



CQASZ20260901945E-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

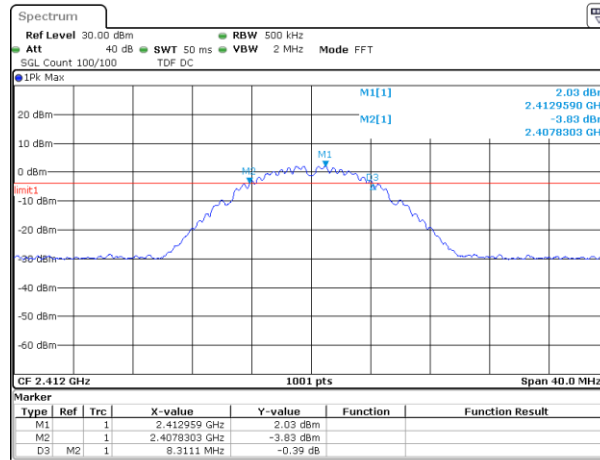
Appendix A: DTS Bandwidth

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	8.31	2408.00	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	8.31	2458.00	2466.00	≥ 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	16.35	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	17.53	2403.00	2421.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	17.66	2428.00	2446.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	17.62	2453.00	2471.00	≥ 0.5	Pass

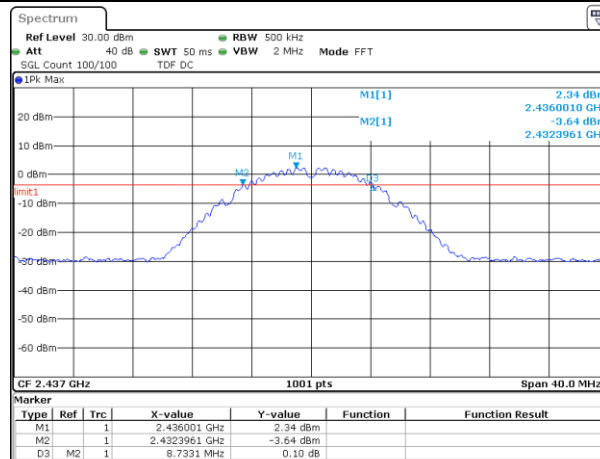
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



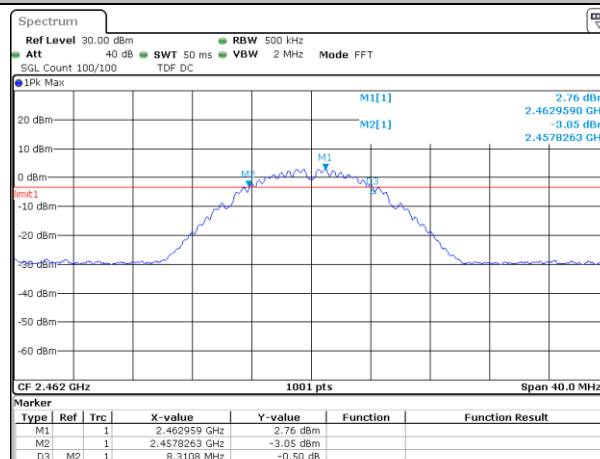
Date: 28 SEP 2026 18:45:31

NTNV_802.11b(20M)_2437_1Mbps_ANT1



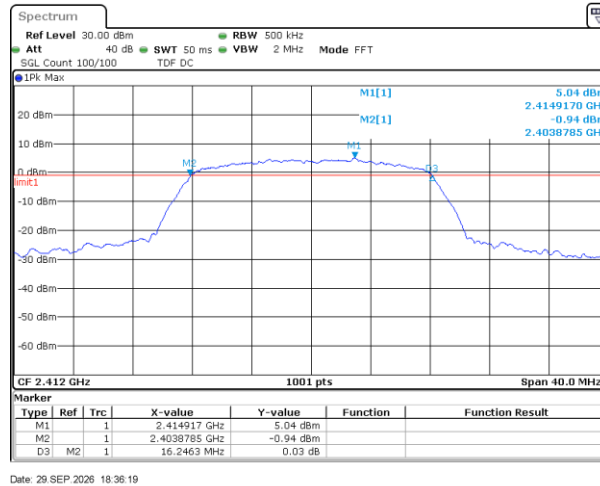
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

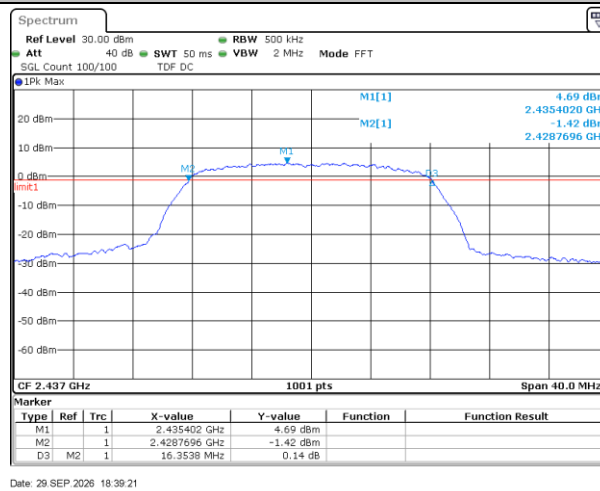


Date: 28 SEP 2026 18:52:34

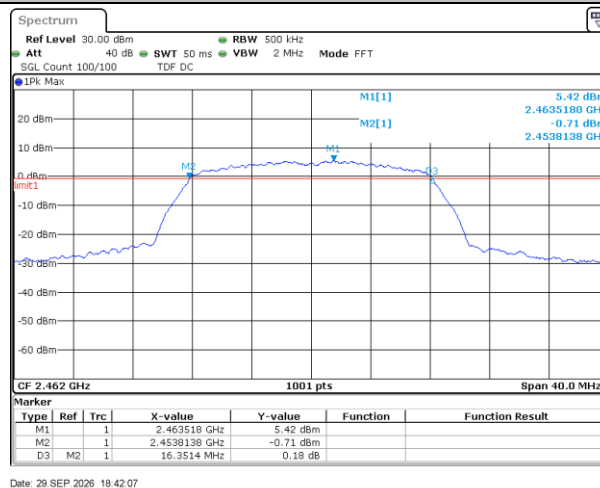
NTNV_802.11g(20M)_2412_6Mbps_ANT1



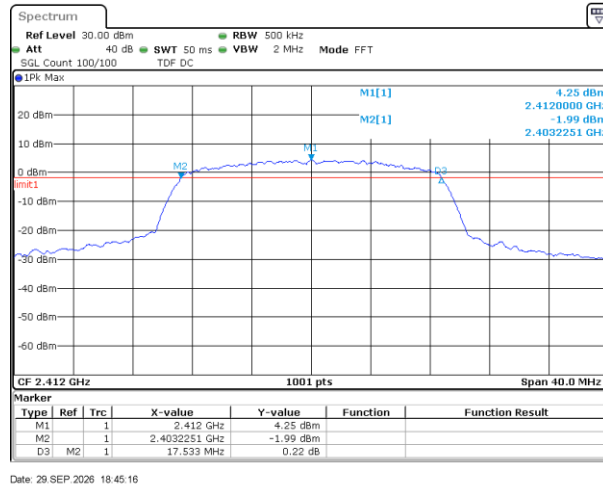
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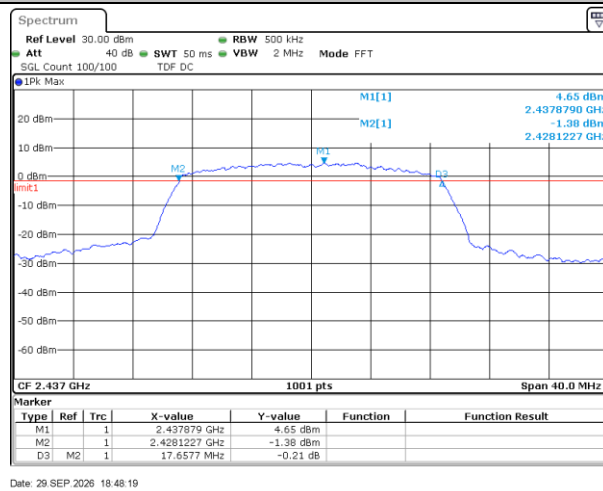
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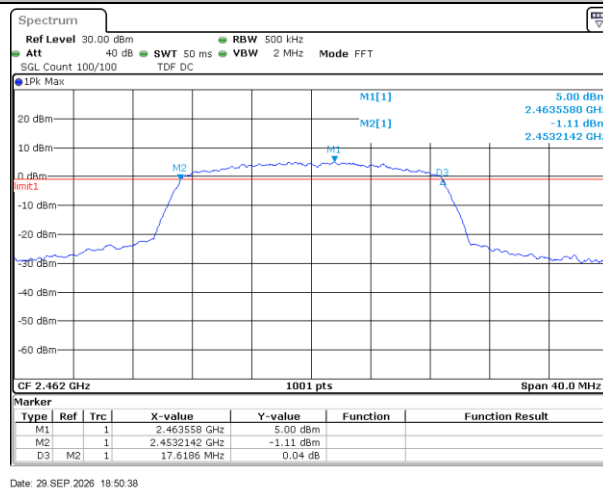
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



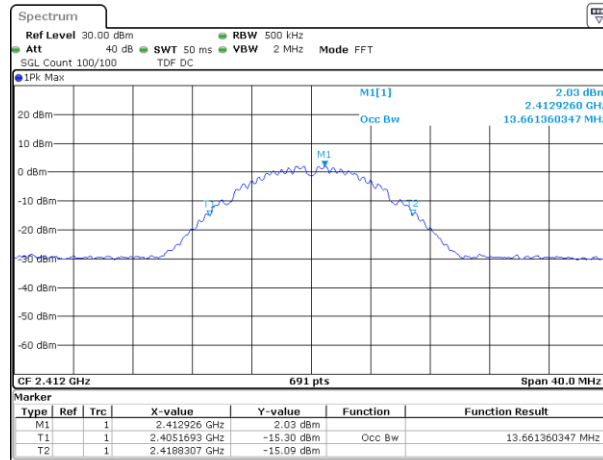
Appendix B: Occupied Channel Bandwidth

Test Result

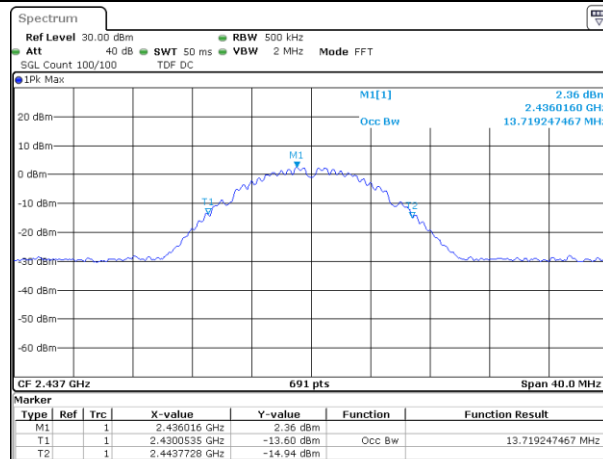
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	13.66	≥ 0.5	2405.00	2419.00	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	13.72	≥ 0.5	2430.00	2444.00	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	13.49	≥ 0.5	2455.00	2469.00	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	17.54	≥ 0.5	2403.00	2421.00	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	17.54	≥ 0.5	2428.00	2446.00	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	17.31	≥ 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	18.18	≥ 0.5	2453.00	2471.00	Pass

Test Graphs

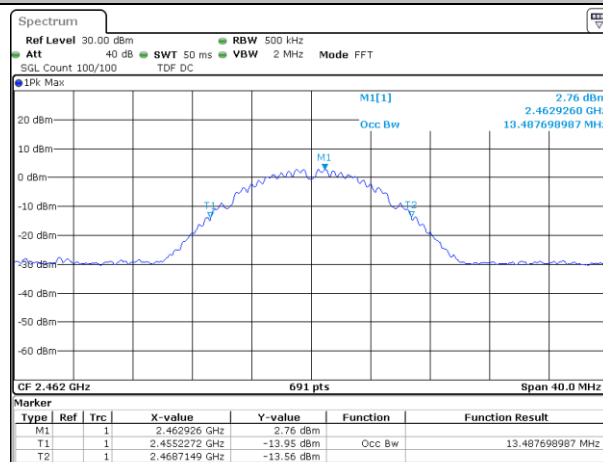
NTNV_802.11b(20M)_2412_1Mbps_ANT1



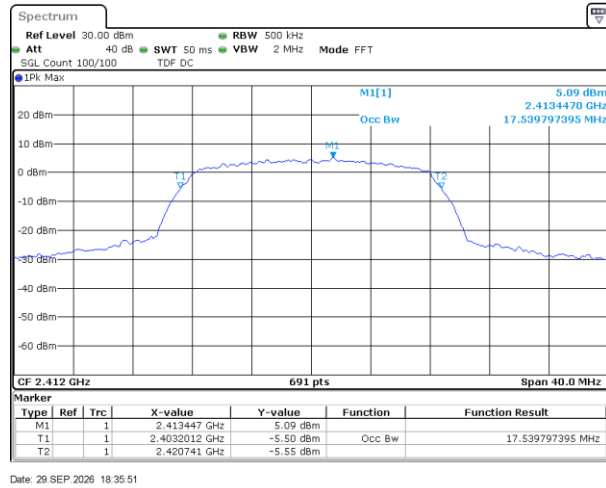
NTNV_802.11b(20M)_2437_1Mbps_ANT1



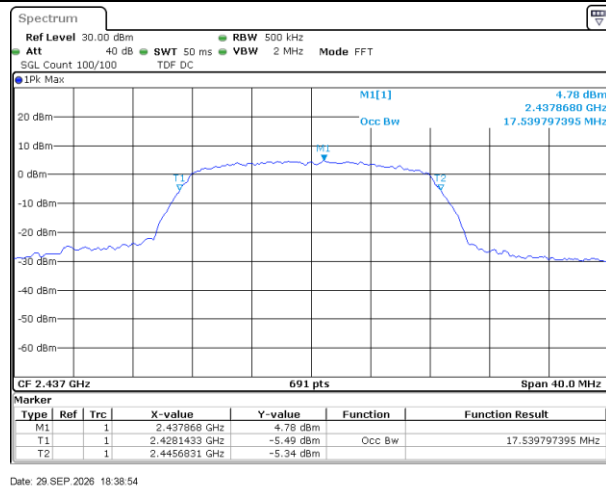
NTNV_802.11b(20M)_2462_1Mbps_ANT1



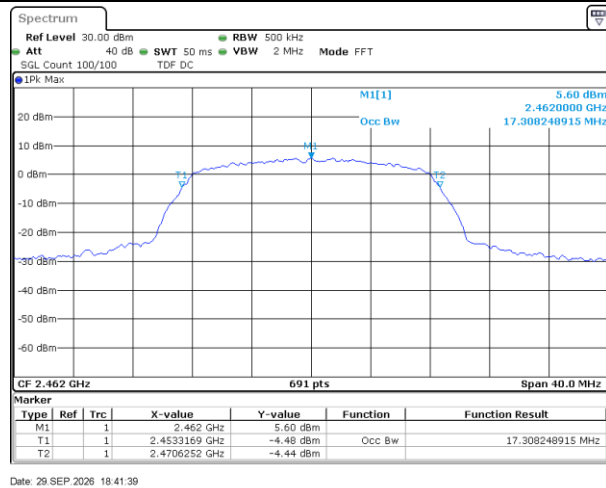
NTNV_802.11g(20M)_2412_6Mbps_ANT1



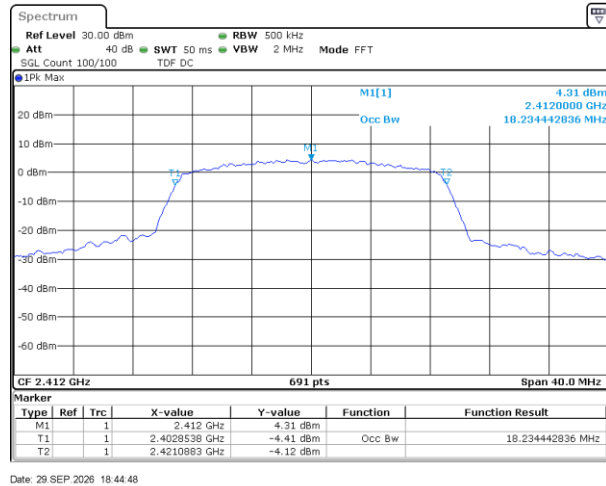
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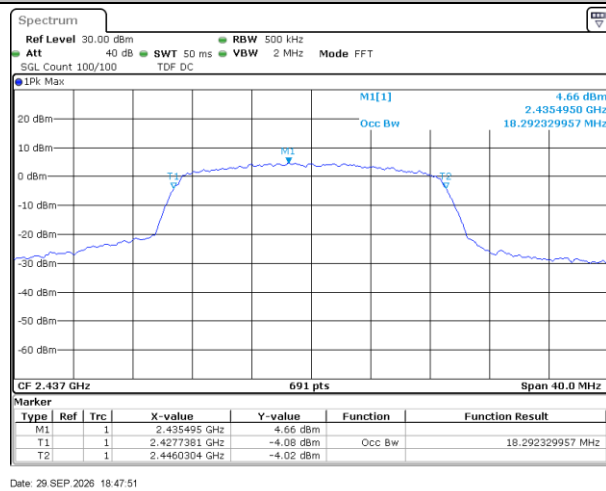
NTNV_802.11g(20M)_2462_6Mbps_ANT1



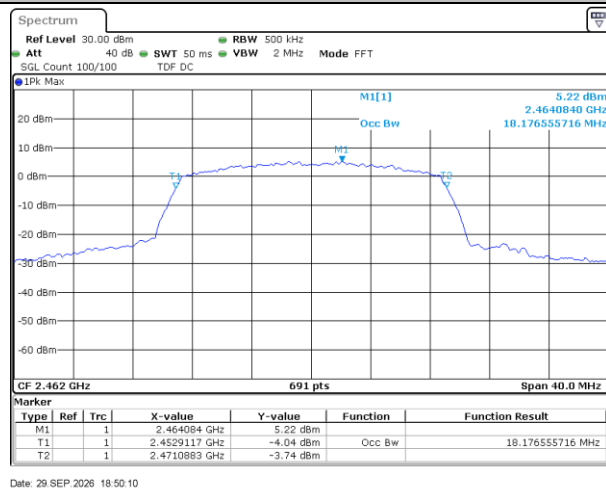
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



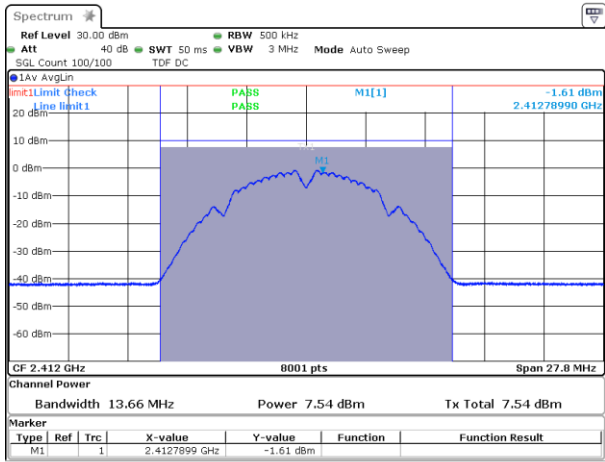
Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	802.11b(20M)	2412	AVER	ANT1	7.54	≤30	Pass
2	NTNV	802.11b(20M)	2437	AVER	ANT1	7.91	≤30	Pass
3	NTNV	802.11b(20M)	2462	AVER	ANT1	8.15	≤30	Pass
4	NTNV	802.11g(20M)	2412	AVER	ANT1	7.96	≤30	Pass
5	NTNV	802.11g(20M)	2437	AVER	ANT1	8.25	≤30	Pass
6	NTNV	802.11g(20M)	2462	AVER	ANT1	8.41	≤30	Pass
7	NTNV	802.11n(20M)	2412	AVER	ANT1	7.86	≤30	Pass
8	NTNV	802.11n(20M)	2437	AVER	ANT1	8.28	≤30	Pass
9	NTNV	802.11n(20M)	2462	AVER	ANT1	8.46	≤30	Pass

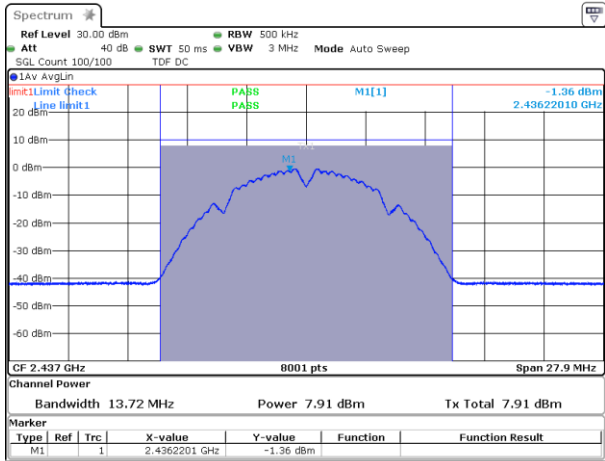
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



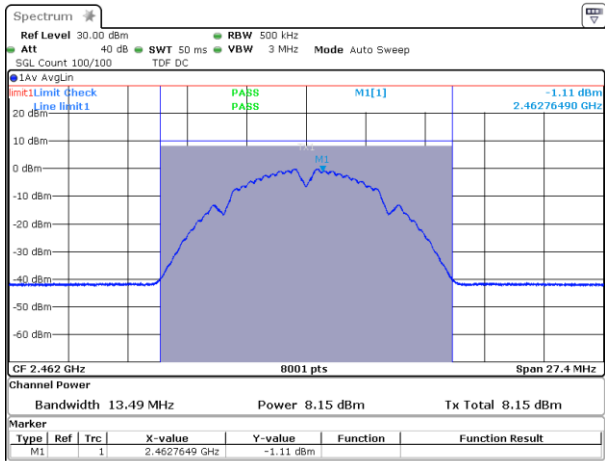
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



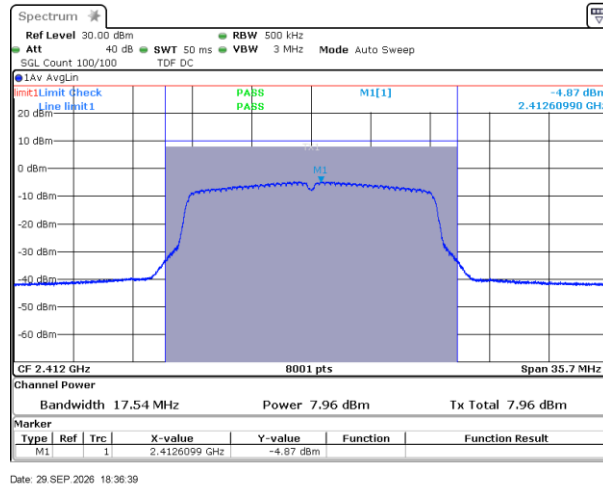
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

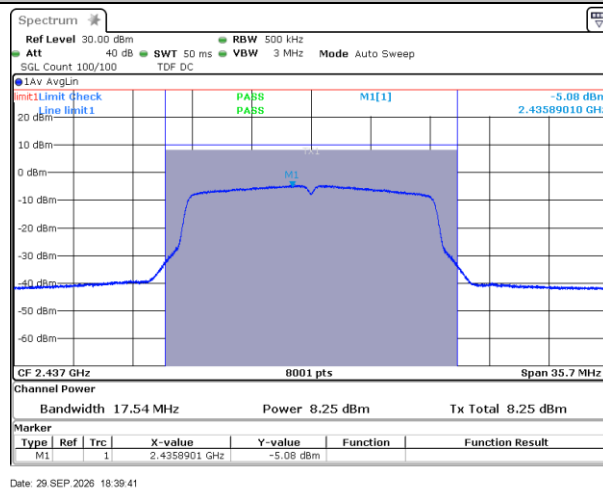


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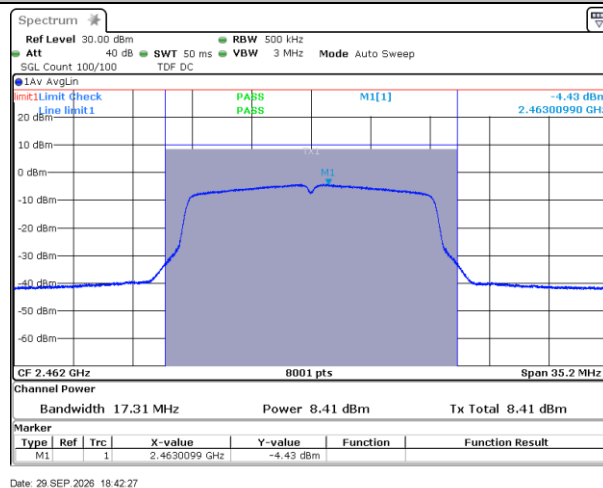
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



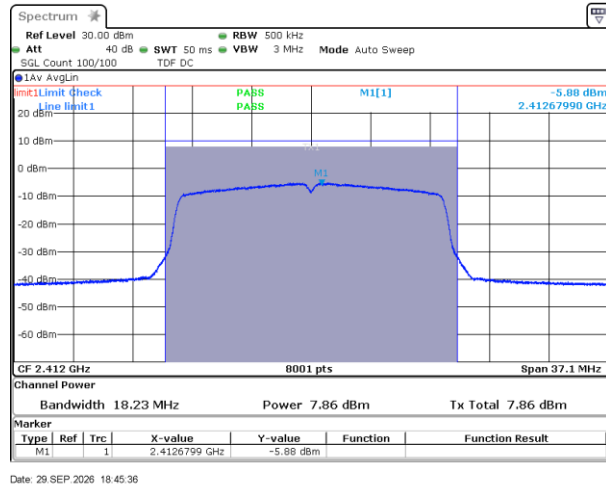
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



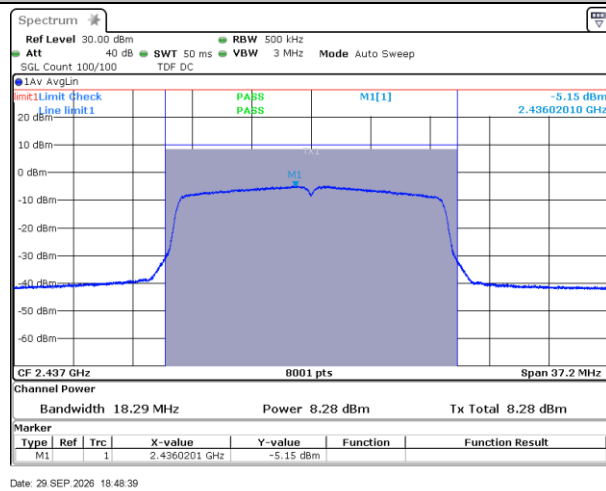
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



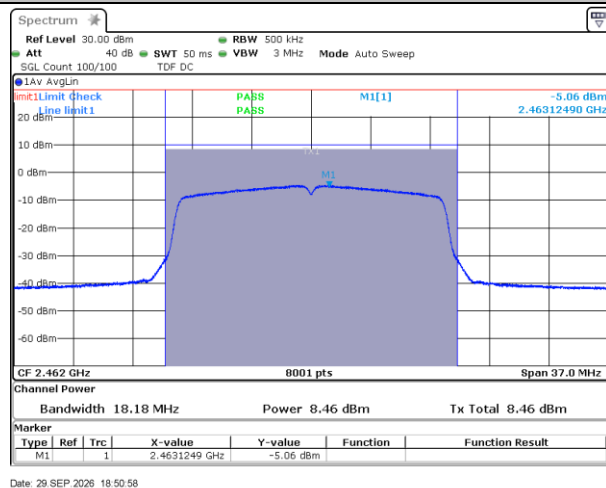
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



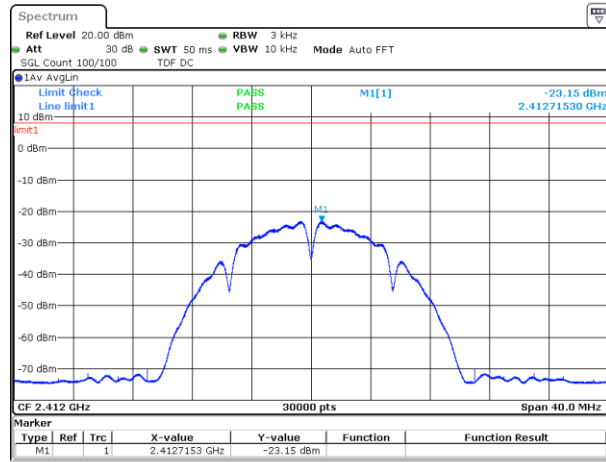
Appendix D: Maximum power spectral density

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	-23.15	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-22.85	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-22.45	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-25.01	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-24.60	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-24.46	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-24.46	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-24.39	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-24.14	≤ 8	Pass

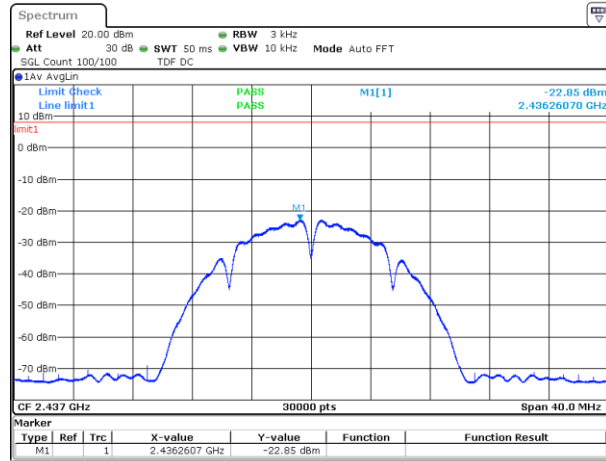
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



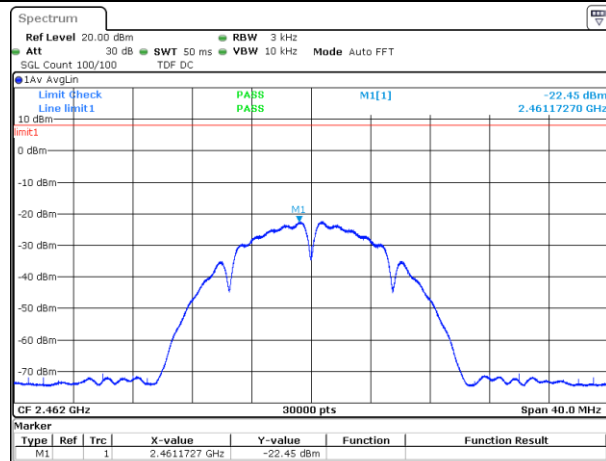
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



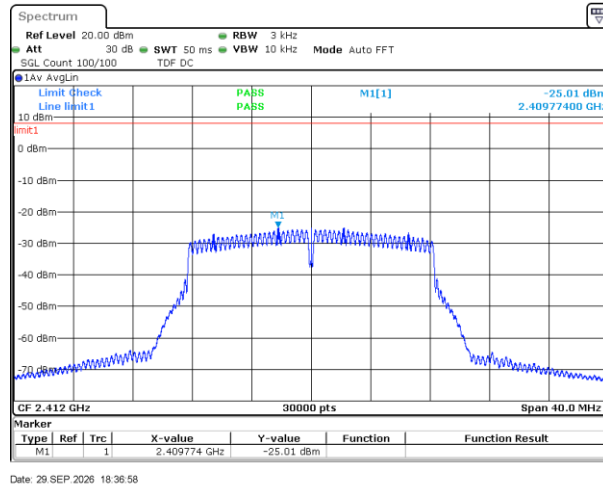
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

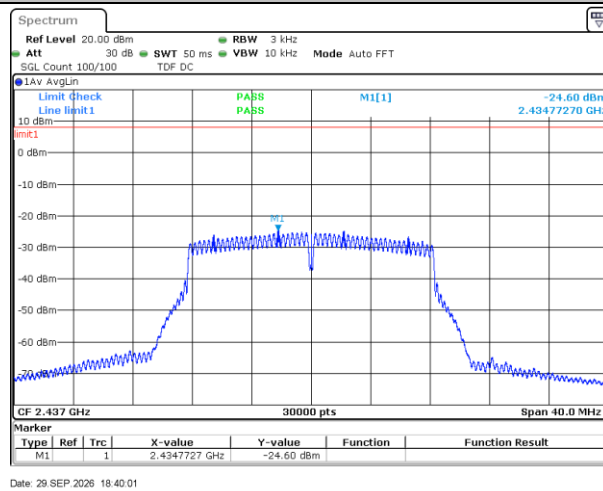


Date: 28 SEP 2026 18:53:13

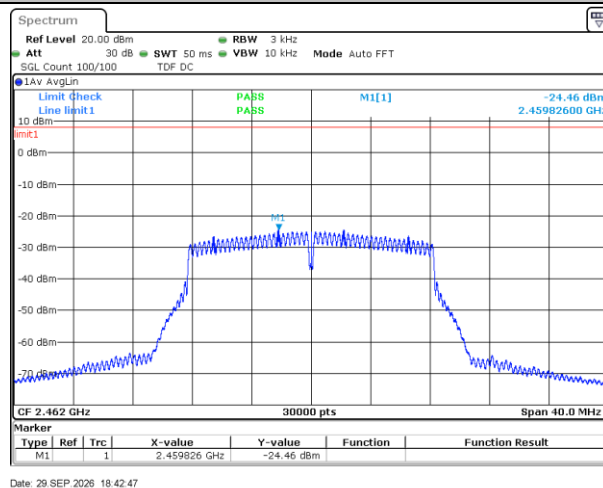
NTNV_802.11g(20M)_2412_6Mbps_ANT1



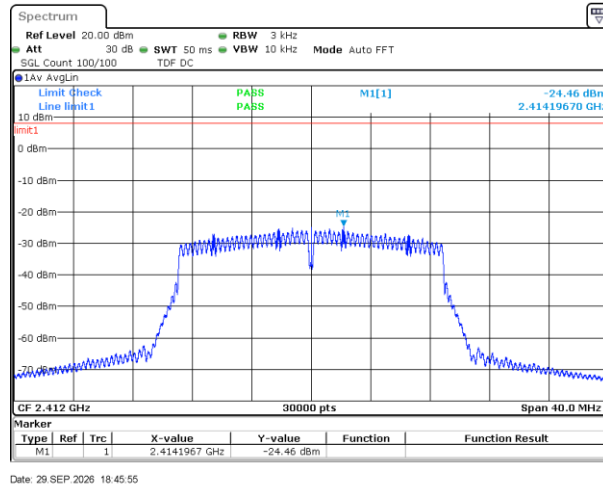
NTNV_802.11g(20M)_2437_6Mbps_ANT1



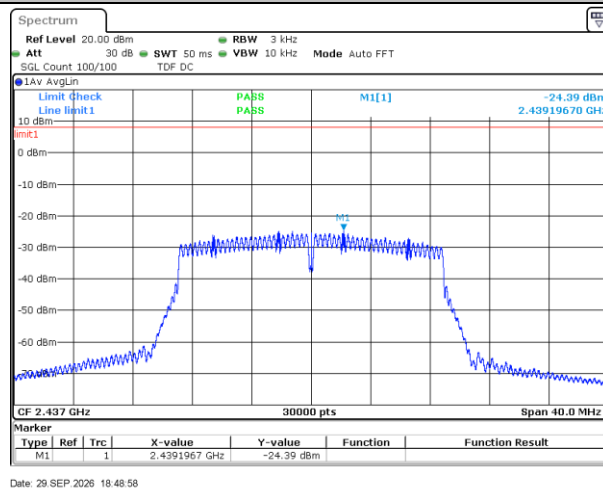
NTNV_802.11g(20M)_2462_6Mbps_ANT1



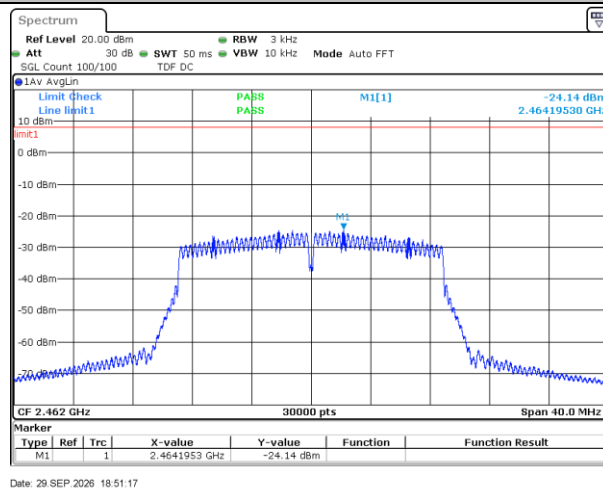
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



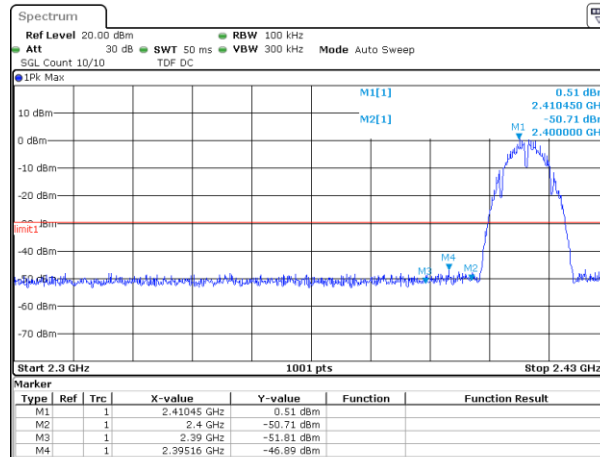
Appendix E: Band edge measurements

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	0.51	-46.89	≤ -29.49	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	1.3	-47.41	≤ -28.7	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-1.28	-38.82	≤ -31.28	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-1.94	-46.61	≤ -31.94	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	-2.72	-39.70	≤ -32.72	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-0.67	-47.45	≤ -30.67	Pass

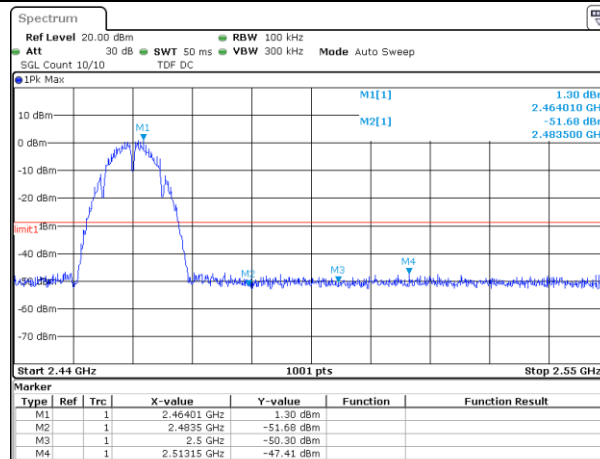
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



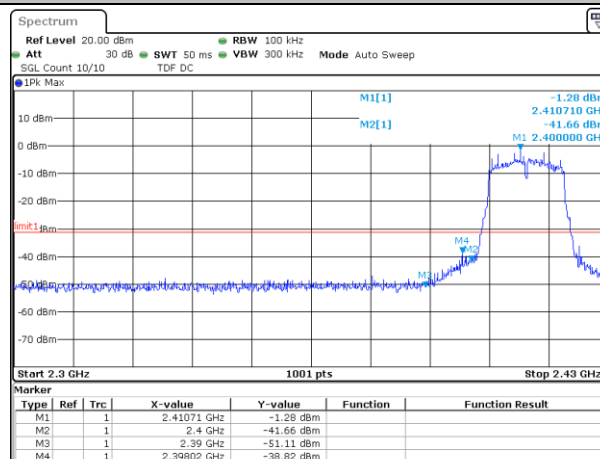
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



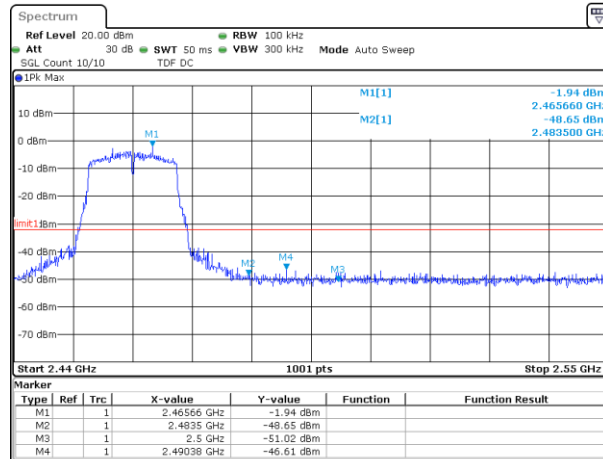
Date: 28 SEP 2026 18:53:17

NTNV_802.11g(20M)_2412_6Mbps_ANT1



Date: 29 SEP 2026 18:37:02

NTNV_802.11g(20M)_2462_6Mbps_ANT1



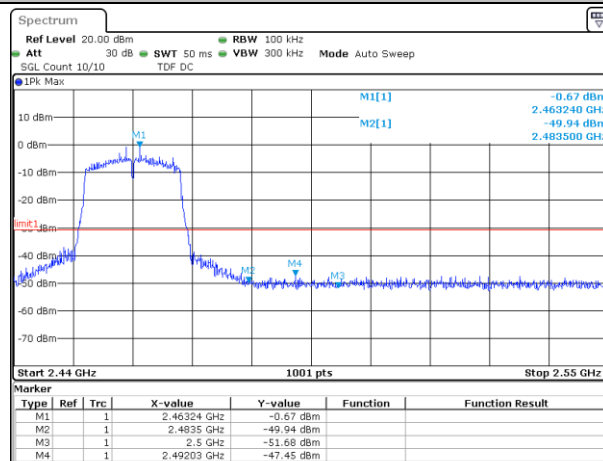
Date: 29 SEP 2026 18:42:51

NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 29 SEP 2026 18:45:59

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 29 SEP 2026 18:51:21

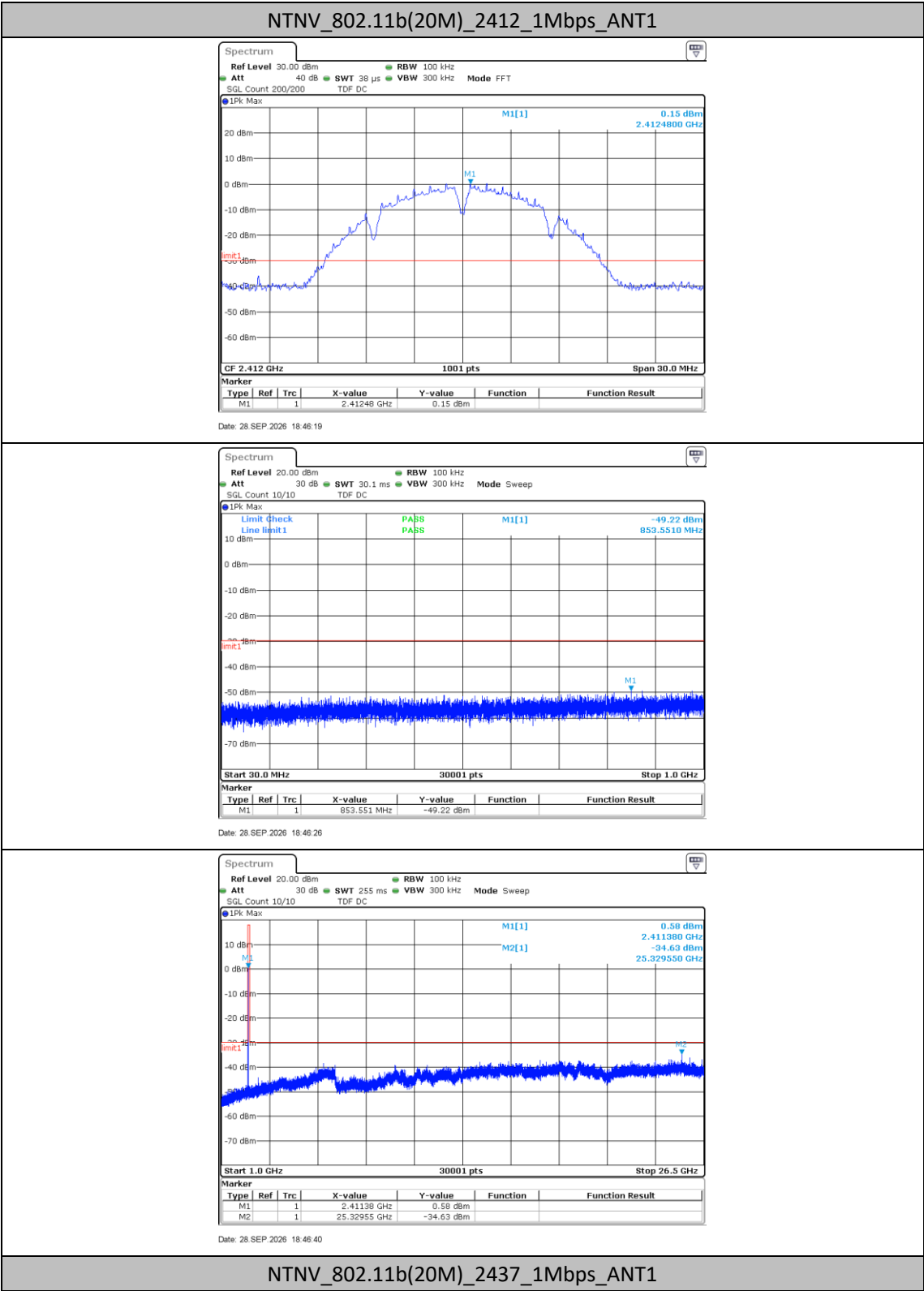
Appendix F: Conducted Spurious Emission

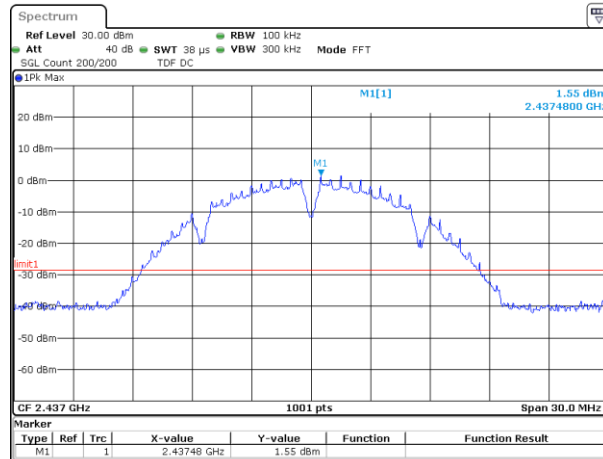
Test Result

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	0.15	/	PASS
						30~1000	0.1	-49.22	≤-29.85	Pass
						1000~26500	0.1	-34.63	≤-29.85	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	1.55	/	PASS
						30~1000	0.1	-49.50	≤-28.45	Pass
						1000~26500	0.1	-36.58	≤-28.45	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	1.57	/	PASS
						30~1000	0.1	-49.30	≤-28.43	Pass
						1000~26500	0.1	-35.69	≤-28.43	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	-0.99	/	PASS
						30~1000	0.1	-48.46	≤-30.99	Pass
						1000~26500	0.1	-36.47	≤-30.99	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	-0.67	/	PASS
						30~1000	0.1	-49.85	≤-30.67	Pass
						1000~26500	0.1	-36.87	≤-30.67	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-1.68	/	PASS
						30~1000	0.1	-49.67	≤-31.68	Pass
						1000~26500	0.1	-36.52	≤-31.68	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	-1.11	/	PASS
						30~1000	0.1	-48.45	≤-31.11	Pass
						1000~26500	0.1	-36.93	≤-31.11	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	-0.86	/	PASS
						30~1000	0.1	-49.48	≤-30.86	Pass
						1000~26500	0.1	-36.51	≤-30.86	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	-1.16	/	PASS

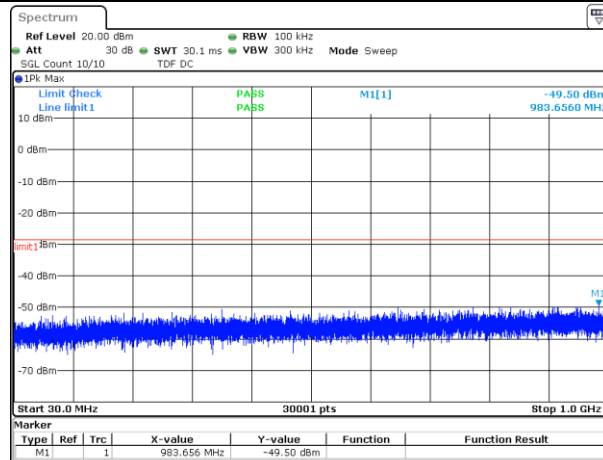
						30~1000	0.1	-49.14	≤ -31.16	Pass
						1000~26500	0.1	-36.64	≤ -31.16	Pass

Test Graphs

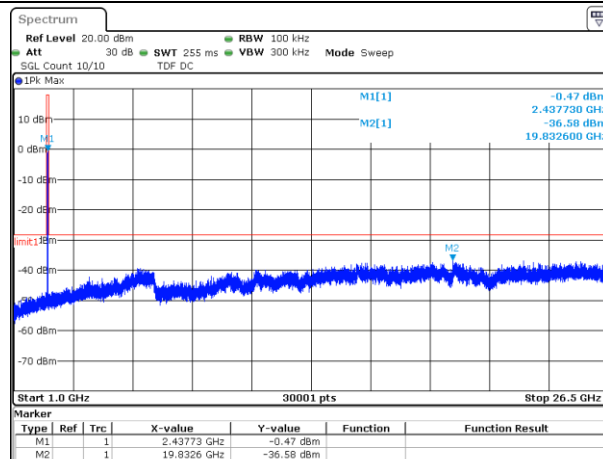




Date: 28 SEP 2026 18:50:53

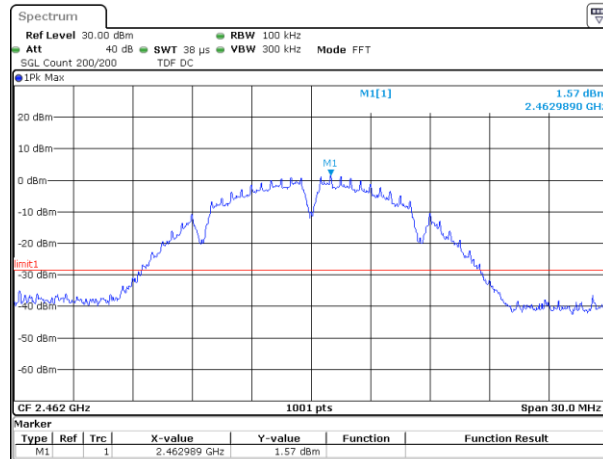


Date: 28 SEP 2026 18:50:59

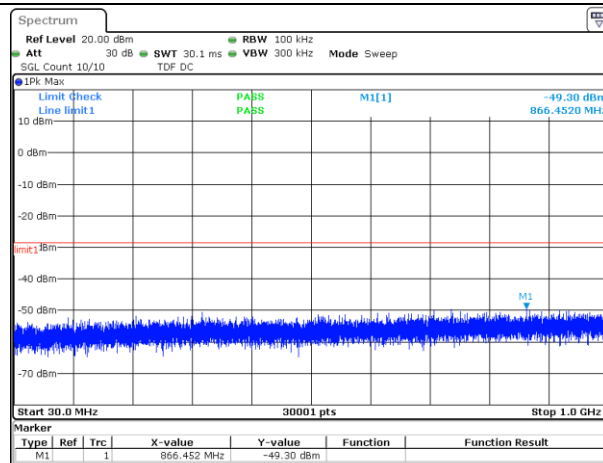


Date: 28 SEP 2026 18:51:13

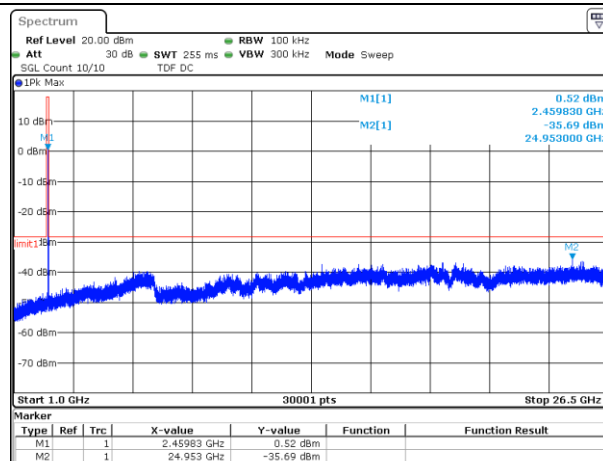
NTNV_802.11b(20M)_2462_1Mbps_ANT1



Date: 28 SEP 2026 18:53:23

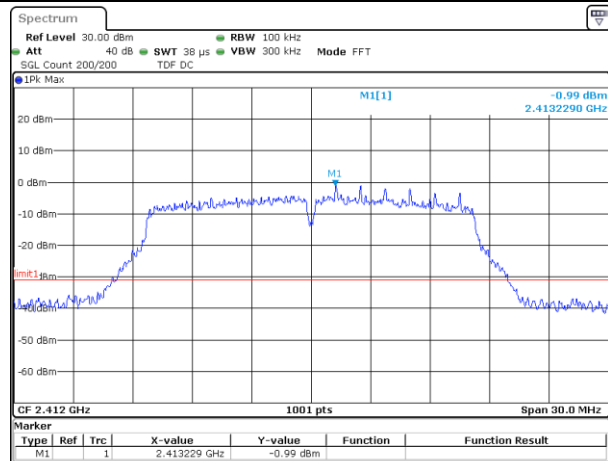


Date: 28 SEP 2026 18:53:29

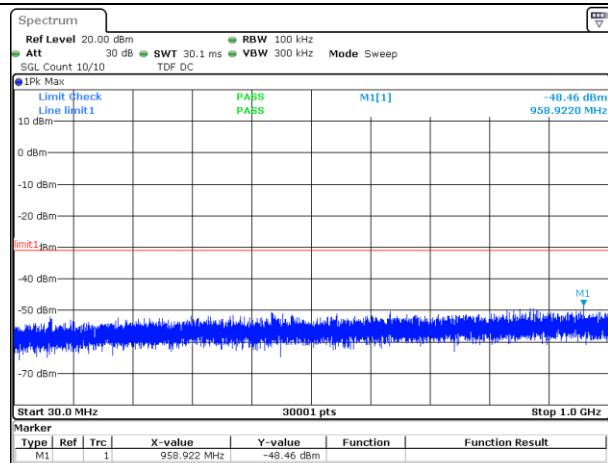


Date: 28 SEP 2026 18:53:43

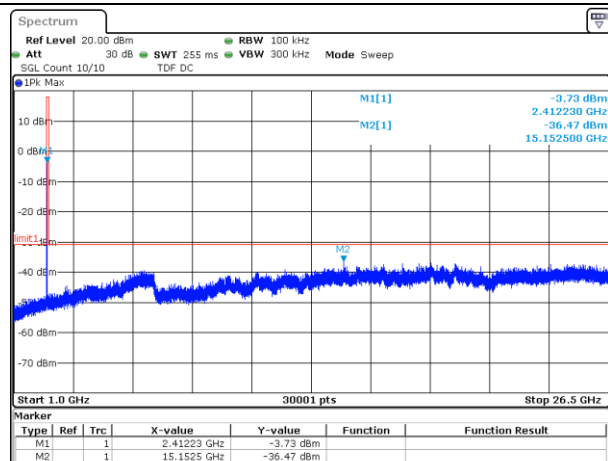
NTNV_802.11g(20M)_2412_6Mbps_ANT1



Date: 29 SEP 2026 18:37:08

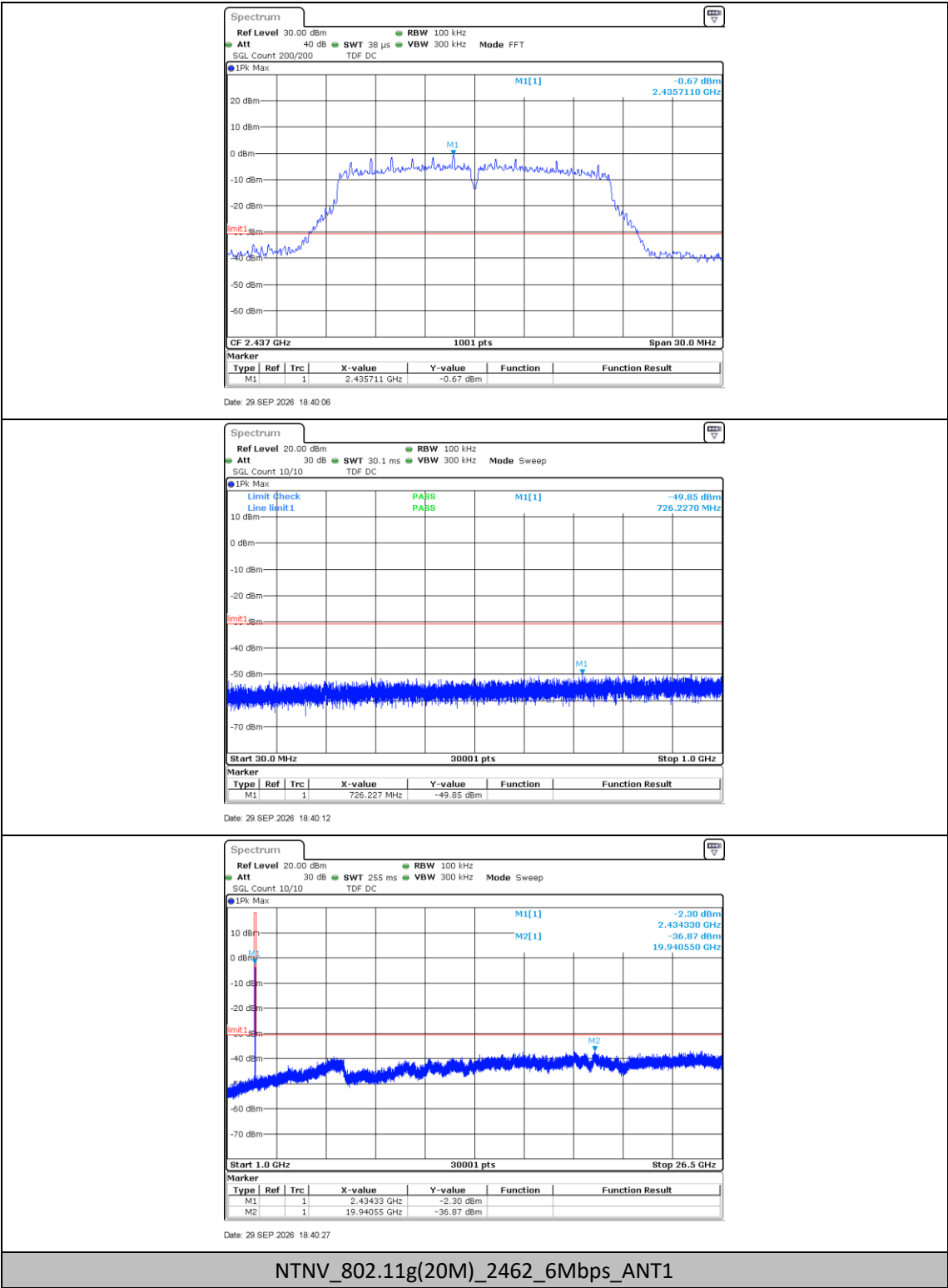


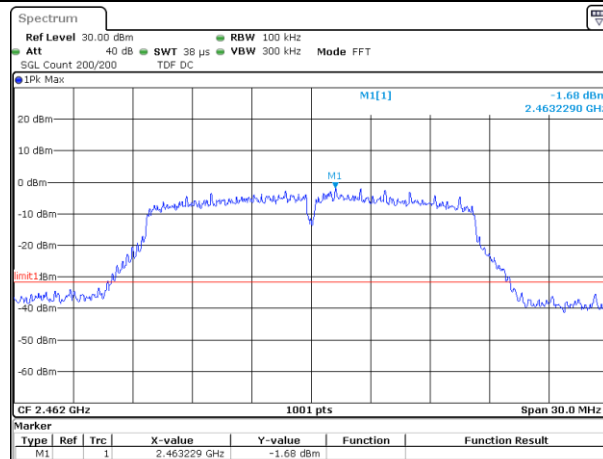
Date: 29 SEP 2026 18:37:14



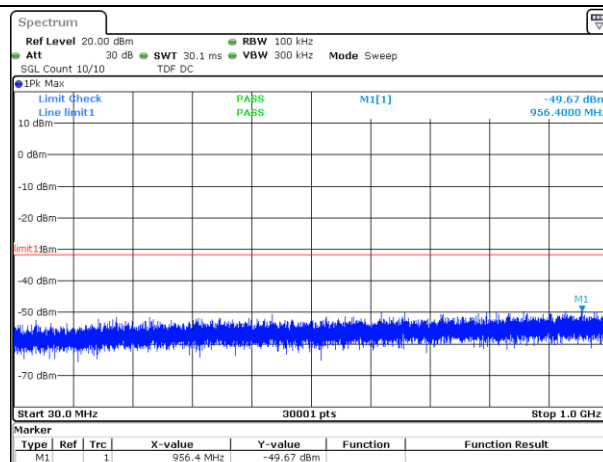
Date: 29 SEP 2026 18:37:28

NTNV_802.11g(20M)_2437_6Mbps_ANT1

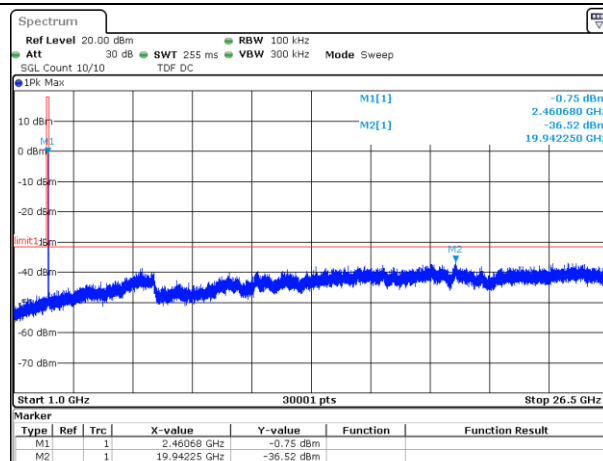




Date: 29 SEP 2026 18:42:56

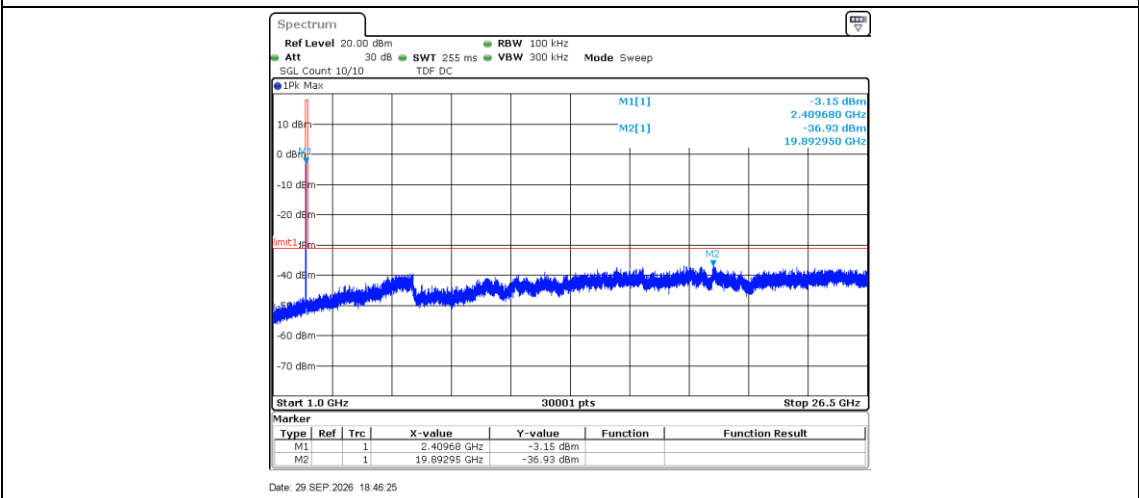
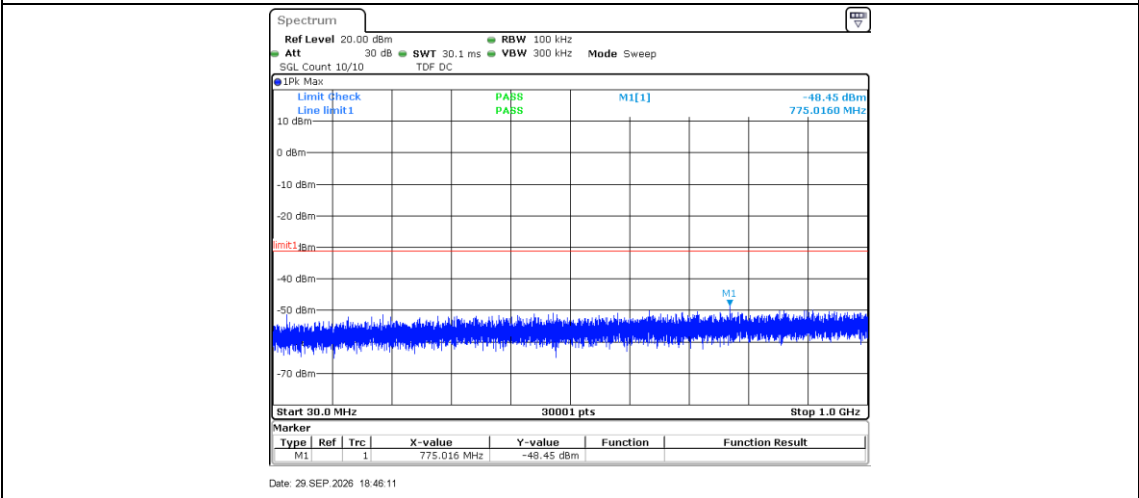
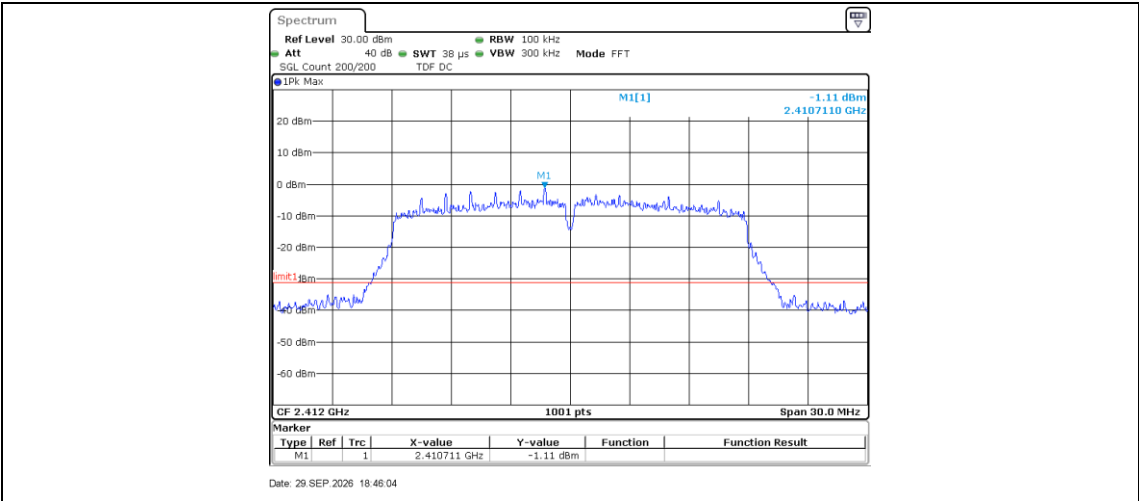


Date: 29 SEP 2026 18:43:02

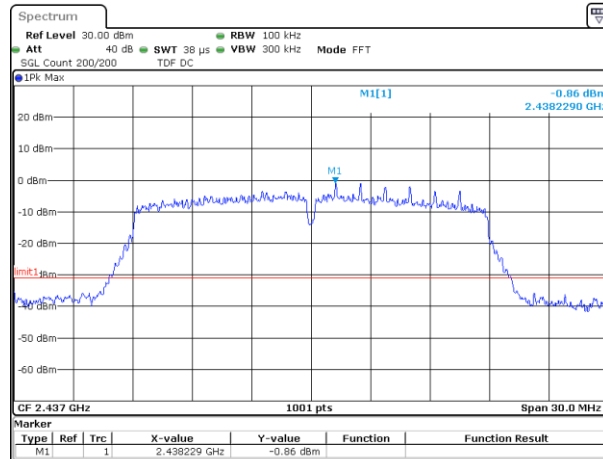


Date: 29 SEP 2026 18:43:16

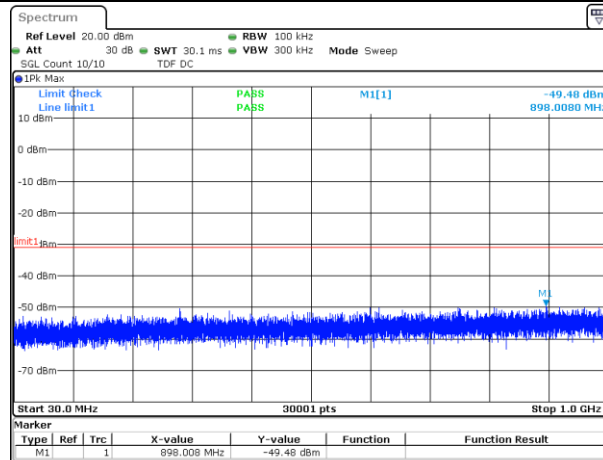
NTNV_802.11n(20M)_2412_MCS0_ANT1



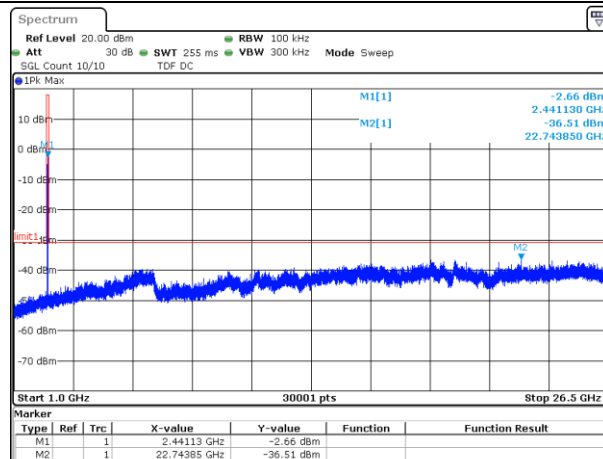
NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 29 SEP 2026 18:49:03

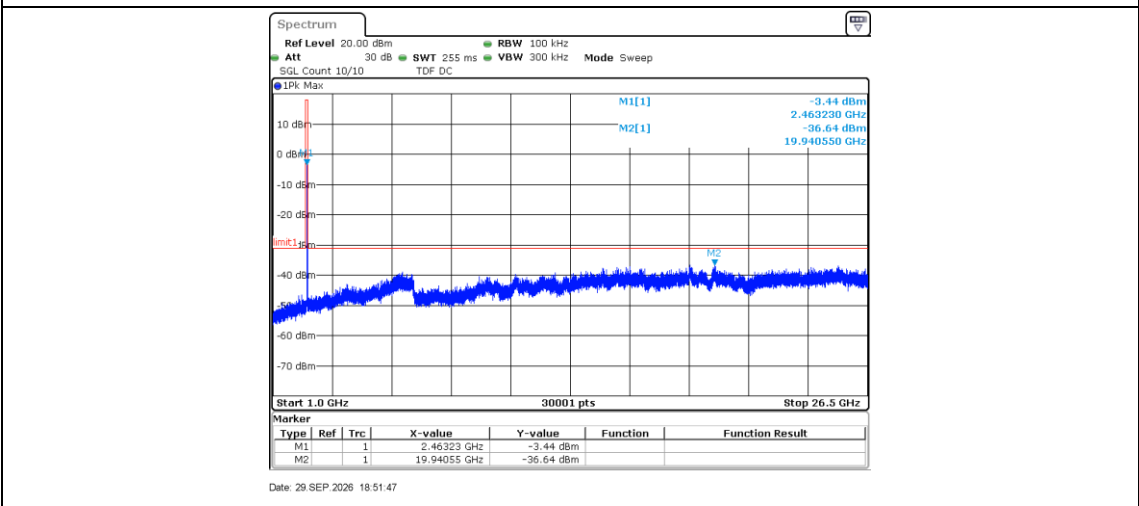
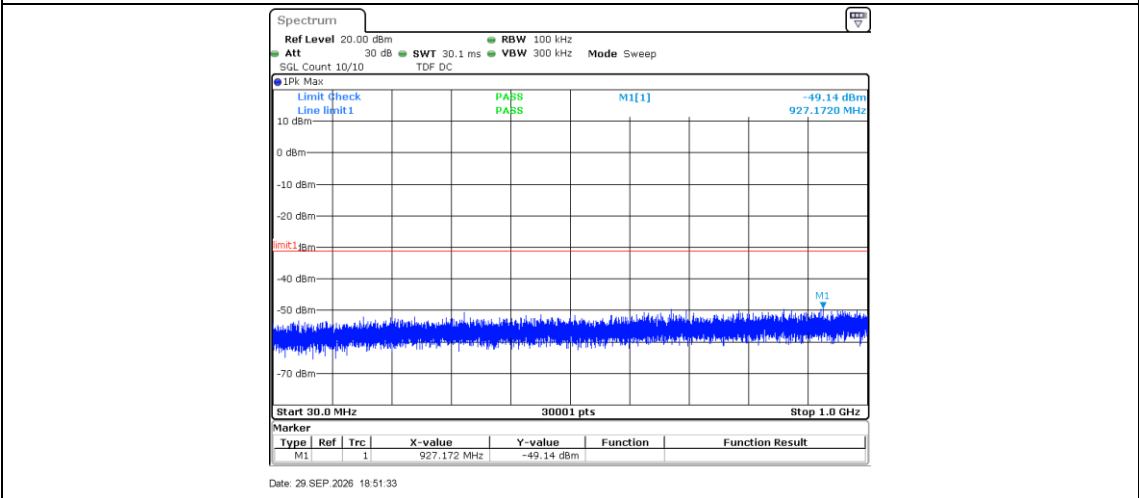
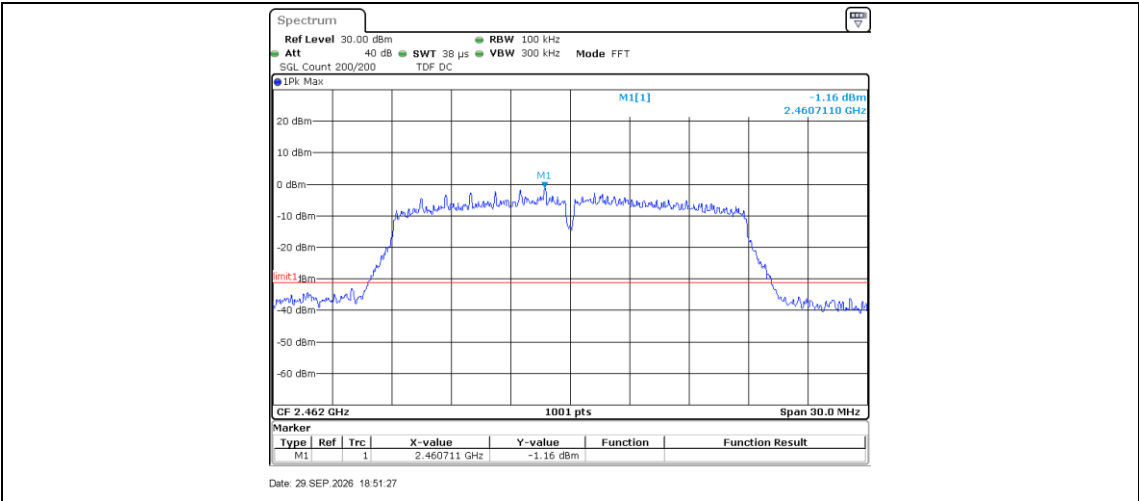


Date: 29 SEP 2026 18:49:10



Date: 29 SEP 2026 18:49:24

NTNV_802.11n(20M)_2462_MCS0_ANT1

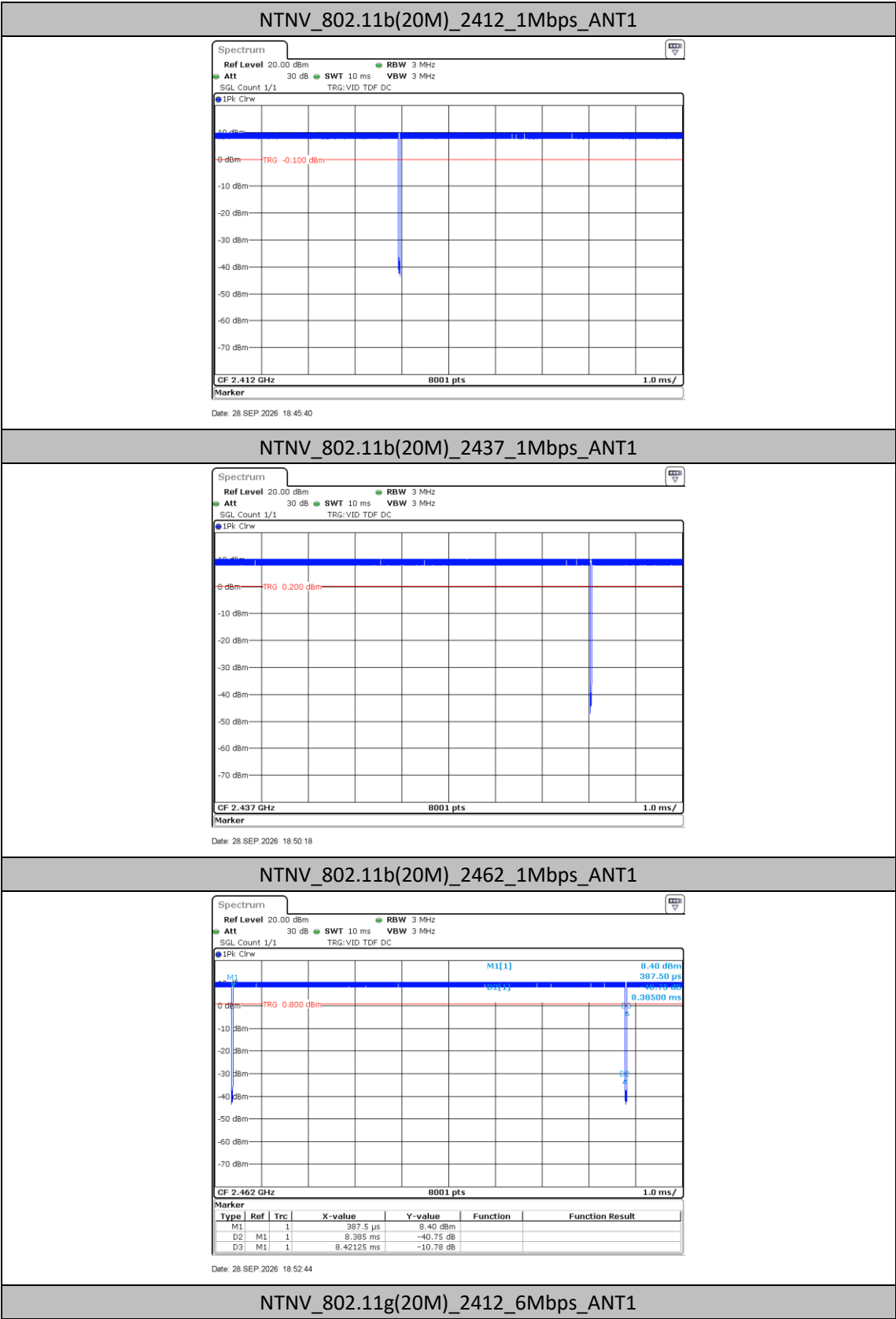


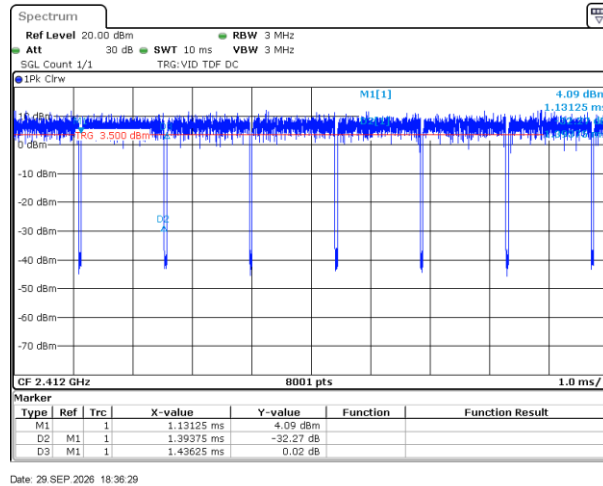
Appendix G: Duty Cycle

Test Result

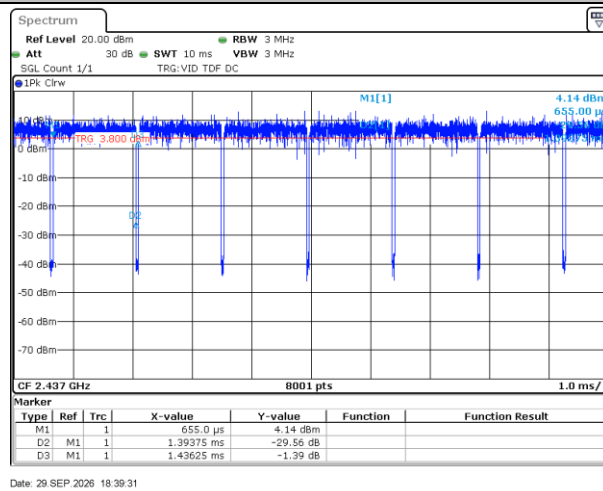
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	0.00	6.04	1.00	100.00
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	0.00	1.94	1.00	100.00
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	8.39	8.42	1.00	99.57
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

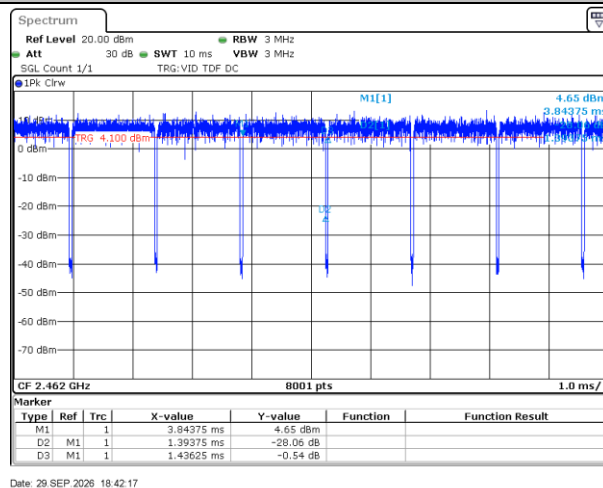




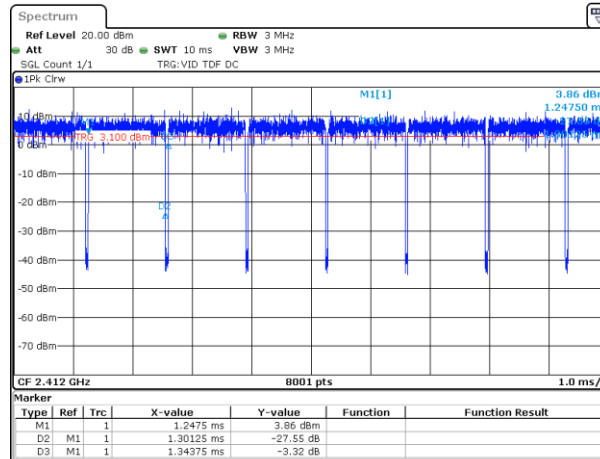
NTNV_802.11g(20M)_2437_6Mbps_ANT1



NTNV_802.11g(20M)_2462_6Mbps_ANT1

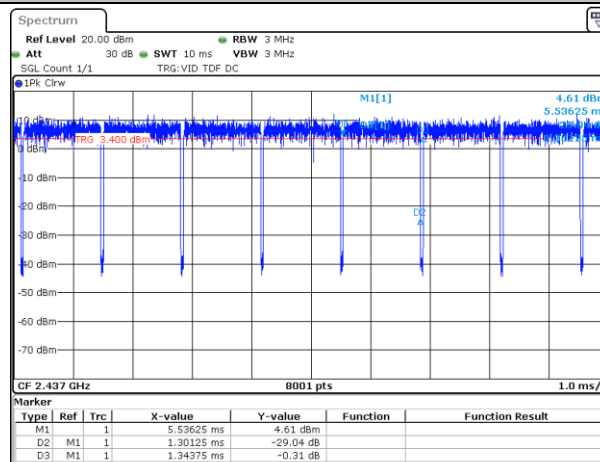


NTNV_802.11n(20M)_2412_MCS0_ANT1



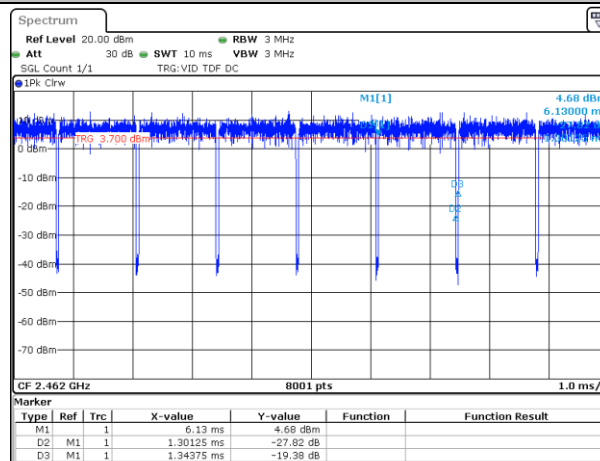
Date: 29 SEP 2026 18:45:26

NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 29 SEP 2026 18:48:29

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 29 SEP 2026 18:50:48