



CQASZ20260801873E-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

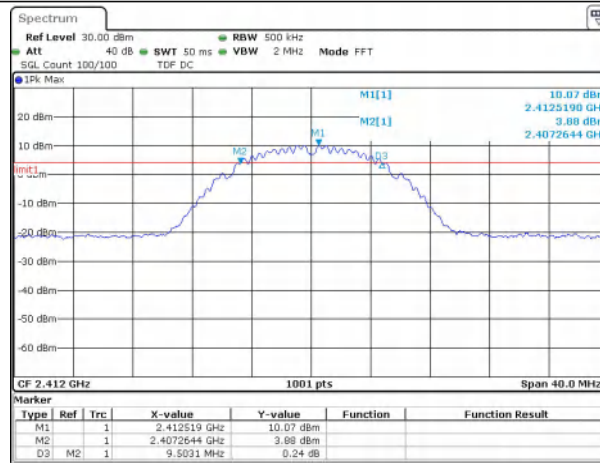
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	6dB Occupy Bandwidth (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	9.50	2407.00	2417.00	≥ 0.5	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	10.12	2432.00	2442.00	≥ 0.5	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	9.79	2457.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.72	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.80	2429.00	2446.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.71	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	17.77	2403.00	2421.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	17.81	2428.00	2446.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	17.78	2453.00	2471.00	≥ 0.5	Pass

Note:

The data chart has been updated with Gain factor.

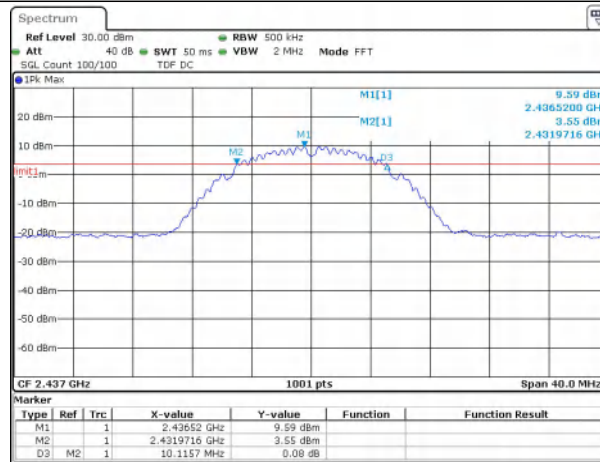
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



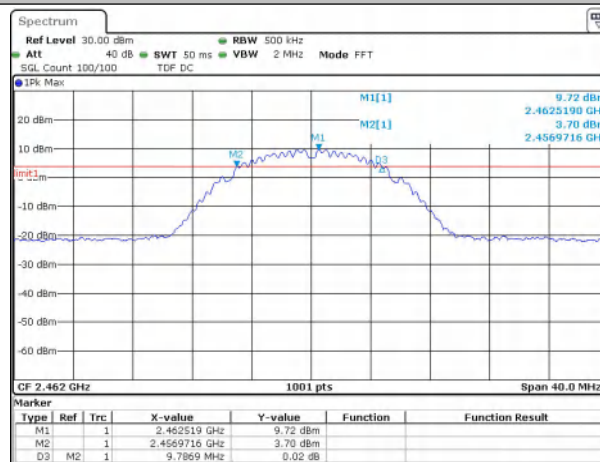
Date: 3.SEP.2026 15:12:10

NTNV_802.11b(20M)_2437_1Mbps_ANT1



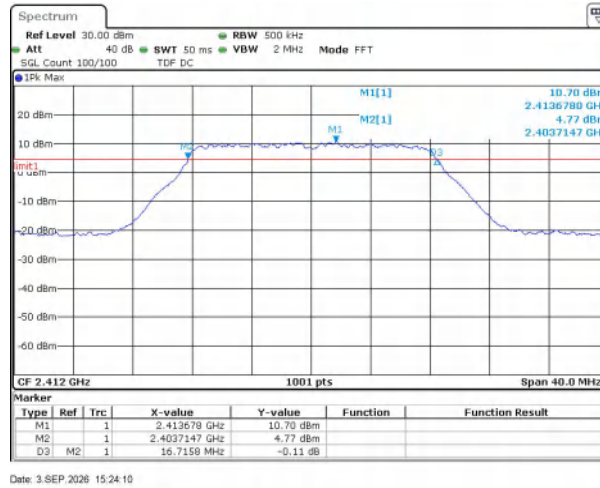
Date: 3.SEP.2026 15:16:53

NTNV_802.11b(20M)_2462_1Mbps_ANT1

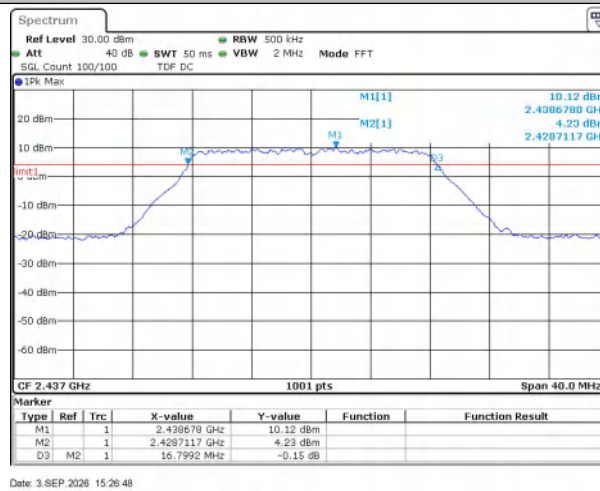


Date: 3.SEP.2026 15:21:33

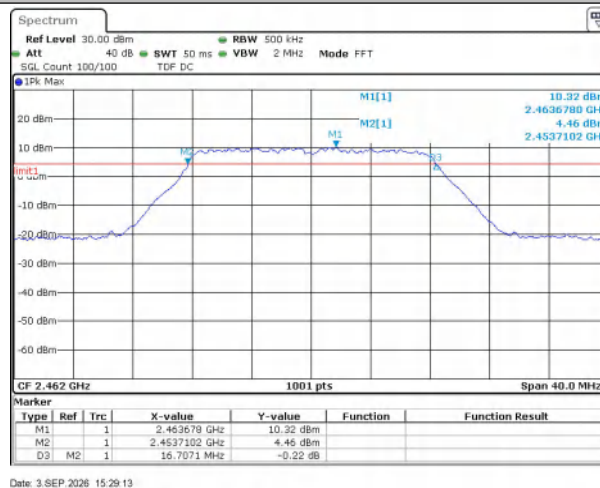
NTNV_802.11g(20M)_2412_6Mbps_ANT1



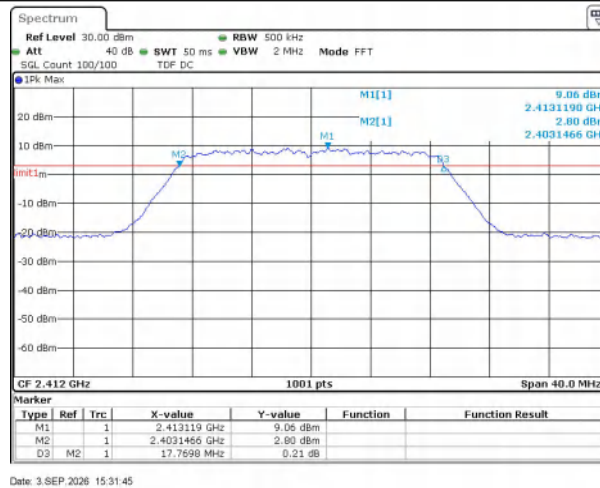
NTNV_802.11g(20M)_2437_6Mbps_ANT1



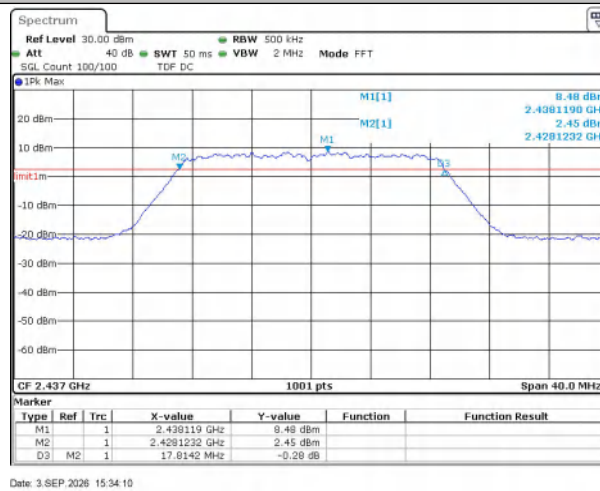
NTNV_802.11g(20M)_2462_6Mbps_ANT1



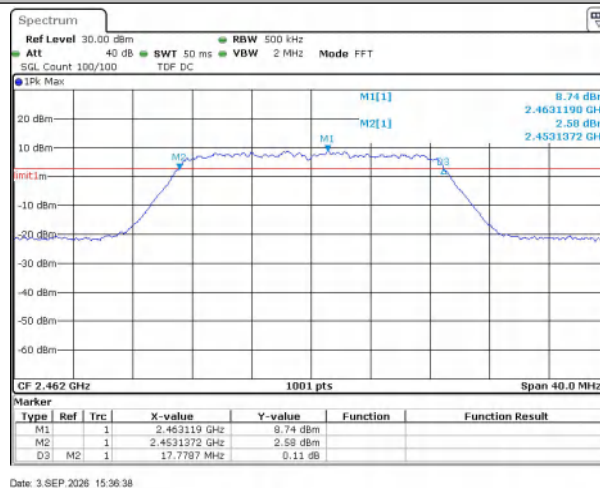
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



Appendix B: Occupied Channel Bandwidth

Test Result

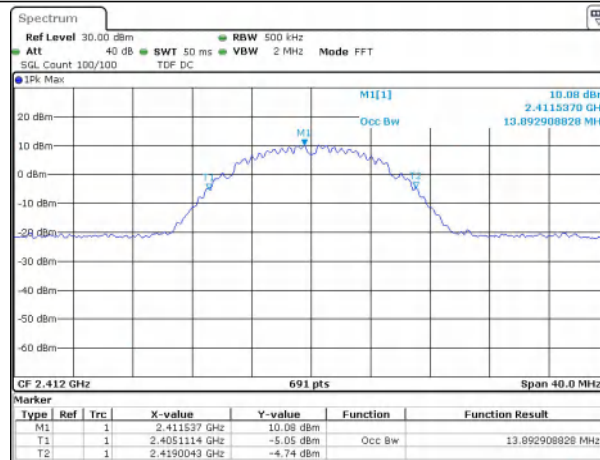
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	802.11b(20 M)	2412	1Mbps	ANT1	13.89	≥ 0.5	2405.00	2419.00	Pass
2	NTNV	802.11b(20 M)	2437	1Mbps	ANT1	14.01	≥ 0.5	2430.00	2444.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	ANT1	13.95	≥ 0.5	2455.00	2469.00	Pass
4	NTNV	802.11g(20 M)	2412	6Mbps	ANT1	18.35	≥ 0.5	2403.00	2421.00	Pass
5	NTNV	802.11g(20 M)	2437	6Mbps	ANT1	18.52	≥ 0.5	2428.00	2446.00	Pass
6	NTNV	802.11g(20 M)	2462	6Mbps	ANT1	18.35	≥ 0.5	2453.00	2471.00	Pass
7	NTNV	802.11n(20 M)	2412	MCS0	ANT1	19.22	≥ 0.5	2402.00	2422.00	Pass
8	NTNV	802.11n(20 M)	2437	MCS0	ANT1	19.28	≥ 0.5	2427.00	2447.00	Pass
9	NTNV	802.11n(20 M)	2462	MCS0	ANT1	19.22	≥ 0.5	2452.00	2472.00	Pass

Note:

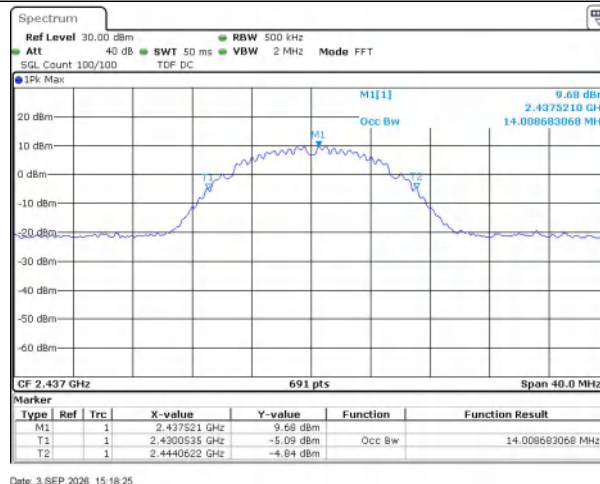
The data chart has been updated with Gain factor.

Test Graphs

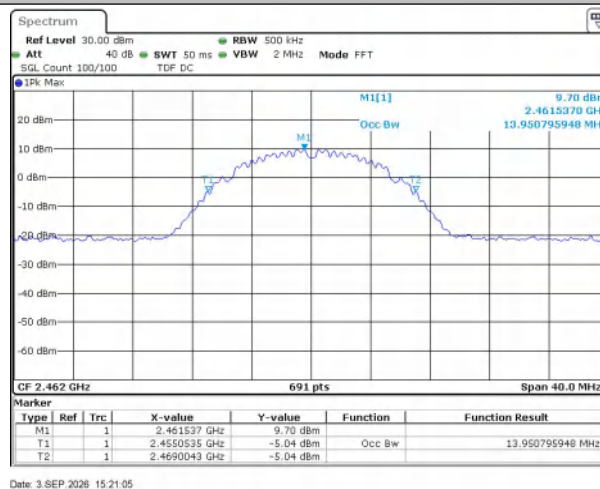
NTNV_802.11b(20M)_2412_1Mbps_ANT1



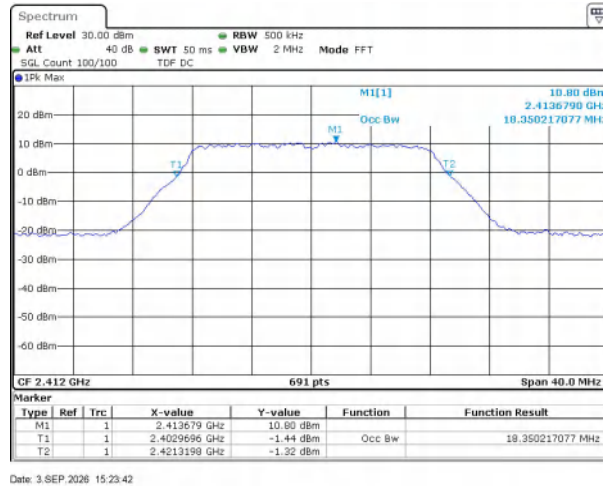
NTNV_802.11b(20M)_2437_1Mbps_ANT1



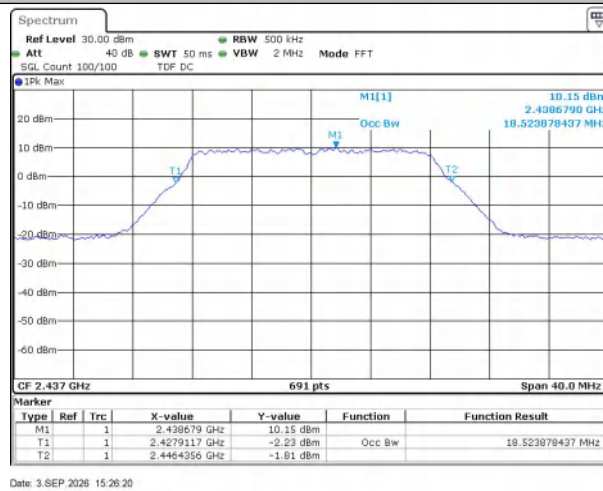
NTNV_802.11b(20M)_2462_1Mbps_ANT1



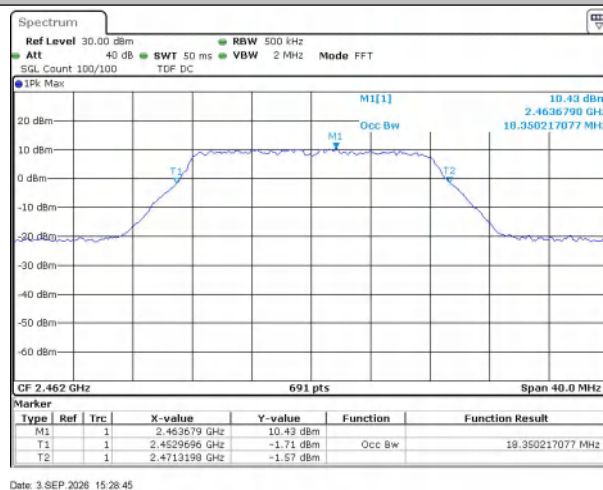
NTNV_802.11g(20M)_2412_6Mbps_ANT1



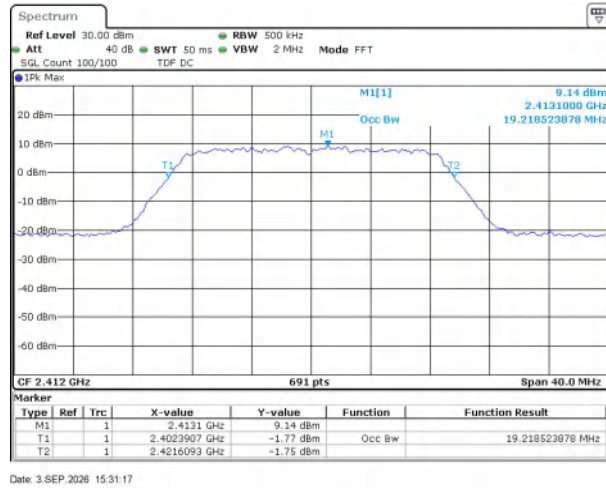
NTNV_802.11g(20M)_2437_6Mbps_ANT1



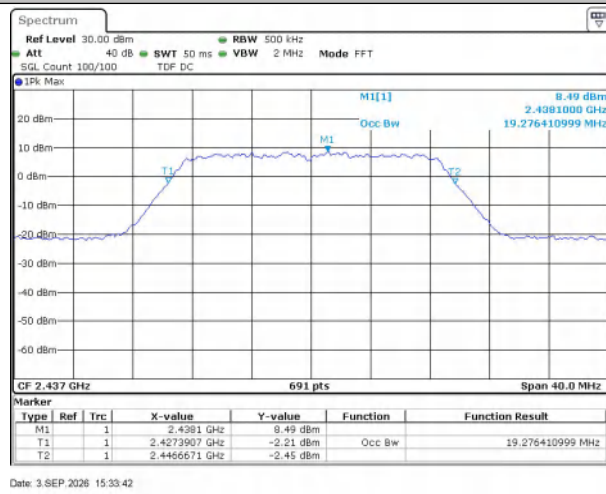
NTNV_802.11g(20M)_2462_6Mbps_ANT1



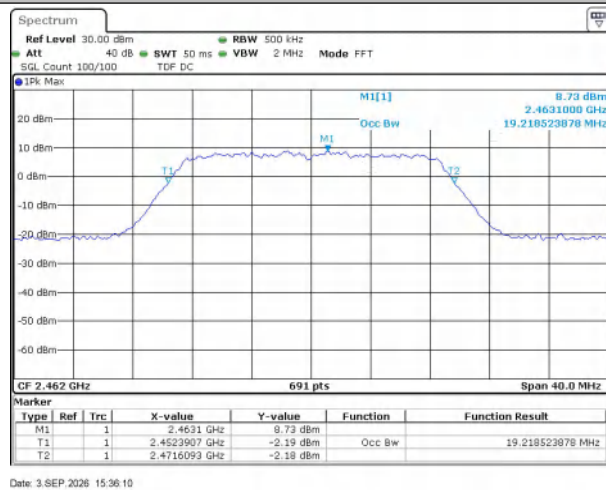
NTNV_802.11n(20M)_2412_MCS0_ANT1



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 AV Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	802.11b(20 M)	2412	AVER	ANT1	7.36	≤28.09	Pass
2	NTNV	802.11b(20 M)	2437	AVER	ANT1	6.85	≤28.09	Pass
3	NTNV	802.11b(20 M)	2462	AVER	ANT1	7.34	≤28.09	Pass
4	NTNV	802.11g(20 M)	2412	AVER	ANT1	7.50	≤28.09	Pass
5	NTNV	802.11g(20 M)	2437	AVER	ANT1	7.04	≤28.09	Pass
6	NTNV	802.11g(20 M)	2462	AVER	ANT1	7.15	≤28.09	Pass
7	NTNV	802.11n(20 M)	2412	AVER	ANT1	6.39	≤28.09	Pass
8	NTNV	802.11n(20 M)	2437	AVER	ANT1	5.90	≤28.09	Pass
9	NTNV	802.11n(20 M)	2462	AVER	ANT1	6.04	≤28.09	Pass

Note:

The data chart has been updated with Duty factor.

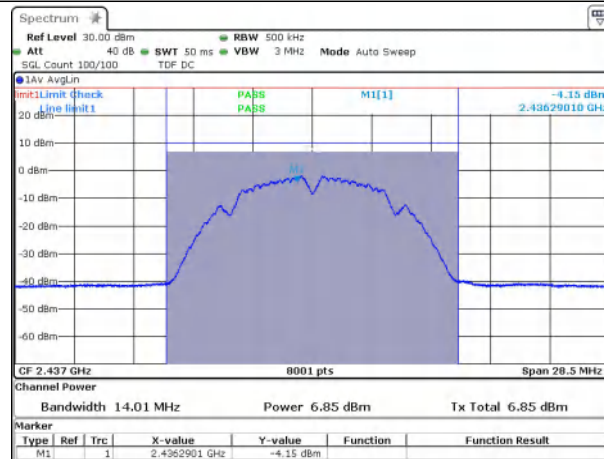
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



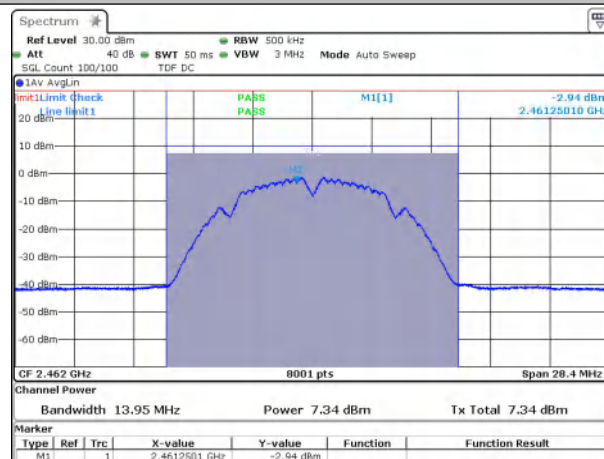
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



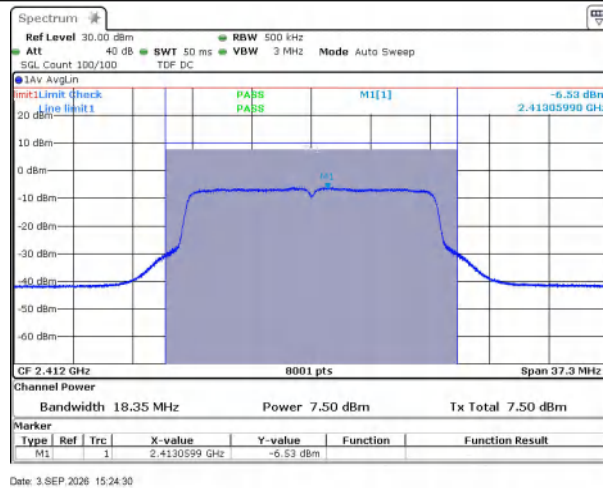
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

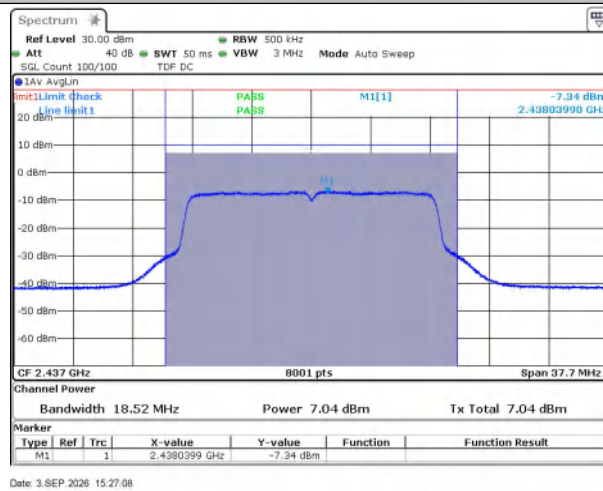


Date: 3.SEP.2026 15:21:53

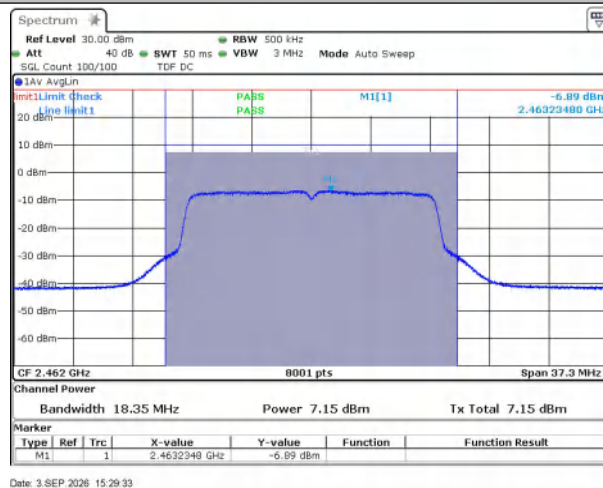
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



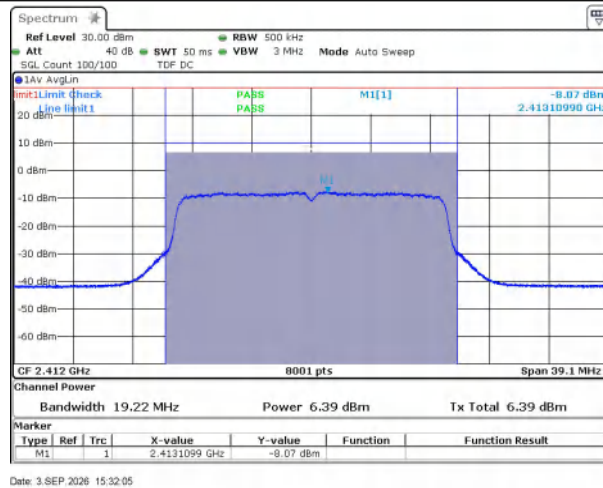
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



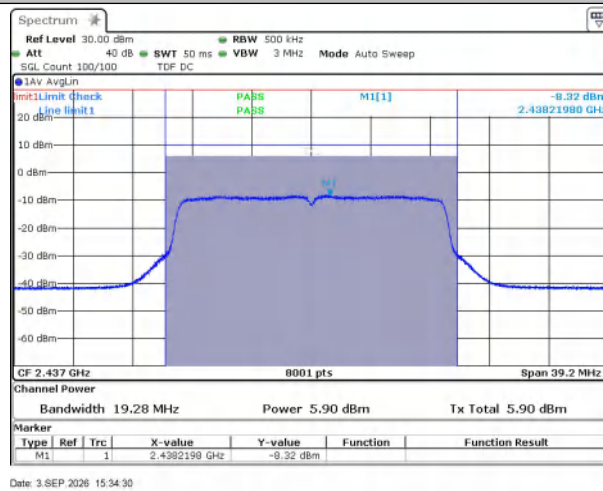
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



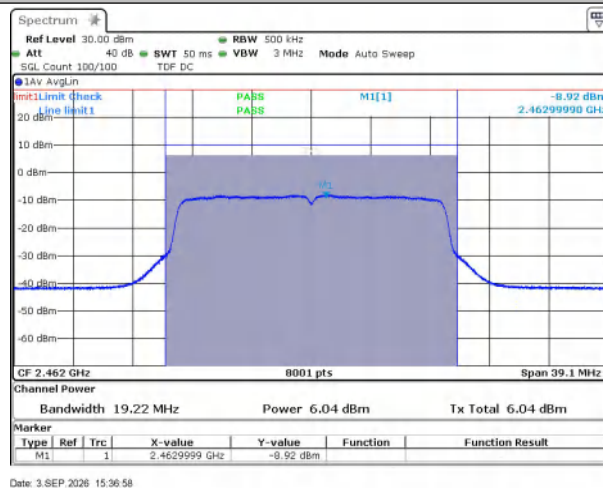
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



Appendix D: Maximum power spectral density

Test Result

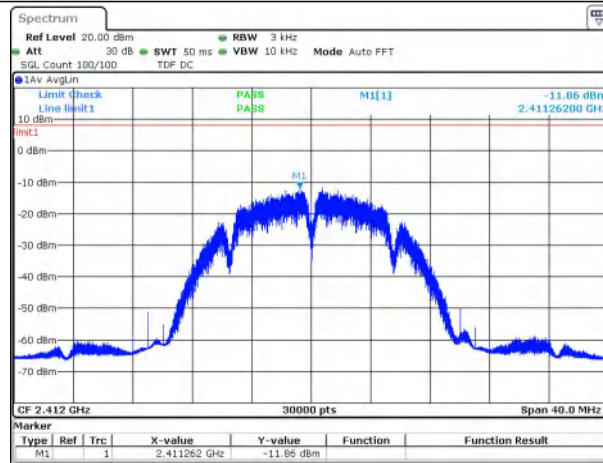
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	NTNV	802.11b(20M)	2412	1Mbps	ANT1	-11.86	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-12.53	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-12.01	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-12.59	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-13.49	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-13.15	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-14.07	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-14.69	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-14.52	≤ 8	Pass

Note:

The data chart has been updated with Duty factor.

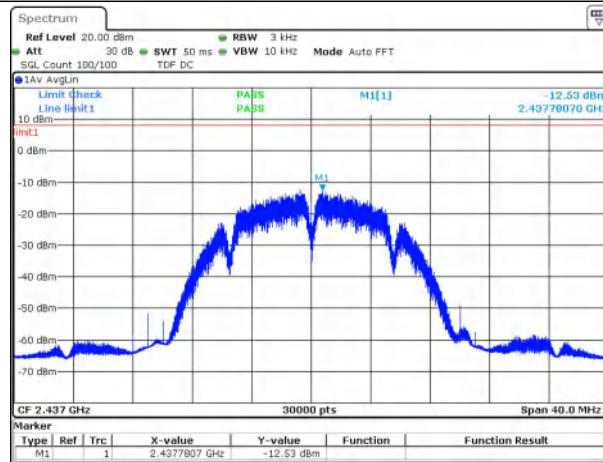
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



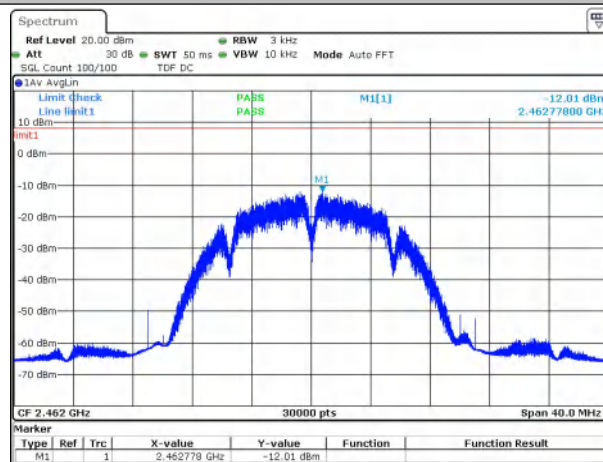
Date: 3.SEP.2026 15:12:49

NTNV_802.11b(20M)_2437_1Mbps_ANT1



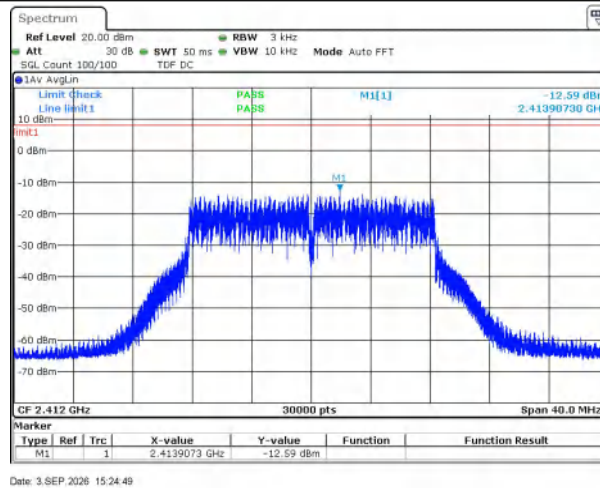
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

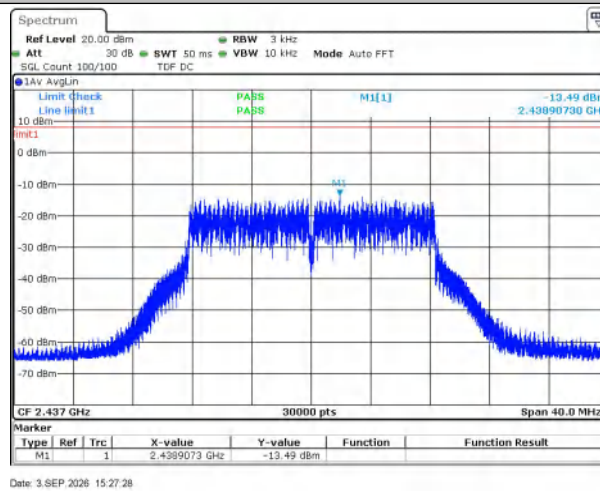


Date: 3.SEP.2026 15:22:13

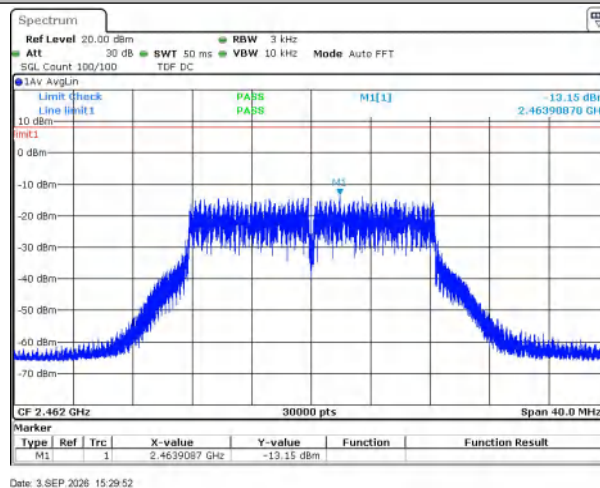
NTNV_802.11g(20M)_2412_6Mbps_ANT1



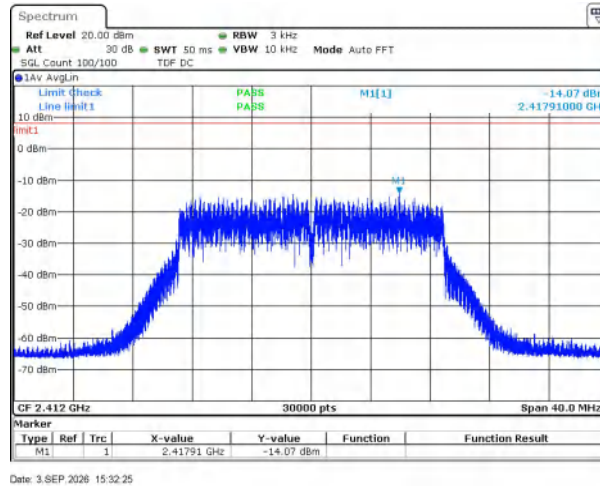
NTNV_802.11g(20M)_2437_6Mbps_ANT1



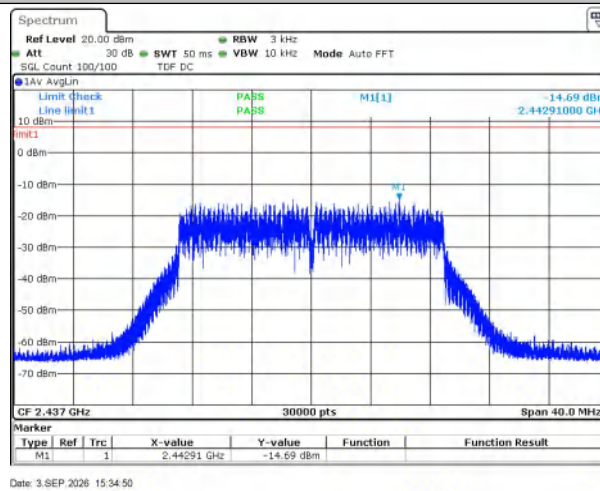
NTNV_802.11g(20M)_2462_6Mbps_ANT1



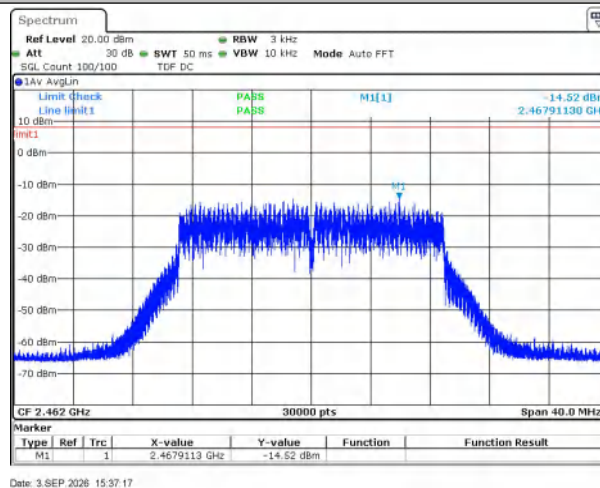
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



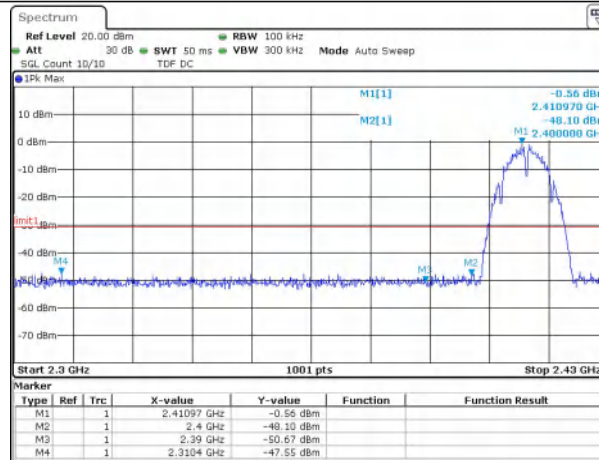
Appendix E: Band edge measurements

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	-0.56	-47.55	≤ -20.56	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	0.46	-47.53	≤ -19.54	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-2.54	-43.22	≤ -22.54	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-2.94	-46.26	≤ -22.94	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	-3.51	-39.81	≤ -23.51	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-2.81	-47.28	≤ -22.81	Pass

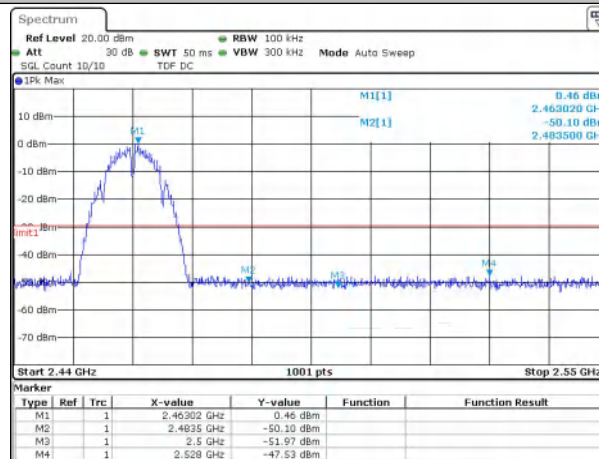
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



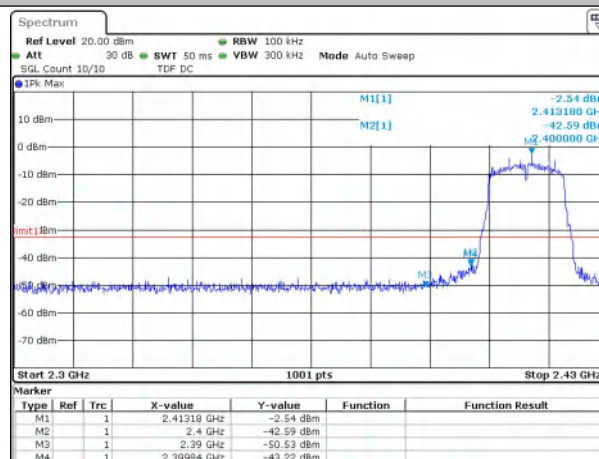
Date: 26 OCT 2026 15:46:10

NTNV_802.11b(20M)_2462_1Mbps_ANT1



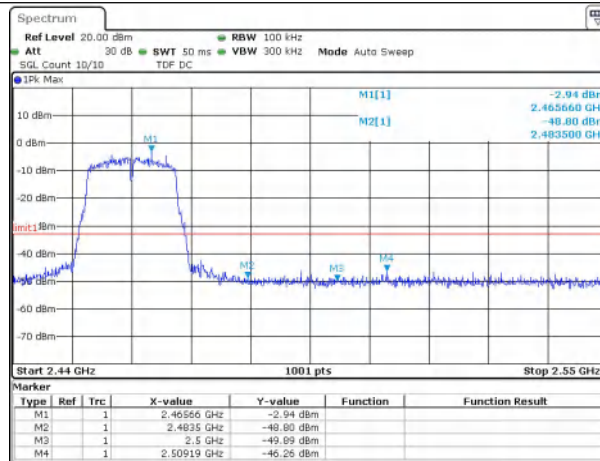
Date: 26 OCT 2026 15:51:01

NTNV_802.11g(20M)_2412_6Mbps_ANT1



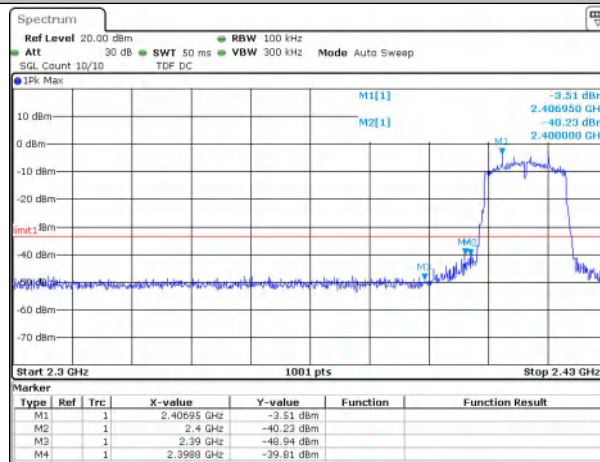
Date: 26 OCT 2026 15:56:07

NTNV_802.11g(20M)_2462_6Mbps_ANT1



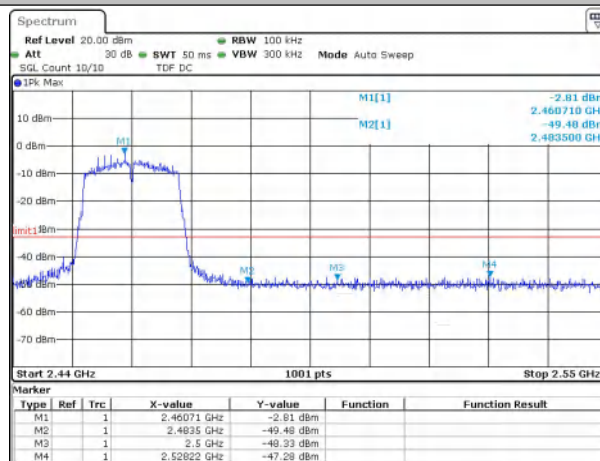
Date: 26 OCT 2026 16:01:32

NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 26 OCT 2026 16:04:48

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 26 OCT 2026 16:08:23

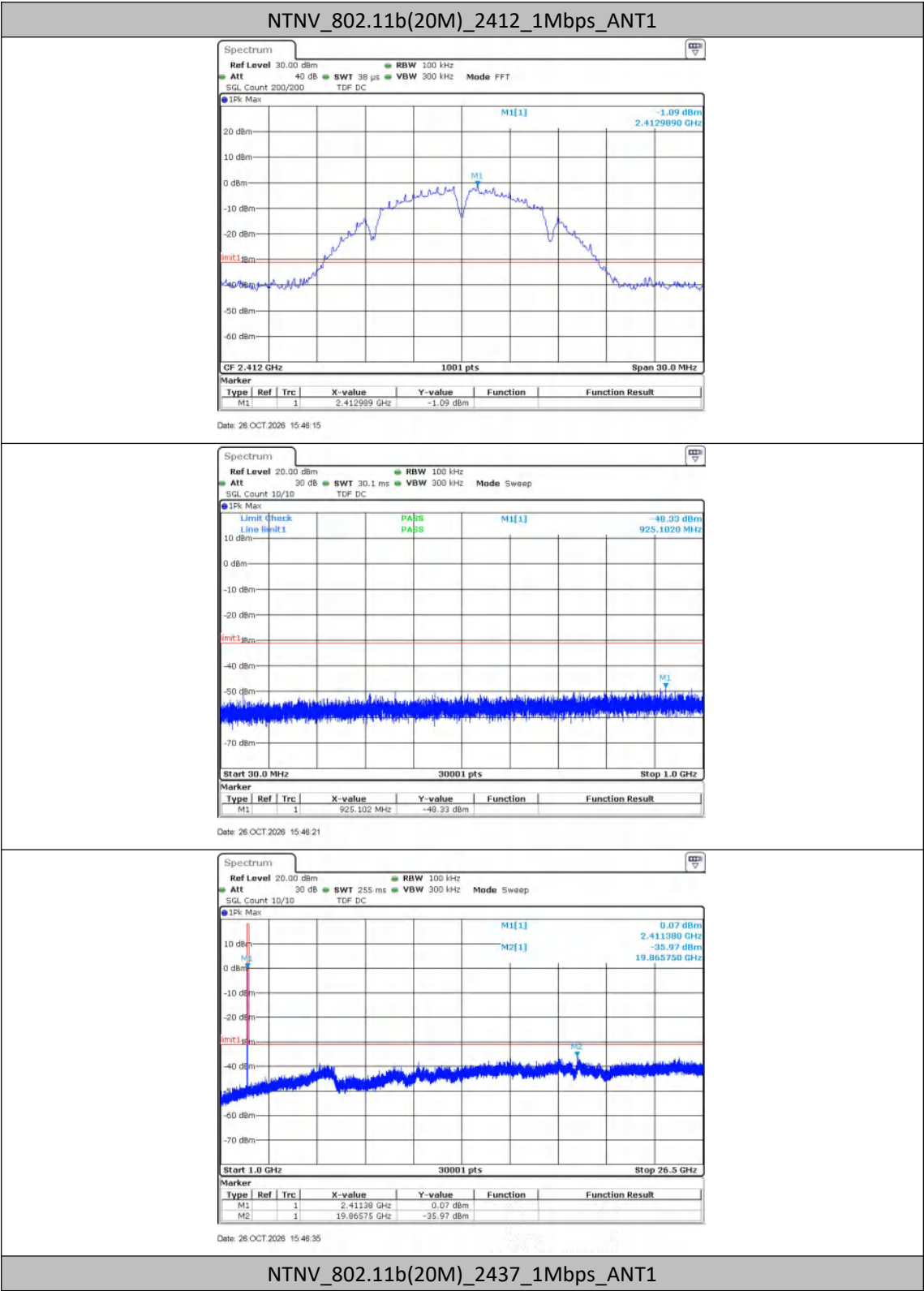
Appendix F: Conducted Spurious Emission

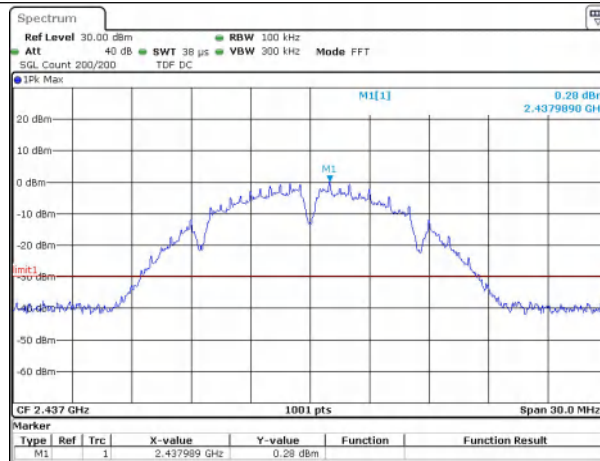
Test Result

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	-1.09	/	PASS
						30~1000	0.1	-48.33	≤-31.09	Pass
						1000~26500	0.1	-35.97	≤-31.09	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	0.28	/	PASS
						30~1000	0.1	-48.98	≤-29.72	Pass
						1000~26500	0.1	-36.39	≤-29.72	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	0.34	/	PASS
						30~1000	0.1	-49.04	≤-29.66	Pass
						1000~26500	0.1	-36.48	≤-29.66	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	-2.19	/	PASS
						30~1000	0.1	-48.90	≤-32.19	Pass
						1000~26500	0.1	-36.85	≤-32.19	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	-4.06	/	PASS
						30~1000	0.1	-49.50	≤-34.06	Pass
						1000~26500	0.1	-35.90	≤-34.06	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-4.54	/	PASS
						30~1000	0.1	-49.04	≤-34.54	Pass
						1000~26500	0.1	-36.22	≤-34.54	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	-2.42	/	PASS
						30~1000	0.1	-48.72	≤-32.42	Pass
						1000~26500	0.1	-36.05	≤-32.42	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	-2.36	/	PASS
						30~1000	0.1	-49.32	≤-32.36	Pass
						1000~26500	0.1	-36.38	≤-32.36	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	-1.58	/	PASS

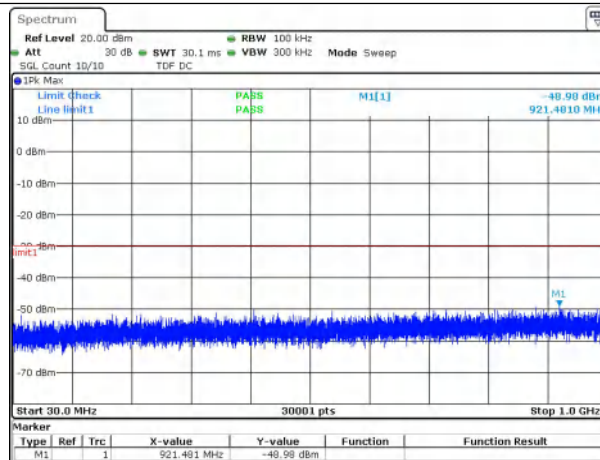
						30~1000	0.1	-47.83	≤ -31.58	Pass
						1000~26500	0.1	-36.81	≤ -31.58	Pass

Test Graphs

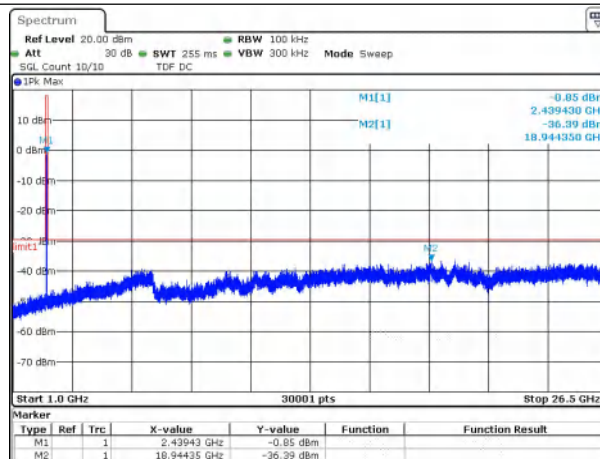




Date: 26 OCT 2026 15:48:54

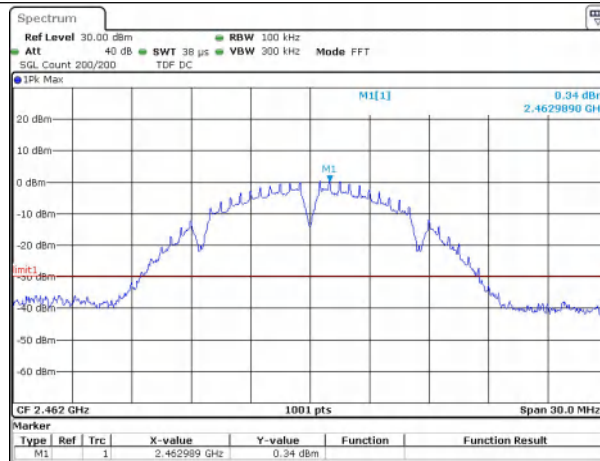


Date: 26 OCT 2026 15:49:00

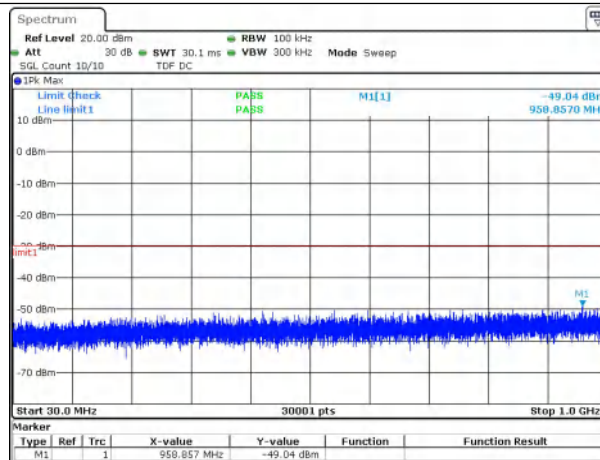


Date: 26 OCT 2026 15:49:14

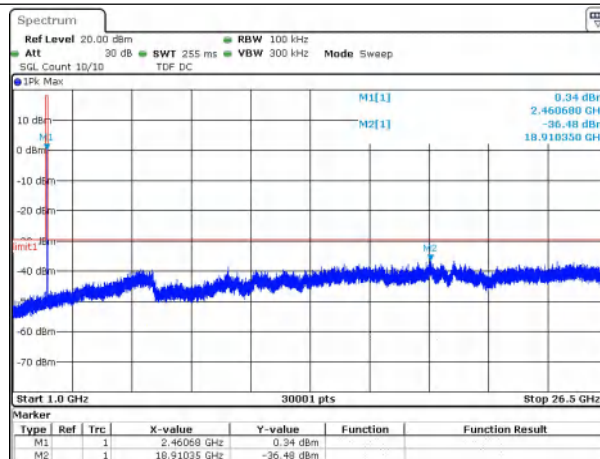
NTNV_802.11b(20M)_2462_1Mbps_ANT1



Date: 26 OCT 2026 15:51:07

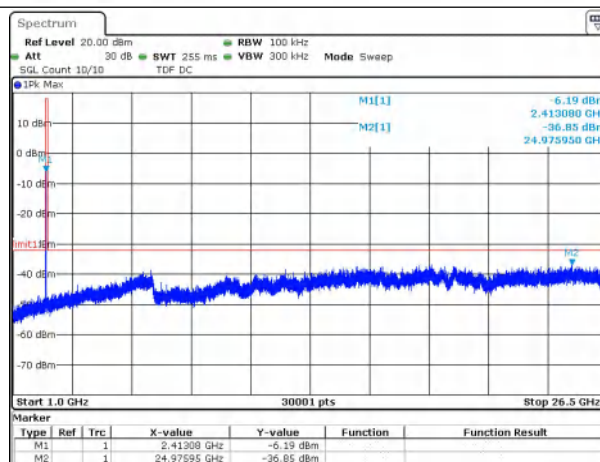
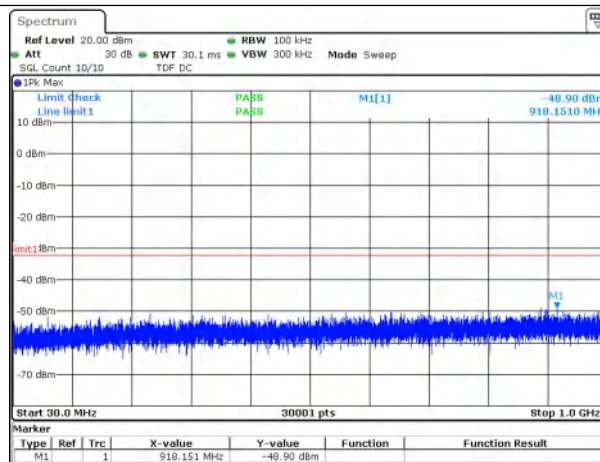
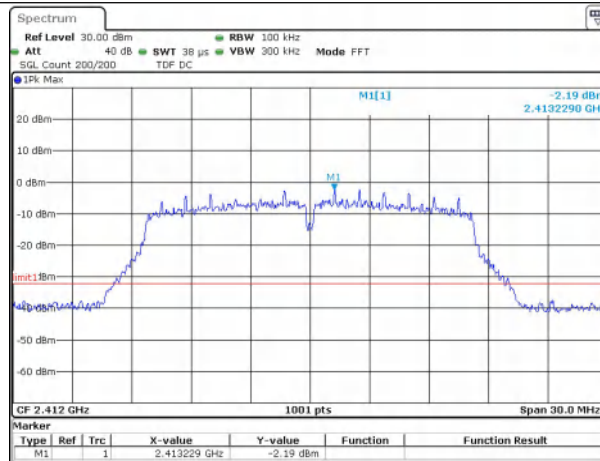


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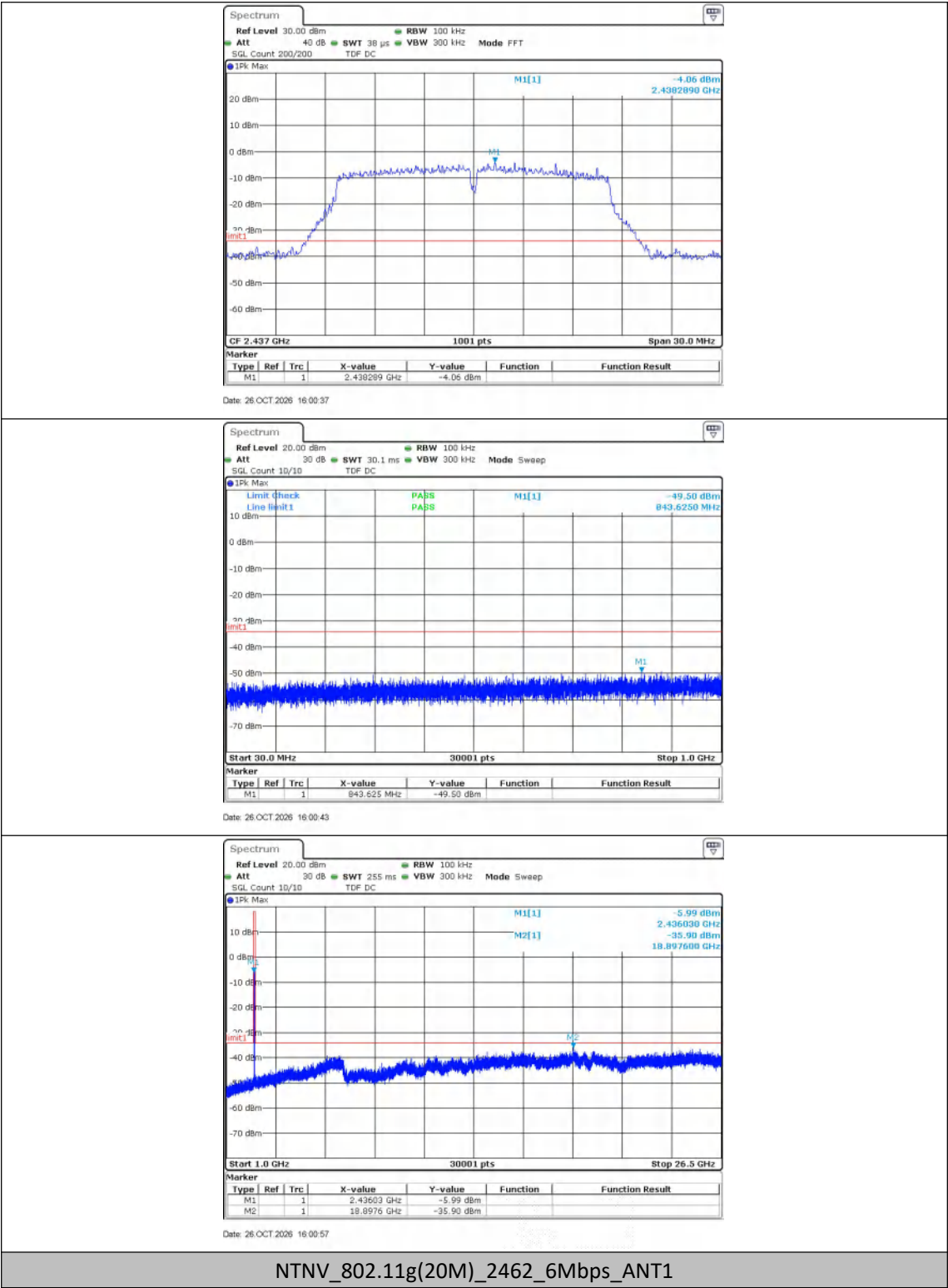


Date: 26 OCT 2026 15:51:27

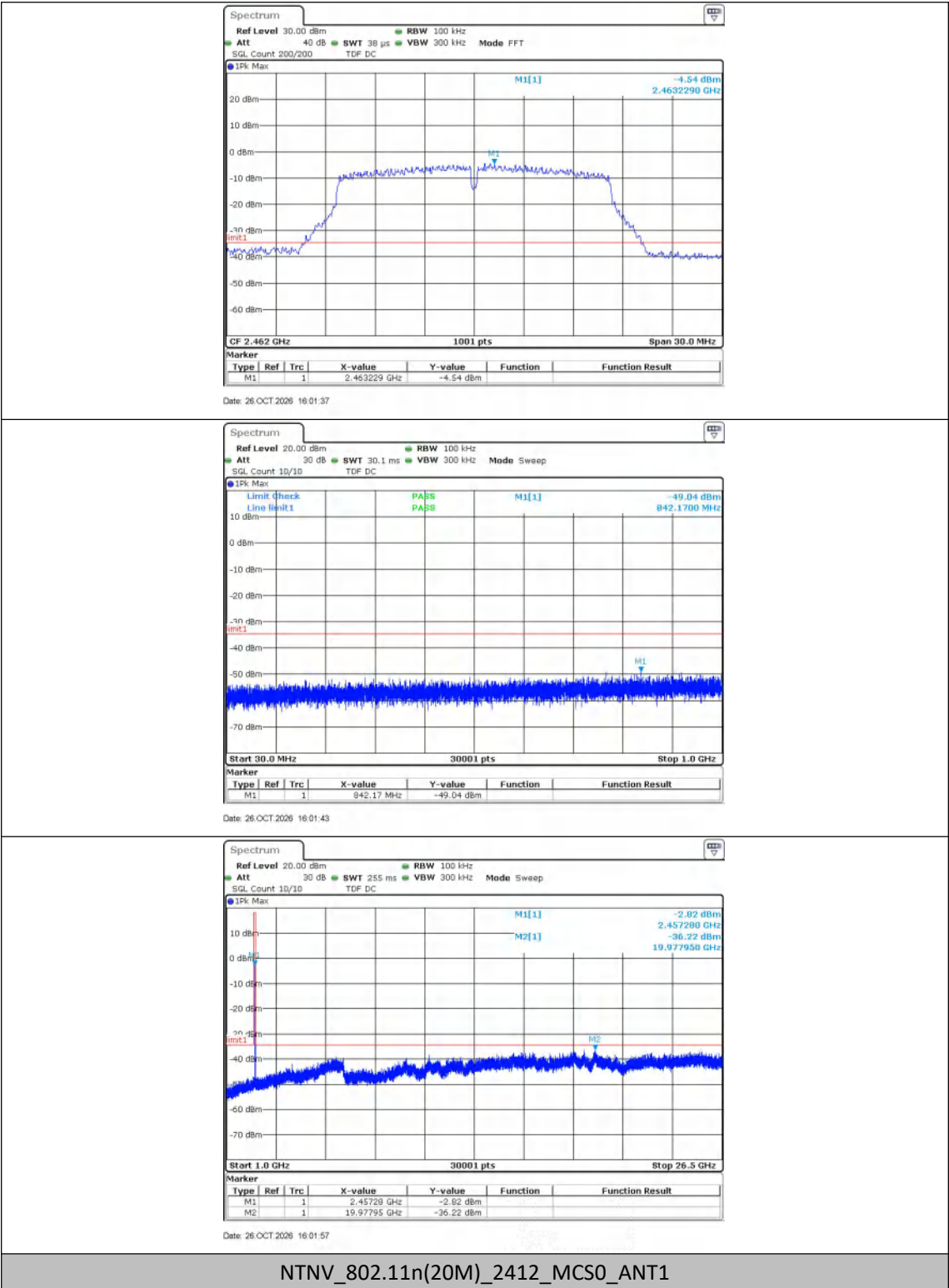
NTNV_802.11g(20M)_2412_6Mbps_ANT1

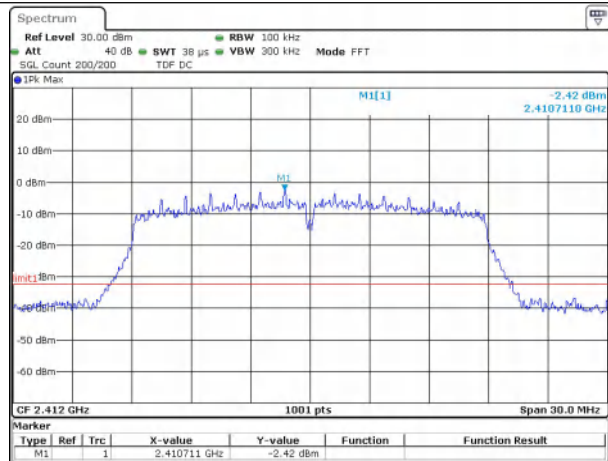


NTNV_802.11g(20M)_2437_6Mbps_ANT1

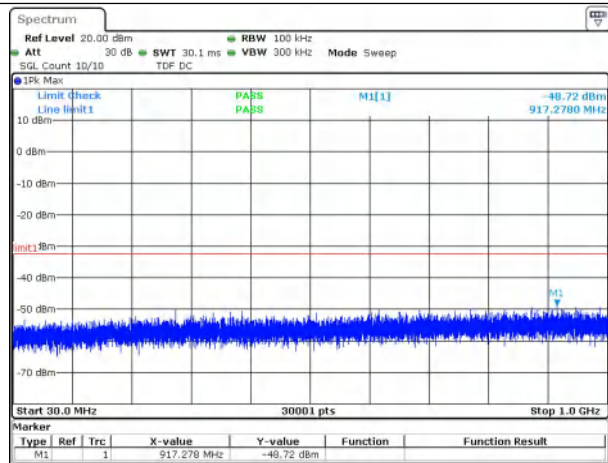


NTNV_802.11g(20M)_2462_6Mbps_ANT1

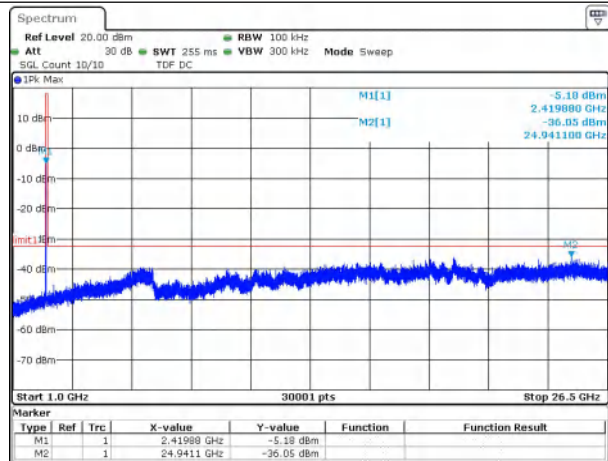




Date: 26 OCT 2026 16:04:53

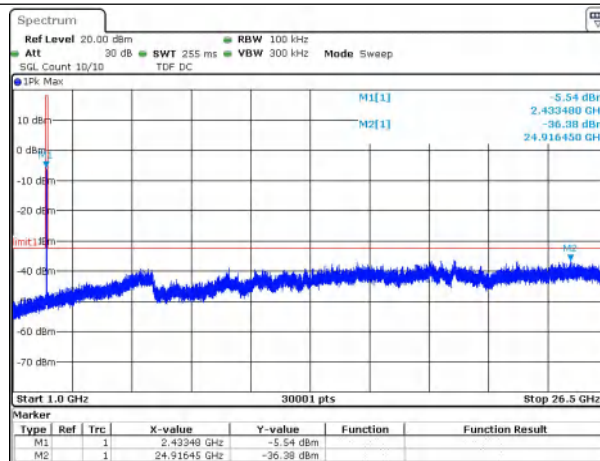
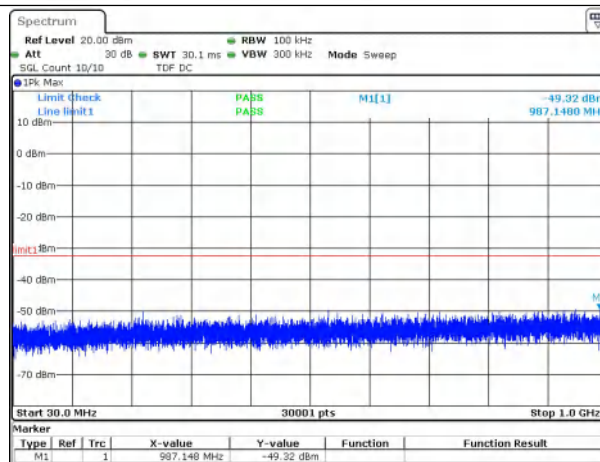
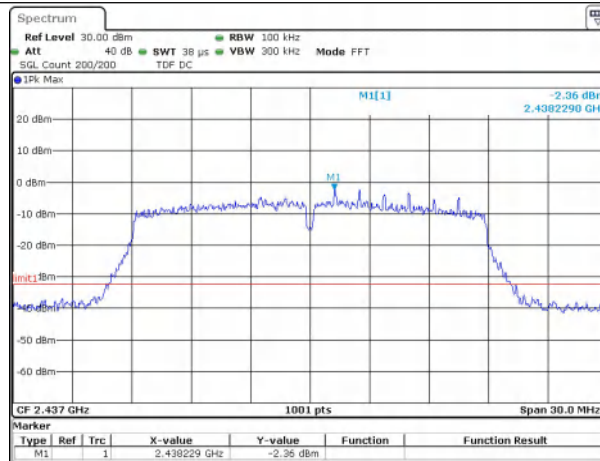


Date: 26 OCT 2026 16:05:00

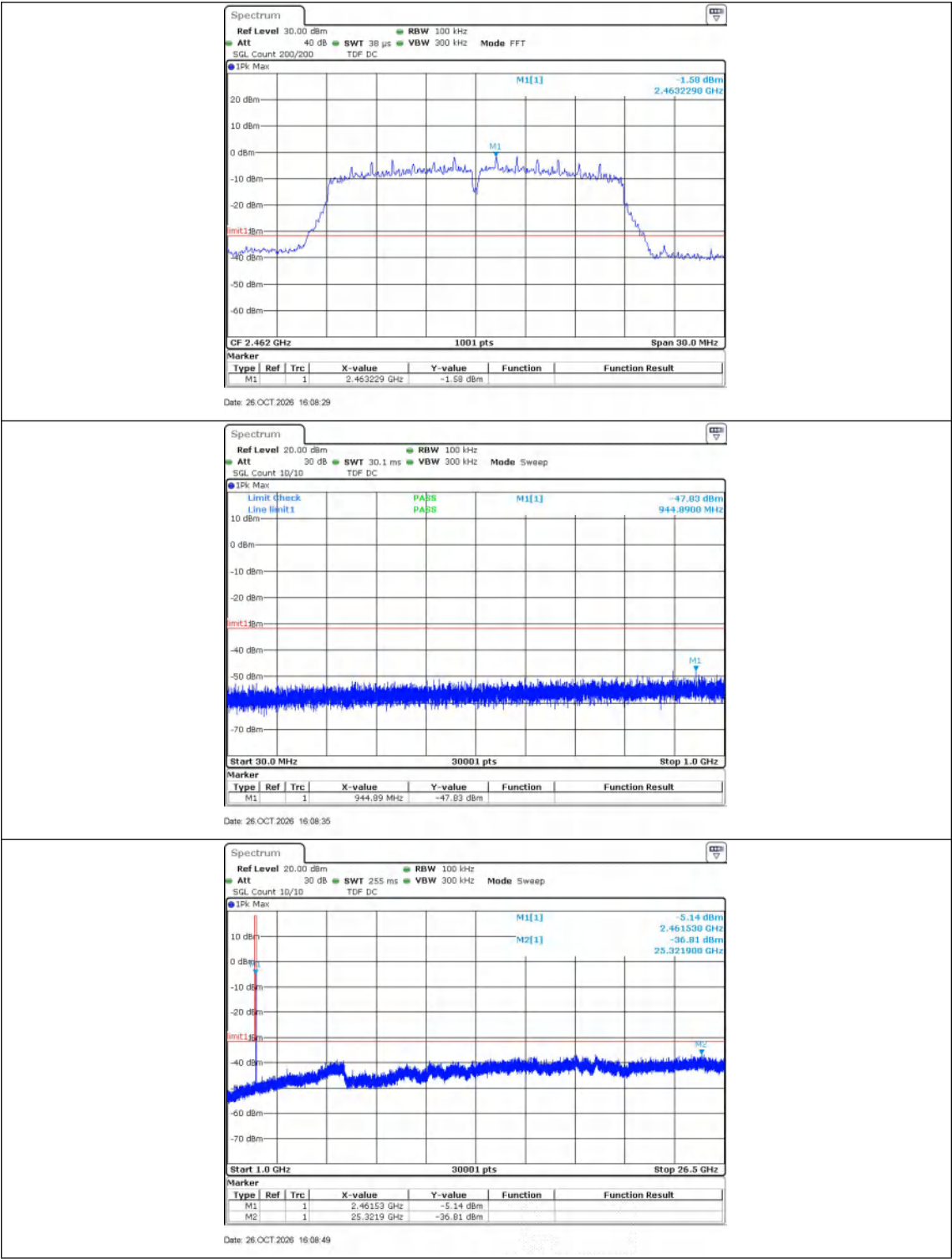


Date: 26 OCT 2026 16:05:14

NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



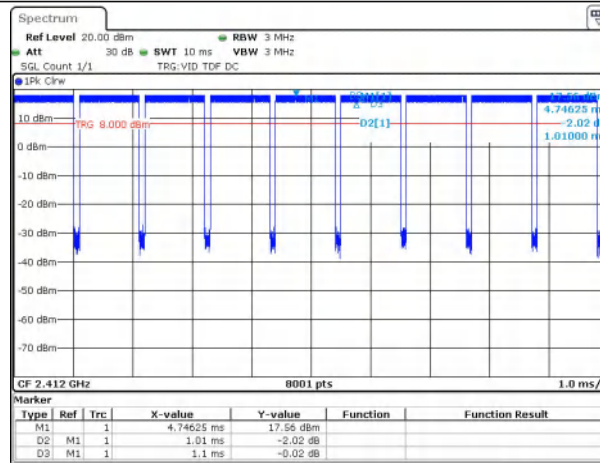
Appendix G: Duty Cycle

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	1.01	1.10	0.92	91.82
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	1.01	1.10	0.92	91.82
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	1.01	1.10	0.92	91.70
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	0.62	0.66	0.94	93.56
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	0.62	0.66	0.94	93.56
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	0.62	0.66	0.94	93.56
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	0.62	0.66	0.94	93.71
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	0.61	0.66	0.94	93.70
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	0.62	0.66	0.94	93.71

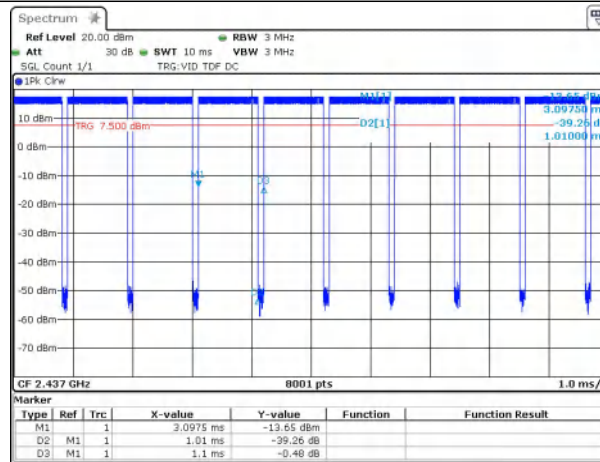
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



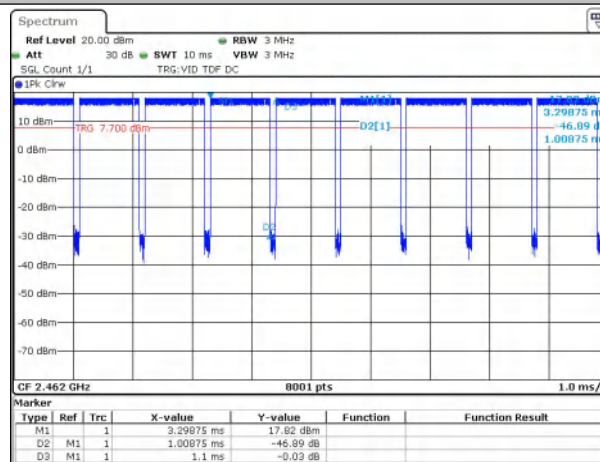
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



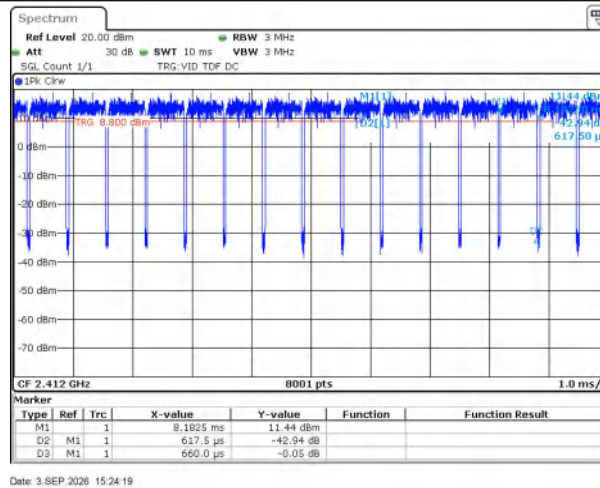
Date: 3.SEP.2026 15:19:03

NTNV_802.11b(20M)_2462_1Mbps_ANT1

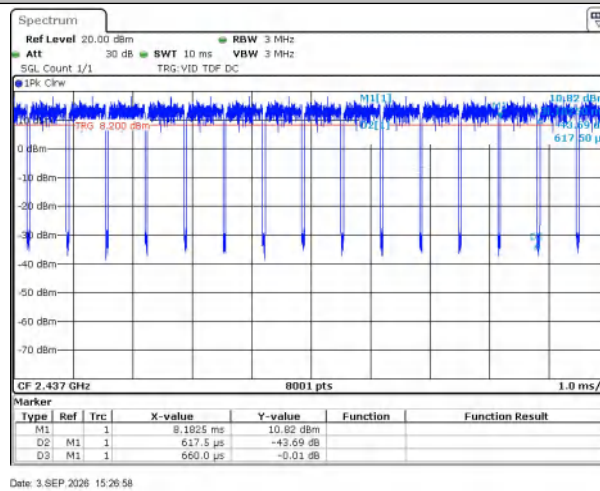


Date: 3.SEP.2026 15:21:43

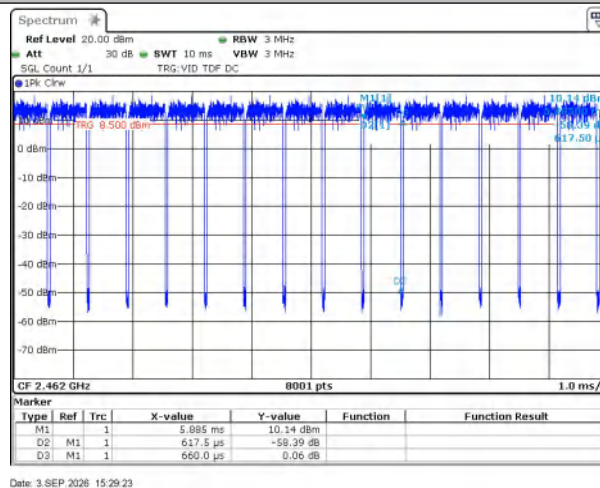
NTNV_802.11g(20M)_2412_6Mbps_ANT1



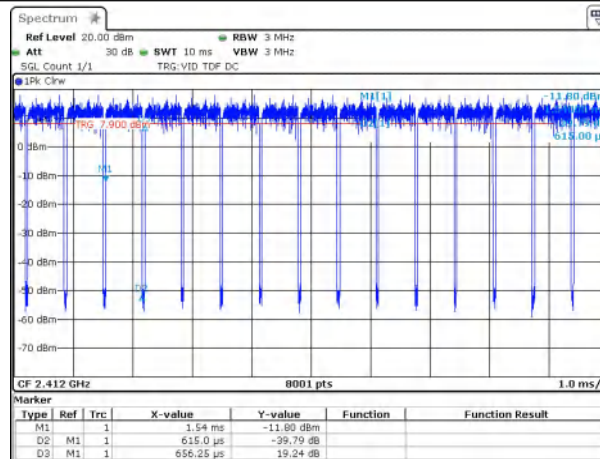
NTNV_802.11g(20M)_2437_6Mbps_ANT1



NTNV_802.11g(20M)_2462_6Mbps_ANT1

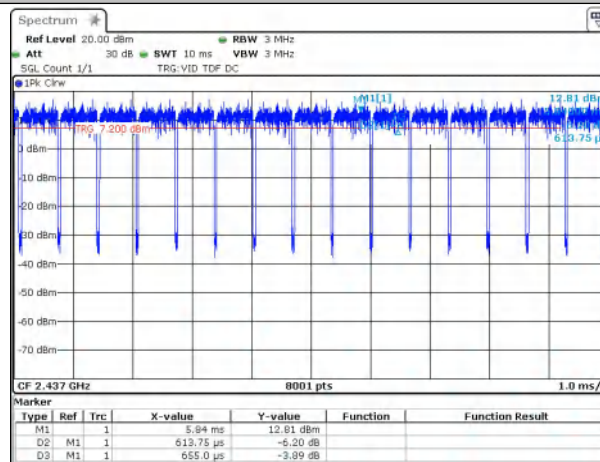


NTNV_802.11n(20M)_2412_MCS0_ANT1



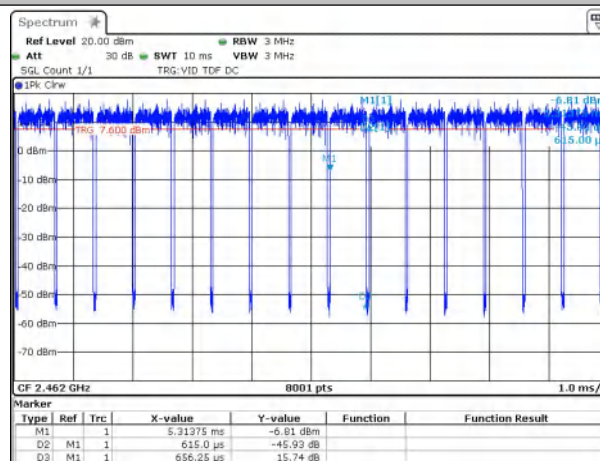
Date: 3.SEP.2026 15:31:55

NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 3.SEP.2026 15:34:20

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 3.SEP.2026 15:36:48