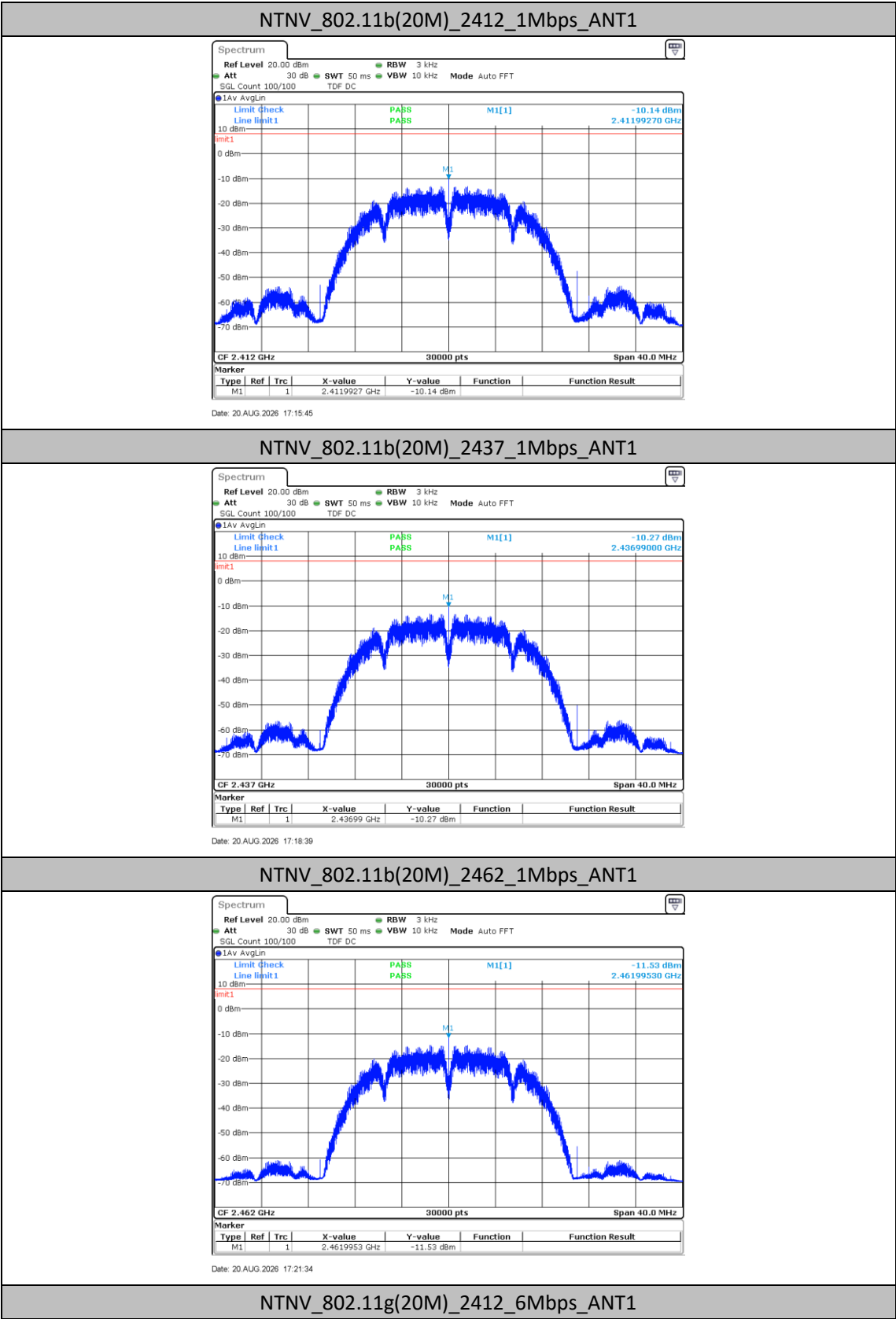


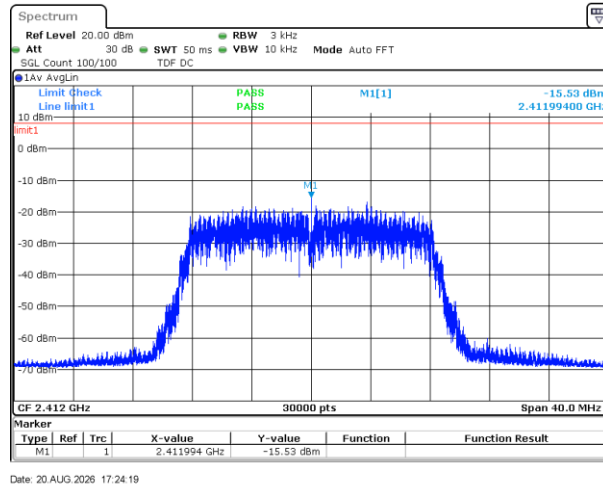
Appendix D: Maximum power spectral density

Test Result

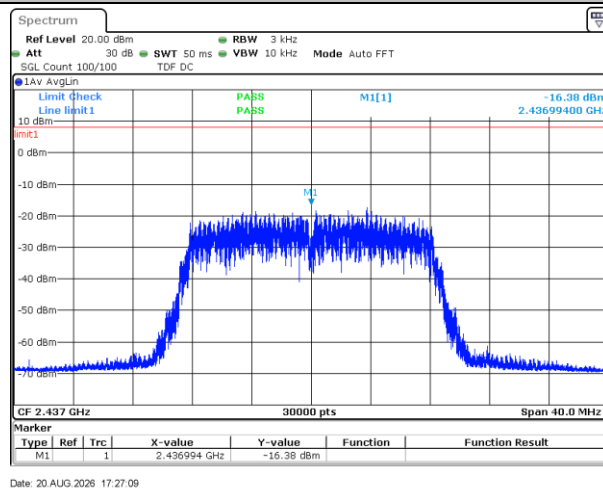
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	-10.14	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-10.27	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-11.53	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-15.53	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-16.38	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-18.25	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-17.60	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-17.99	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-19.18	≤ 8	Pass

Test Graphs

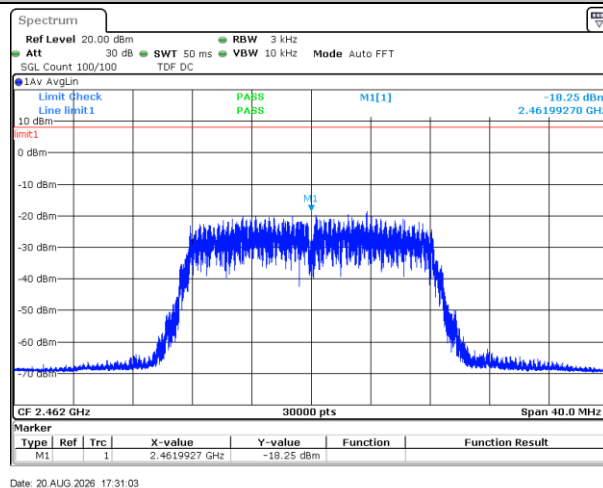




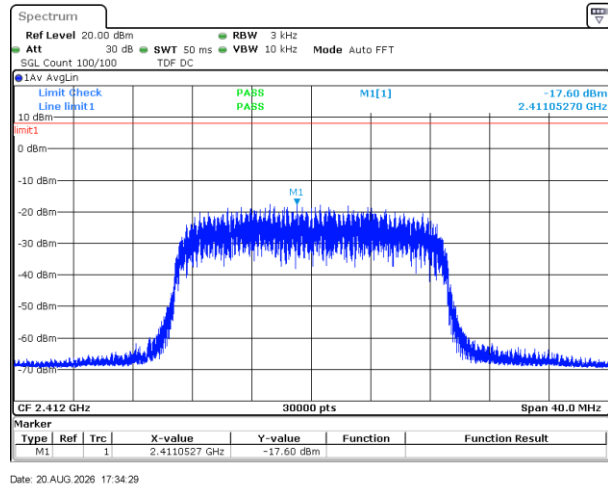
NTNV_802.11g(20M)_2437_6Mbps_ANT1



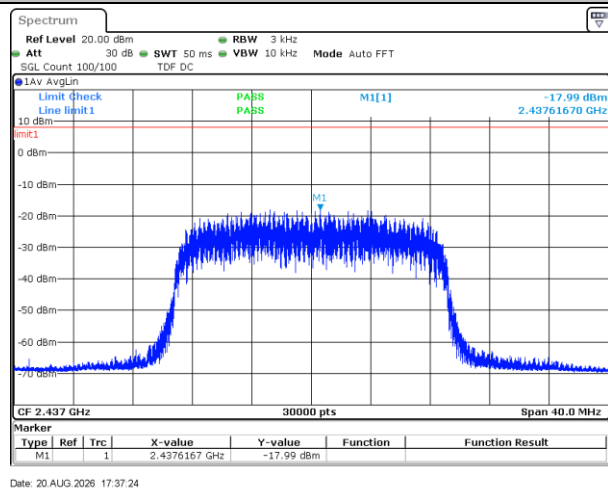
NTNV_802.11g(20M)_2462_6Mbps_ANT1



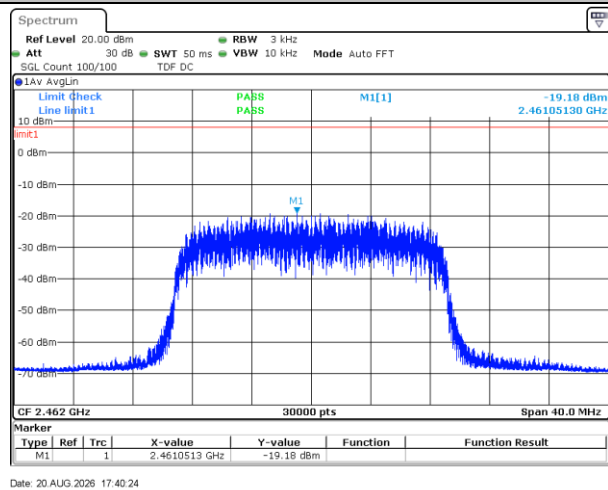
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



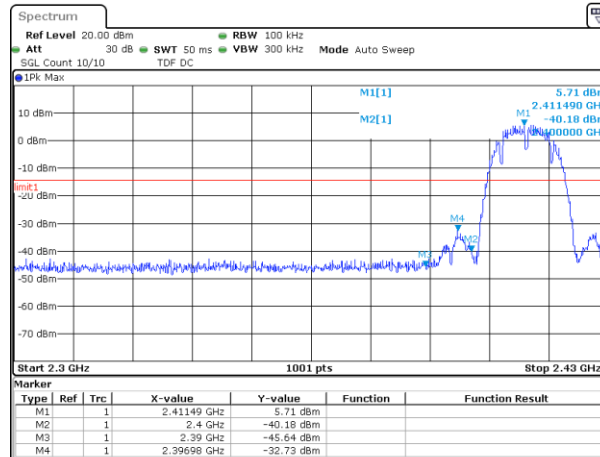
Appendix E: Band edge measurements

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	5.71	-32.72	≤ -14.29	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	4.24	-42.62	≤ -15.76	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	0.89	-40.58	≤ -19.11	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-1.32	-41.94	≤ -21.32	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	0.58	-40.32	≤ -19.42	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-0.86	-42.56	≤ -20.86	Pass

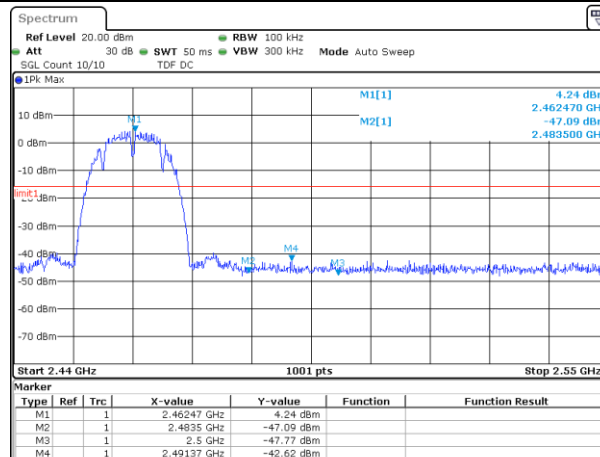
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



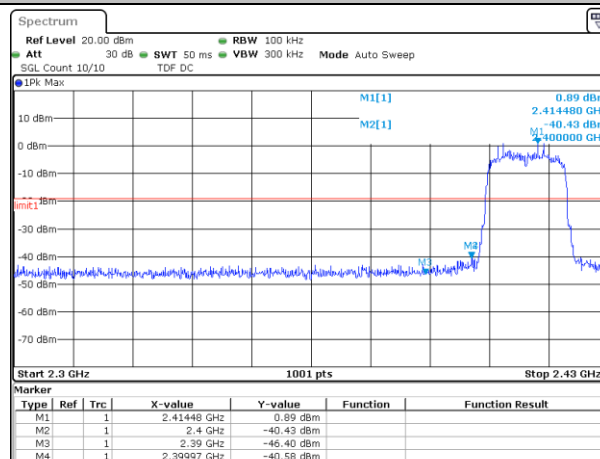
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



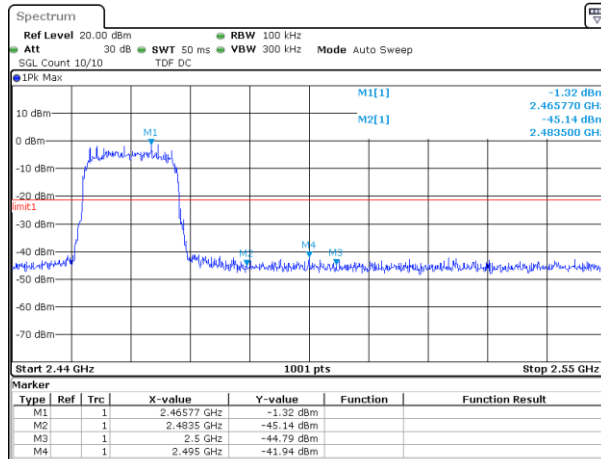
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



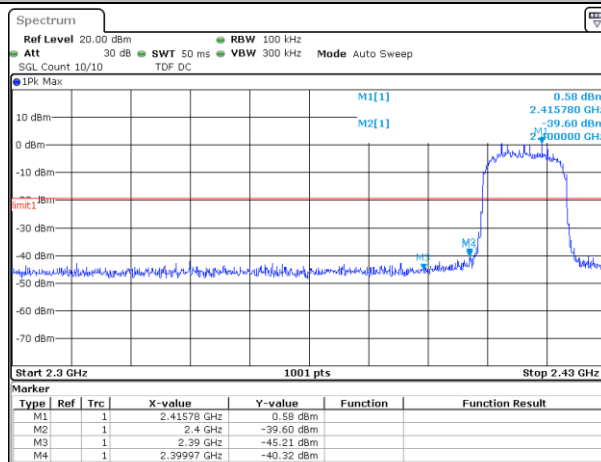
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



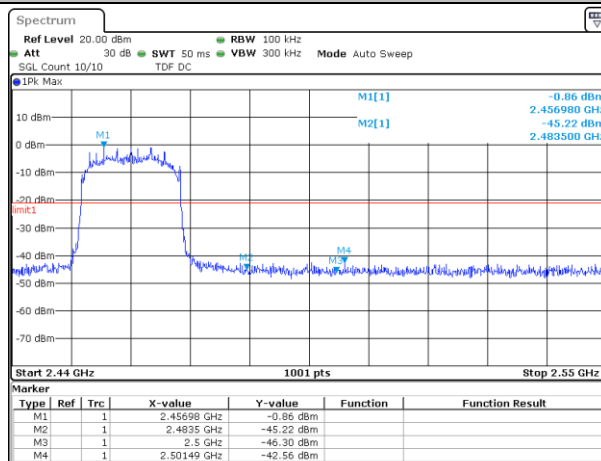
Date: 20 AUG 2026 17:31 07

NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 20 AUG 2026 17:34 33

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 20 AUG 2026 17:40 28

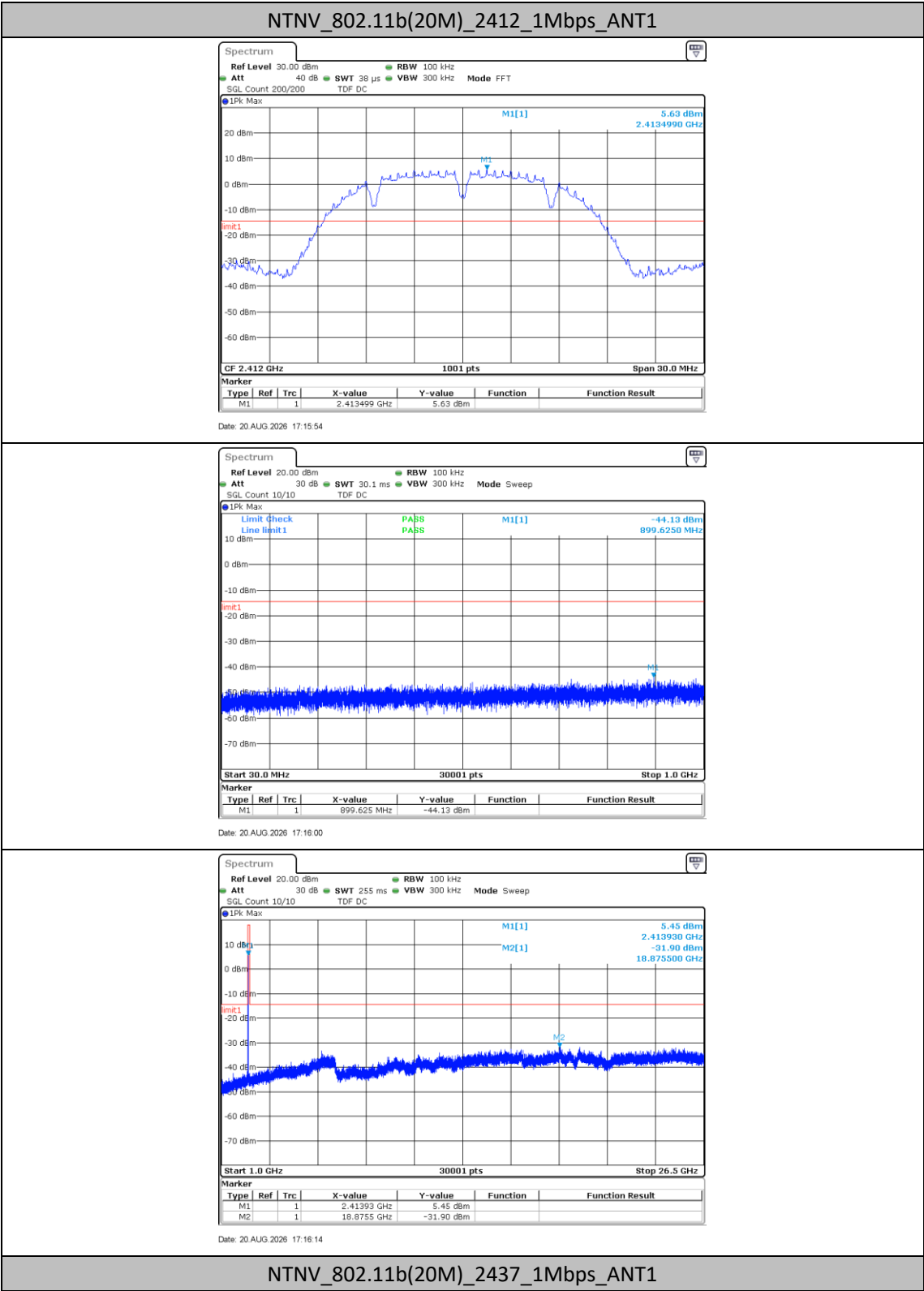
Appendix F: Conducted Spurious Emission

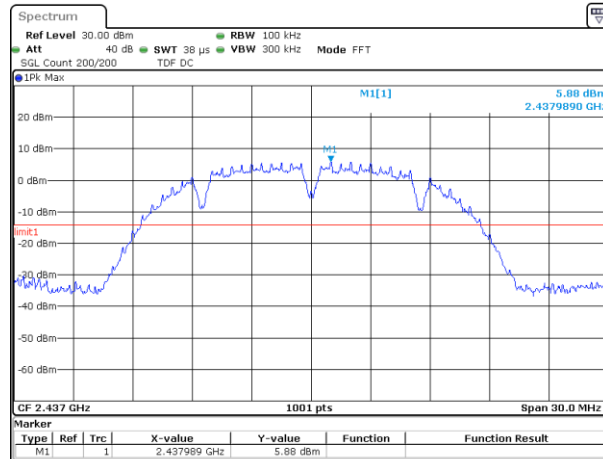
Test Result

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	5.63	/	PASS
						30~1000	0.1	-44.13	≤-24.37	Pass
						1000~26500	0.1	-31.90	≤-24.37	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	5.88	/	PASS
						30~1000	0.1	-44.48	≤-24.12	Pass
						1000~26500	0.1	-31.13	≤-24.12	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	4.29	/	PASS
						30~1000	0.1	-43.14	≤-25.71	Pass
						1000~26500	0.1	-31.18	≤-25.71	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	1.25	/	PASS
						30~1000	0.1	-44.40	≤-28.75	Pass
						1000~26500	0.1	-31.69	≤-28.75	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	0.84	/	PASS
						30~1000	0.1	-44.46	≤-29.16	Pass
						1000~26500	0.1	-31.24	≤-29.16	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-0.69	/	PASS
						30~1000	0.1	-43.82	≤-30.69	Pass
						1000~26500	0.1	-31.91	≤-30.69	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	0.95	/	PASS
						30~1000	0.1	-44.34	≤-29.05	Pass
						1000~26500	0.1	-31.14	≤-29.05	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	0.8	/	PASS
						30~1000	0.1	-44.86	≤-29.20	Pass
						1000~26500	0.1	-31.29	≤-29.20	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	-0.23	/	PASS

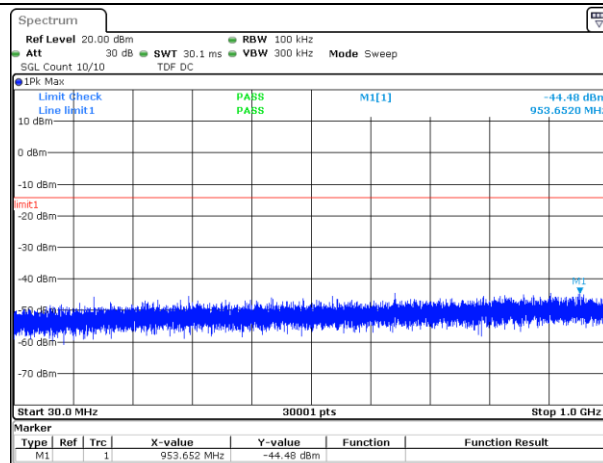
						30~1000	0.1	-44.73	≤ -30.23	Pass
						1000~26500	0.1	-31.78	≤ -30.23	Pass

Test Graphs

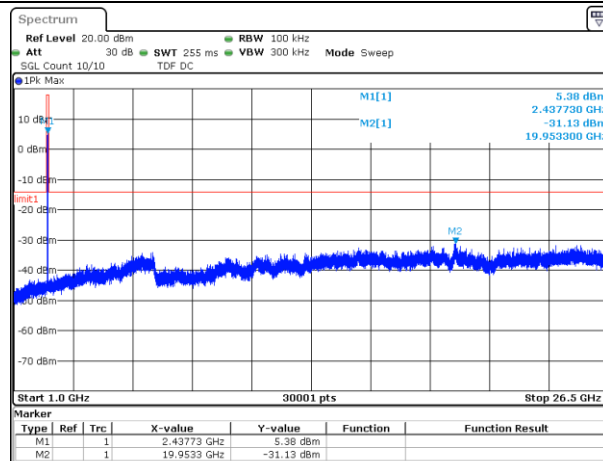




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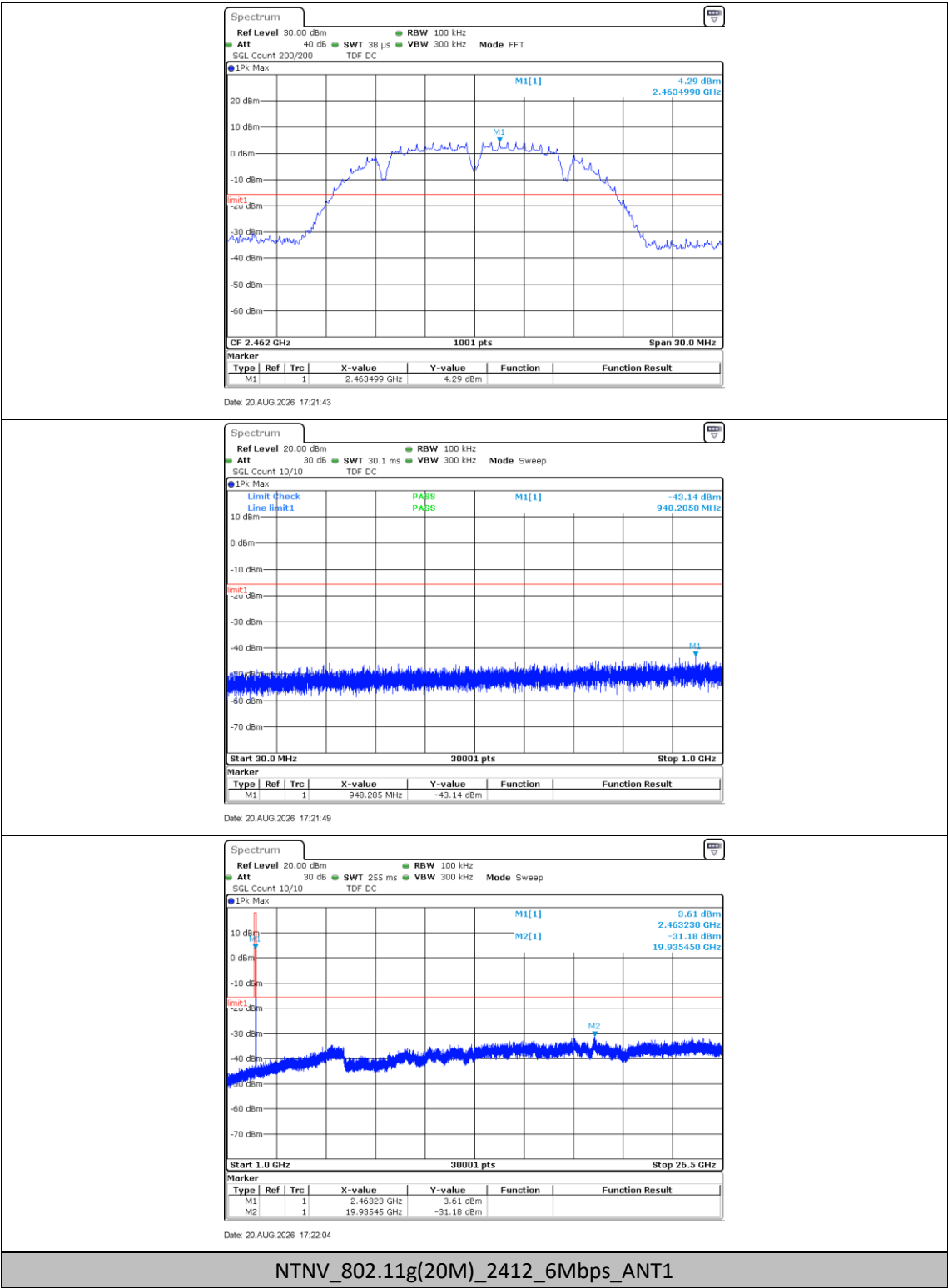


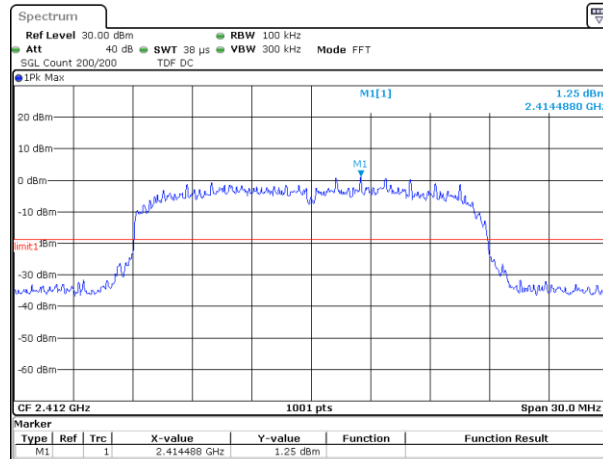
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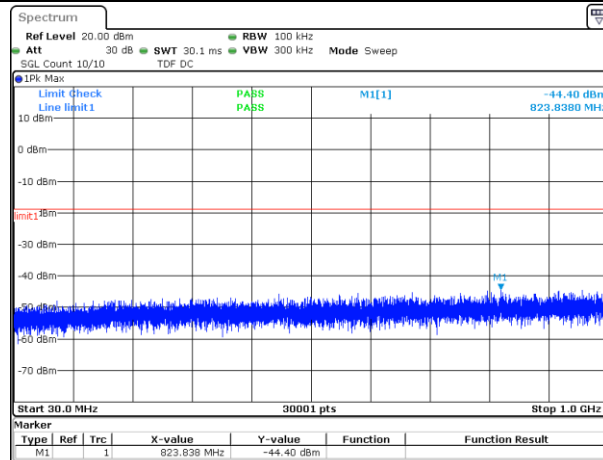
Date: 20 AUG 2026 17:19:05

NTNV_802.11b(20M)_2462_1Mbps_ANT1

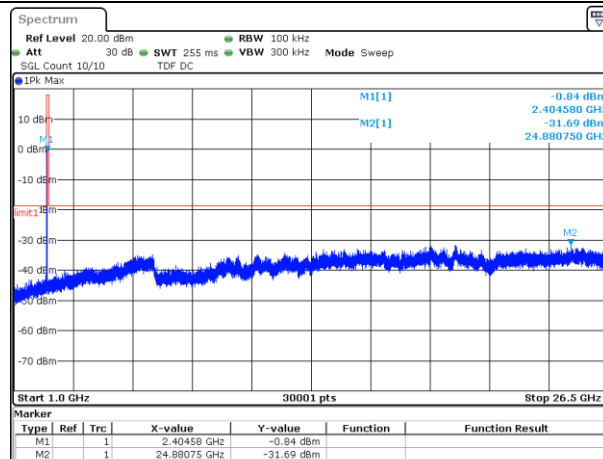




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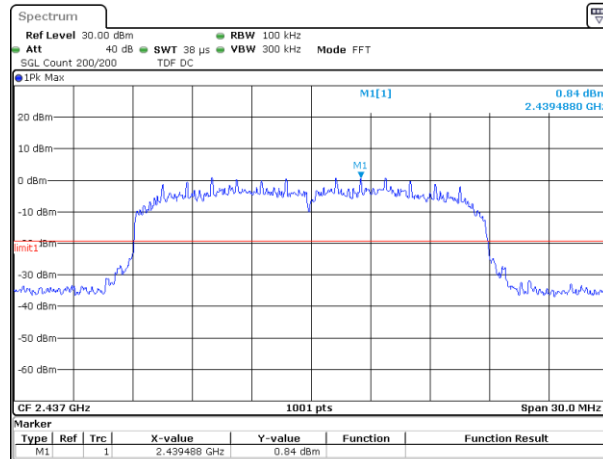


Date: 20 AUG 2026 17:24:35

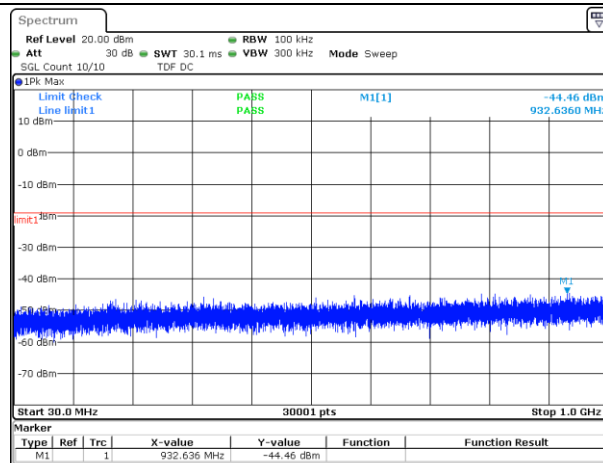


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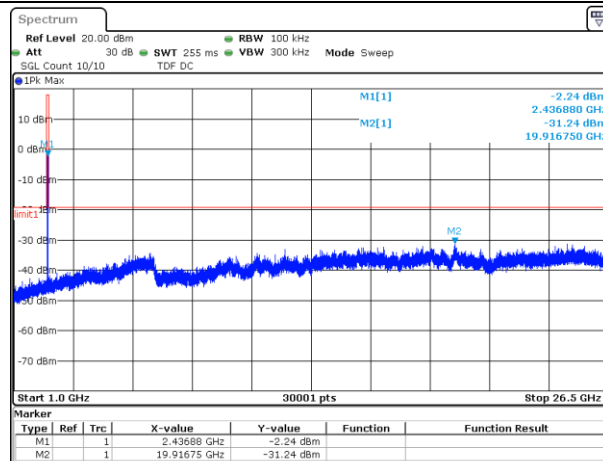
NTNV_802.11g(20M)_2437_6Mbps_ANT1



Date: 20 AUG 2026 17:27:14

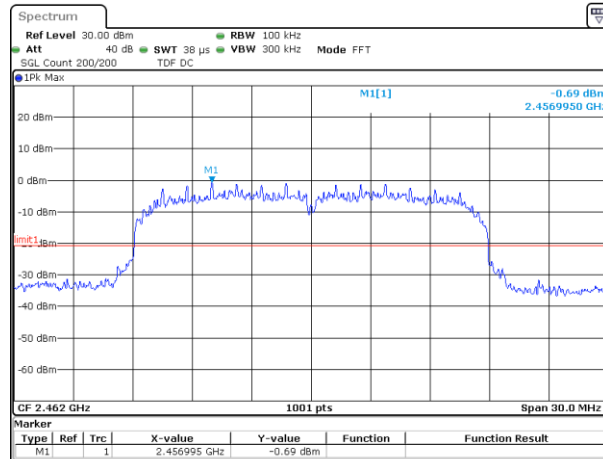


Date: 20 AUG 2026 17:27:21

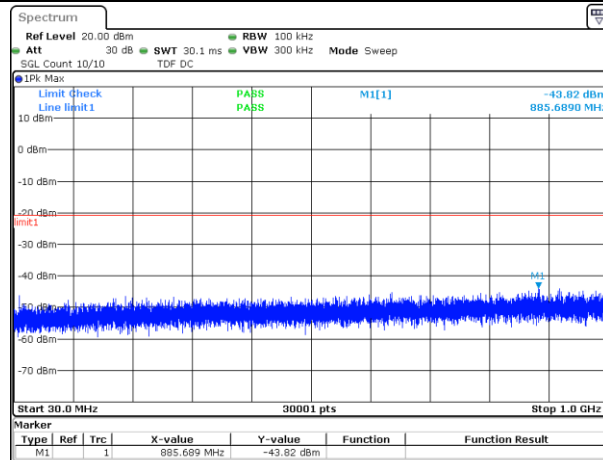


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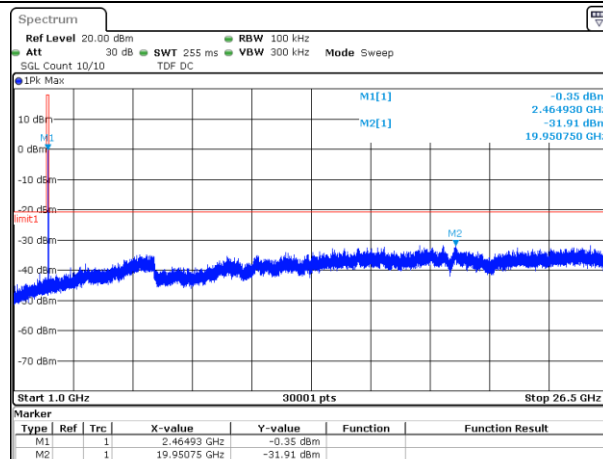
NTNV_802.11g(20M)_2462_6Mbps_ANT1



Date: 20 AUG 2026 17:31:12

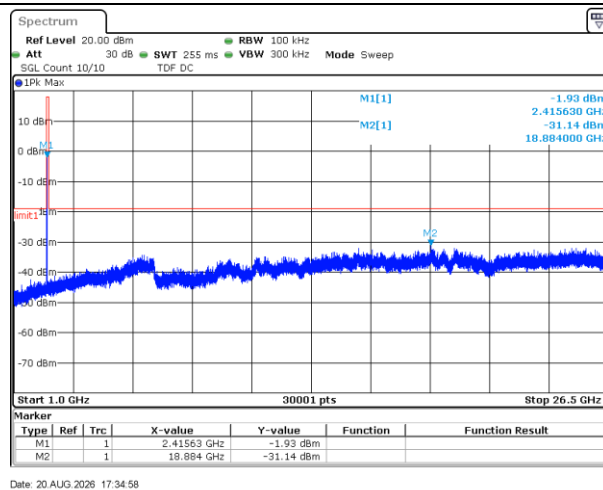
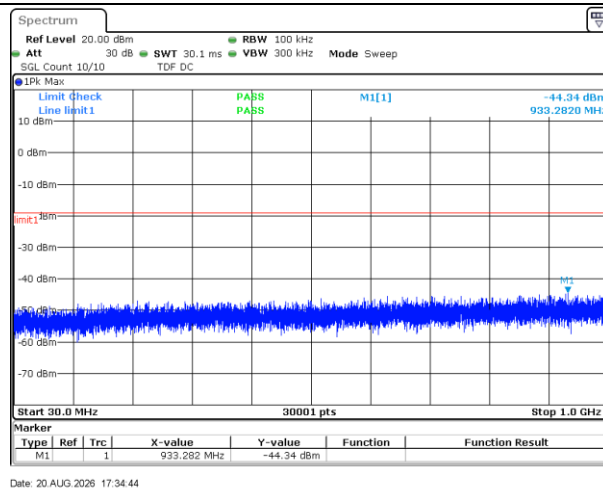
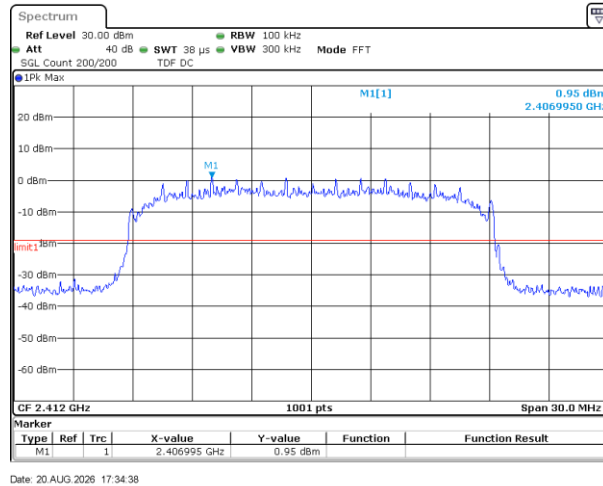


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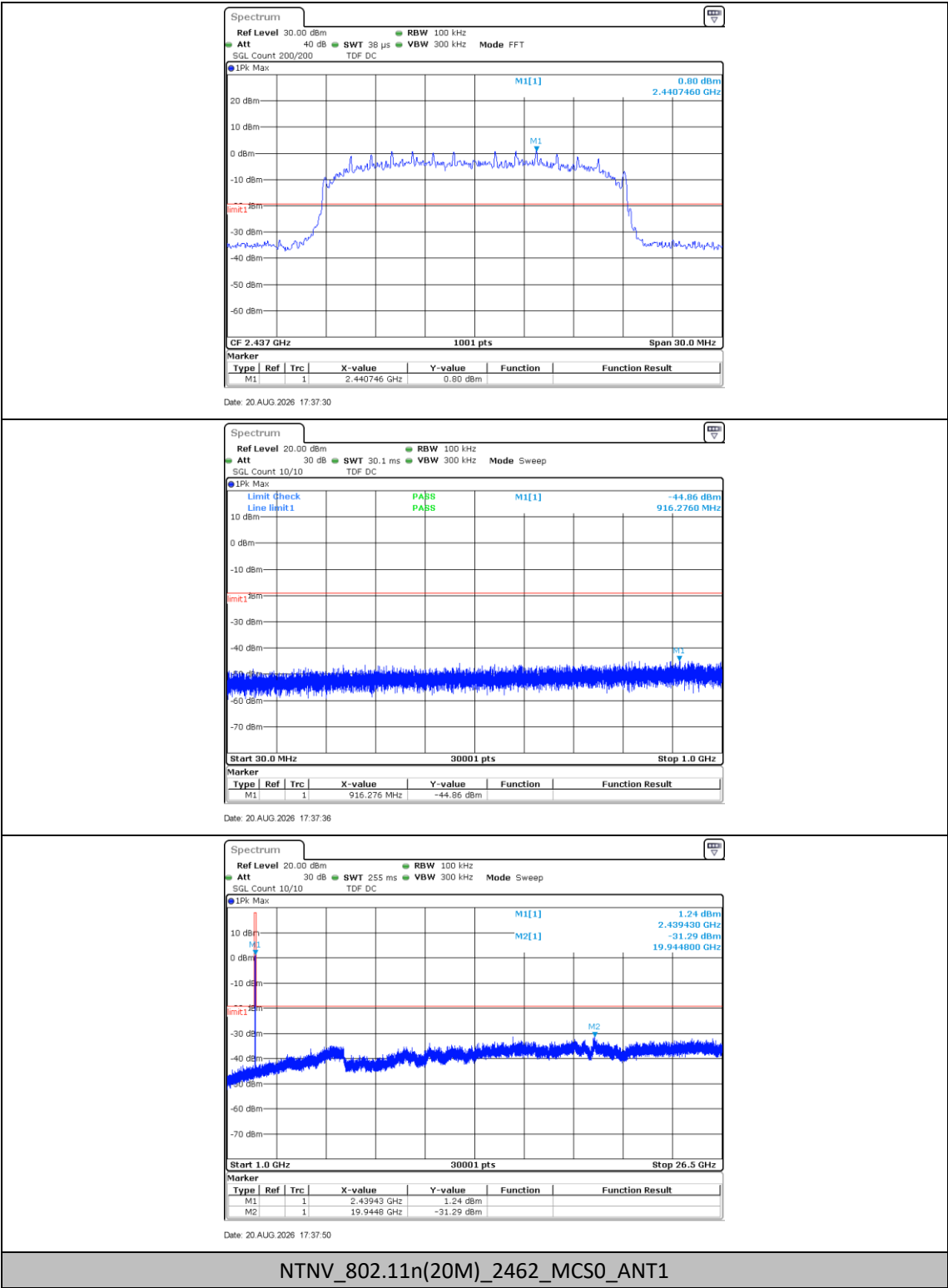


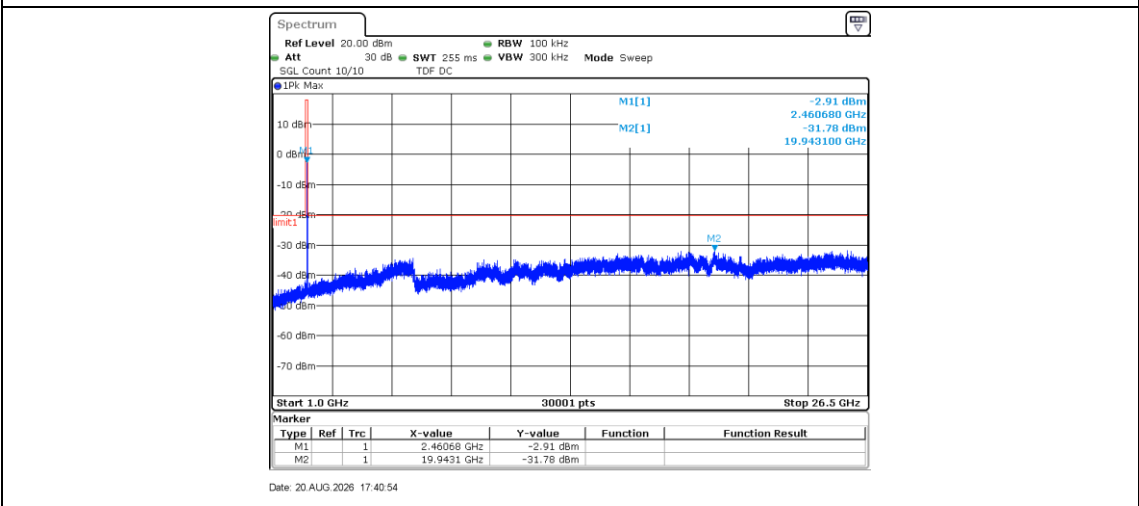
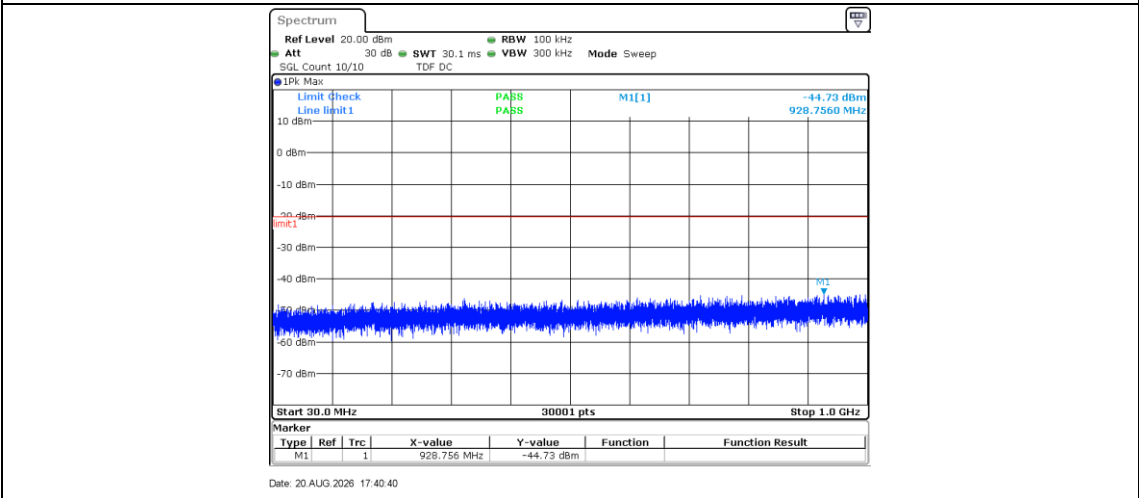
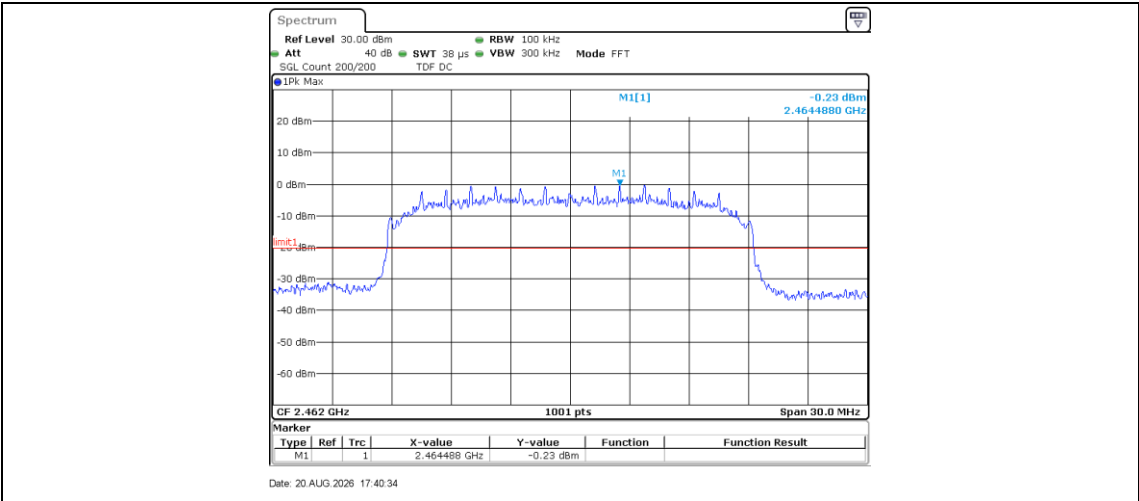
Date: 20 AUG 2026 17:31:32

NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1





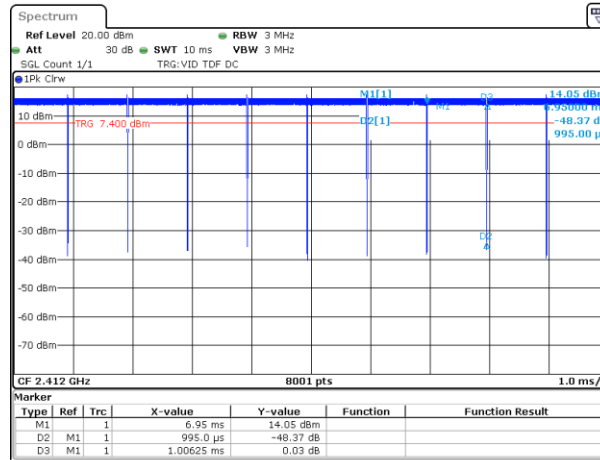
Appendix G: Duty Cycle

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	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	0.99	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

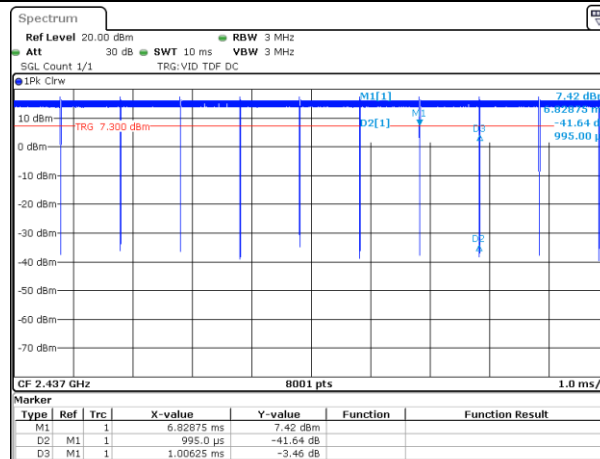
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



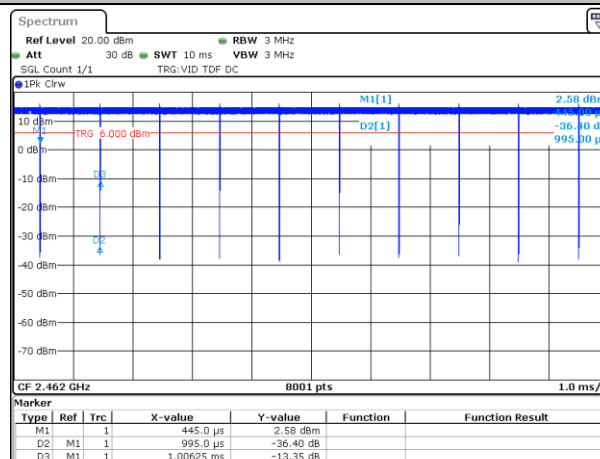
Date: 20 AUG.2026 17:15:15

NTNV_802.11b(20M)_2437_1Mbps_ANT1



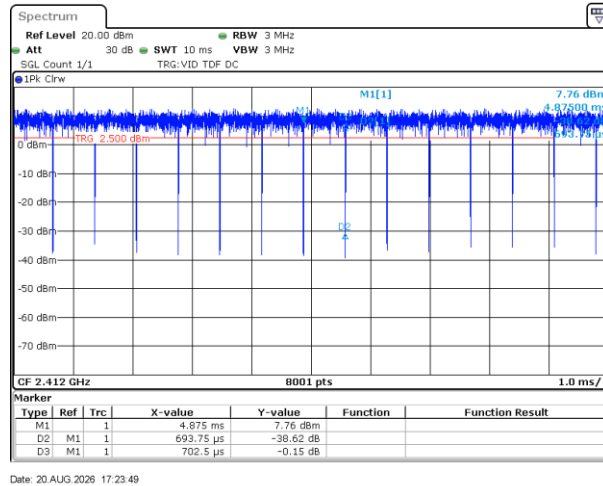
Date: 20 AUG.2026 17:18:09

NTNV_802.11b(20M)_2462_1Mbps_ANT1

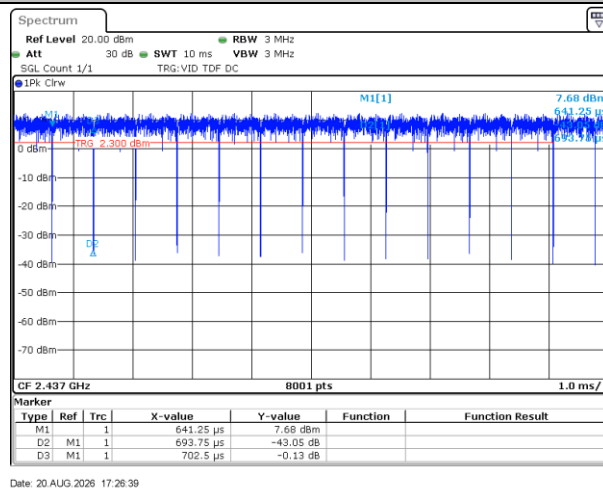


Date: 20 AUG.2026 17:21:04

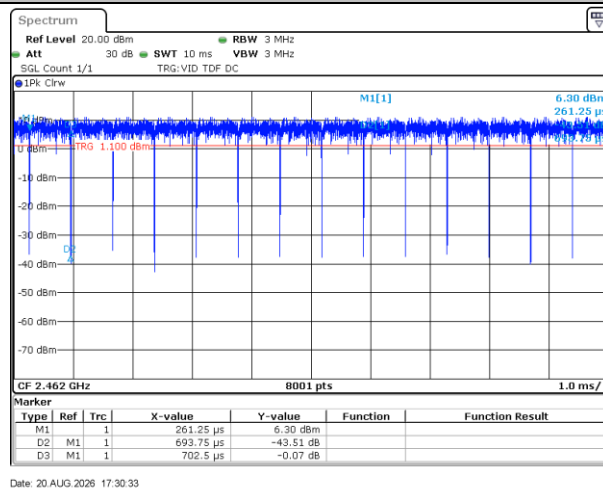
NTNV_802.11g(20M)_2412_6Mbps_ANT1



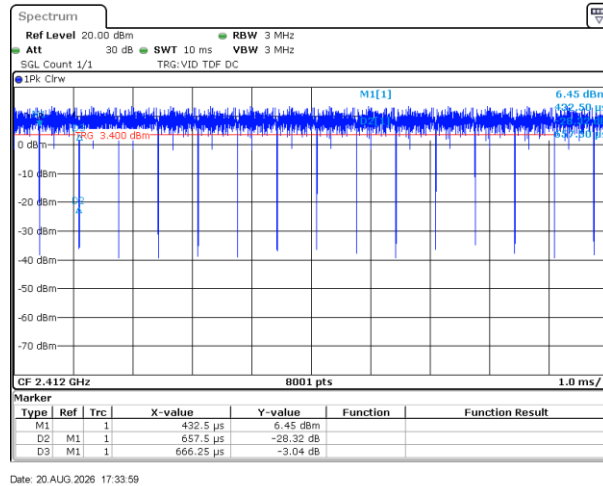
NTNV_802.11g(20M)_2437_6Mbps_ANT1



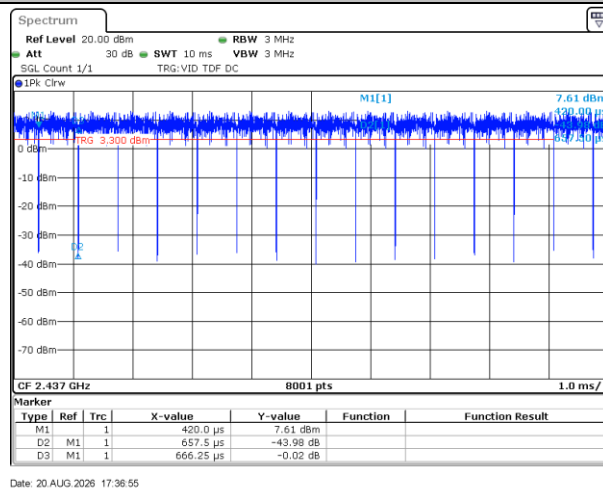
NTNV_802.11g(20M)_2462_6Mbps_ANT1



NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

