



CQASZ20260901998E-03

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

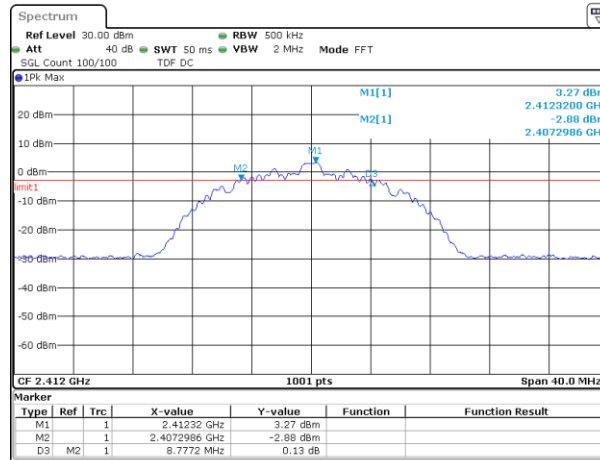
Appendix A: DTS Bandwidth

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	8.78	2407.00	2416.00	≥ 0.5	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	9.25	2432.00	2442.00	≥ 0.5	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	9.23	2457.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.25	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.84	2429.00	2445.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.64	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	16.15	2404.00	2420.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	17.05	2429.00	2446.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	16.15	2454.00	2470.00	≥ 0.5	Pass

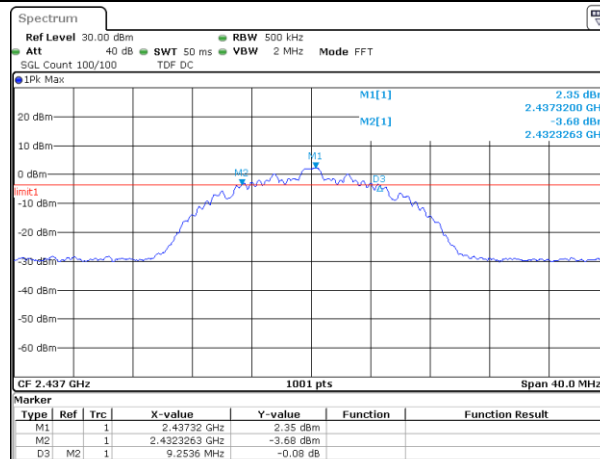
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



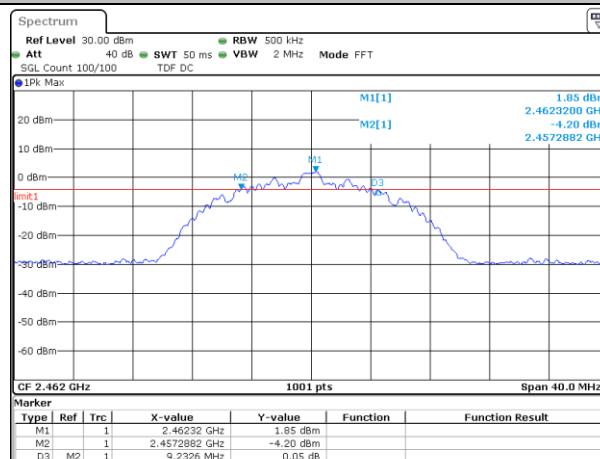
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



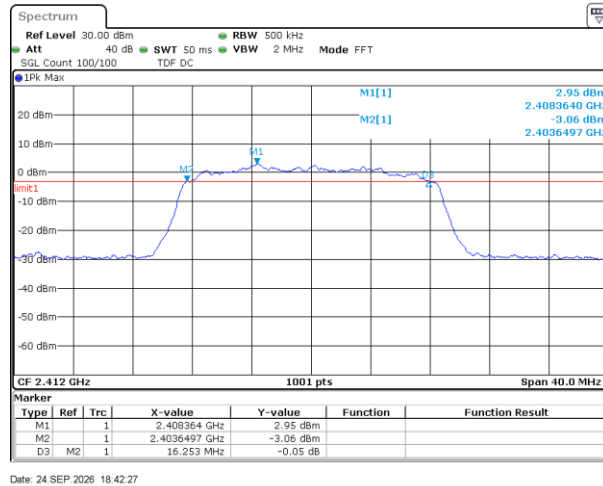
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

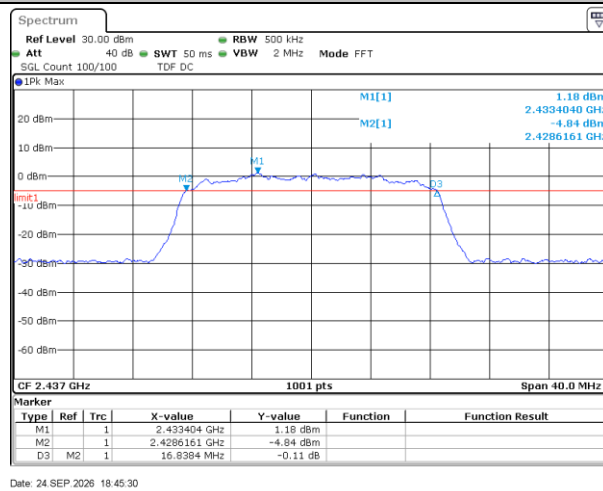


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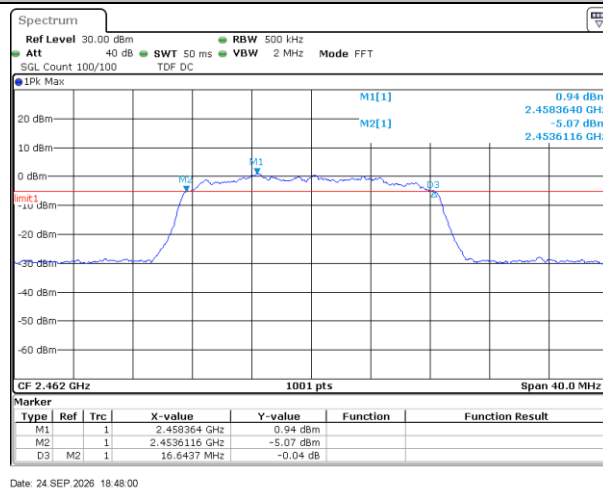
NTNV_802.11g(20M)_2412_6Mbps_ANT1



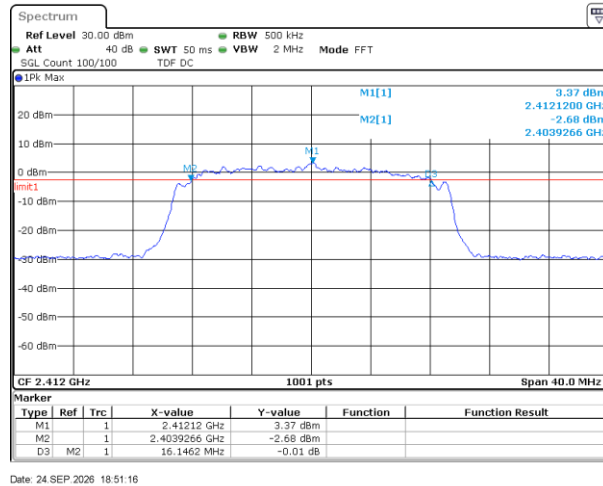
NTNV_802.11g(20M)_2437_6Mbps_ANT1



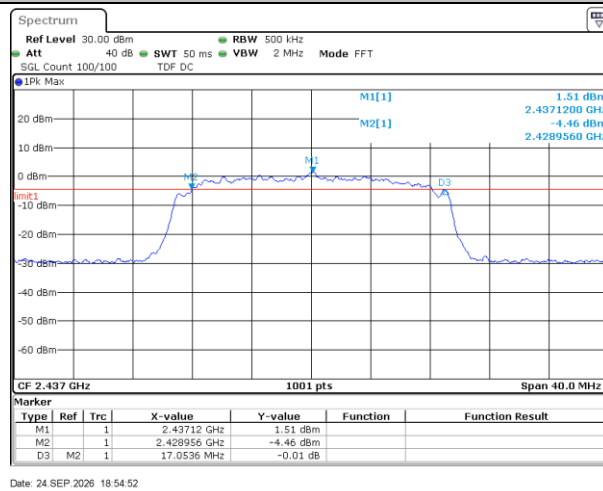
NTNV_802.11g(20M)_2462_6Mbps_ANT1



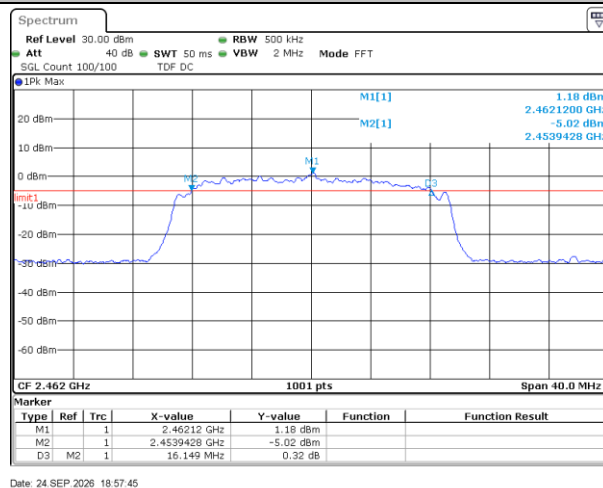
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



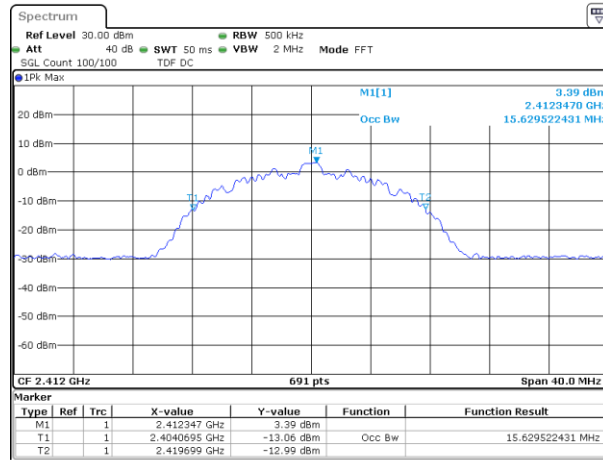
Appendix B: Occupied Channel Bandwidth

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(20M)	2412	1Mbps	ANT1	15.63	≥ 0.5	2404.00	2420.00	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	15.86	≥ 0.5	2429.00	2445.00	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	15.92	≥ 0.5	2454.00	2470.00	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	17.31	≥ 0.5	2403.00	2421.00	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	17.37	≥ 0.5	2428.00	2446.00	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	17.37	≥ 0.5	2453.00	2471.00	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	18.23	≥ 0.5	2403.00	2421.00	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	18.29	≥ 0.5	2428.00	2446.00	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	18.29	≥ 0.5	2453.00	2471.00	Pass

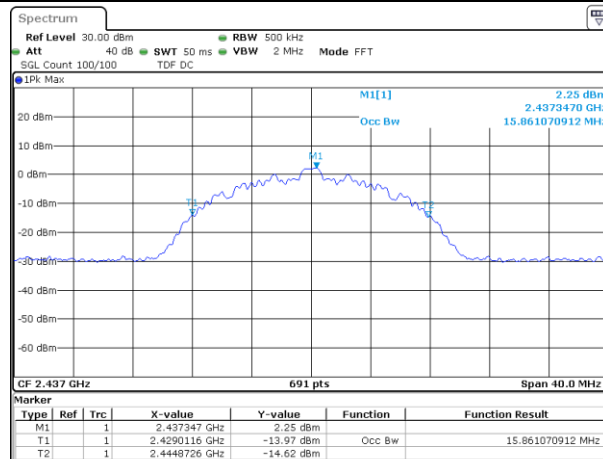
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



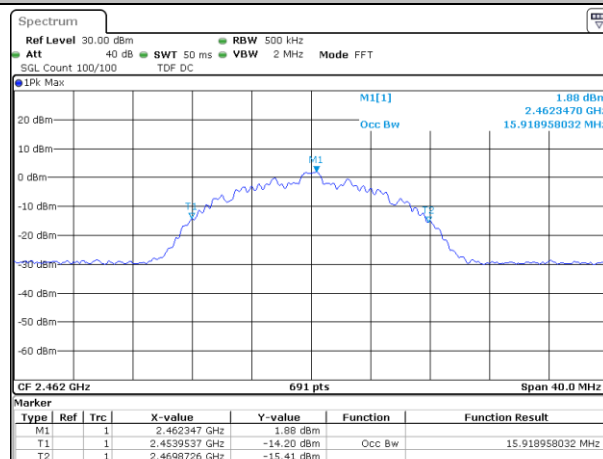
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



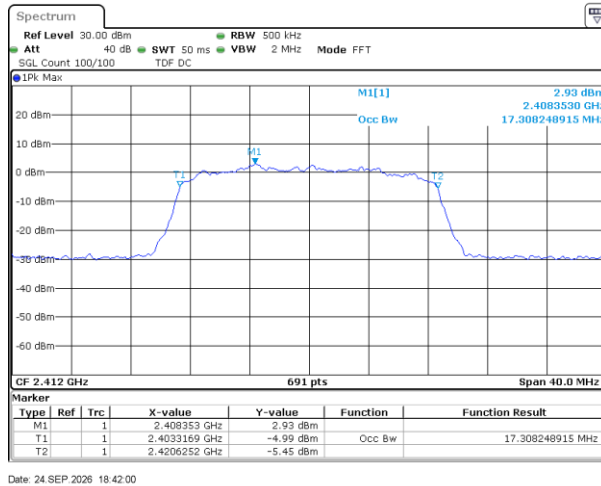
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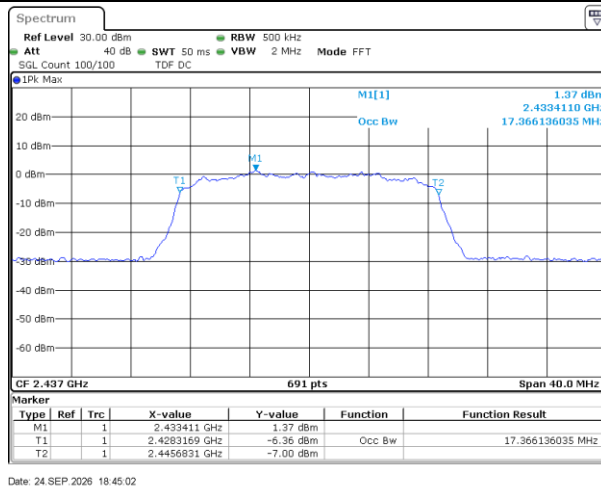


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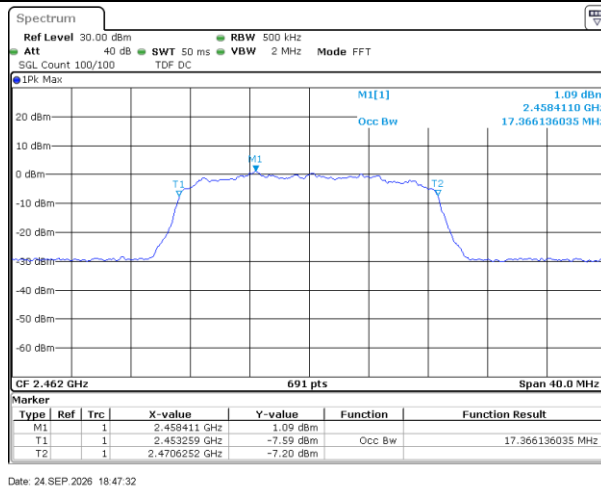
NTNV_802.11g(20M)_2412_6Mbps_ANT1



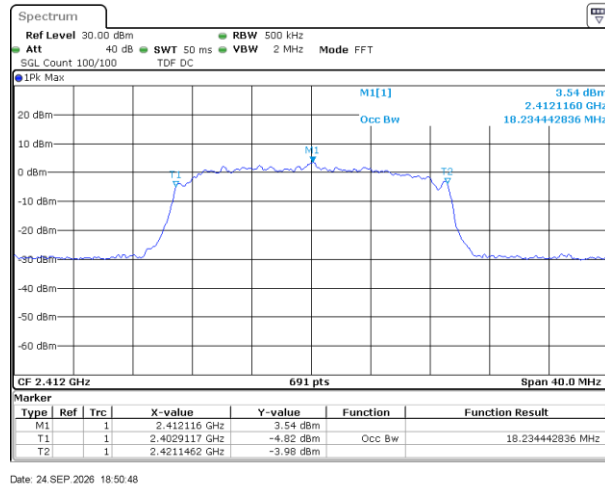
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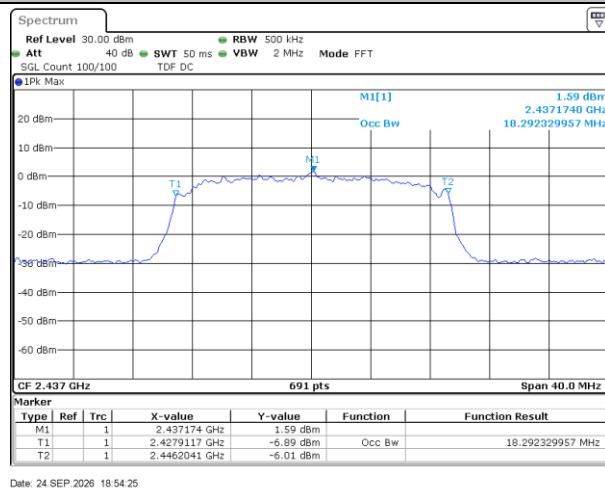
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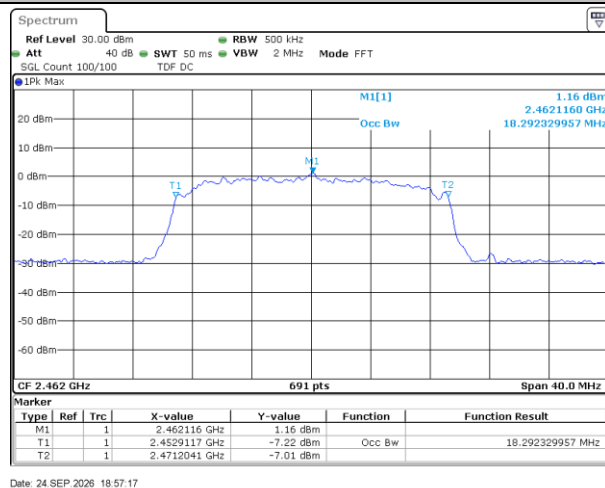
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

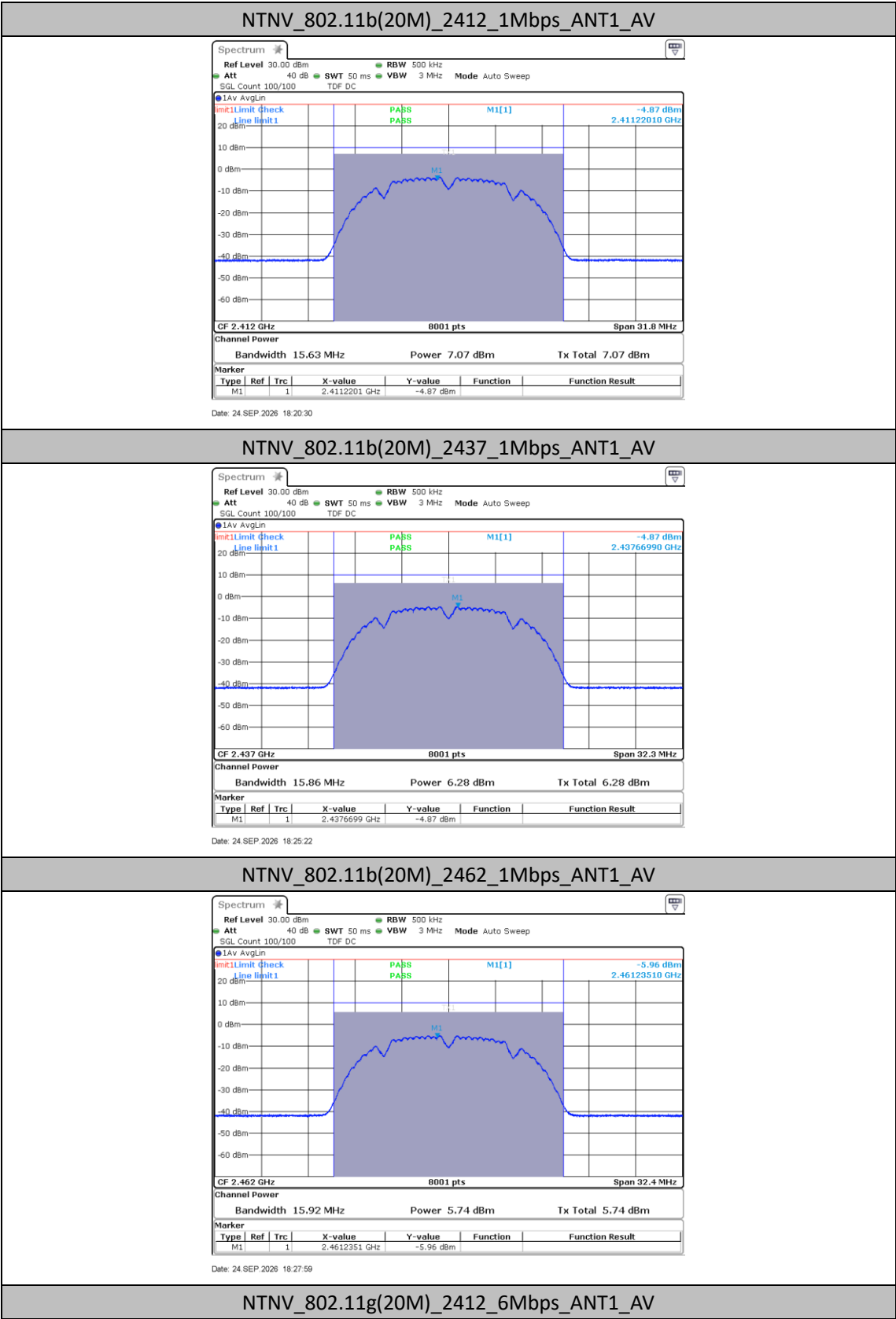


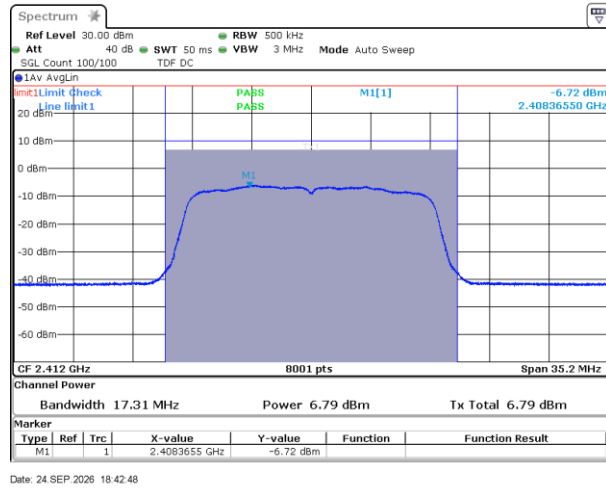
Appendix C: Maximum conducted output power

Test Result

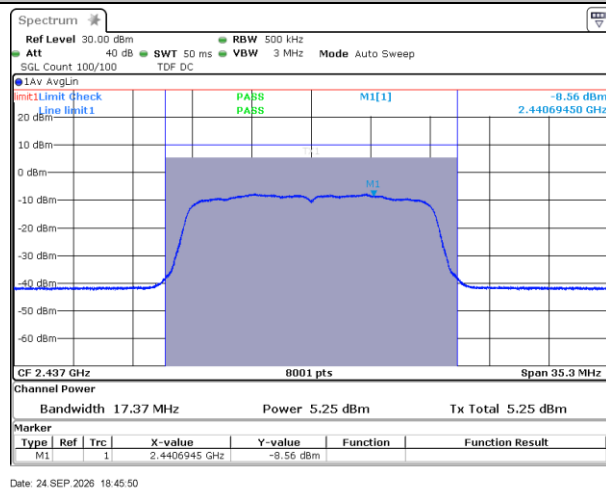
NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Average Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	802.11b(20M)	2412	AVER	ANT1	7.07	≤30	Pass
2	NTNV	802.11b(20M)	2437	AVER	ANT1	6.28	≤30	Pass
3	NTNV	802.11b(20M)	2462	AVER	ANT1	5.74	≤30	Pass
4	NTNV	802.11g(20M)	2412	AVER	ANT1	6.79	≤30	Pass
5	NTNV	802.11g(20M)	2437	AVER	ANT1	5.25	≤30	Pass
6	NTNV	802.11g(20M)	2462	AVER	ANT1	4.81	≤30	Pass
7	NTNV	802.11n(20M)	2412	AVER	ANT1	6.84	≤30	Pass
8	NTNV	802.11n(20M)	2437	AVER	ANT1	5.13	≤30	Pass
9	NTNV	802.11n(20M)	2462	AVER	ANT1	4.61	≤30	Pass

Test Graphs

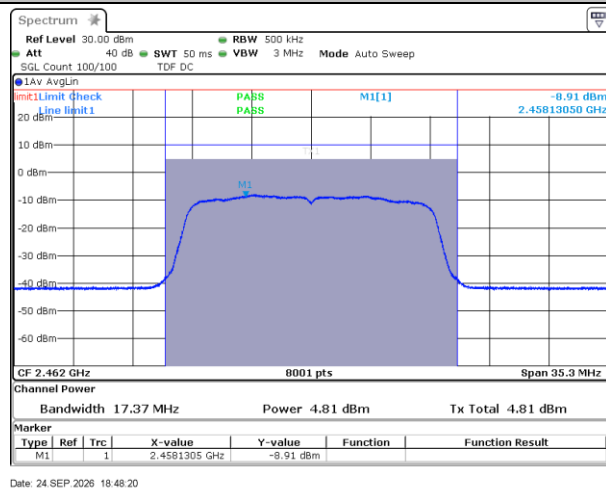




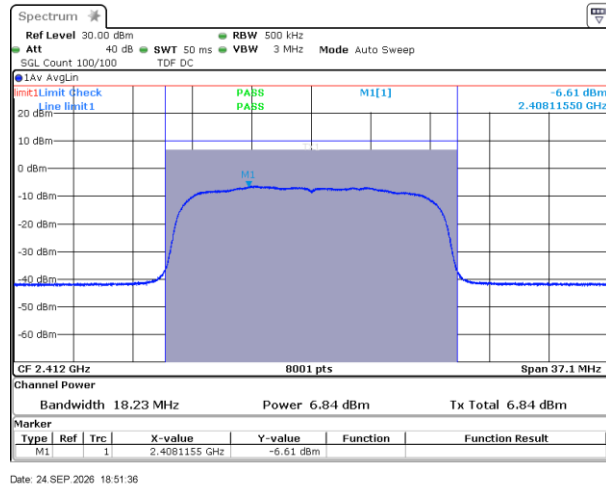
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



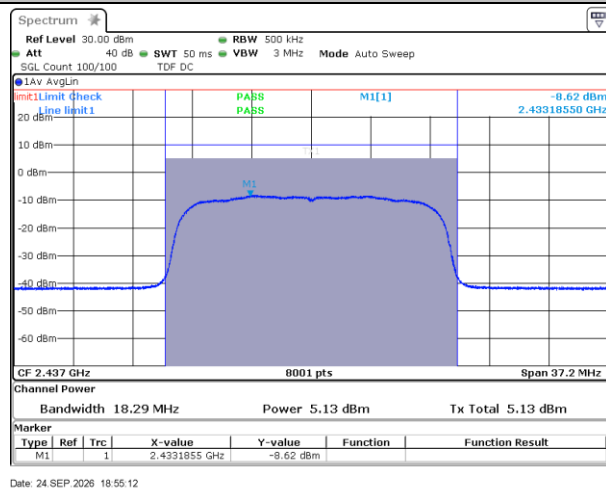
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



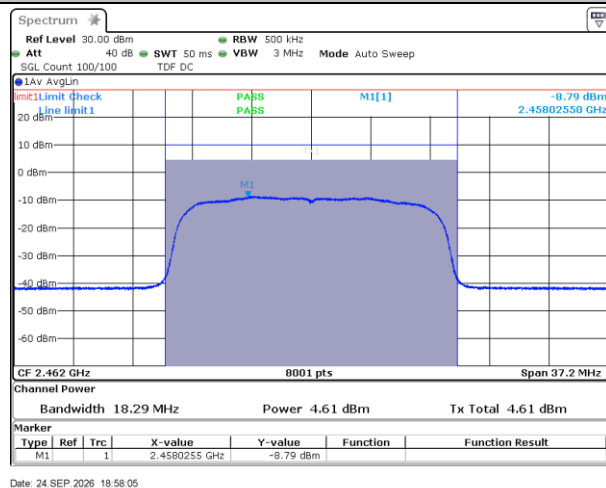
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



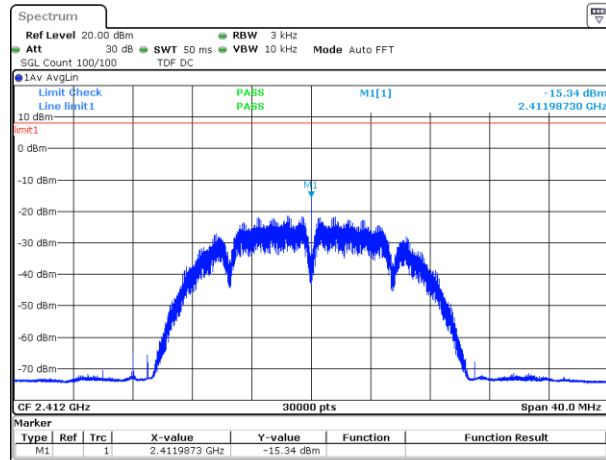
Appendix D: Maximum power spectral density

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	-15.34	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-16.50	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-17.55	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-21.18	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-21.75	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-22.56	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-21.41	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-23.39	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-23.67	≤ 8	Pass

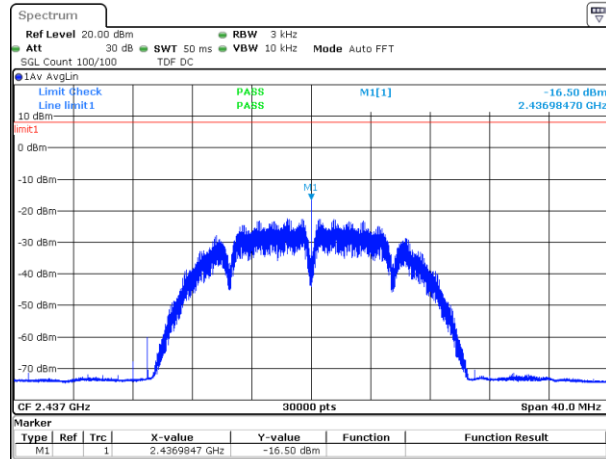
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



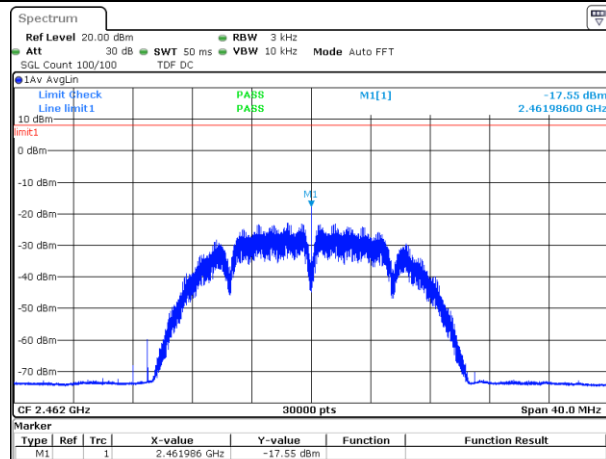
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



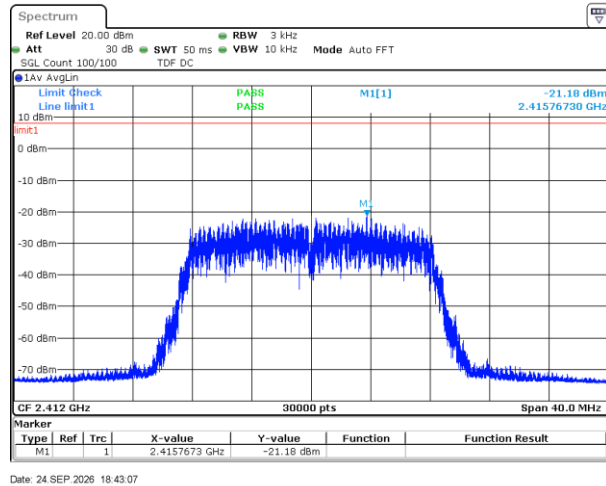
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

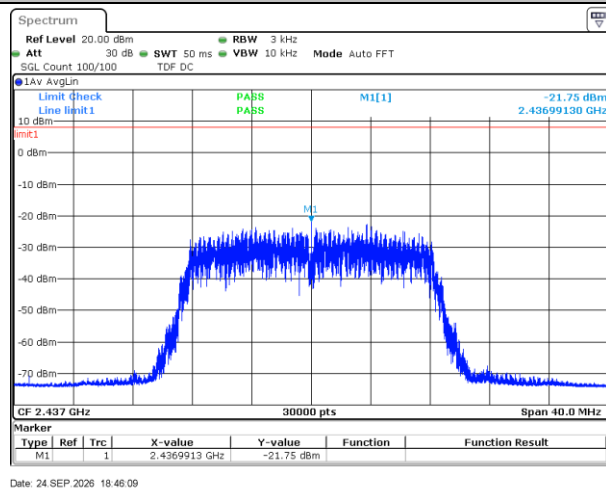


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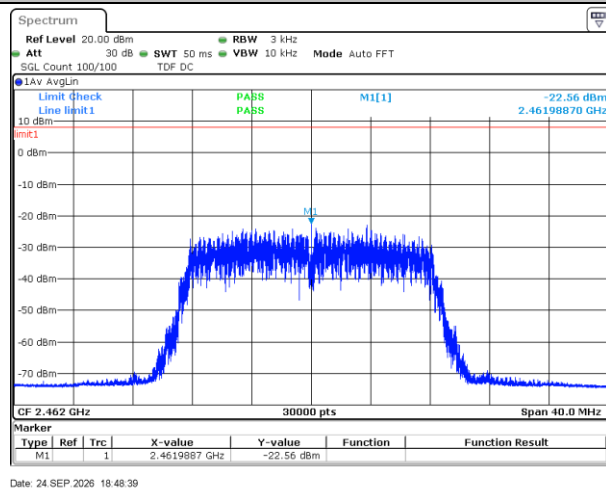
NTNV_802.11g(20M)_2412_6Mbps_ANT1



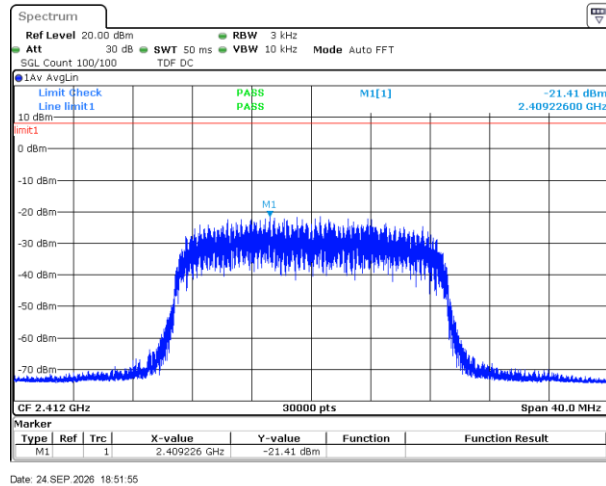
NTNV_802.11g(20M)_2437_6Mbps_ANT1



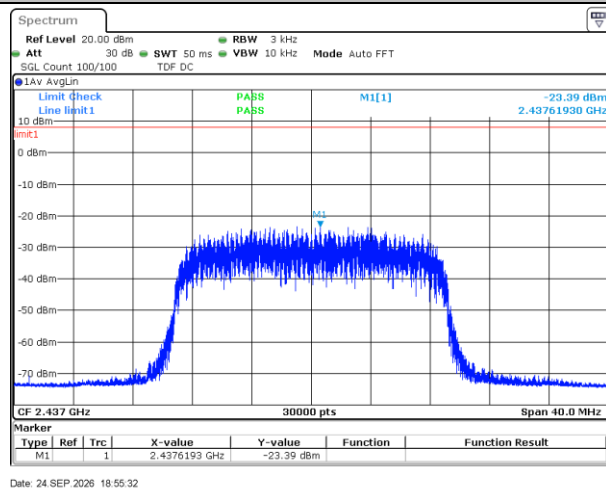
NTNV_802.11g(20M)_2462_6Mbps_ANT1



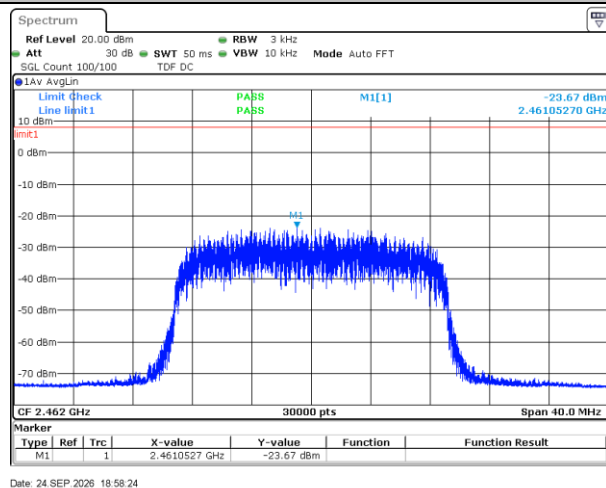
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



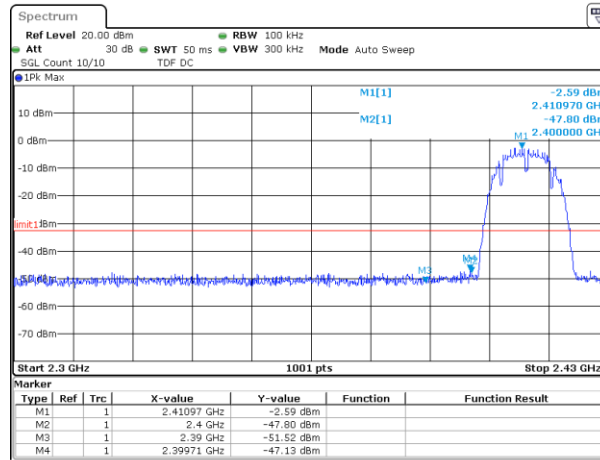
Appendix E: Band edge measurements

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	-2.59	-47.13	$\leq$ -32.59	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-4.03	-47.67	$\leq$ -34.03	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-2.82	-47.04	$\leq$ -32.82	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-4.89	-47.19	$\leq$ -34.89	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	-2.91	-46.04	$\leq$ -32.91	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-4.93	-47.19	$\leq$ -34.93	Pass

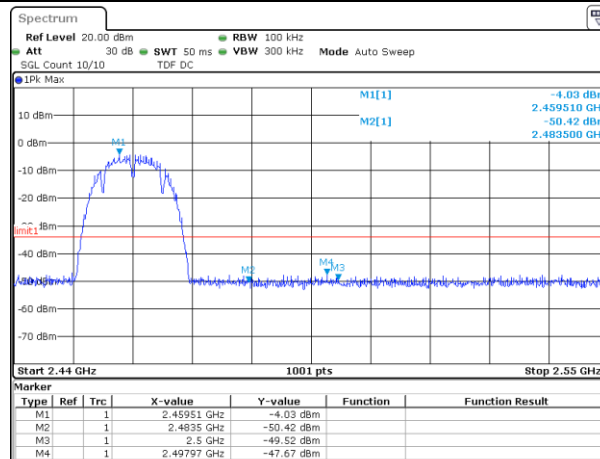
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



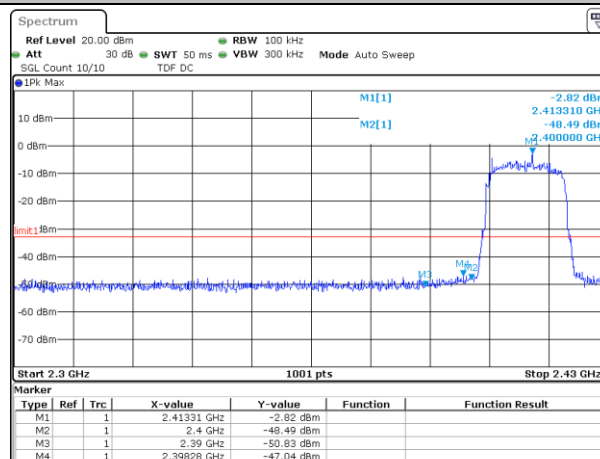
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



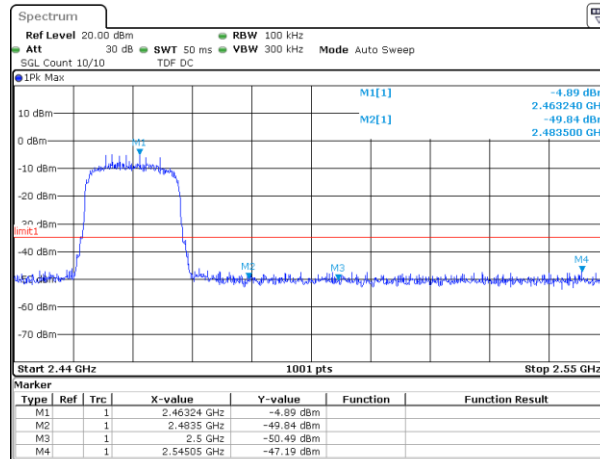
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



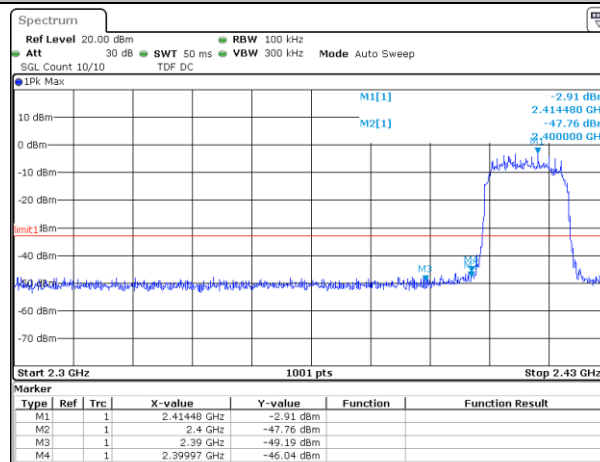
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



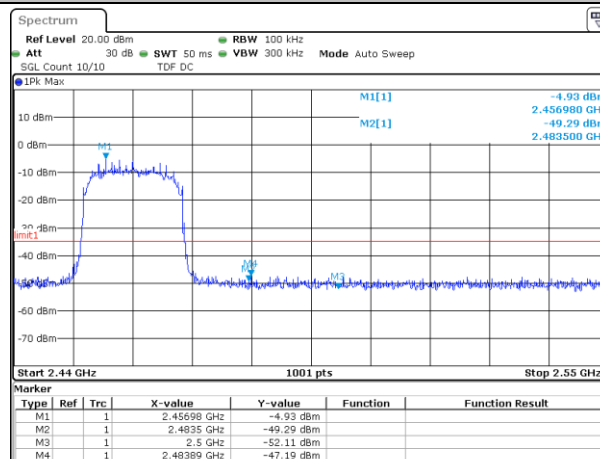
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NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 24 SEP 2026 18:51:59

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 24 SEP 2026 18:58:28

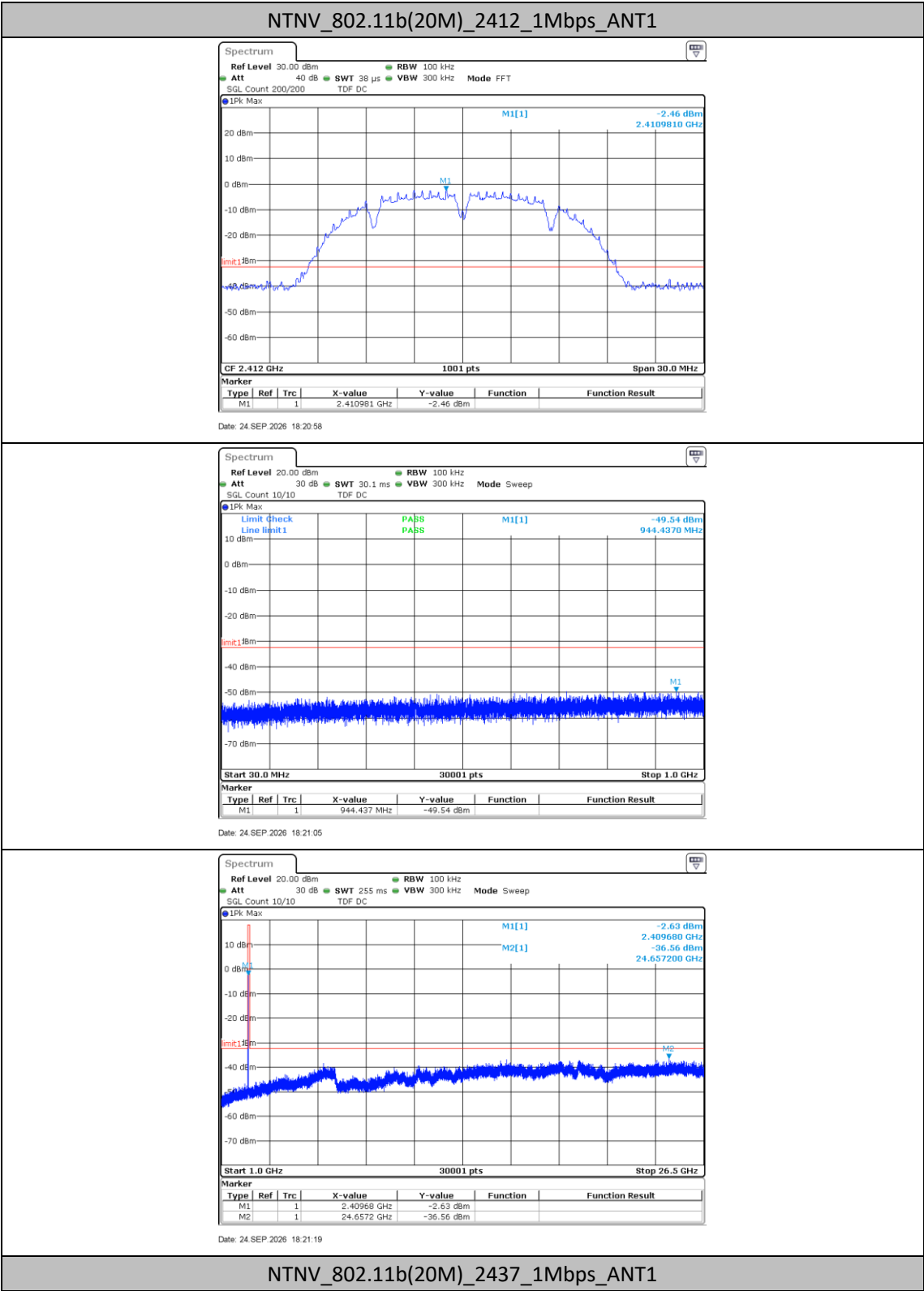
Appendix F: Conducted Spurious Emission

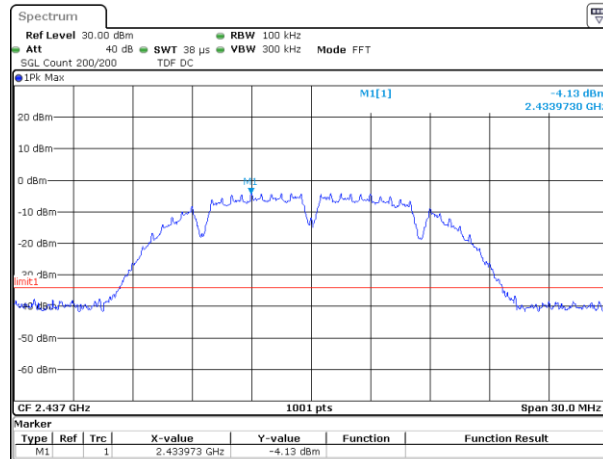
Test Result

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	-2.46	/	PASS
						30~1000	0.1	-49.54	≤-32.46	Pass
						1000~26500	0.1	-36.56	≤-32.46	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	-4.13	/	PASS
						30~1000	0.1	-49.40	≤-34.13	Pass
						1000~26500	0.1	-36.05	≤-34.13	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	-4.08	/	PASS
						30~1000	0.1	-49.41	≤-34.08	Pass
						1000~26500	0.1	-36.03	≤-34.08	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	-2.64	/	PASS
						30~1000	0.1	-49.83	≤-32.64	Pass
						1000~26500	0.1	-36.68	≤-32.64	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	-4.09	/	PASS
						30~1000	0.1	-48.63	≤-34.09	Pass
						1000~26500	0.1	-36.37	≤-34.09	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-4.59	/	PASS
						30~1000	0.1	-48.94	≤-34.59	Pass
						1000~26500	0.1	-36.03	≤-34.59	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	-3.09	/	PASS
						30~1000	0.1	-49.59	≤-33.09	Pass
						1000~26500	0.1	-36.56	≤-33.09	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	-4.4	/	PASS
						30~1000	0.1	-49.07	≤-34.40	Pass
						1000~26500	0.1	-36.43	≤-34.40	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	-4.84	/	PASS

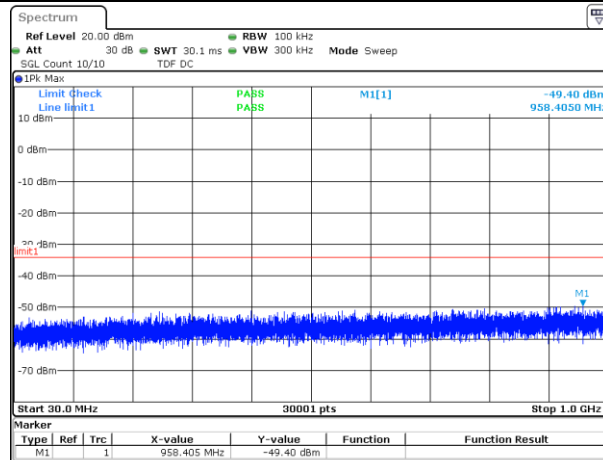
						30~1000	0.1	-49.26	≤ -34.84	Pass
						1000~26500	0.1	-36.89	≤ -34.84	Pass

Test Graphs

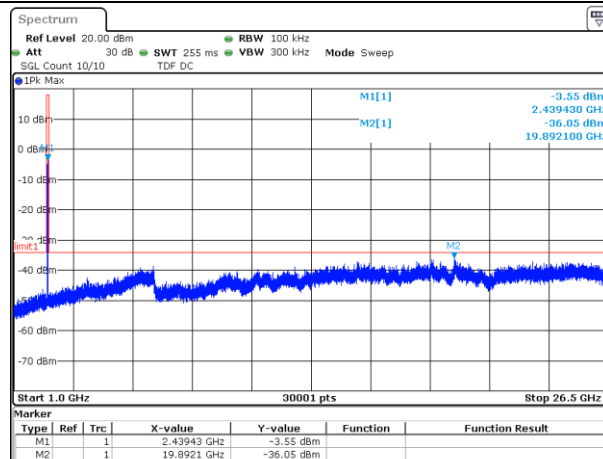




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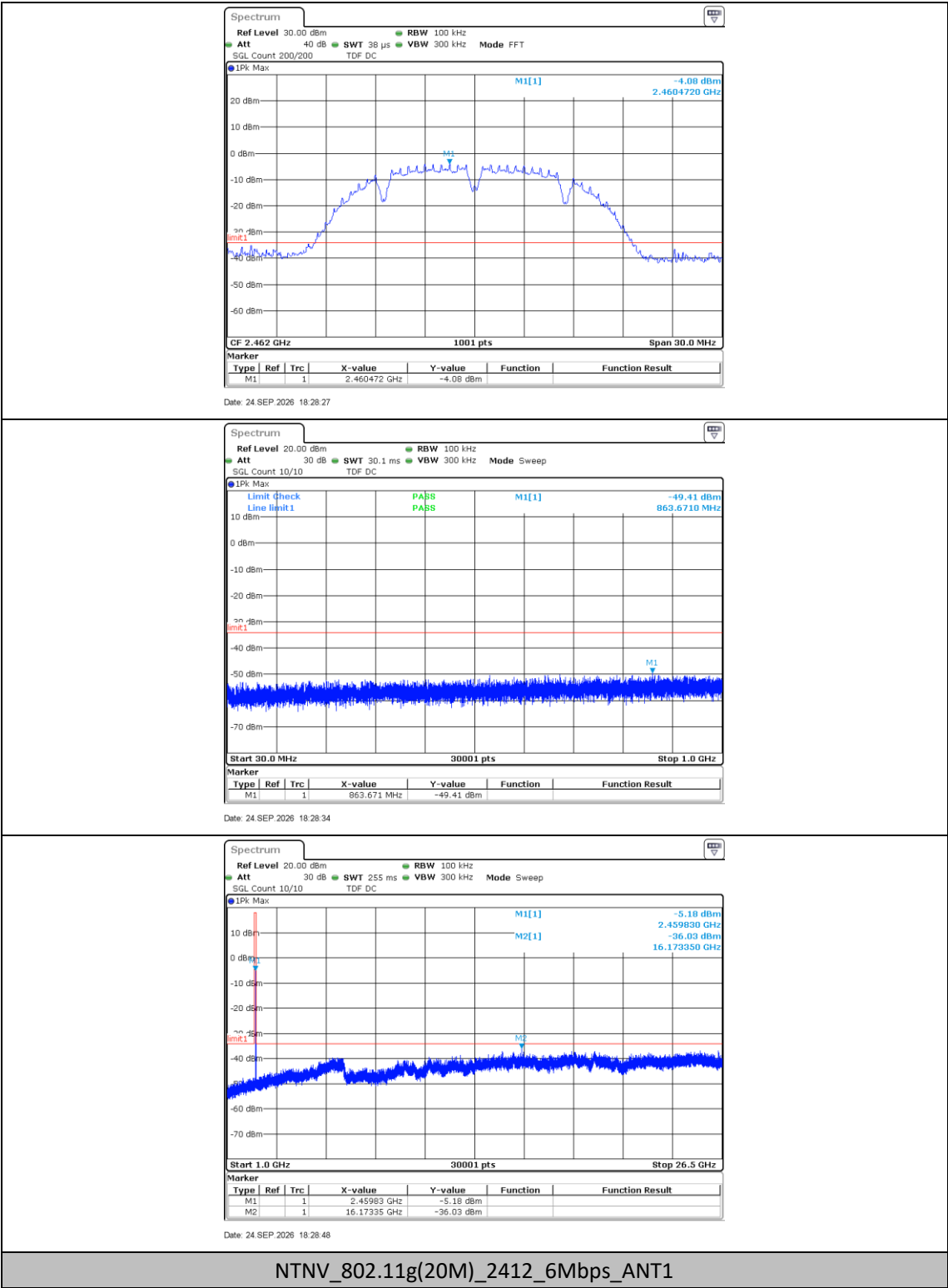


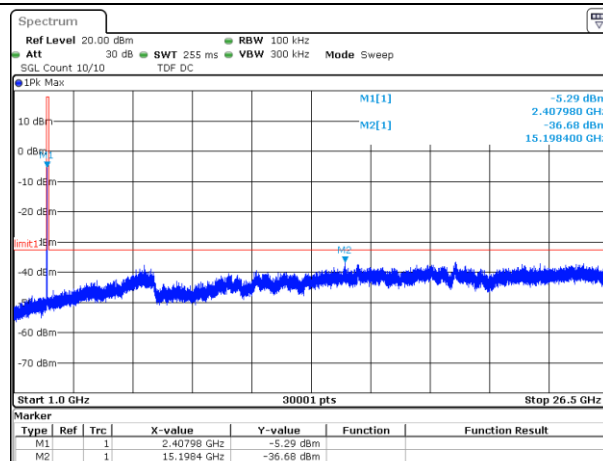
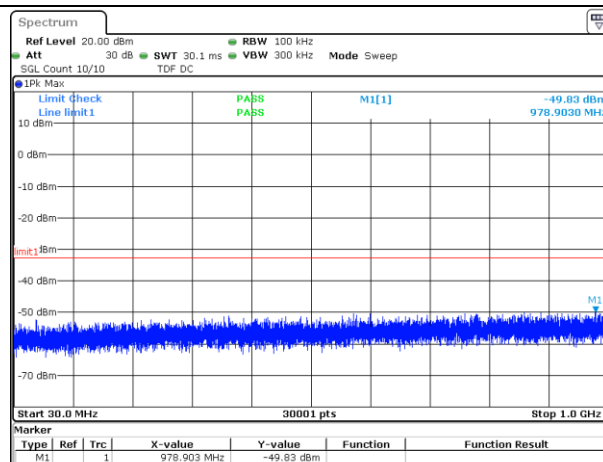
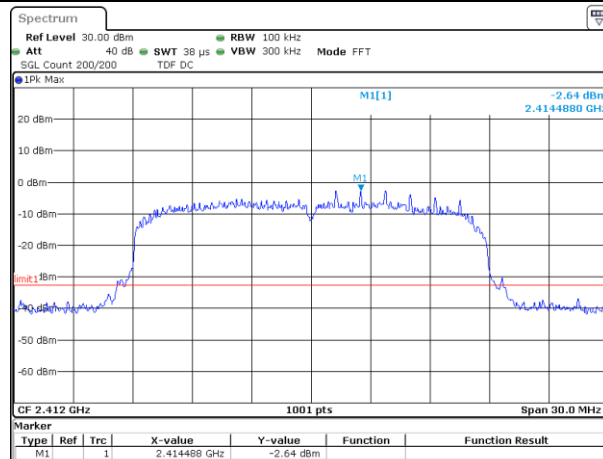
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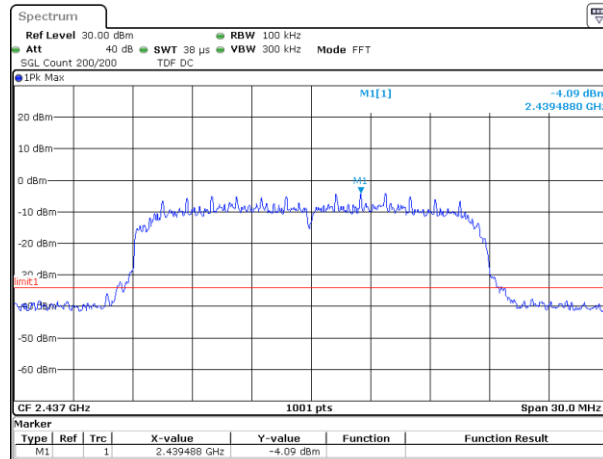
Date: 24 SEP 2026 18:26:08

NTNV_802.11b(20M)_2462_1Mbps_ANT1

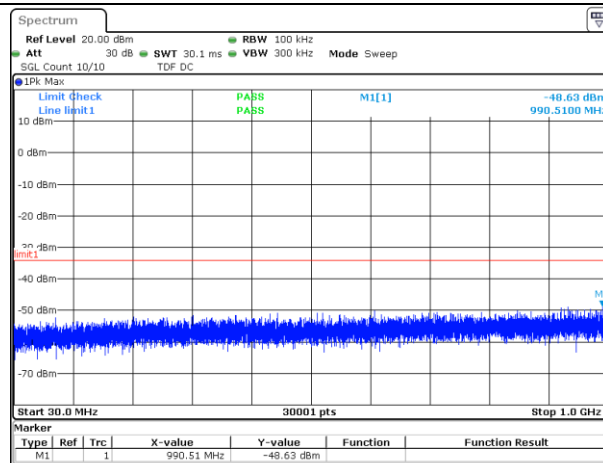




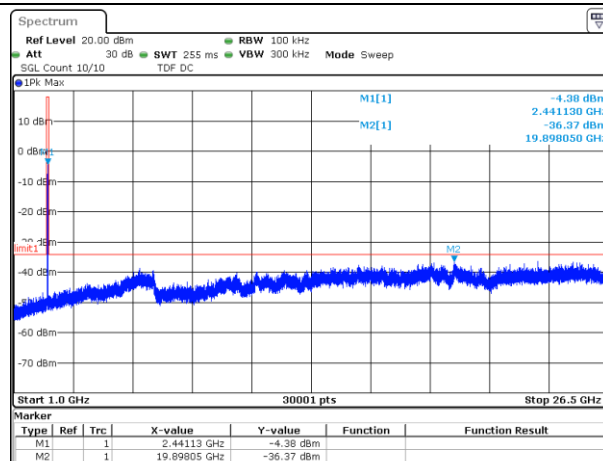
NTNV_802.11g(20M)_2437_6Mbps_ANT1



Date: 24 SEP 2026 18:46:15

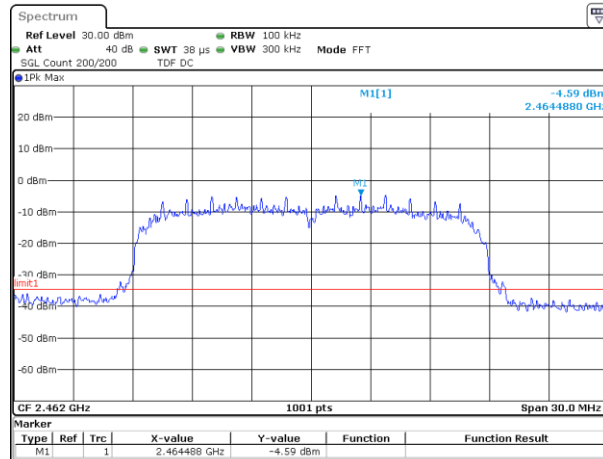


Date: 24 SEP 2026 18:46:21

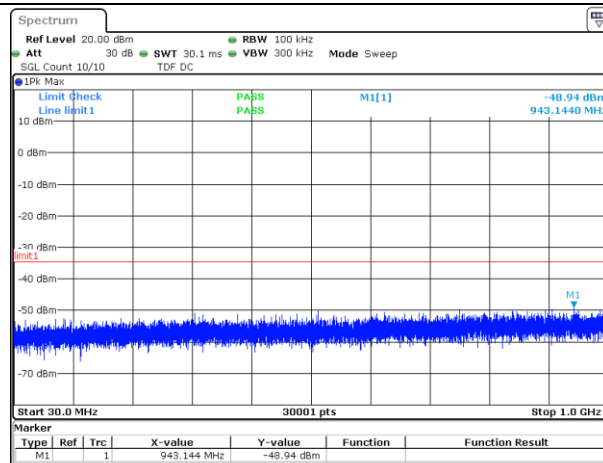


Date: 24 SEP 2026 18:46:35

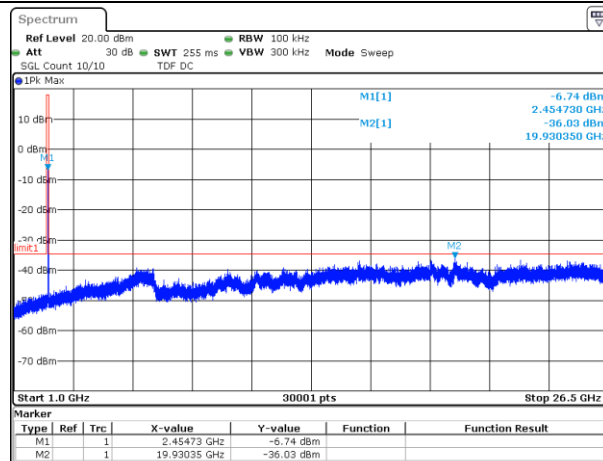
NTNV_802.11g(20M)_2462_6Mbps_ANT1



Date: 24 SEP 2026 18:48:49

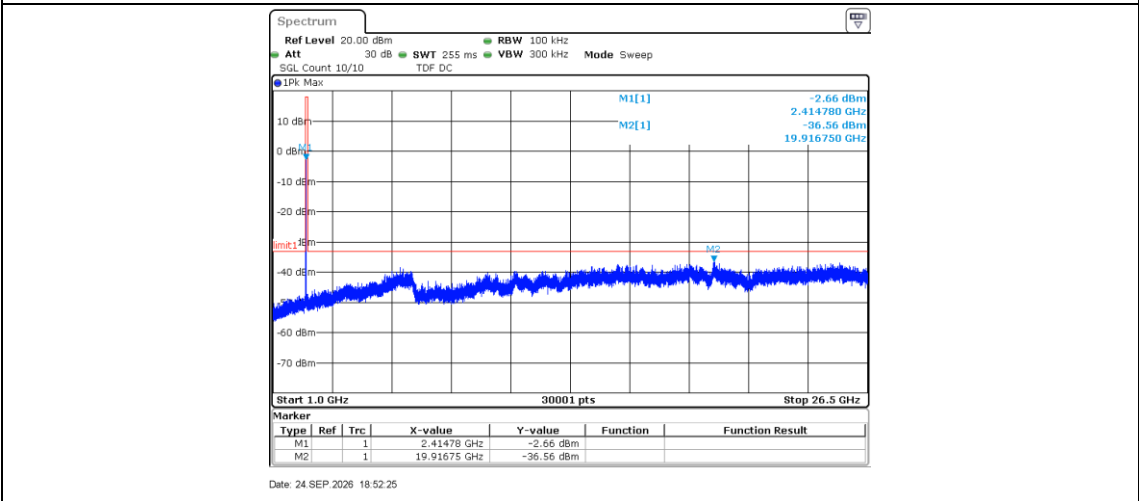
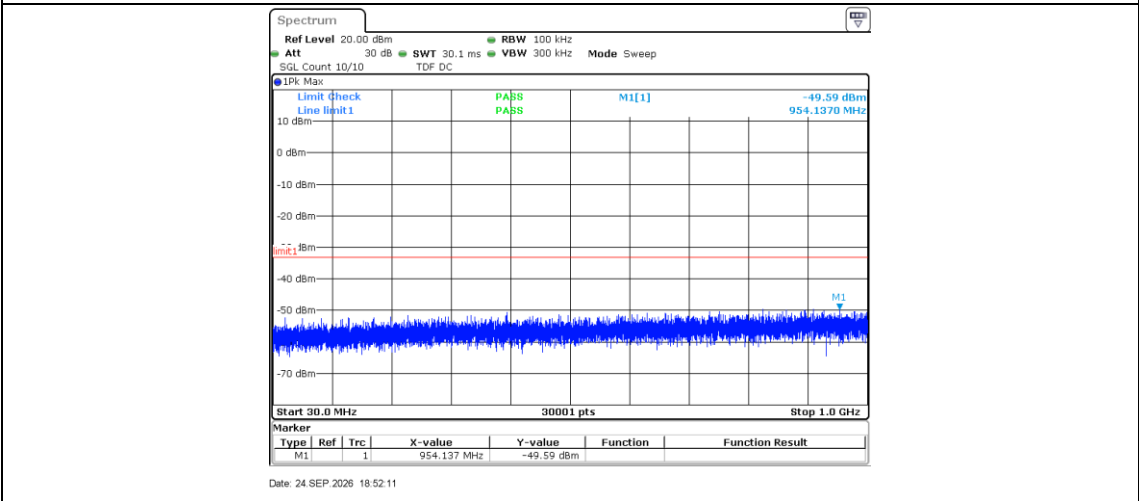
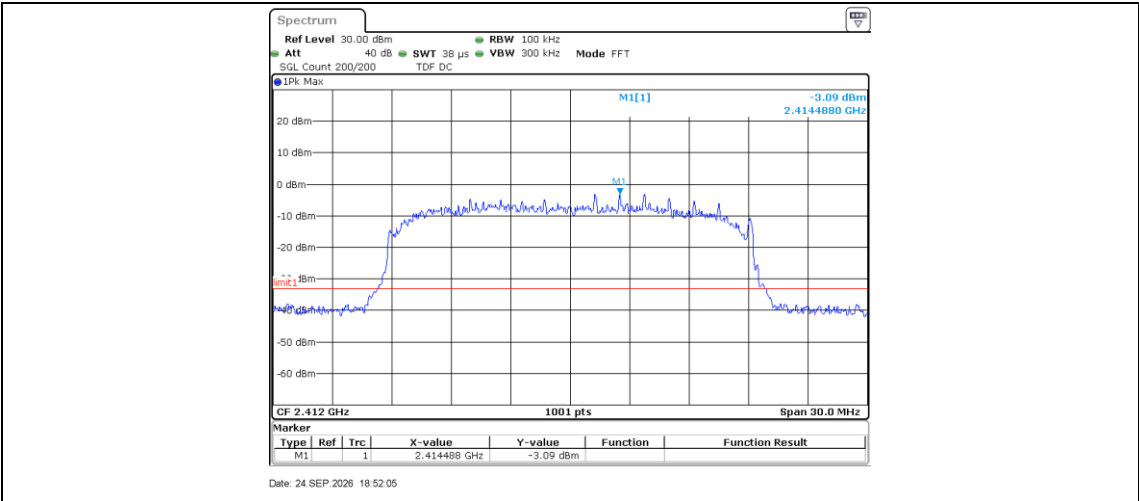


Date: 24 SEP 2026 18:48:55

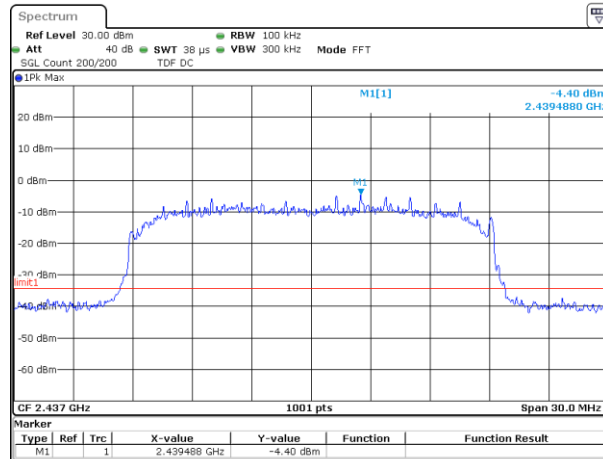


Date: 24 SEP 2026 18:49:09

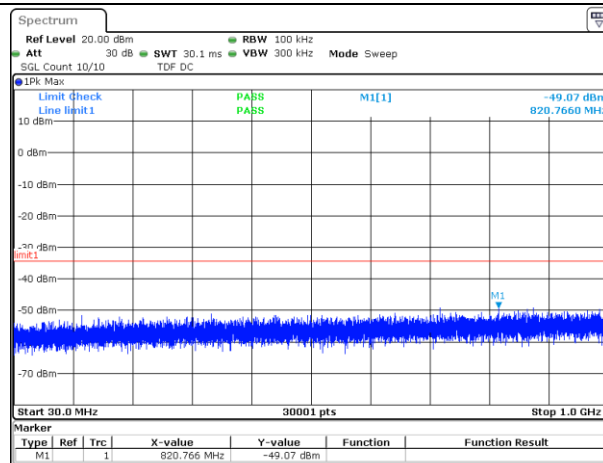
NTNV_802.11n(20M)_2412_MCS0_ANT1



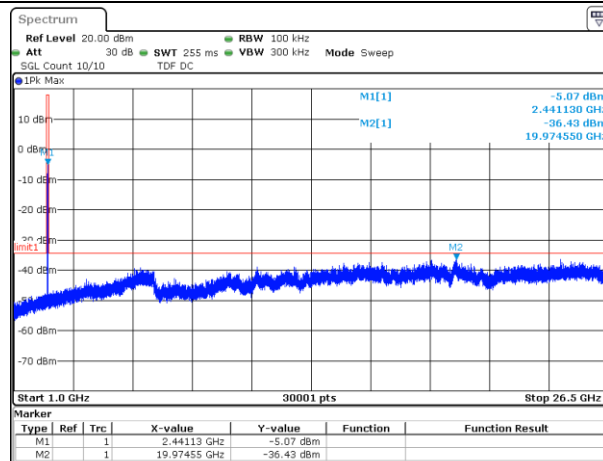
NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 24 SEP 2026 18:55:37

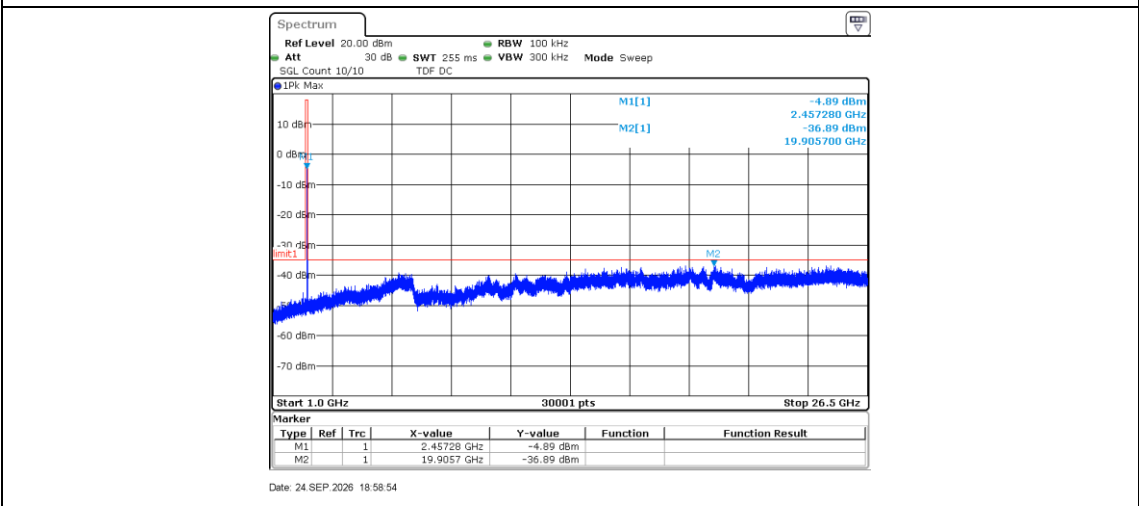
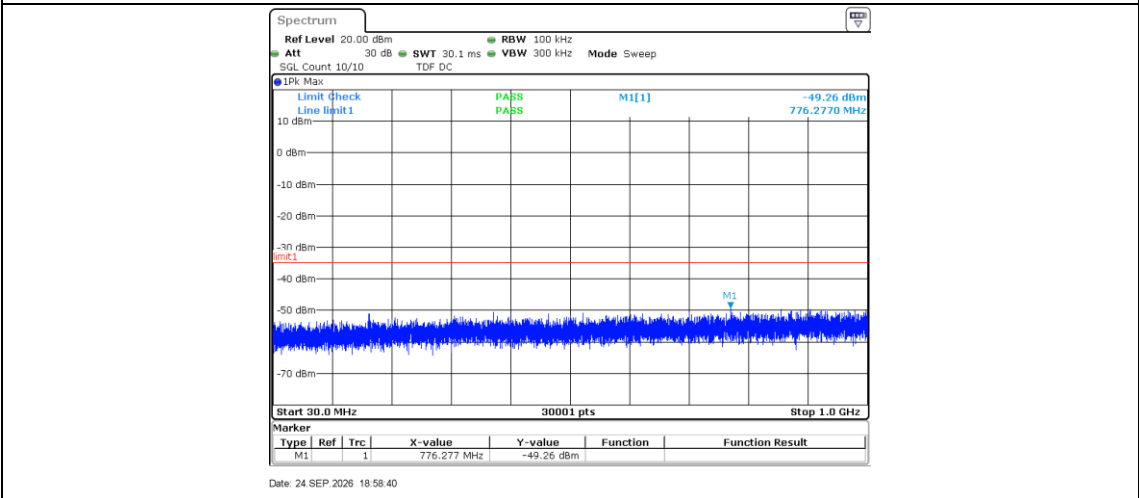
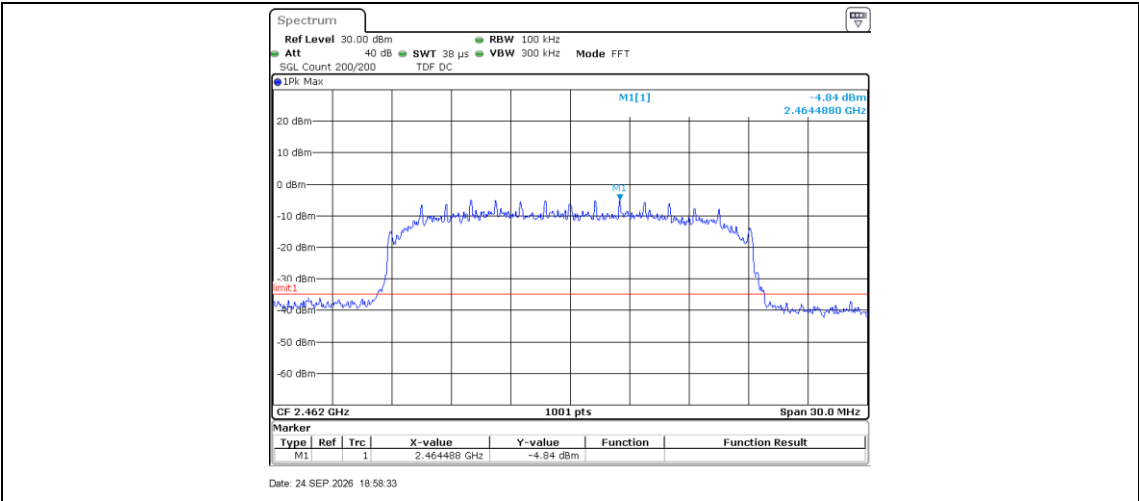


Date: 24 SEP 2026 18:55:43



Date: 24 SEP 2026 18:55:58

NTNV_802.11n(20M)_2462_MCS0_ANT1



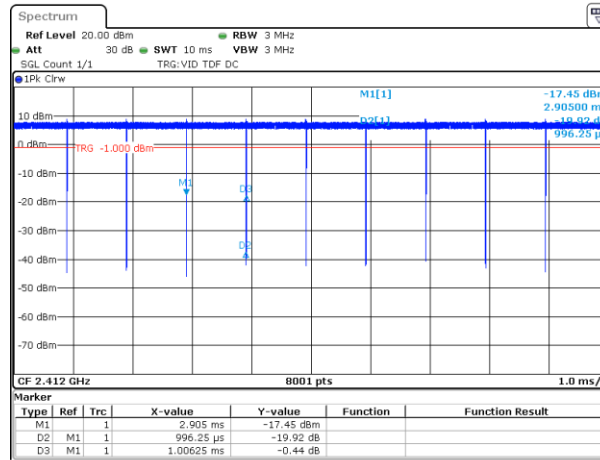
Appendix G: Duty Cycle

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	99.01
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

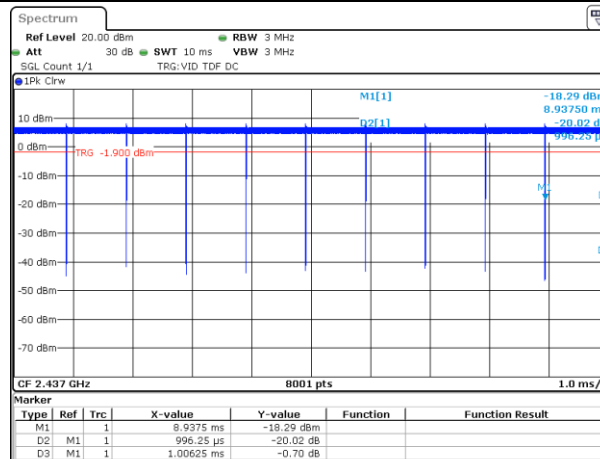
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



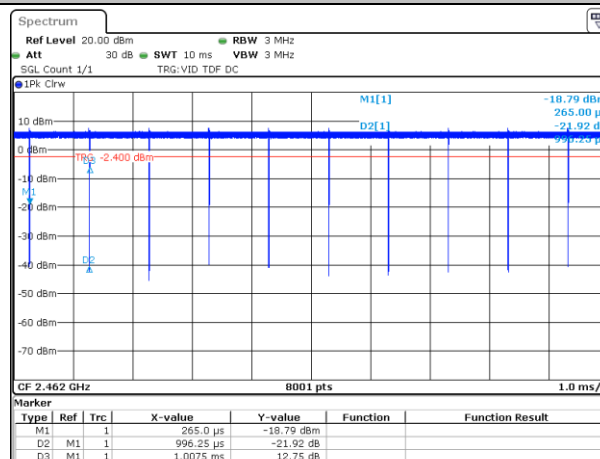
Date: 24 SEP 2026 18:20:19

NTNV_802.11b(20M)_2437_1Mbps_ANT1



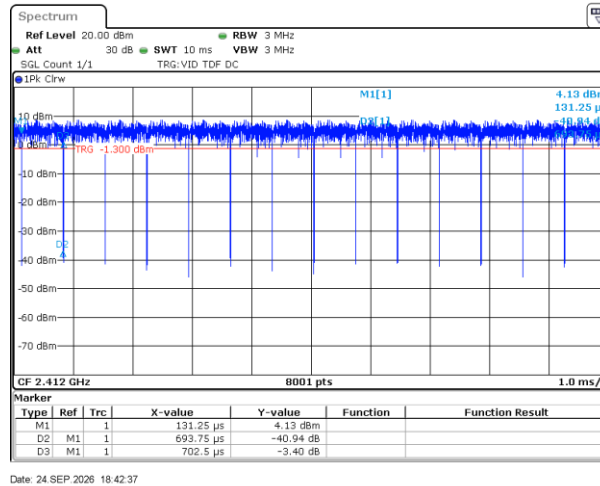
Date: 24 SEP 2026 18:25:12

NTNV_802.11b(20M)_2462_1Mbps_ANT1

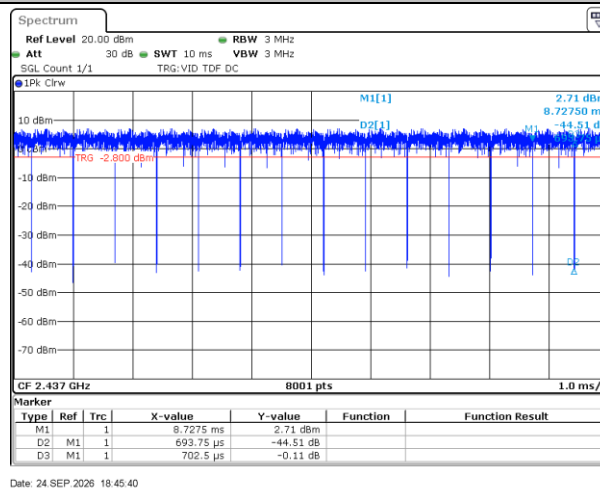


Date: 24 SEP 2026 18:27:49

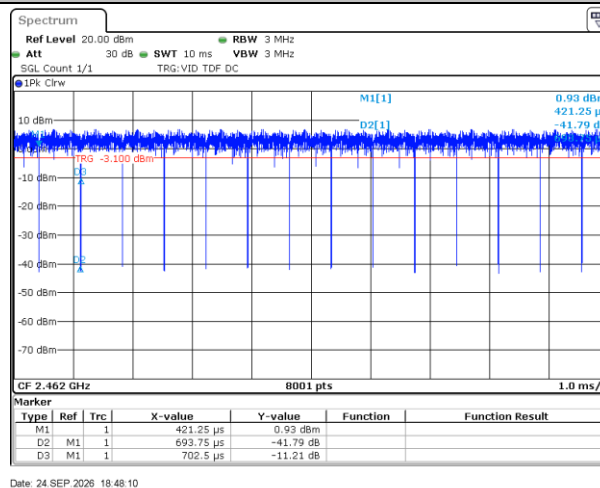
NTNV_802.11g(20M)_2412_6Mbps_ANT1



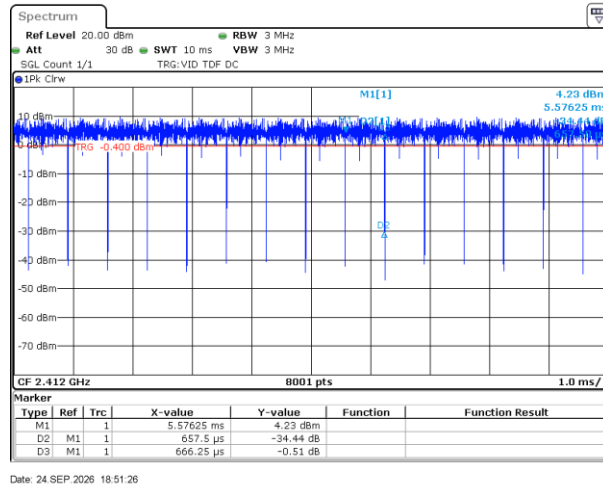
NTNV_802.11g(20M)_2437_6Mbps_ANT1



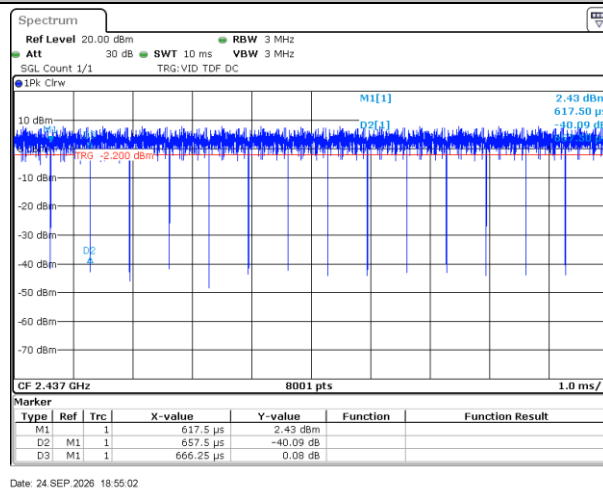
NTNV_802.11g(20M)_2462_6Mbps_ANT1



NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1

