



CQASZ20260701615E-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	Emissions in Restricted Bands	Pass
8	Duty Cycle	Pass

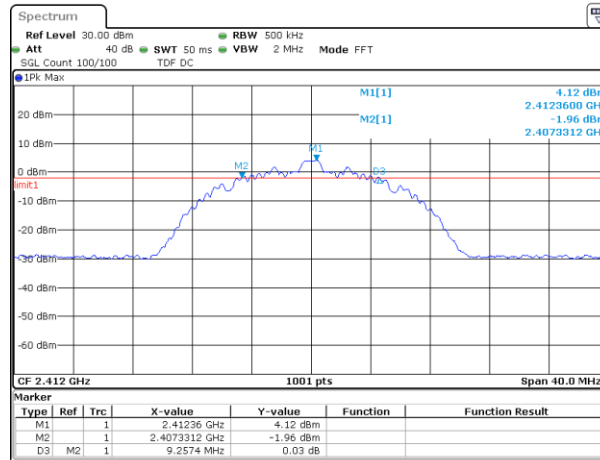
Appendix A: DTS Bandwidth

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	9.26	2407.00	2417.00	≥ 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	9.27	2457.00	2467.00	≥ 0.5	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	16.81	2404.00	2420.00	≥ 0.5	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	16.42	2429.00	2445.00	≥ 0.5	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	16.86	2454.00	2470.00	≥ 0.5	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	17.08	2404.00	2421.00	≥ 0.5	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	16.16	2429.00	2445.00	≥ 0.5	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	17.10	2454.00	2471.00	≥ 0.5	Pass

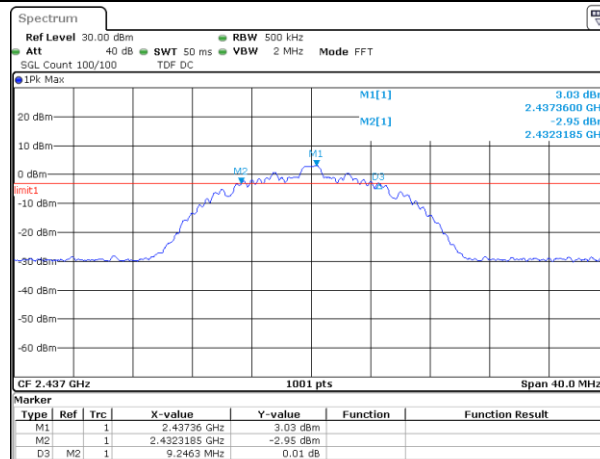
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



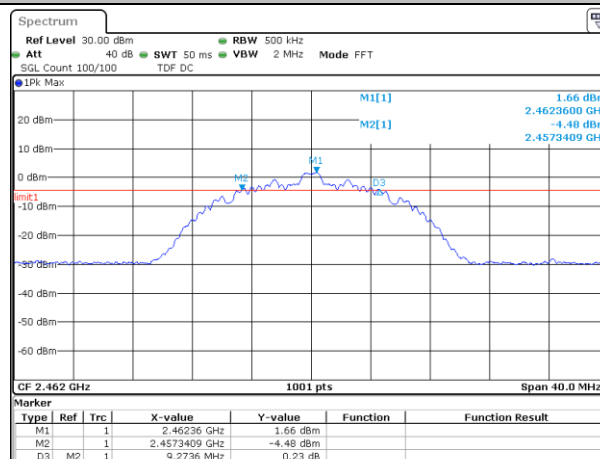
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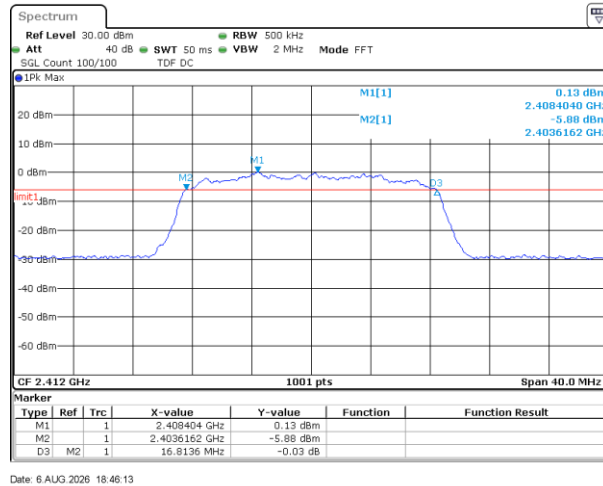
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

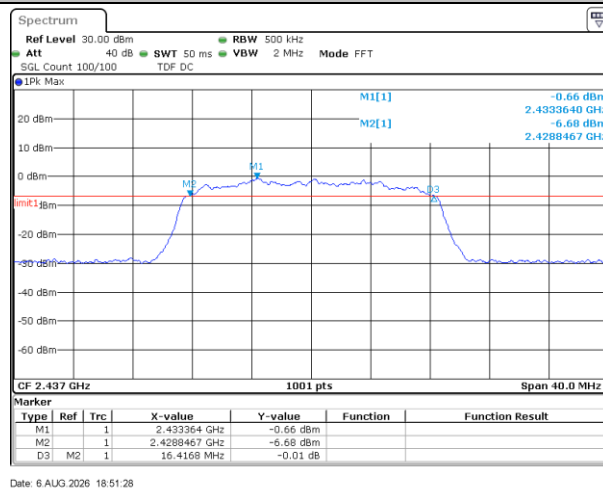


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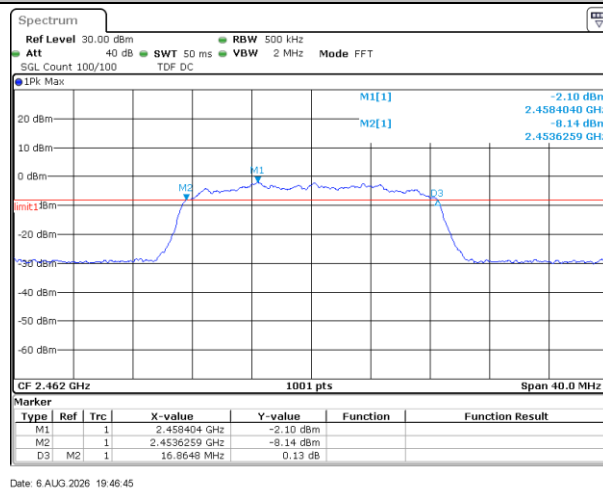
NTNV_802.11g(20M)_2412_6Mbps_ANT1



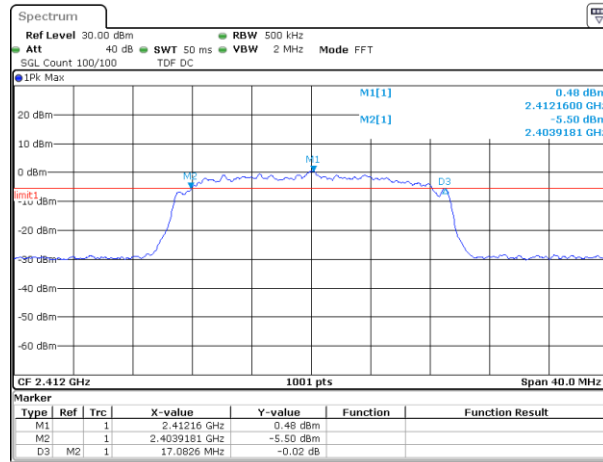
NTNV_802.11g(20M)_2437_6Mbps_ANT1



NTNV_802.11g(20M)_2462_6Mbps_ANT1

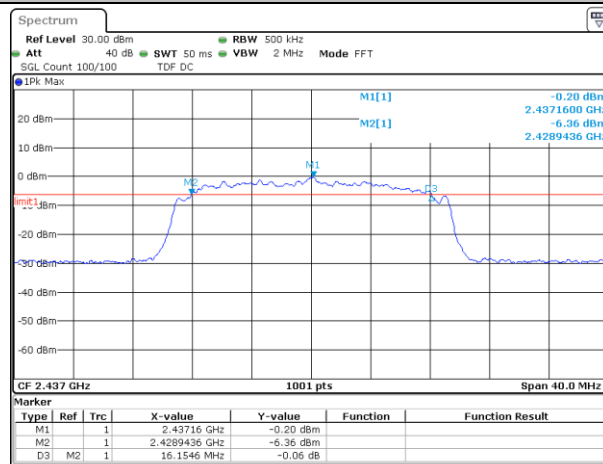


NTNV_802.11n(20M)_2412_MCS0_ANT1



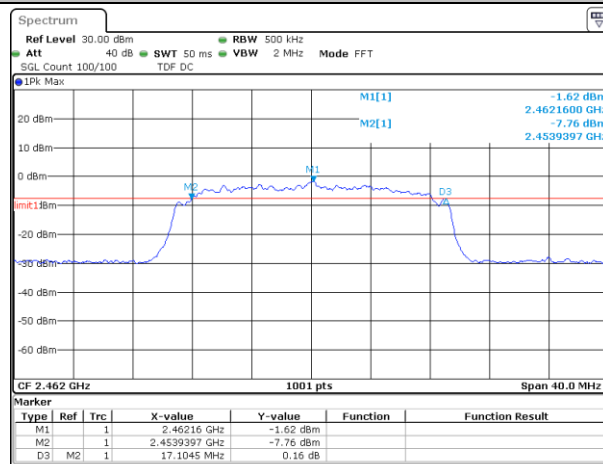
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NTNV_802.11n(20M)_2437_MCS0_ANT1



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NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 6 AUG 2026 19:57:49

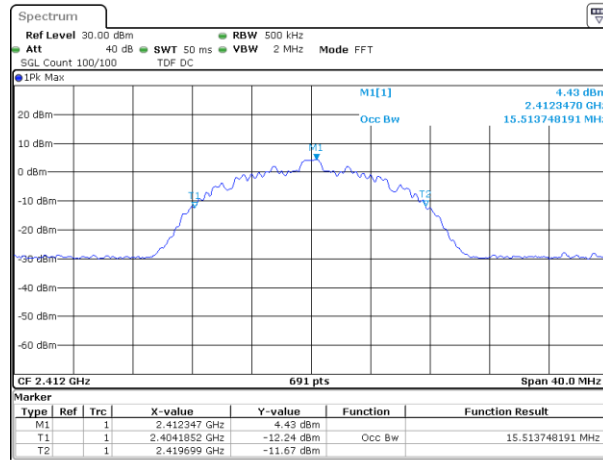
Appendix B: Occupied Channel Bandwidth

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	15.51	≥0.5	2404.00	2420.00	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	15.69	≥0.5	2429.00	2445.00	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	15.98	≥0.5	2454.00	2470.00	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	17.42	≥0.5	2403.00	2421.00	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	17.42	≥0.5	2428.00	2446.00	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	17.54	≥0.5	2453.00	2471.00	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	18.29	≥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	18.41	≥0.5	2453.00	2471.00	Pass

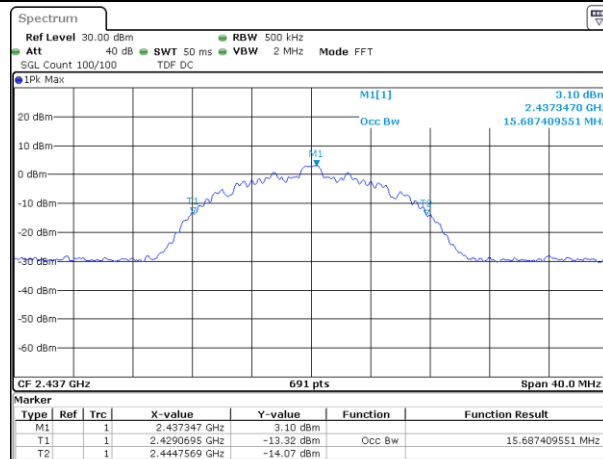
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



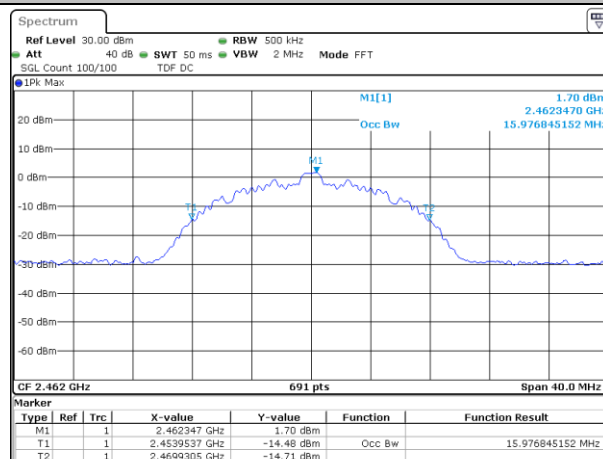
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



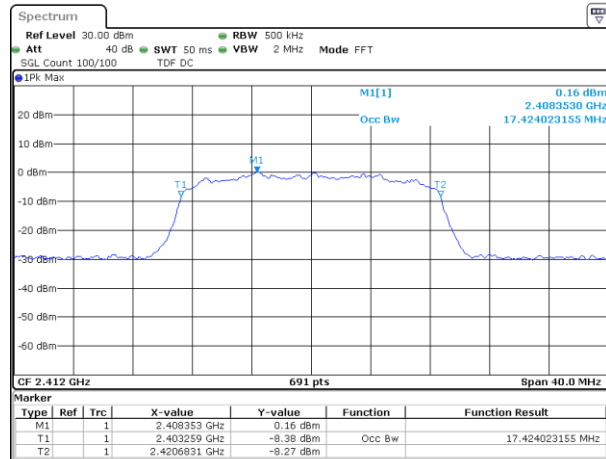
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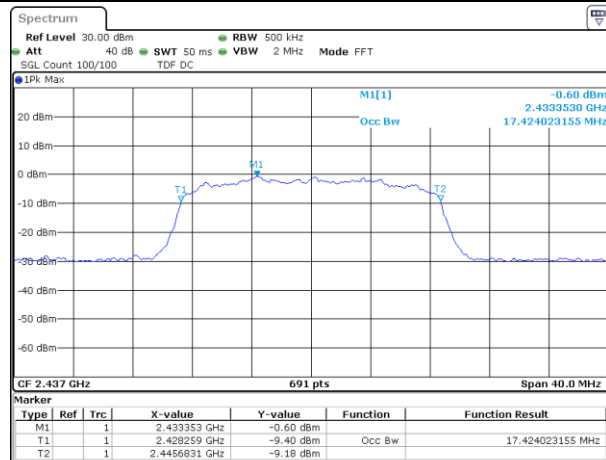
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



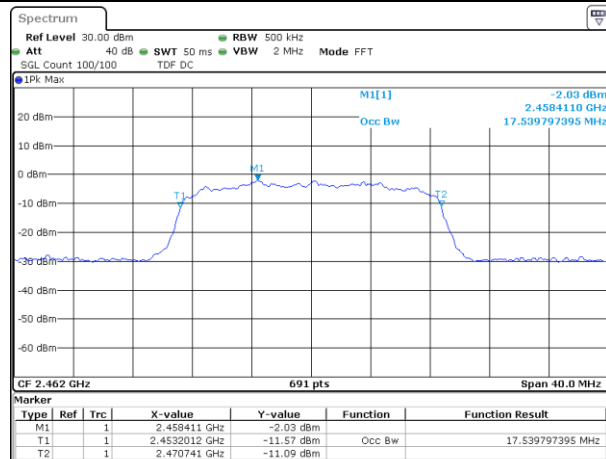
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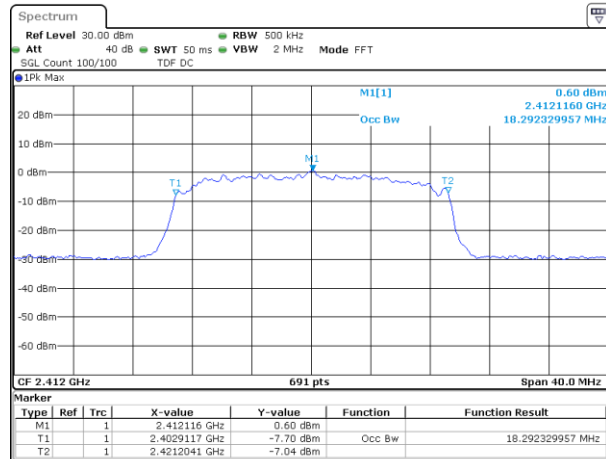
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



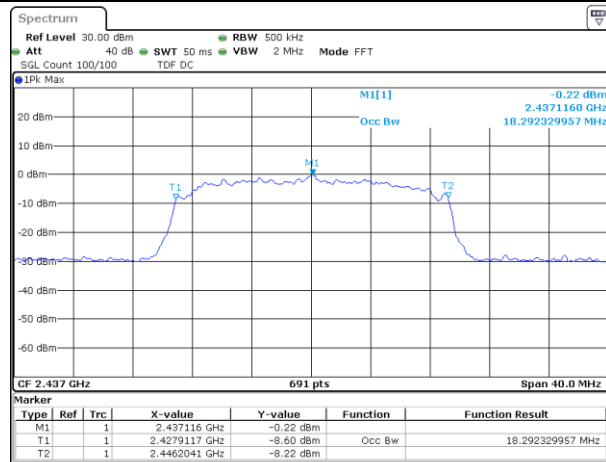
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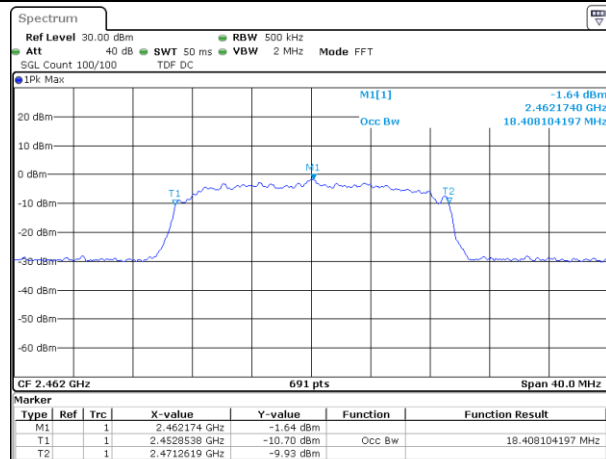
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NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 6 AUG 2026 19:52:56

NTNV_802.11n(20M)_2462_MCS0_ANT1



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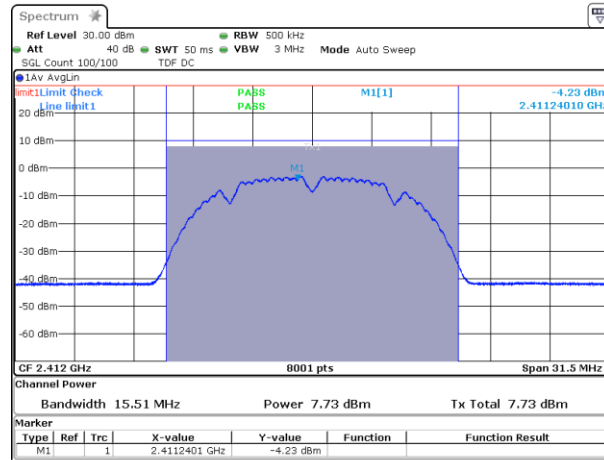
Appendix C: Maximum conducted output power

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	7.73	≤30	Pass
2	NTNV	802.11b(20M)	2437	AVER	ANT1	6.91	≤30	Pass
3	NTNV	802.11b(20M)	2462	AVER	ANT1	5.63	≤30	Pass
4	NTNV	802.11g(20M)	2412	AVER	ANT1	4.12	≤30	Pass
5	NTNV	802.11g(20M)	2437	AVER	ANT1	3.31	≤30	Pass
6	NTNV	802.11g(20M)	2462	AVER	ANT1	2.03	≤30	Pass
7	NTNV	802.11n(20M)	2412	AVER	ANT1	4.21	≤30	Pass
8	NTNV	802.11n(20M)	2437	AVER	ANT1	3.36	≤30	Pass
9	NTNV	802.11n(20M)	2462	AVER	ANT1	2.00	≤30	Pass

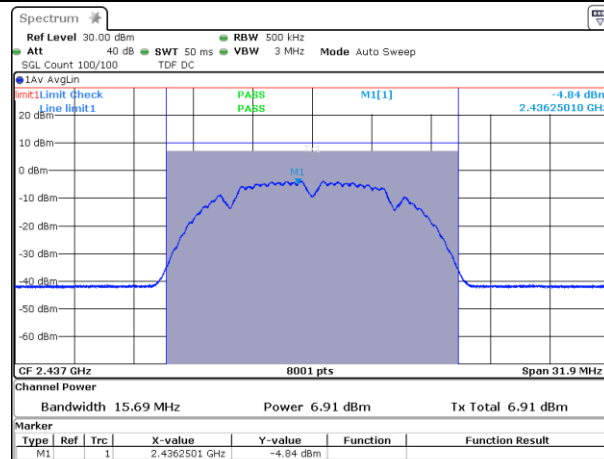
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



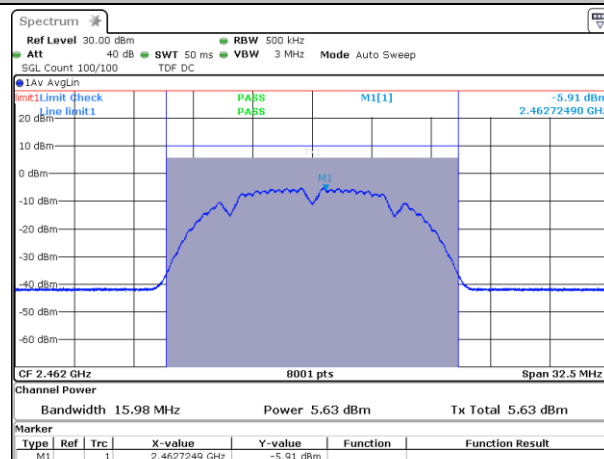
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NTNV_802.11b(20M)_2437_1Mbps_ANT1_AV



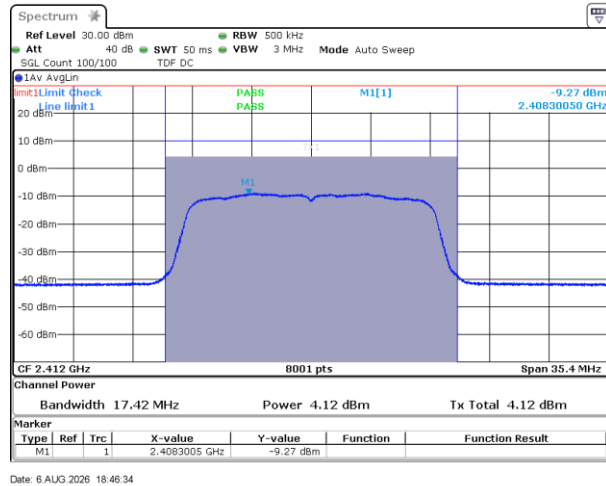
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NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV

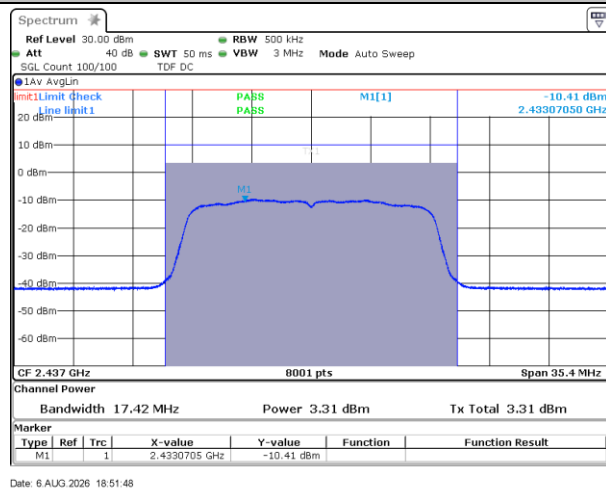


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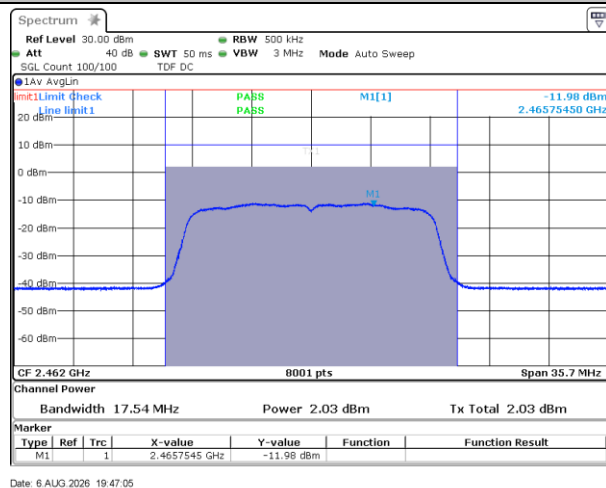
NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



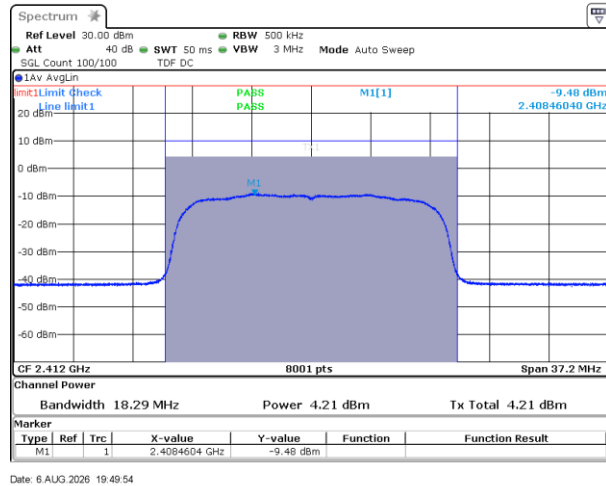
NTNV_802.11g(20M)_2437_6Mbps_ANT1_AV



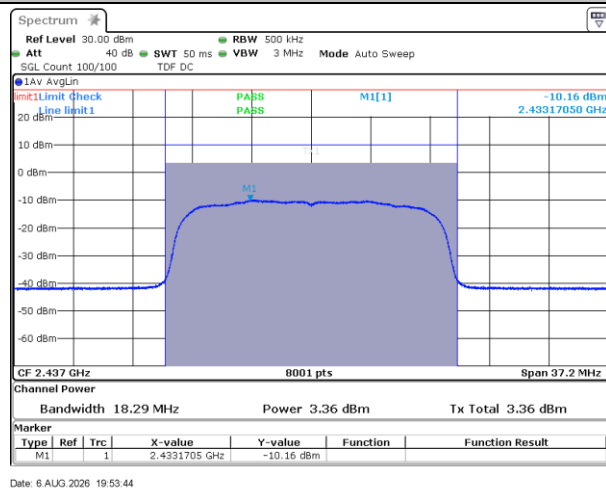
NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



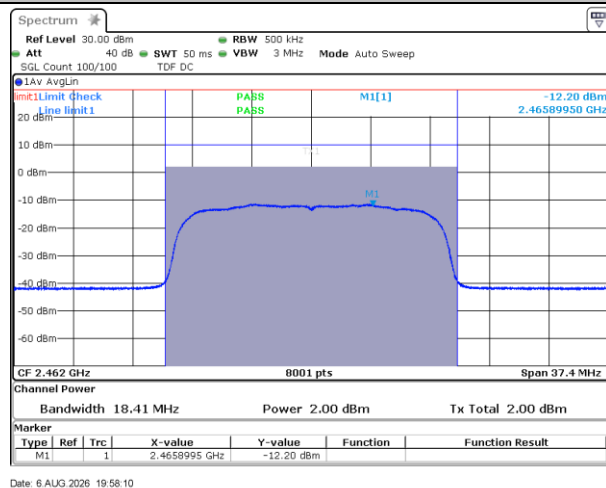
NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



NTNV_802.11n(20M)_2437_MCS0_ANT1_AV



NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



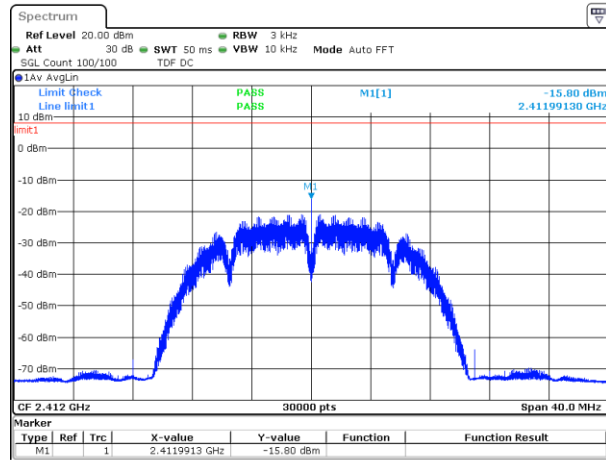
Appendix D: Maximum power spectral density

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	-15.80	≤ 8	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	-17.04	≤ 8	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-18.31	≤ 8	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-21.20	≤ 8	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	-22.72	≤ 8	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-23.78	≤ 8	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	-24.32	≤ 8	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	-24.87	≤ 8	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	-26.40	≤ 8	Pass

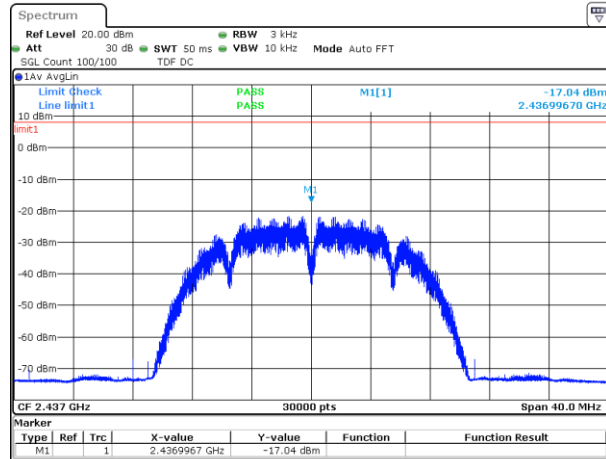
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



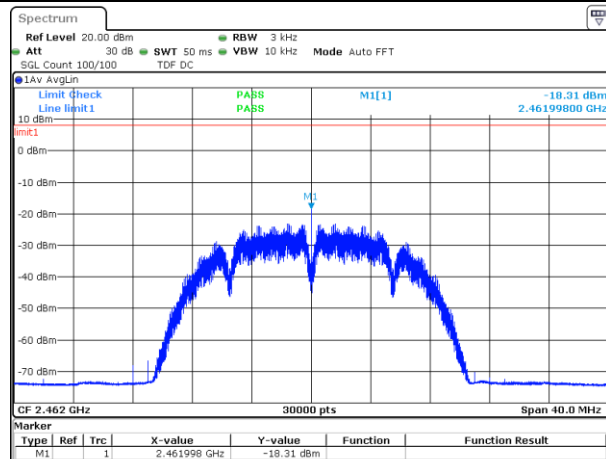
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NTNV_802.11b(20M)_2437_1Mbps_ANT1



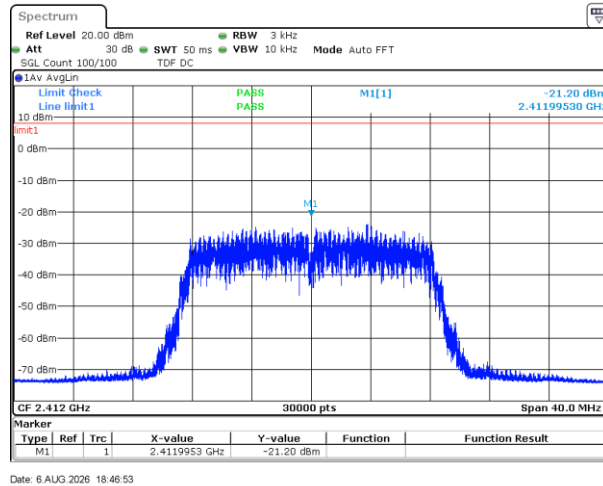
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NTNV_802.11b(20M)_2462_1Mbps_ANT1

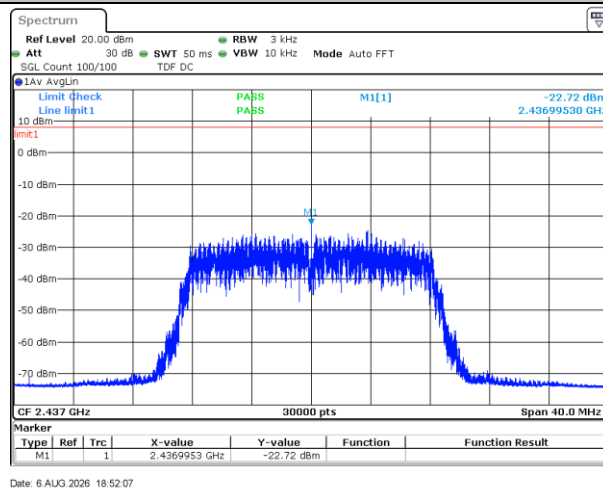


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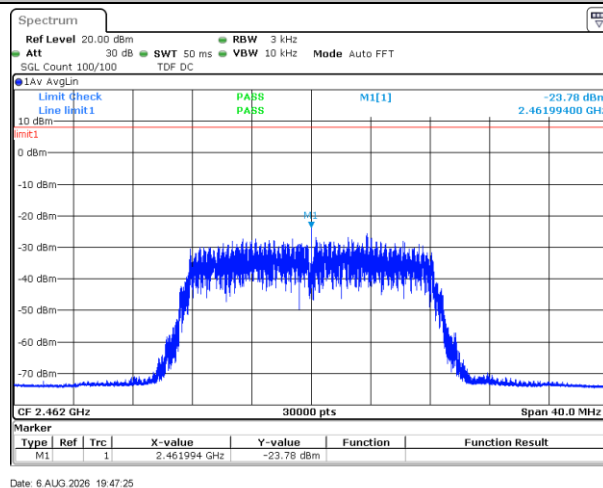
NTNV_802.11g(20M)_2412_6Mbps_ANT1



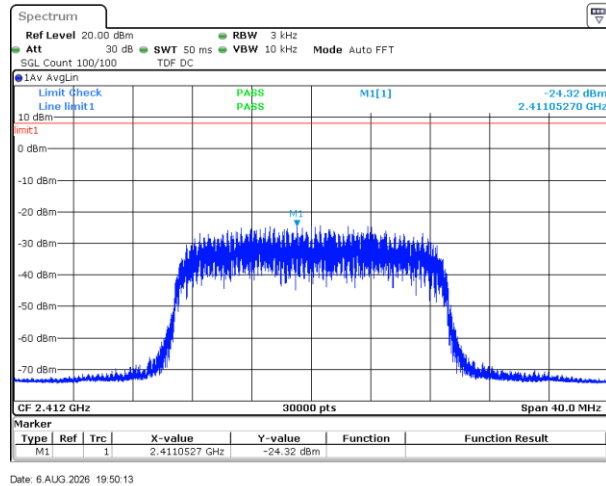
NTNV_802.11g(20M)_2437_6Mbps_ANT1



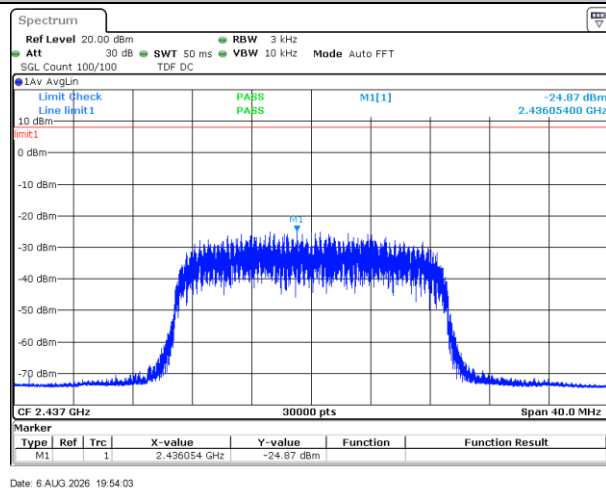
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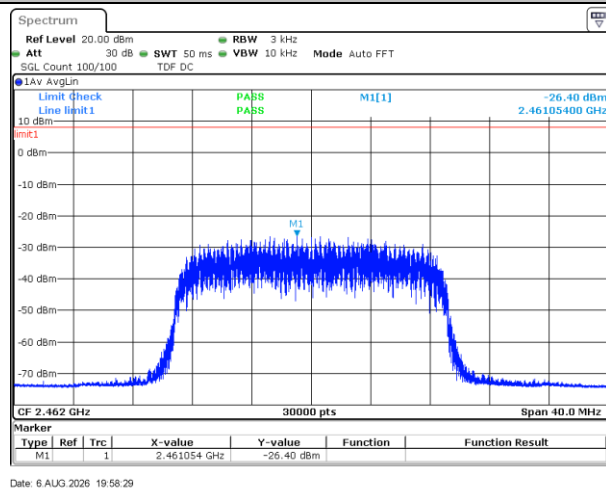
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



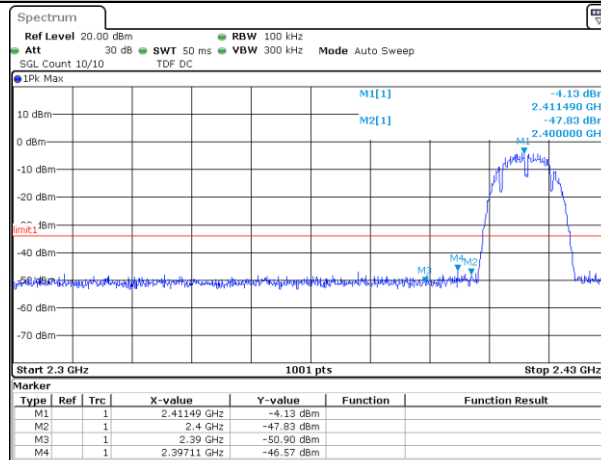
Appendix E: Band edge measurements

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	-4.13	-46.57	≤ -34.13	Pass
2	NTNV	802.11b(20M)	2462	1Mbps	ANT1	-5.77	-46.56	≤ -35.77	Pass
3	NTNV	802.11g(20M)	2412	6Mbps	ANT1	-6.1	-47.25	≤ -36.1	Pass
4	NTNV	802.11g(20M)	2462	6Mbps	ANT1	-6.05	-47.32	≤ -36.05	Pass
5	NTNV	802.11n(20M)	2412	MCS0	ANT1	-5.2	-46.86	≤ -35.2	Pass
6	NTNV	802.11n(20M)	2462	MCS0	ANT1	-6.34	-47.24	≤ -36.34	Pass

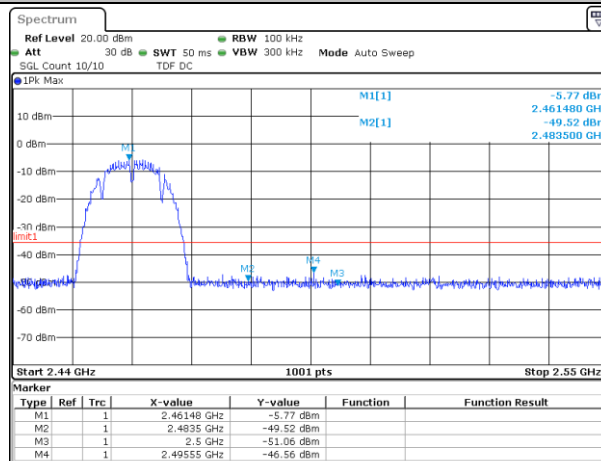
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



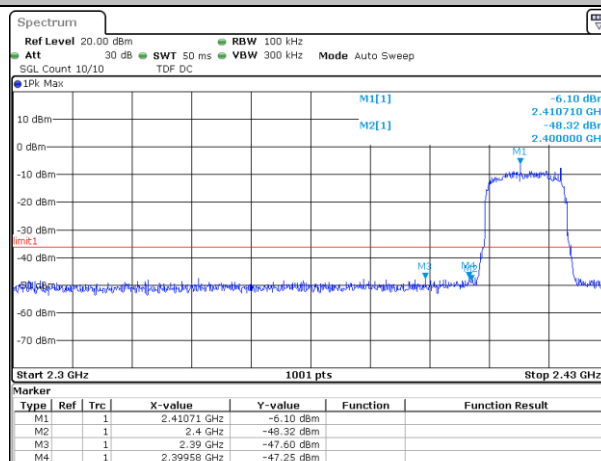
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NTNV_802.11b(20M)_2462_1Mbps_ANT1



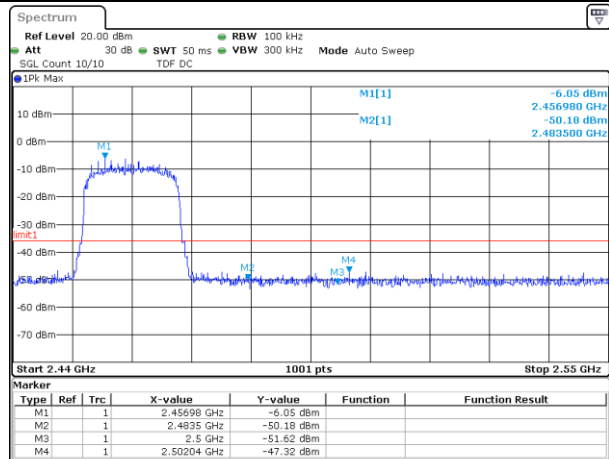
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NTNV_802.11g(20M)_2412_6Mbps_ANT1



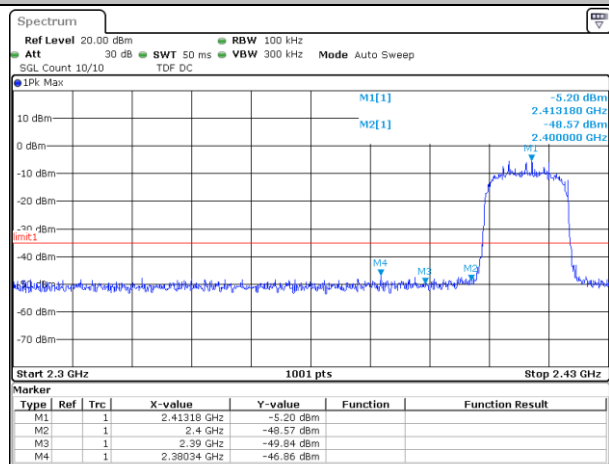
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NTNV_802.11g(20M)_2462_6Mbps_ANT1



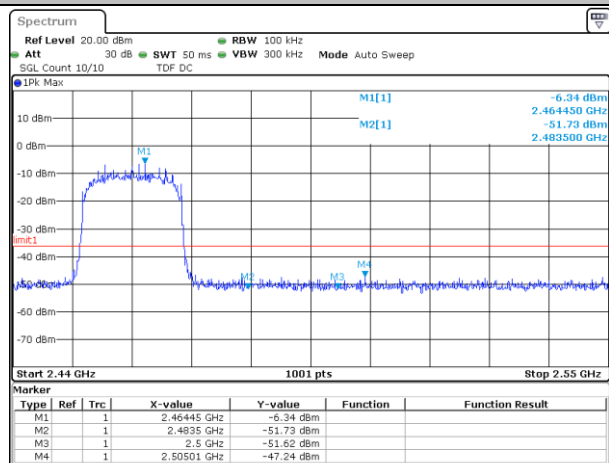
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NTNV_802.11n(20M)_2412_MCS0_ANT1



Date: 28 SEP 2026 15:47:10

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 28 SEP 2026 15:50:25

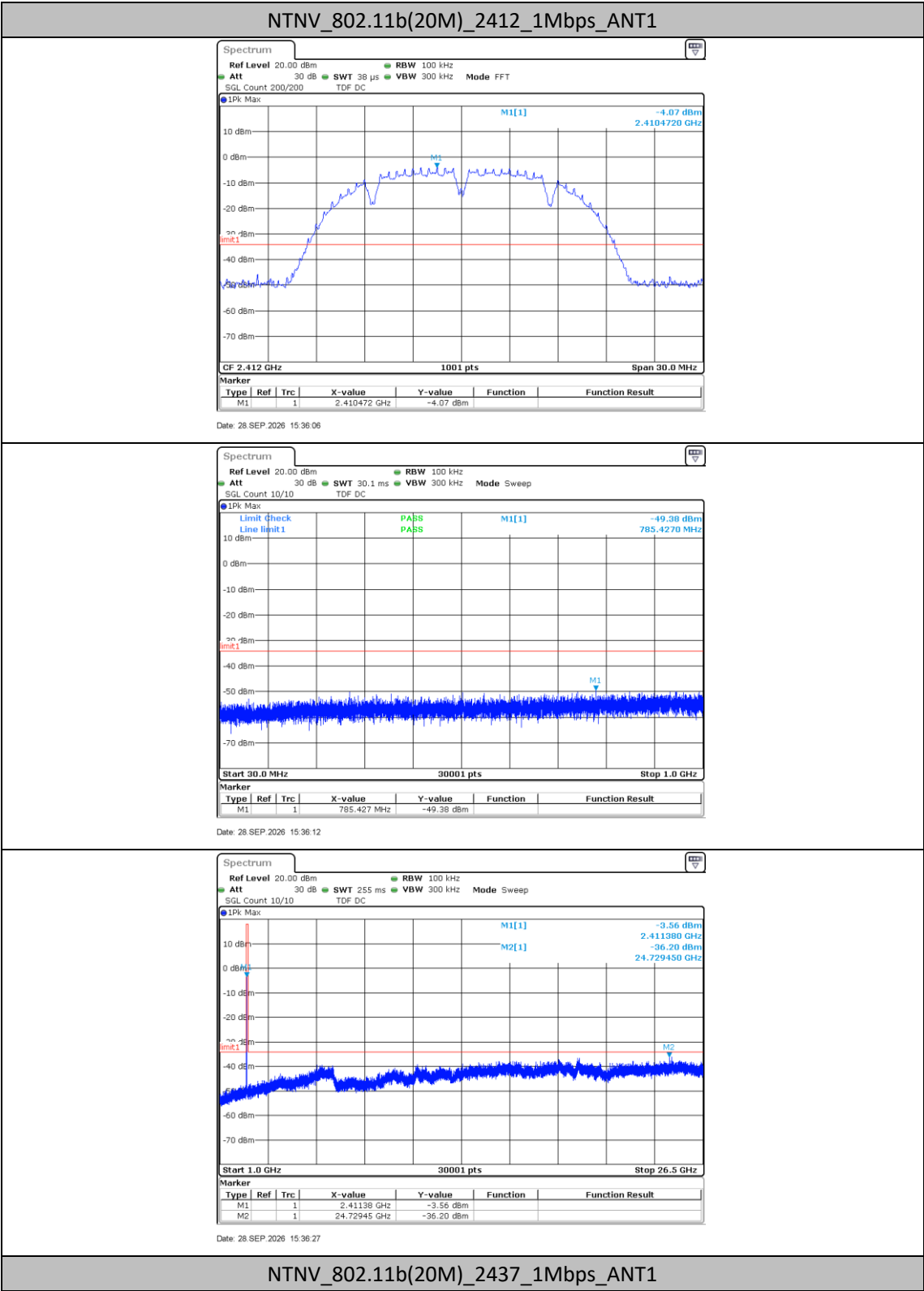
Appendix F: Conducted Spurious Emission

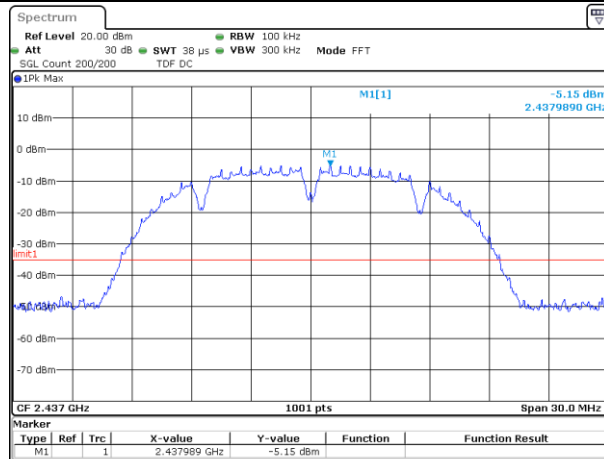
Test Result

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	-4.07	/	PASS
						30~1000	0.1	-49.38	≤-34.07	Pass
						1000~26500	0.1	-36.20	≤-34.07	Pass
2	NTNV	802.11b(20M)	2437	1Mbps	ANT1	Reference	0.1	-5.15	/	PASS
						30~1000	0.1	-49.46	≤-35.15	Pass
						1000~26500	0.1	-36.18	≤-35.15	Pass
3	NTNV	802.11b(20M)	2462	1Mbps	ANT1	Reference	0.1	-5.6	/	PASS
						30~1000	0.1	-49.42	≤-35.60	Pass
						1000~26500	0.1	-35.90	≤-35.60	Pass
4	NTNV	802.11g(20M)	2412	6Mbps	ANT1	Reference	0.1	-6.54	/	PASS
						30~1000	0.1	-49.06	≤-36.54	Pass
						1000~26500	0.1	-36.75	≤-36.54	Pass
5	NTNV	802.11g(20M)	2437	6Mbps	ANT1	Reference	0.1	-5.97	/	PASS
						30~1000	0.1	-49.24	≤-35.97	Pass
						1000~26500	0.1	-36.73	≤-35.97	Pass
6	NTNV	802.11g(20M)	2462	6Mbps	ANT1	Reference	0.1	-5.26	/	PASS
						30~1000	0.1	-49.10	≤-35.26	Pass
						1000~26500	0.1	-36.75	≤-35.26	Pass
7	NTNV	802.11n(20M)	2412	MCS0	ANT1	Reference	0.1	-5.01	/	PASS
						30~1000	0.1	-48.81	≤-35.01	Pass
						1000~26500	0.1	-36.47	≤-35.01	Pass
8	NTNV	802.11n(20M)	2437	MCS0	ANT1	Reference	0.1	-6.17	/	PASS
						30~1000	0.1	-49.68	≤-36.17	Pass
						1000~26500	0.1	-36.19	≤-36.17	Pass
9	NTNV	802.11n(20M)	2462	MCS0	ANT1	Reference	0.1	-6.66	/	PASS

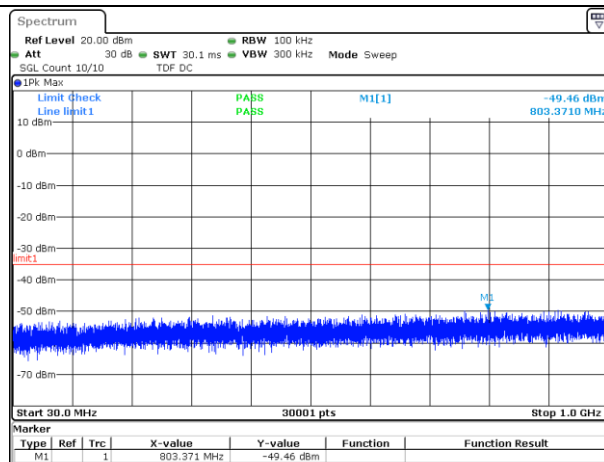
						30~1000	0.1	-48.27	≤ -36.66	Pass
						1000~26500	0.1	-36.85	≤ -36.66	Pass

Test Graphs

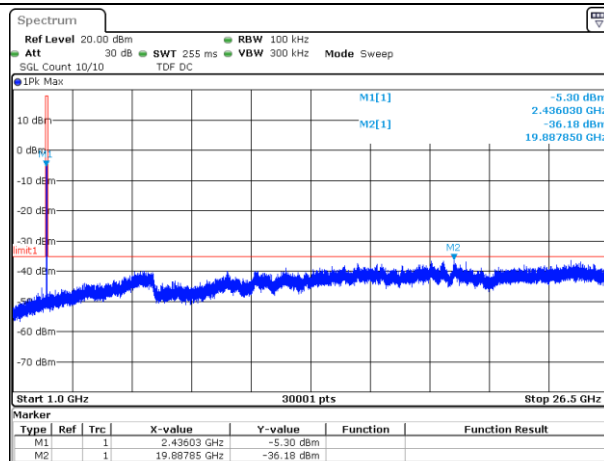




Date: 28 SEP 2026 15:37:47

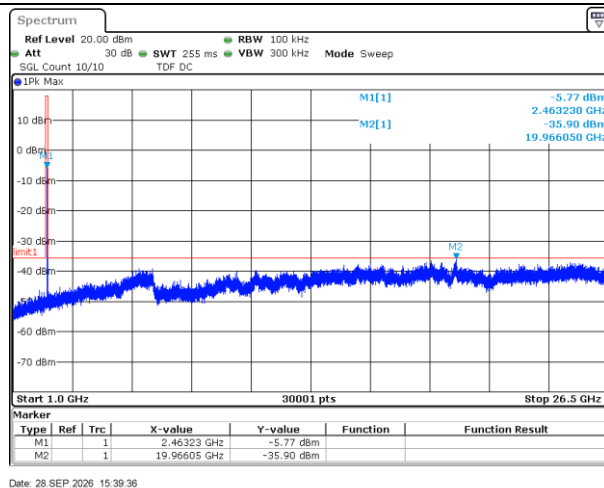
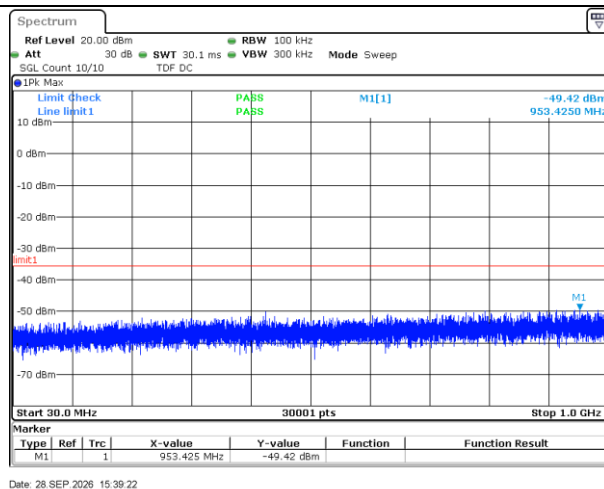
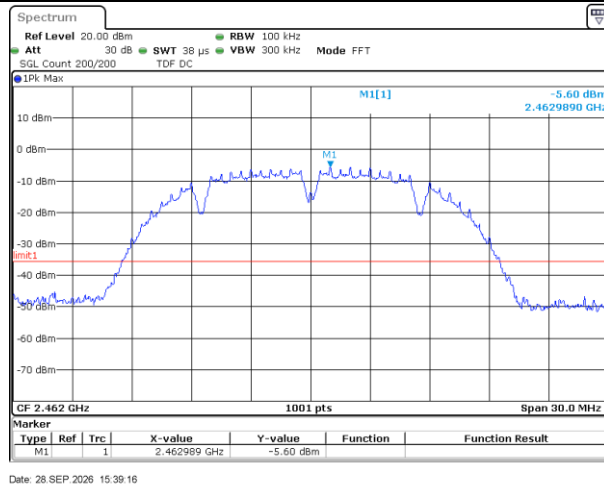


Date: 28 SEP 2026 15:37:54

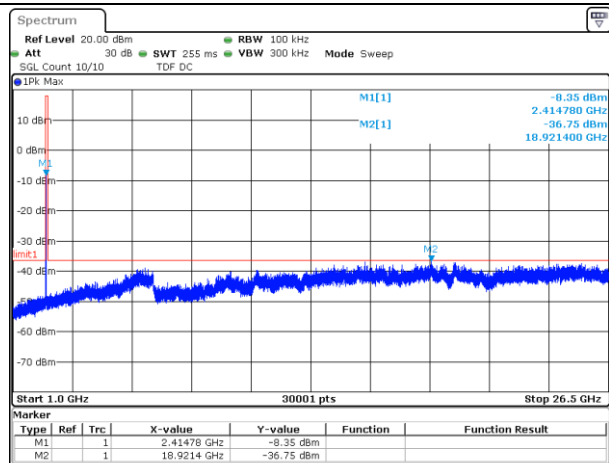
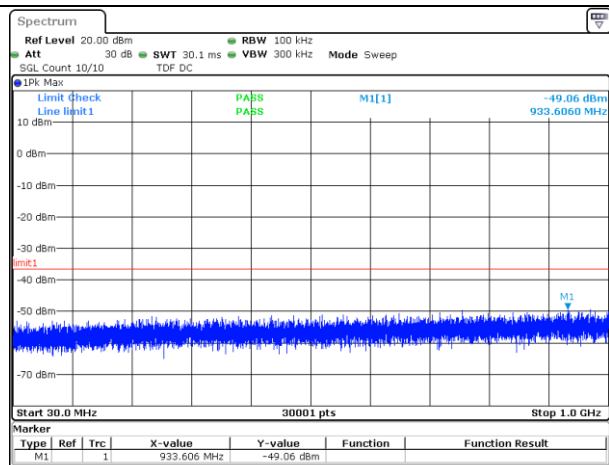
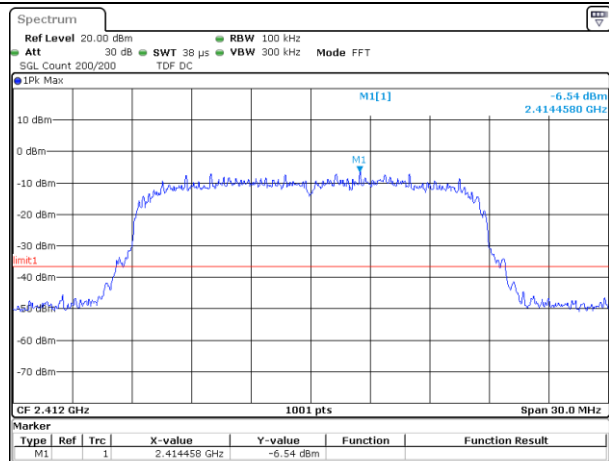


Date: 28 SEP 2026 15:38:08

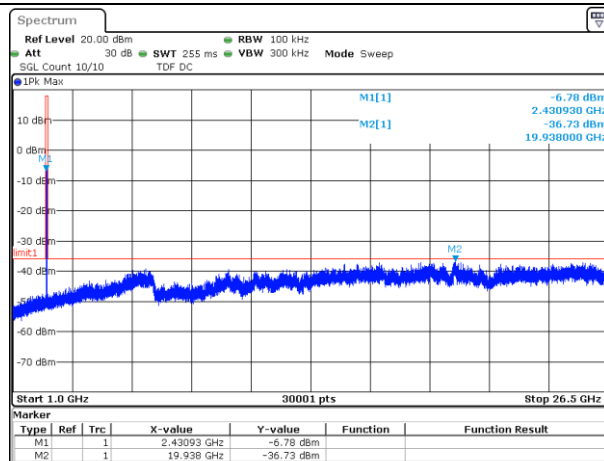
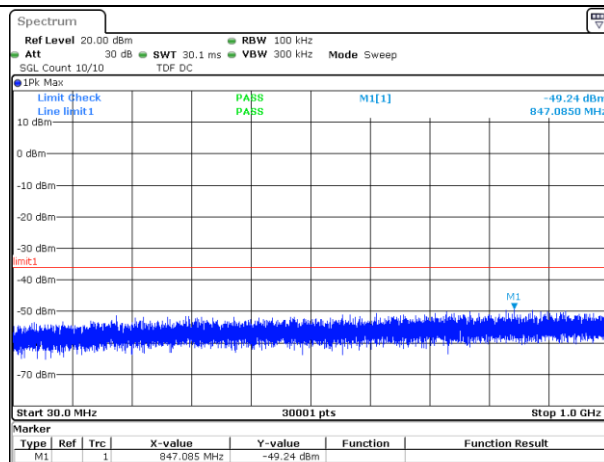
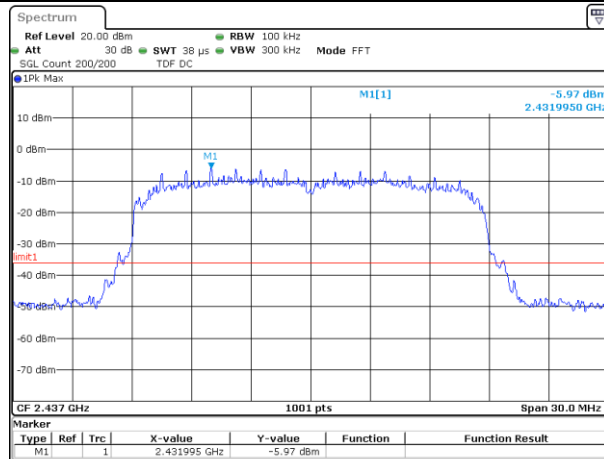
NTNV_802.11b(20M)_2462_1Mbps_ANT1



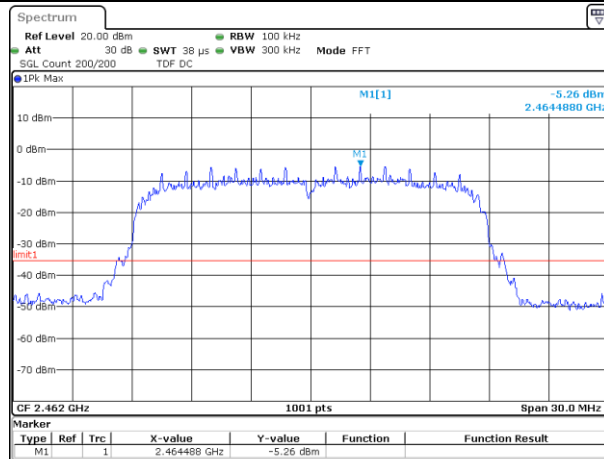
NTNV_802.11g(20M)_2412_6Mbps_ANT1



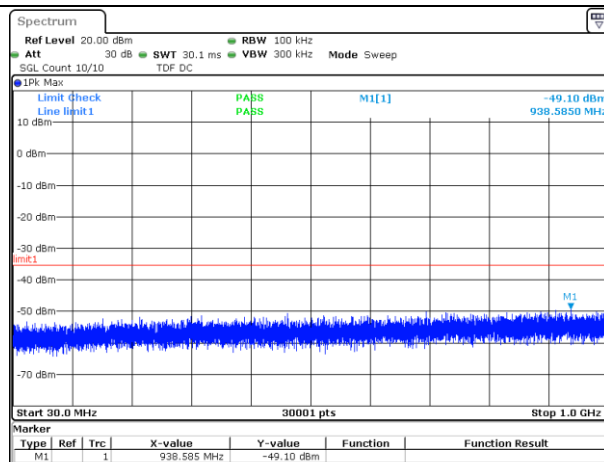
NTNV_802.11g(20M)_2437_6Mbps_ANT1



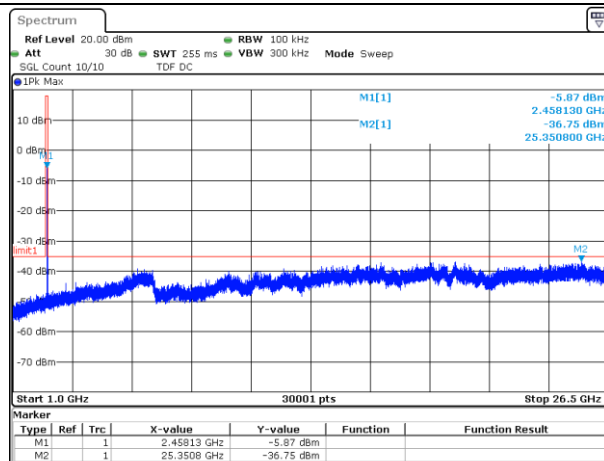
NTNV_802.11g(20M)_2462_6Mbps_ANT1



Date: 28 SEP 2026 15:58:47

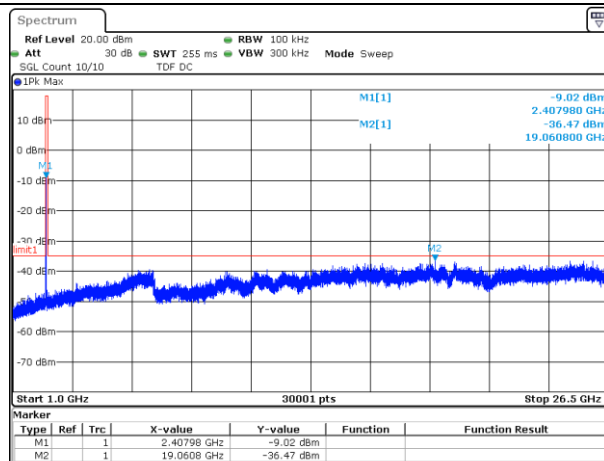
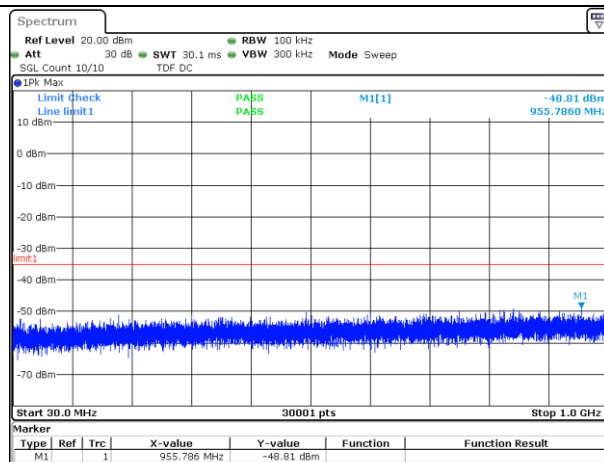
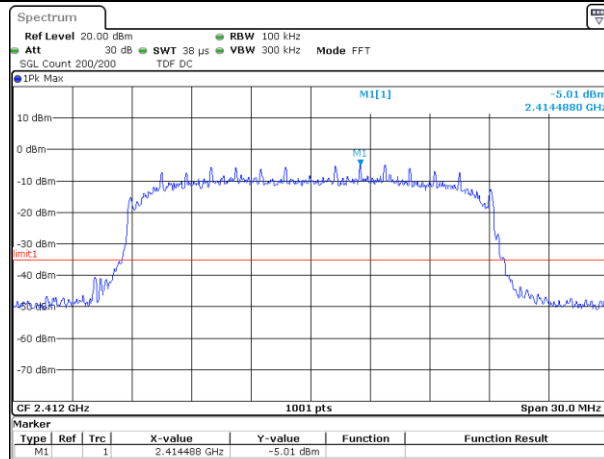


Date: 28 SEP 2026 15:58:53

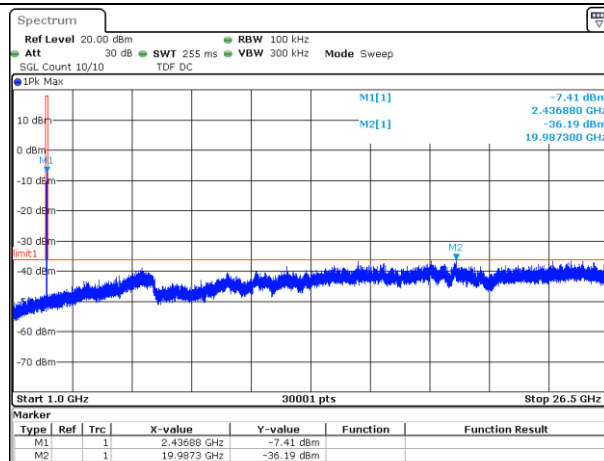
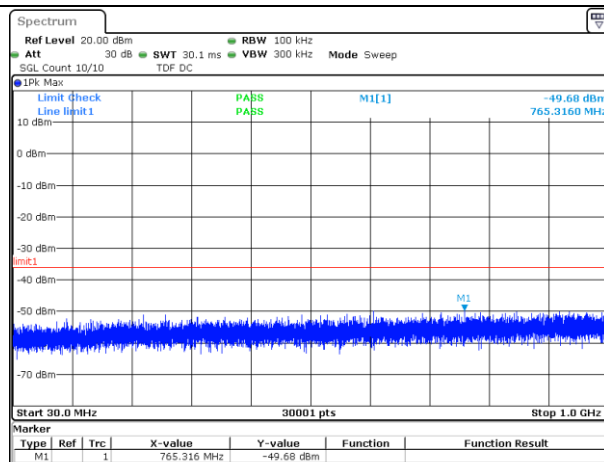
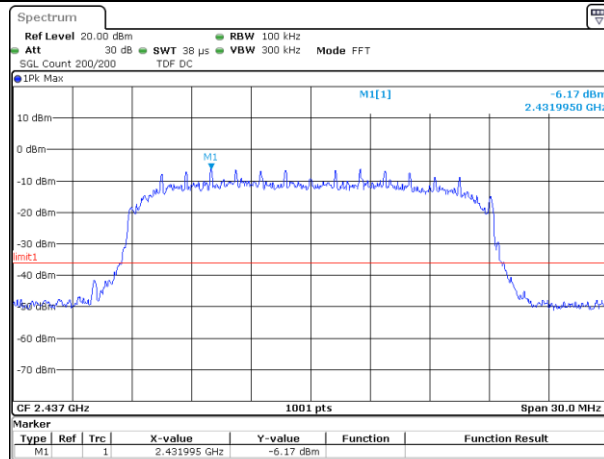


Date: 28 SEP 2026 15:59:07

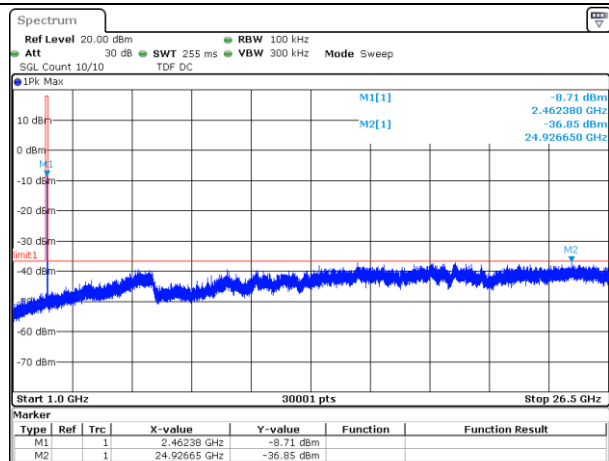
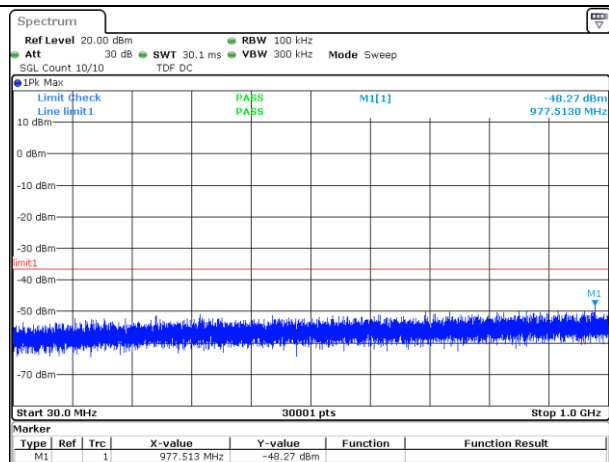
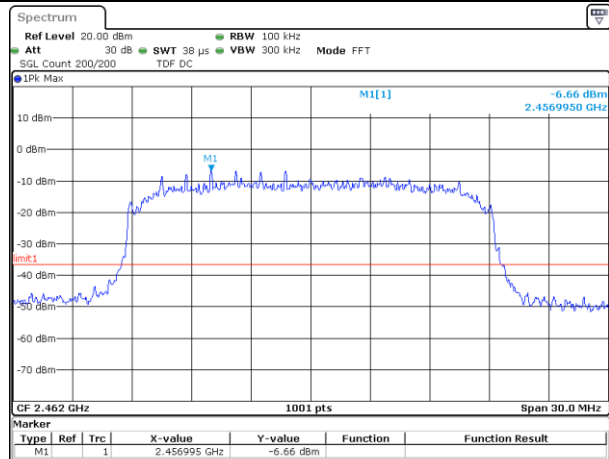
NTNV_802.11n(20M)_2412_MCS0_ANT1



NTNV_802.11n(20M)_2437_MCS0_ANT1



NTNV_802.11n(20M)_2462_MCS0_ANT1



Appendix G: Emissions in Restricted Bands

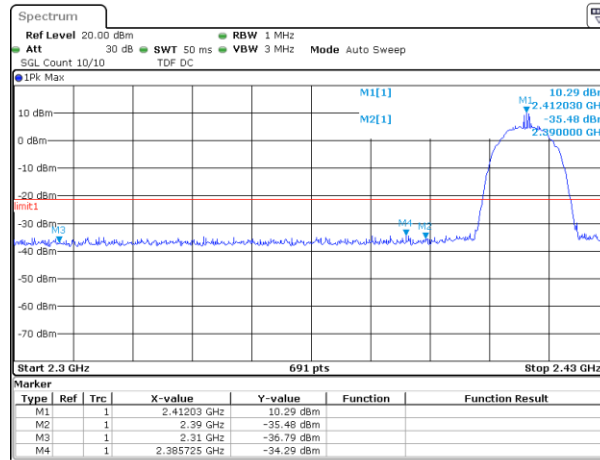
Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Gain (dBi)	Antenna	Detector	Freq (MHz)	Result (dBm)	Limit (dBm)	Result (dBuV/m)	Limit (dBuV/m)	Verdict
1	NTNV	802.11b(20 M)	2412	1Mbps	2	ANT1	Peak	2390.00	-35.48	-21.20	59.72	74.00	Pass
							Peak	2310.00	-36.79	-21.20	58.41	74.00	Pass
							Peak	2385.72	-34.29	-21.20	60.91	74.00	Pass
2	NTNV	802.11b(20 M)	2412	1Mbps	2	ANT1	AV	2390.00	-48.49	-41.20	46.71	54.00	Pass
							AV	2310.00	-48.87	-41.20	46.33	54.00	Pass
							AV	2339.75	-46.64	-41.20	48.56	54.00	Pass
3	NTNV	802.11b(20 M)	2462	1Mbps	2	ANT1	Peak	2483.50	-36.27	-21.20	58.93	74.00	Pass
							Peak	2500.00	-36.19	-21.20	59.01	74.00	Pass
							Peak	2497.39	-33.35	-21.20	61.85	74.00	Pass
4	NTNV	802.11b(20 M)	2462	1Mbps	2	ANT1	AV	2483.50	-48.21	-41.20	46.99	54.00	Pass
							AV	2500.00	-48.44	-41.20	46.76	54.00	Pass
							AV	2509.51	-46.23	-41.20	48.97	54.00	Pass
5	NTNV	802.11g(20 M)	2412	6Mbps	2	ANT1	Peak	2390.00	-36.04	-21.20	59.16	74.00	Pass
							Peak	2310.00	-37.62	-21.20	57.58	74.00	Pass
							Peak	2389.30	-34.74	-21.20	60.46	74.00	Pass
6	NTNV	802.11g(20 M)	2412	6Mbps	2	ANT1	AV	2390.00	-48.30	-41.20	46.90	54.00	Pass
							AV	2310.00	-48.92	-41.20	46.28	54.00	Pass
							AV	2340.51	-46.64	-41.20	48.56	54.00	Pass
7	NTNV	802.11g(20 M)	2462	6Mbps	2	ANT1	Peak	2483.50	-36.60	-21.20	58.60	74.00	Pass
							Peak	2500.00	-37.27	-21.20	57.93	74.00	Pass
							Peak	2485.12	-34.67	-21.20	60.53	74.00	Pass
8	NTNV	802.11g(20 M)	2462	6Mbps	2	ANT1	AV	2483.50	-48.17	-41.20	47.03	54.00	Pass
							AV	2500.00	-48.41	-41.20	46.79	54.00	Pass
							AV	2510.46	-46.22	-41.20	48.98	54.00	Pass
9	NTNV	802.11n(20 M)	2412	MCS0	2	ANT1	Peak	2390.00	-36.41	-21.20	58.79	74.00	Pass
							Peak	2310.00	-37.36	-21.20	57.84	74.00	Pass

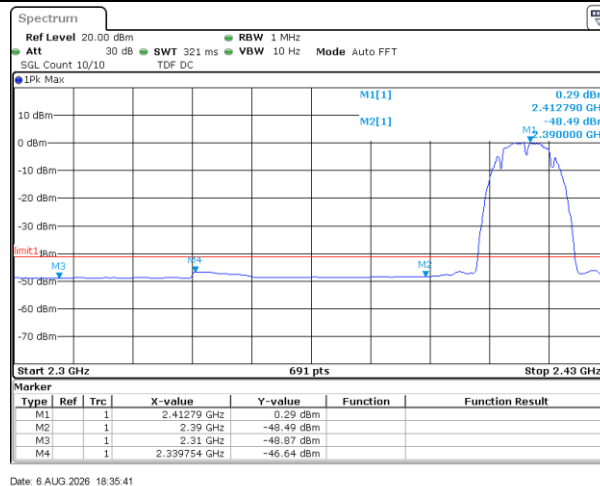
							Peak	2383.46	-34.66	-21.20	60.54	74.00	Pass
10	NTNV	802.11n(20 M)	2412	MCS0	2	ANT1	AV	2390.00	-48.27	-41.20	46.93	54.00	Pass
							AV	2310.00	-48.91	-41.20	46.29	54.00	Pass
							AV	2340.13	-46.62	-41.20	48.58	54.00	Pass
11	NTNV	802.11n(20 M)	2462	MCS0	2	ANT1	Peak	2483.50	-35.48	-21.20	59.72	74.00	Pass
							Peak	2500.00	-35.72	-21.20	59.48	74.00	Pass
							Peak	2488.78	-34.74	-21.20	60.46	74.00	Pass
12	NTNV	802.11n(20 M)	2462	MCS0	2	ANT1	AV	2483.50	-48.16	-41.20	47.04	54.00	Pass
							AV	2500.00	-48.41	-41.20	46.79	54.00	Pass
							AV	2509.51	-46.21	-41.20	48.99	54.00	Pass

Test Graphs

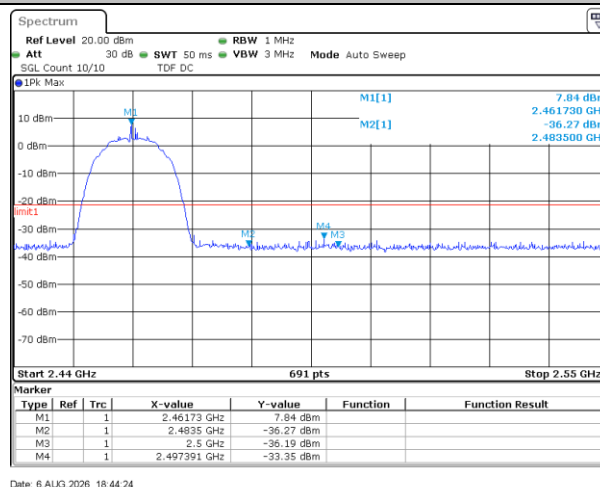
NTNV_802.11b(20M)_2412_1Mbps_ANT1_Peak



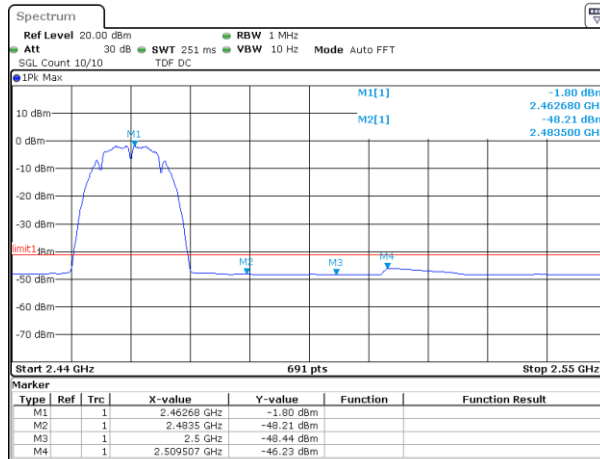
NTNV_802.11b(20M)_2412_1Mbps_ANT1_AV



NTNV_802.11b(20M)_2462_1Mbps_ANT1_Peak

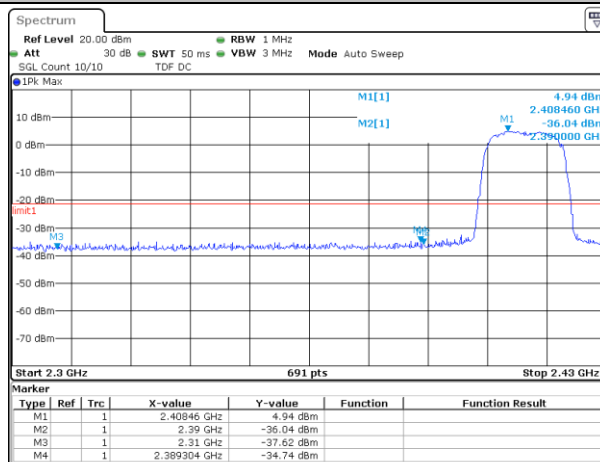


NTNV_802.11b(20M)_2462_1Mbps_ANT1_AV



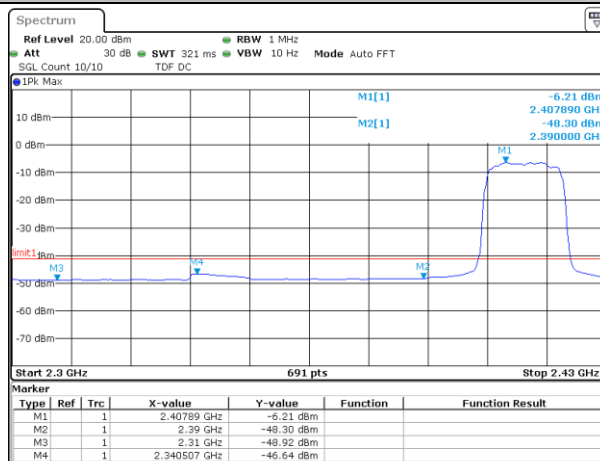
Date: 6 AUG 2026 18:44:39

NTNV_802.11g(20M)_2412_6Mbps_ANT1_Peak



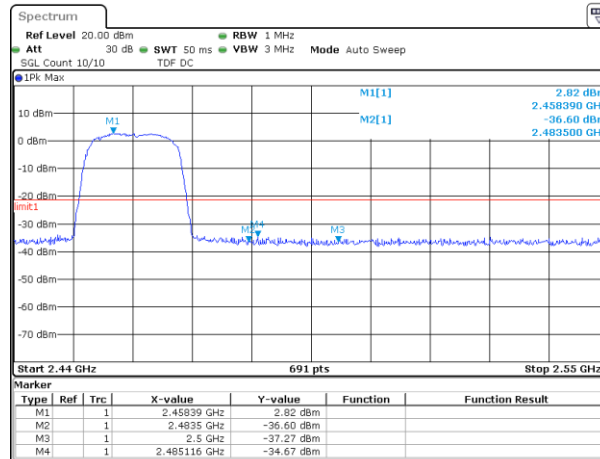
Date: 6 AUG 2026 18:47:38

NTNV_802.11g(20M)_2412_6Mbps_ANT1_AV



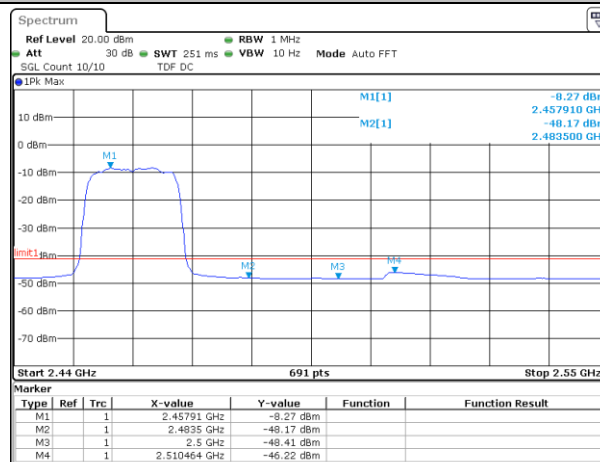
Date: 6 AUG 2026 18:47:53

NTNV_802.11g(20M)_2462_6Mbps_ANT1_Peak



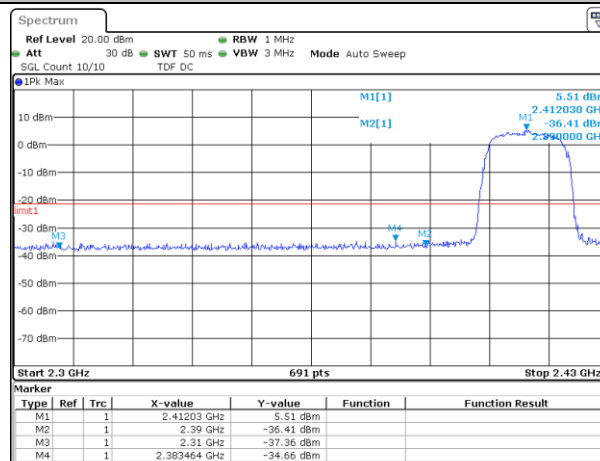
Date: 6 AUG 2026 19:48:10

NTNV_802.11g(20M)_2462_6Mbps_ANT1_AV



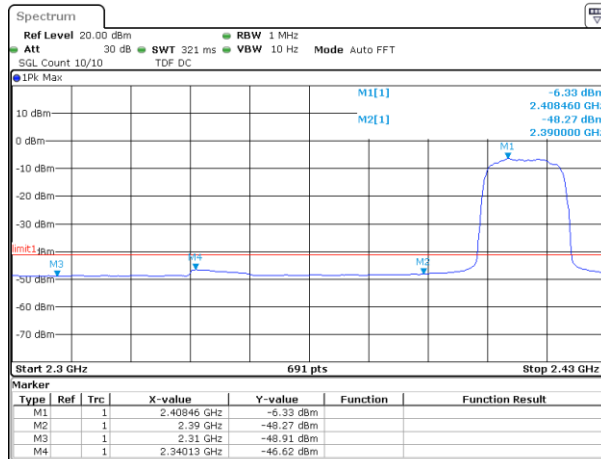
Date: 6 AUG 2026 19:48:25

NTNV_802.11n(20M)_2412_MCS0_ANT1_Peak



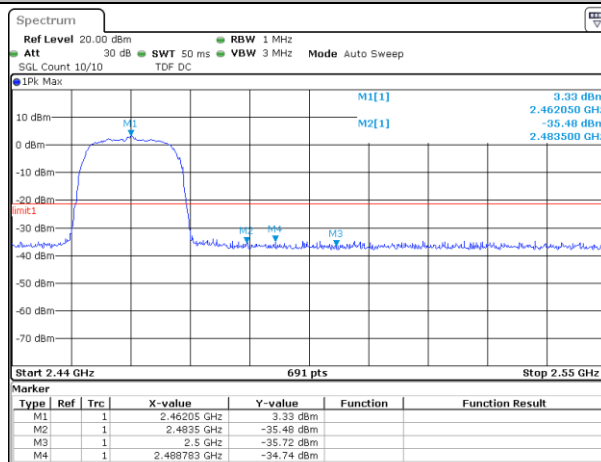
Date: 6 AUG 2026 19:50:58

NTNV_802.11n(20M)_2412_MCS0_ANT1_AV



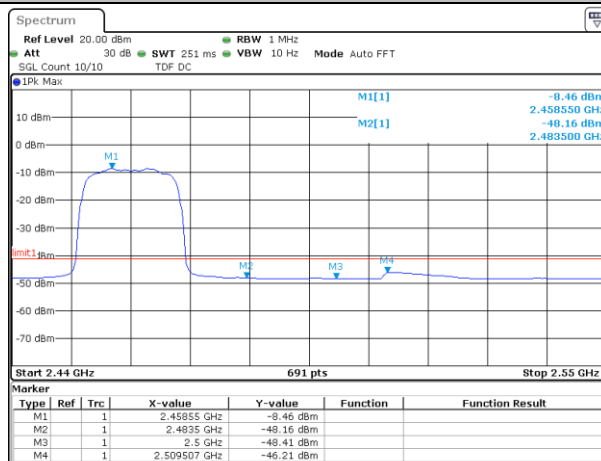
Date: 6 AUG 2026 19:51:13

NTNV_802.11n(20M)_2462_MCS0_ANT1_Peak



Date: 6 AUG 2026 19:59:14

NTNV_802.11n(20M)_2462_MCS0_ANT1_AV



Date: 6 AUG 2026 19:59:29

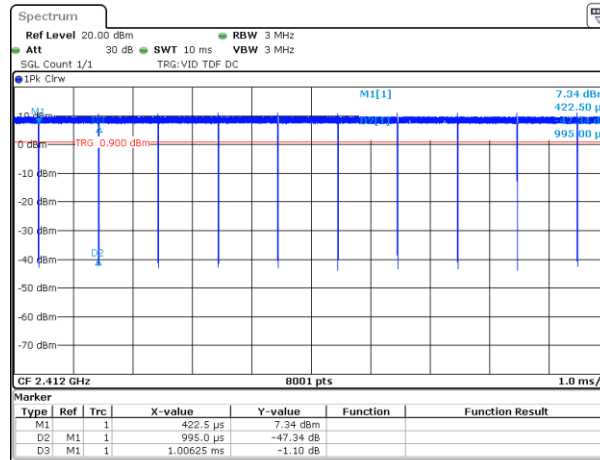
Appendix G: Duty Cycle

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	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

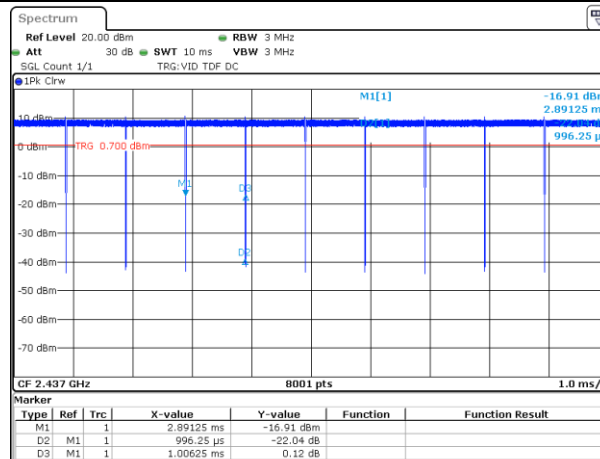
Test Graphs

NTNV_802.11b(20M)_2412_1Mbps_ANT1



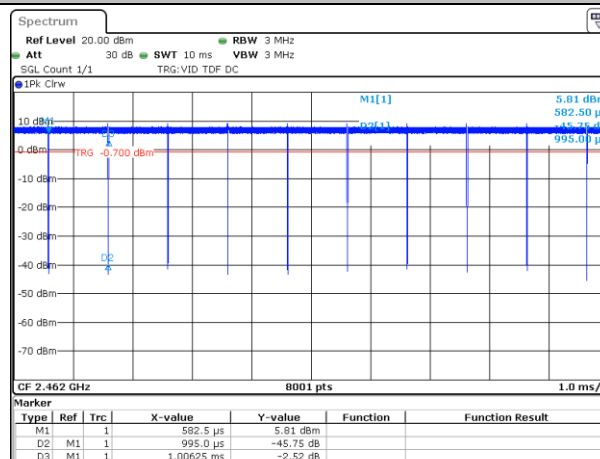
Date: 8 AUG 2026 22:50:36

NTNV_802.11b(20M)_2437_1Mbps_ANT1



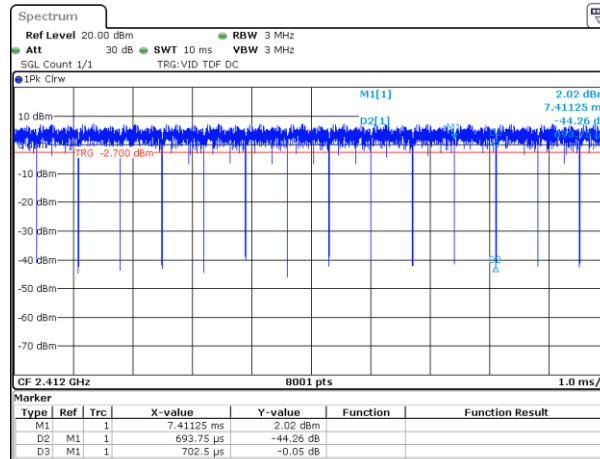
Date: 8 AUG 2026 22:50:54

NTNV_802.11b(20M)_2462_1Mbps_ANT1



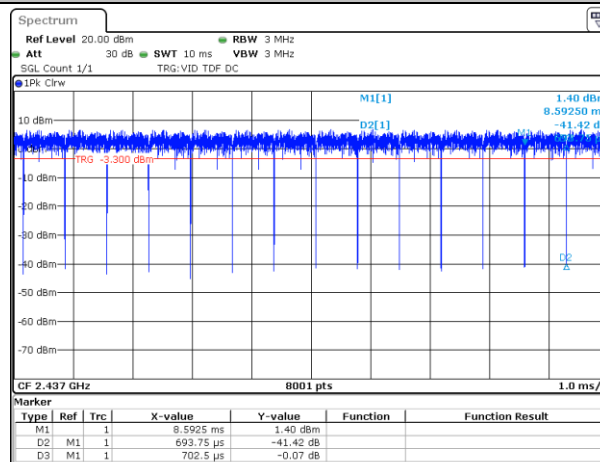
Date: 8 AUG 2026 22:51:47

NTNV_802.11g(20M)_2412_6Mbps_ANT1



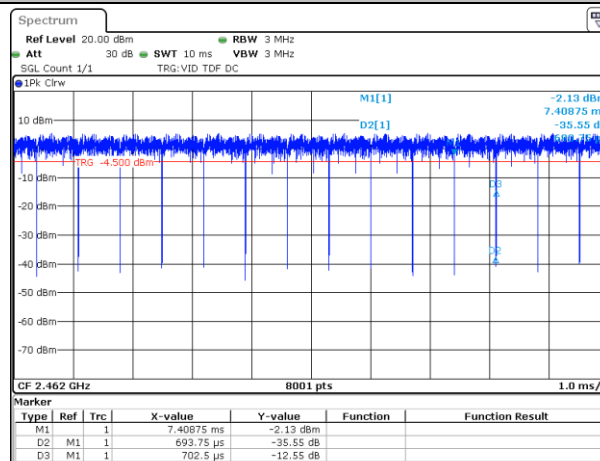
Date: 8 AUG 2026 22:52:17

NTNV_802.11g(20M)_2437_6Mbps_ANT1



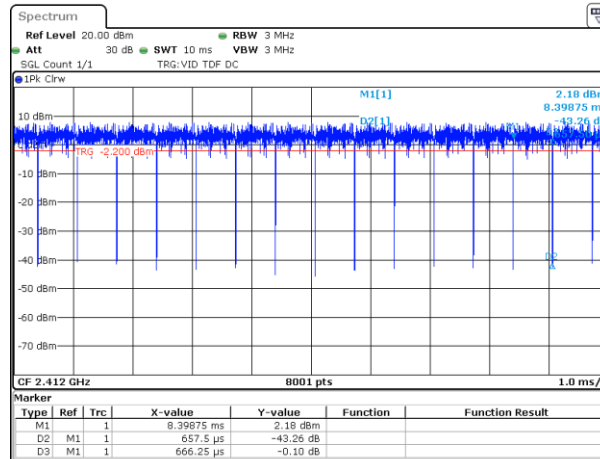
Date: 8 AUG 2026 22:53:54

NTNV_802.11g(20M)_2462_6Mbps_ANT1



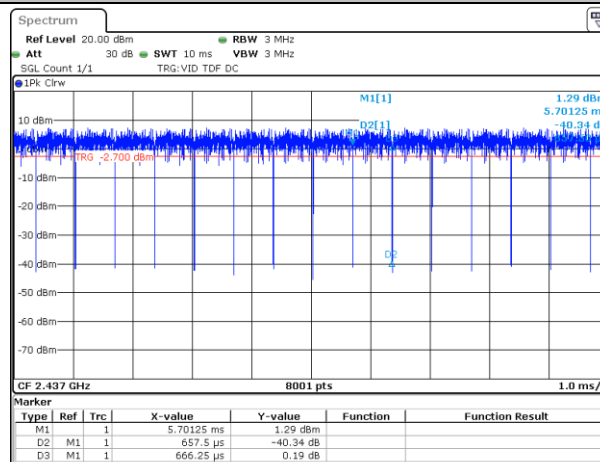
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NTNV_802.11n(20M)_2412_MCS0_ANT1



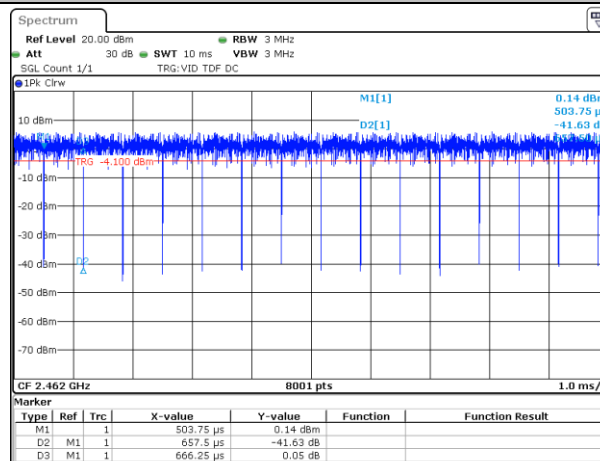
Date: 8 AUG 2026 22:54:43

NTNV_802.11n(20M)_2437_MCS0_ANT1



Date: 8 AUG 2026 22:55:09

NTNV_802.11n(20M)_2462_MCS0_ANT1



Date: 8 AUG 2026 22:55:27