



CQASZ20260701615E-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	Emissions in Restricted Bands	Pass
8	Duty Cycle	Pass

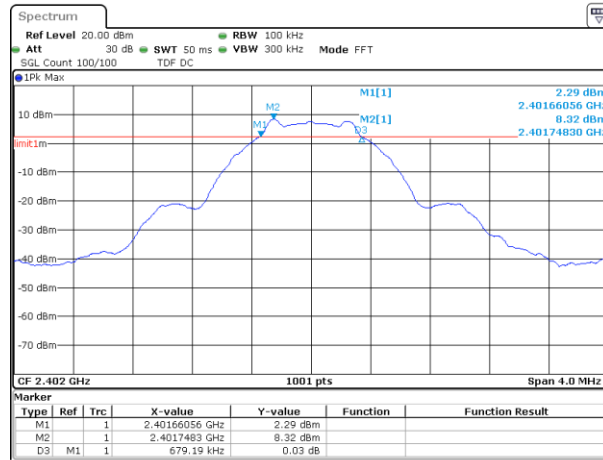
Appendix A: DTS Bandwidth

Test Result

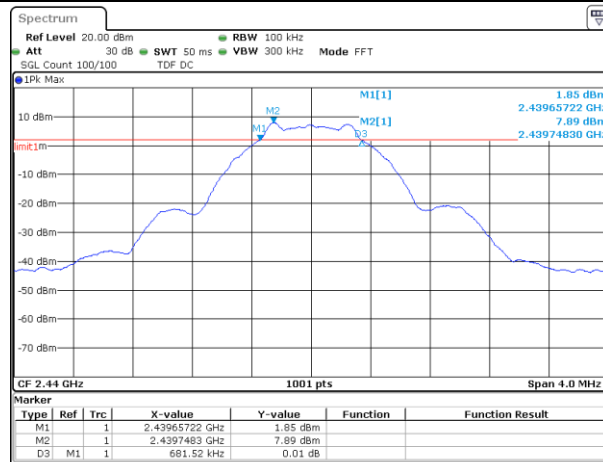
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	6dB Occupy Bandwidth (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	0.68	2401.66	2402.34	≥ 0.5	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	0.68	2439.66	2440.34	≥ 0.5	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	0.68	2479.66	2480.33	≥ 0.5	Pass
4	NTNV	BLE	2402	2Mbps	ANT1	1.14	2401.42	2402.56	≥ 0.5	Pass
5	NTNV	BLE	2440	2Mbps	ANT1	1.14	2439.42	2440.56	≥ 0.5	Pass
6	NTNV	BLE	2480	2Mbps	ANT1	1.15	2479.42	2480.56	≥ 0.5	Pass

Test Graphs

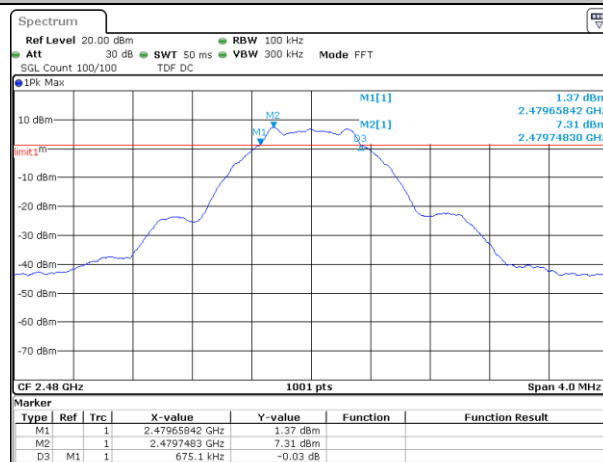
NTNV_BLE_2402_1Mbps



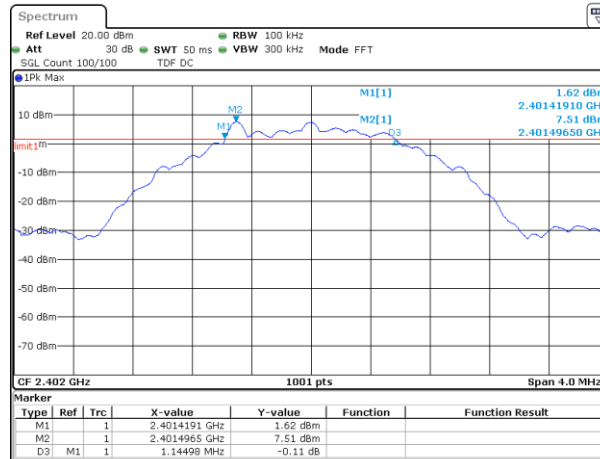
NTNV_BLE_2440_1Mbps



NTNV_BLE_2480_1Mbps

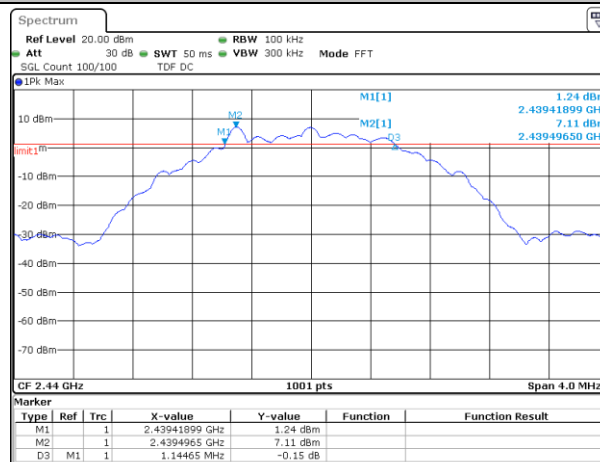


NTNV_BLE_2402_2Mbps



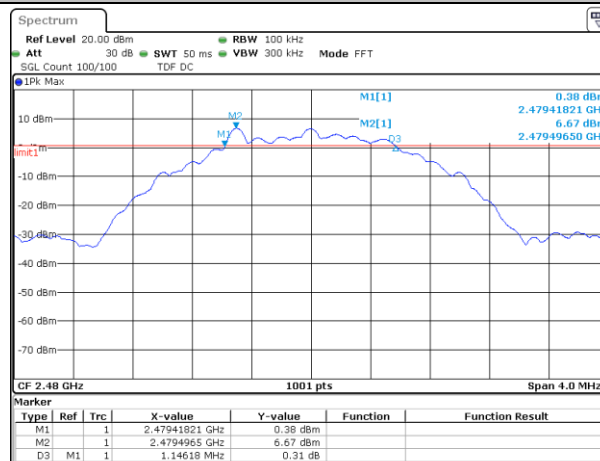
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NTN_BLE_2440_2Mbps



Date: 6 AUG 2026 20:16:20

NTN_BLE_2480_2Mbps



Date: 6 AUG 2026 20:18:37

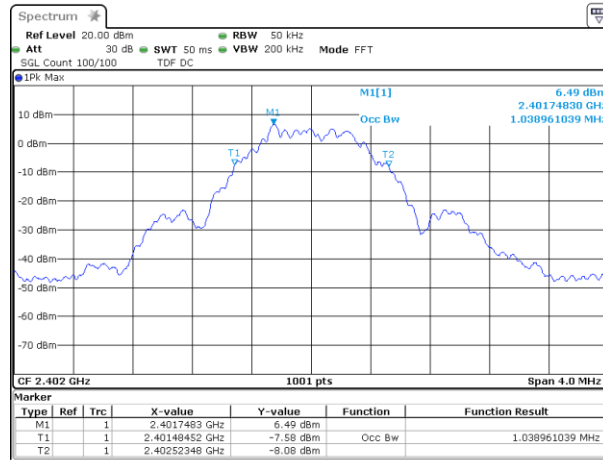
Appendix B: Occupied Channel Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	1.04	-	2401.48	2402.52	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.06	-	2439.47	2440.53	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.02	-	2479.49	2480.52	Pass
4	NTNV	BLE	2402	2Mbps	ANT1	1.96	-	2401.02	2402.98	Pass
5	NTNV	BLE	2440	2Mbps	ANT1	1.93	-	2439.04	2440.97	Pass
6	NTNV	BLE	2480	2Mbps	ANT1	1.94	-	2479.03	2480.98	Pass

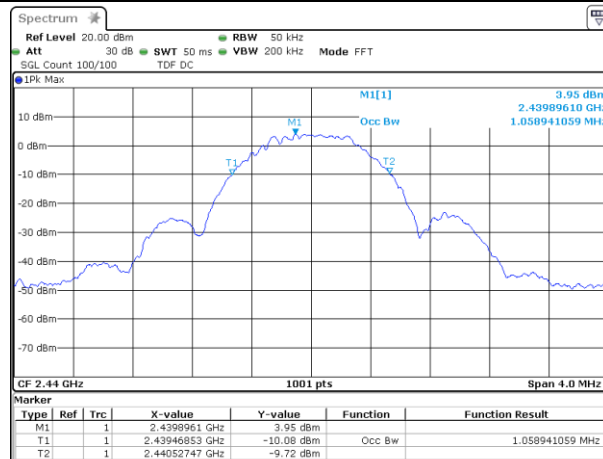
Test Graphs

NTNV_BLE_2402_1Mbps



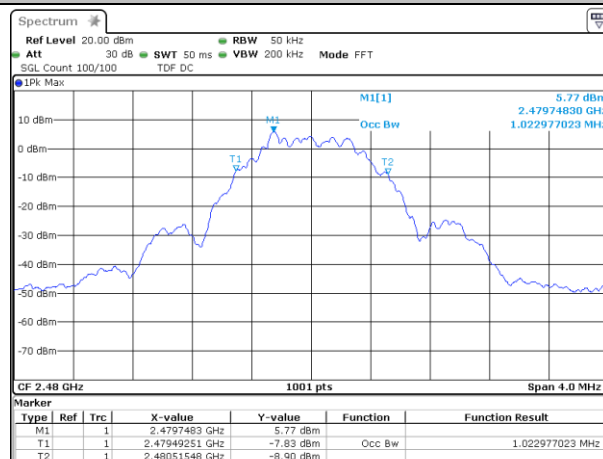
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NTNV_BLE_2440_1Mbps



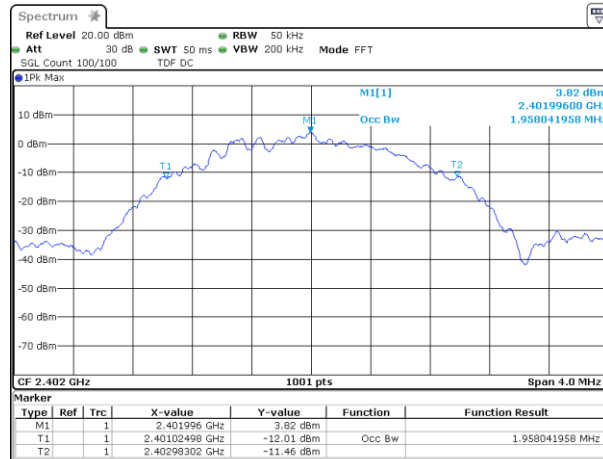
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NTNV_BLE_2480_1Mbps



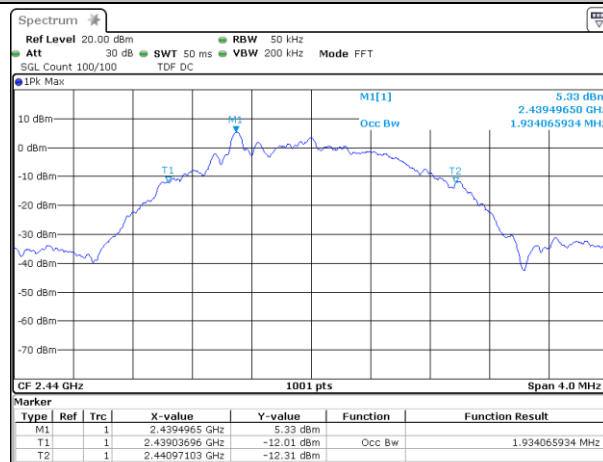
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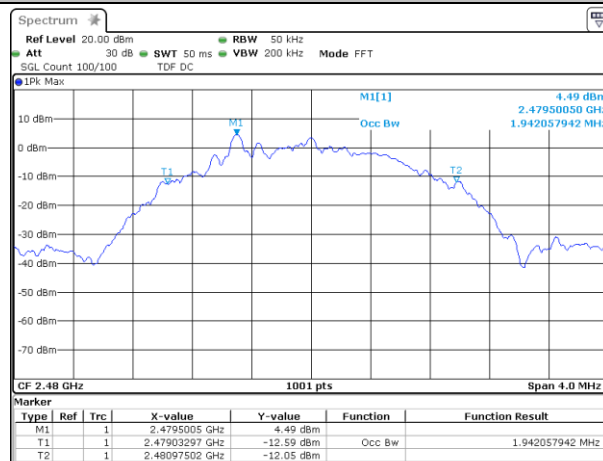
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NTNV_BLE_2440_2Mbps



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NTNV_BLE_2480_2Mbps



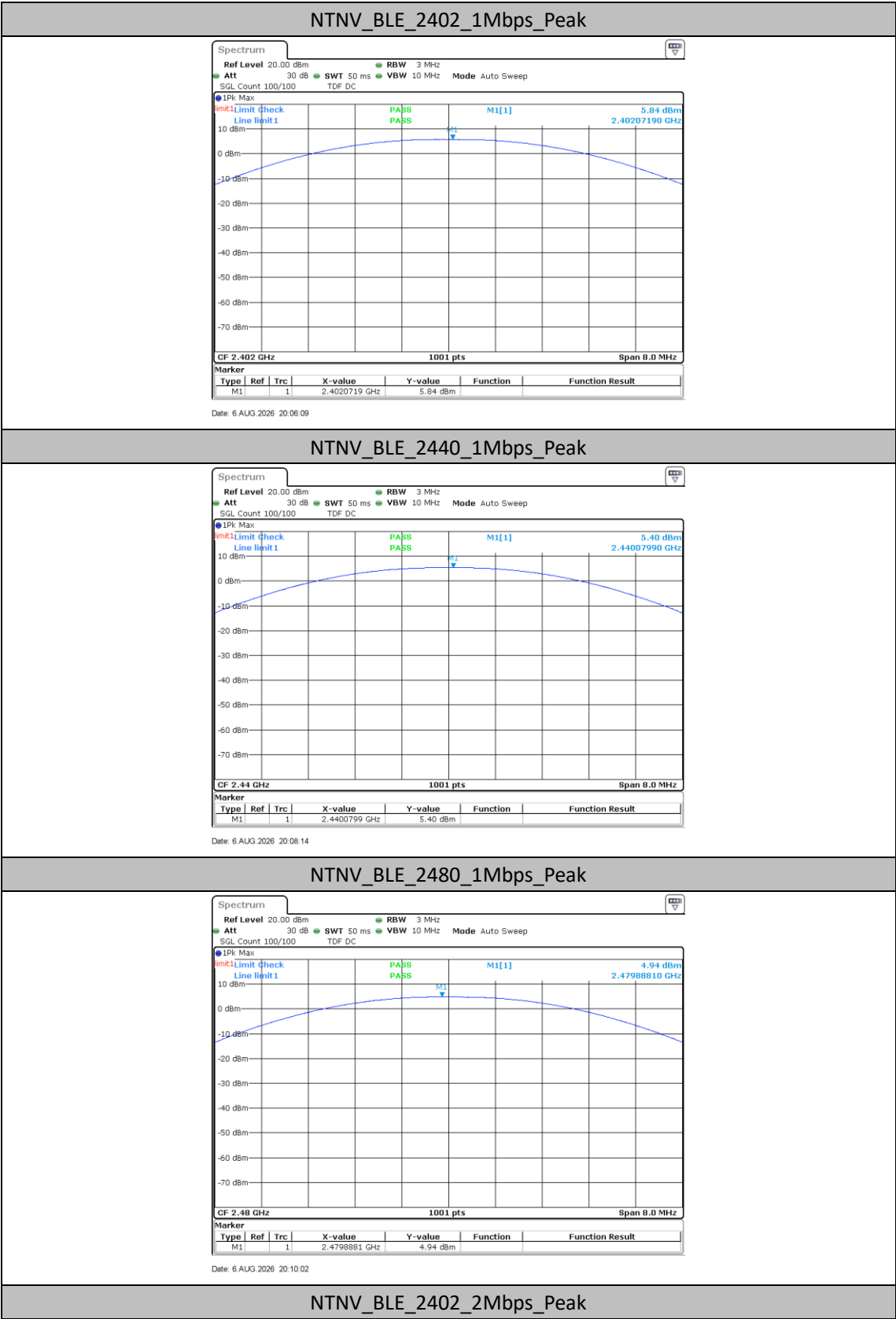
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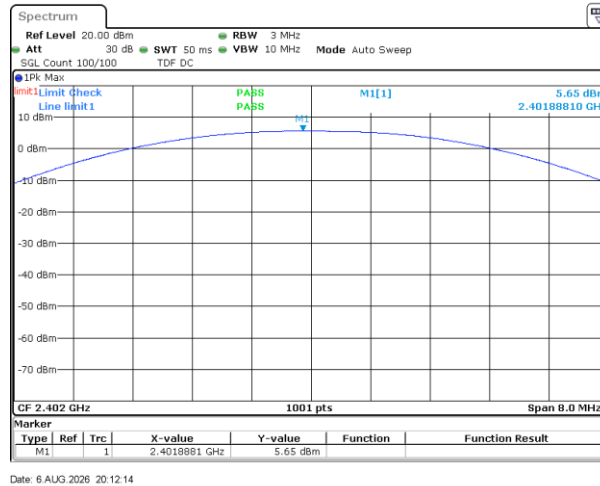
Appendix C: Maximum conducted output power

Test Result

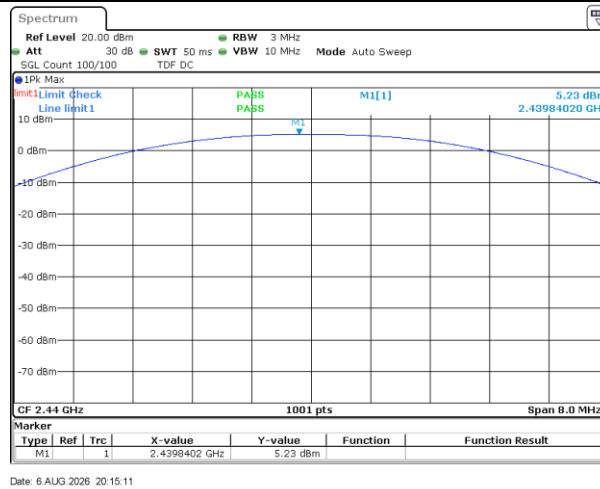
NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	BLE	2402	Peak	ANT1	5.84	≤ 30	Pass
2	NTNV	BLE	2440	Peak	ANT1	5.40	≤ 30	Pass
3	NTNV	BLE	2480	Peak	ANT1	4.94	≤ 30	Pass
4	NTNV	BLE	2402	Peak	ANT1	5.65	≤ 30	Pass
5	NTNV	BLE	2440	Peak	ANT1	5.23	≤ 30	Pass
6	NTNV	BLE	2480	Peak	ANT1	4.79	≤ 30	Pass

Test Graphs

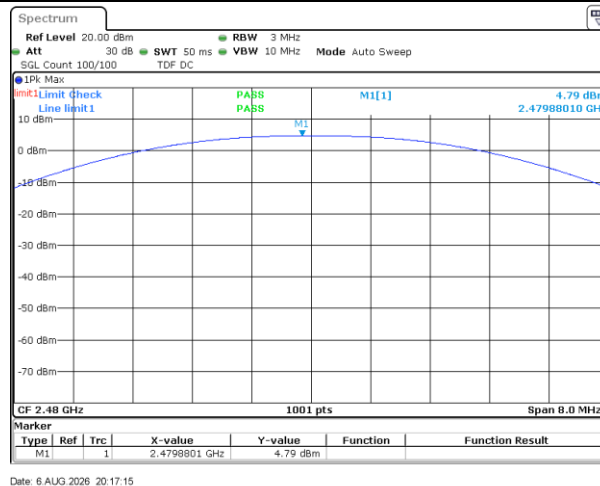




NTNV_BLE_2440_2Mbps_Peak



NTNV_BLE_2480_2Mbps_Peak

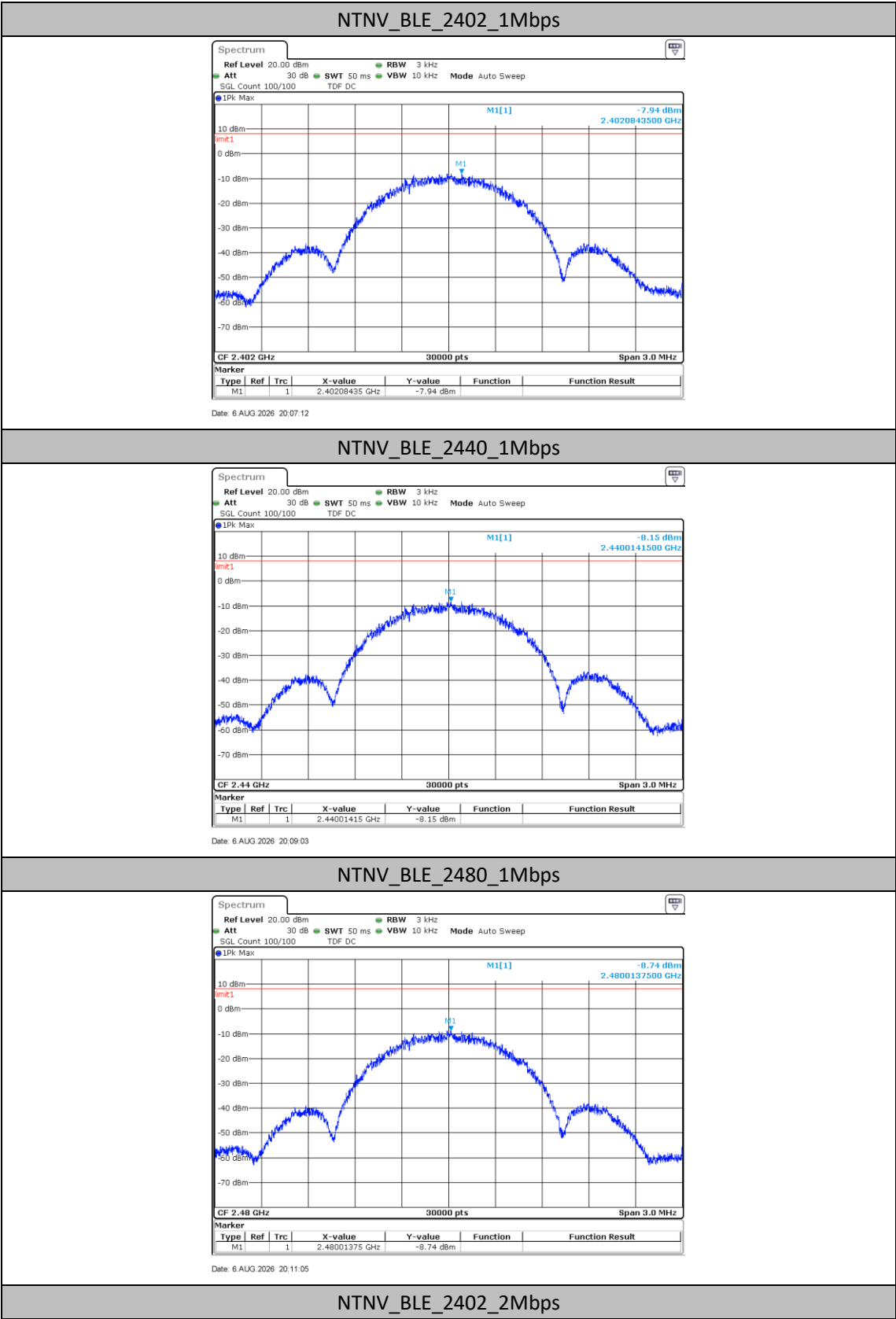


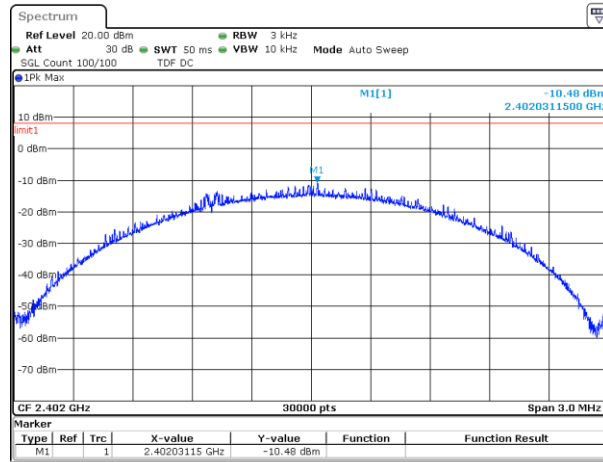
Appendix D: Maximum power spectral density

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	-7.94	≤ 8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-8.15	≤ 8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-8.74	≤ 8	Pass
4	NTNV	BLE	2402	2Mbps	ANT1	-10.48	≤ 8	Pass
5	NTNV	BLE	2440	2Mbps	ANT1	-10.97	≤ 8	Pass
6	NTNV	BLE	2480	2Mbps	ANT1	-11.24	≤ 8	Pass

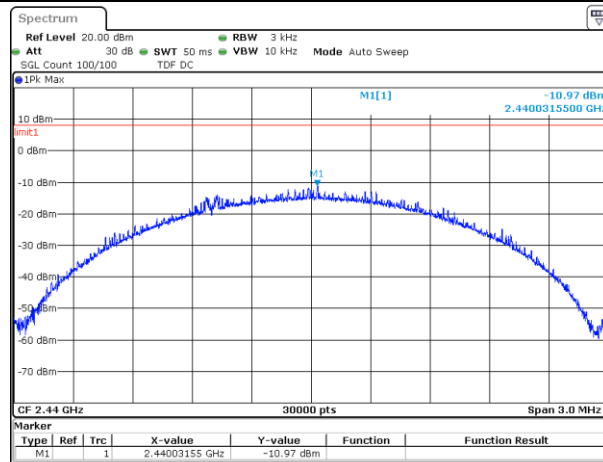
Test Graphs





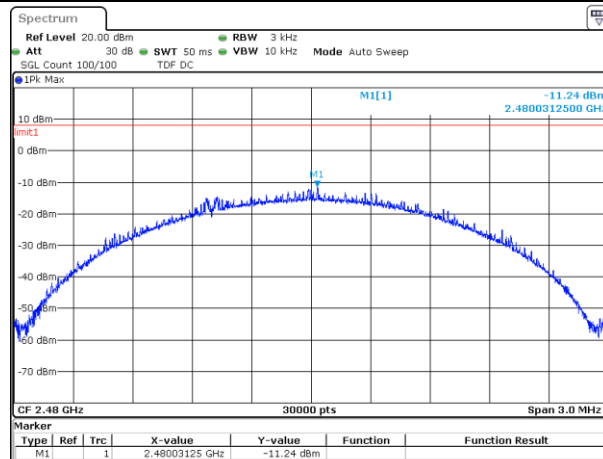
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NTNV_BLE_2440_2Mbps



Date: 6 AUG 2026 20:16:01

NTNV_BLE_2480_2Mbps



Date: 6 AUG 2026 20:18:18

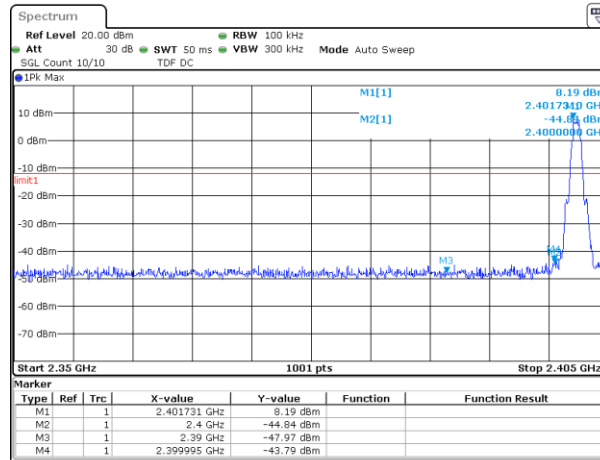
Appendix E: Band edge measurements

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Reference (dBm)	Emission Level (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	8.19	-43.78	≤ -11.81	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	7.05	-45.27	≤ -12.95	Pass
3	NTNV	BLE	2402	2Mbps	ANT1	5.74	-34.06	≤ -14.26	Pass
4	NTNV	BLE	2480	2Mbps	ANT1	6.26	-42.95	≤ -13.74	Pass

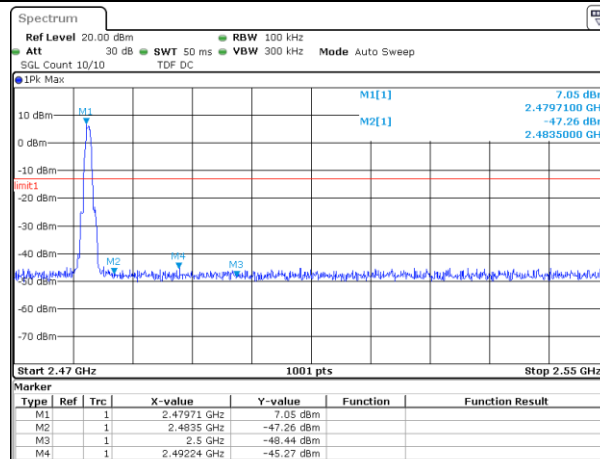
Test Graphs

NTNV_BLE_2402_1Mbps



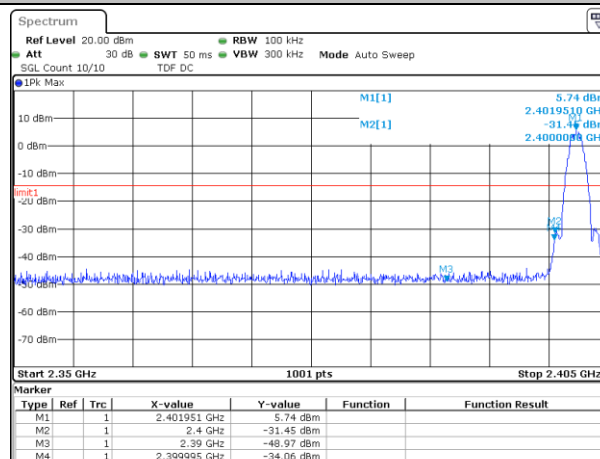
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NTNV_BLE_2480_1Mbps



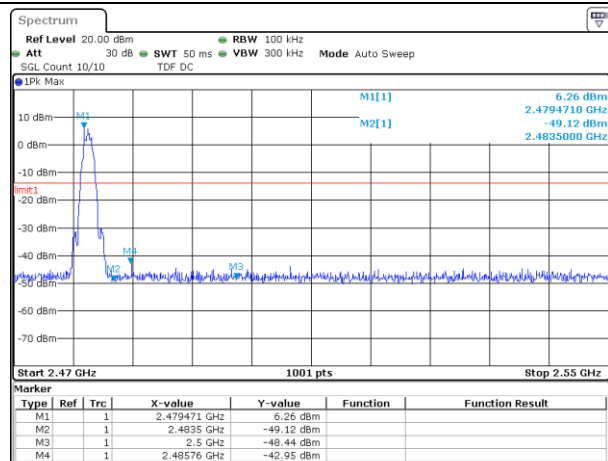
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NTNV_BLE_2402_2Mbps



Date: 6 AUG 2026 20:12:18

NTNV_BLE_2480_2Mbps



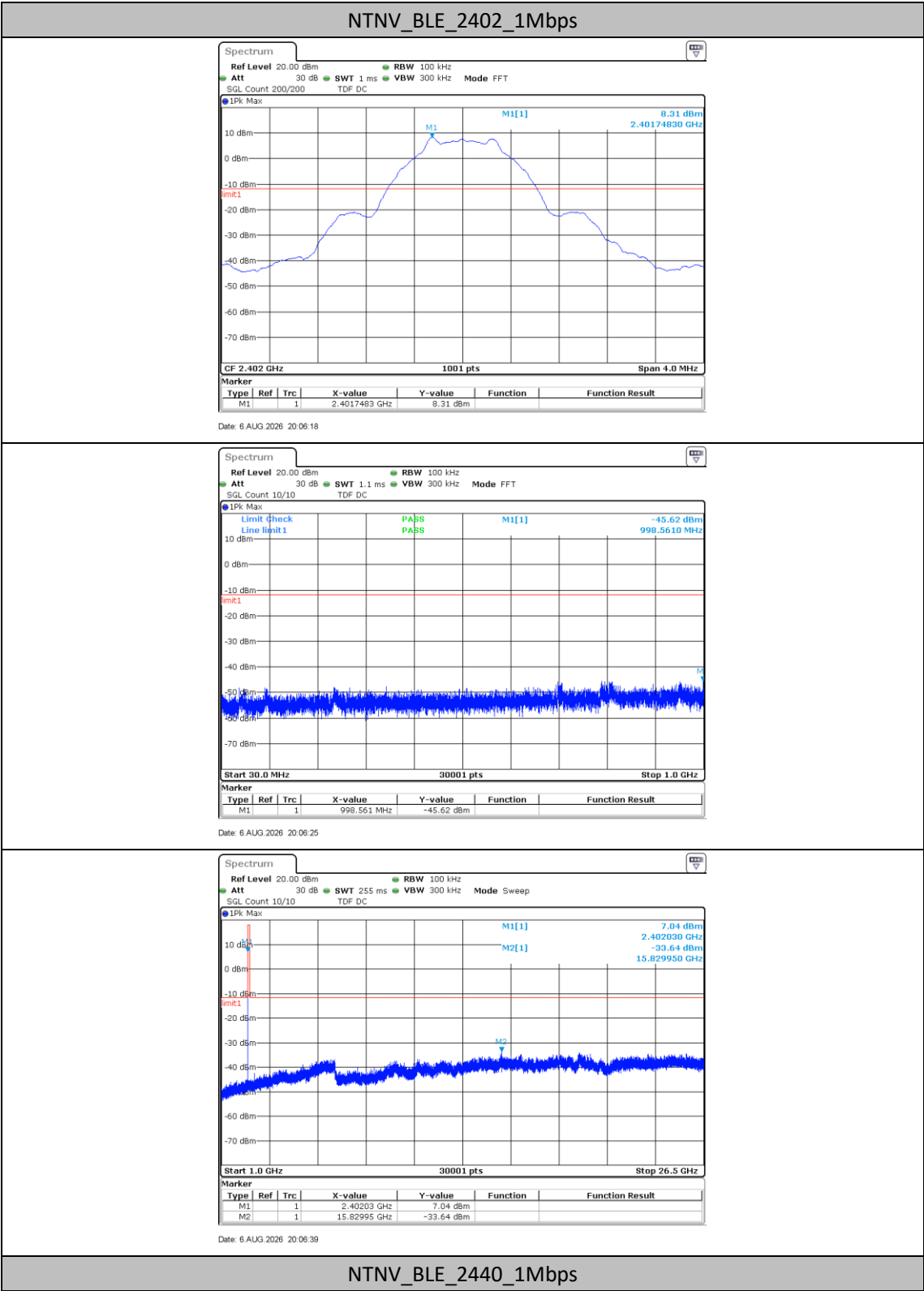
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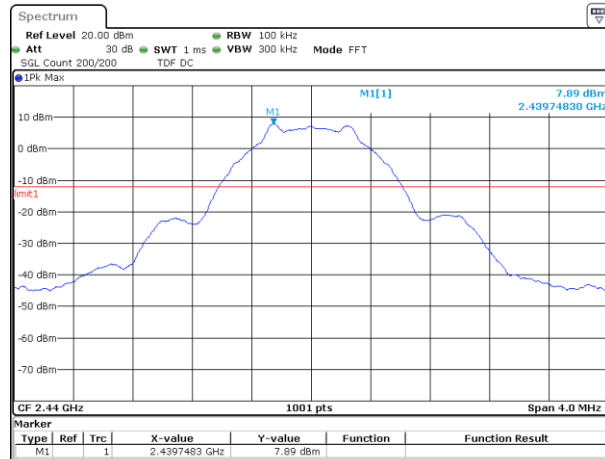
Appendix F: Conducted Spurious Emission

Test Result

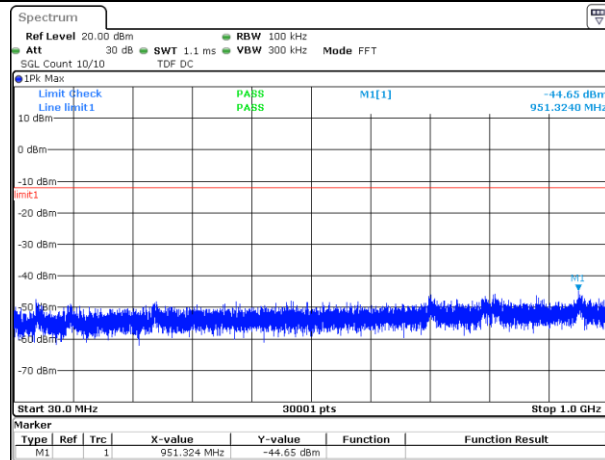
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	8.31	/	/
						30~1000	0.1	-45.62	≤-11.69	Pass
						1000~26500	0.1	-33.64	≤-11.69	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	Reference	0.1	7.89	/	/
						30~1000	0.1	-44.65	≤-12.11	Pass
						1000~26500	0.1	-33.18	≤-12.11	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	Reference	0.1	7.3	/	/
						30~1000	0.1	-44.66	≤-12.70	Pass
						1000~26500	0.1	-33.14	≤-12.70	Pass
4	NTNV	BLE	2402	2Mbps	ANT1	Reference	0.1	7.5	/	/
						30~1000	0.1	-43.93	≤-12.50	Pass
						1000~26500	0.1	-33.07	≤-12.50	Pass
5	NTNV	BLE	2440	2Mbps	ANT1	Reference	0.1	7.09	/	/
						30~1000	0.1	-44.60	≤-12.91	Pass
						1000~26500	0.1	-33.40	≤-12.91	Pass
6	NTNV	BLE	2480	2Mbps	ANT1	Reference	0.1	6.66	/	/
						30~1000	0.1	-43.95	≤-13.34	Pass
						1000~26500	0.1	-33.82	≤-13.34	Pass

Test Graphs

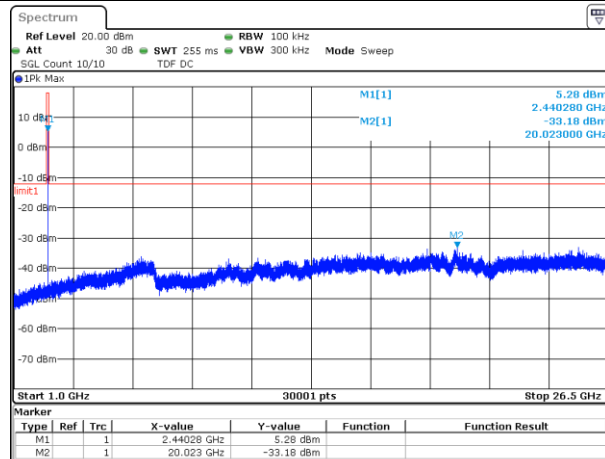




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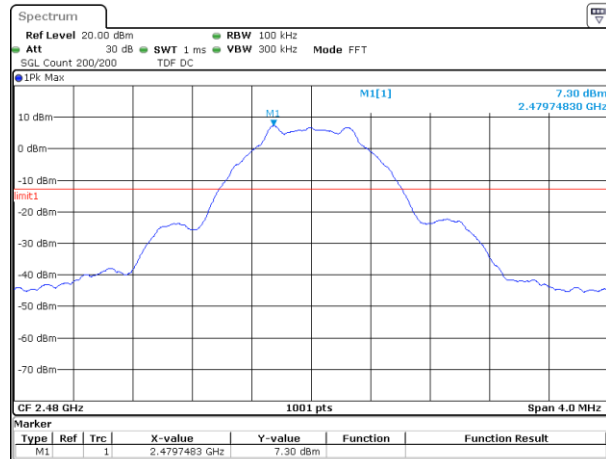


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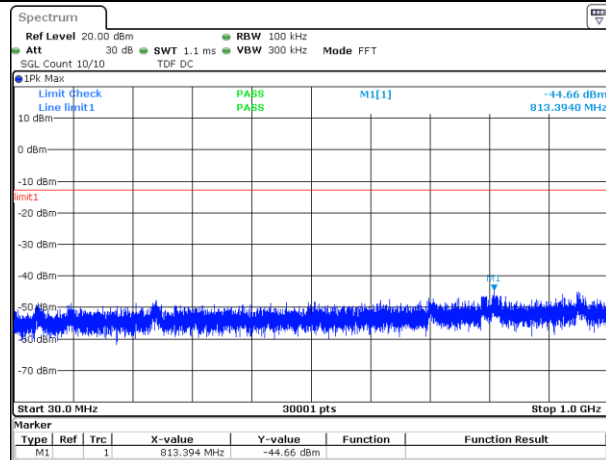


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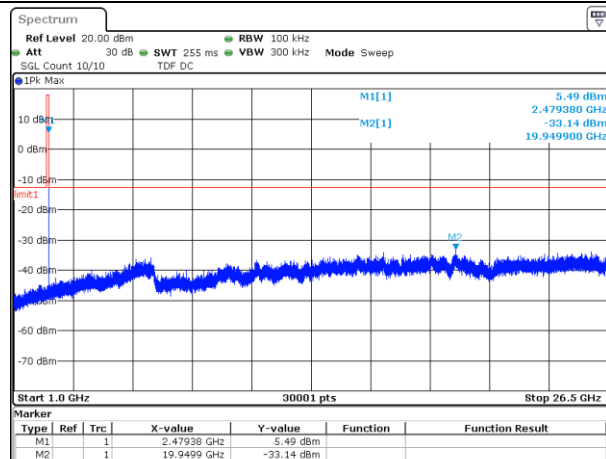
NTNV_BLE_2480_1Mbps



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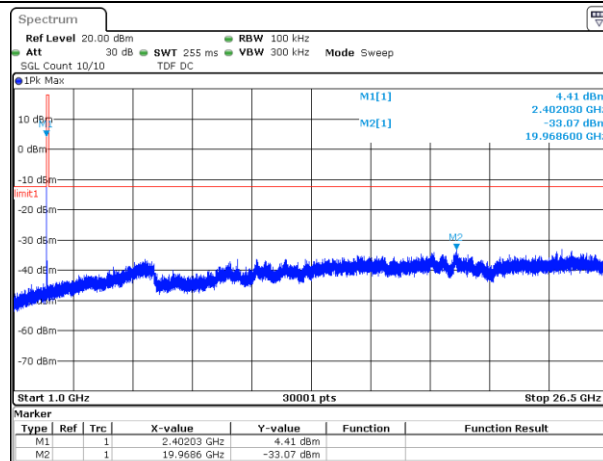
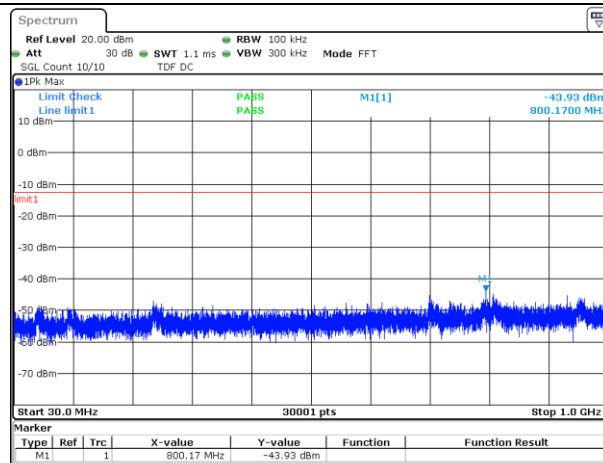
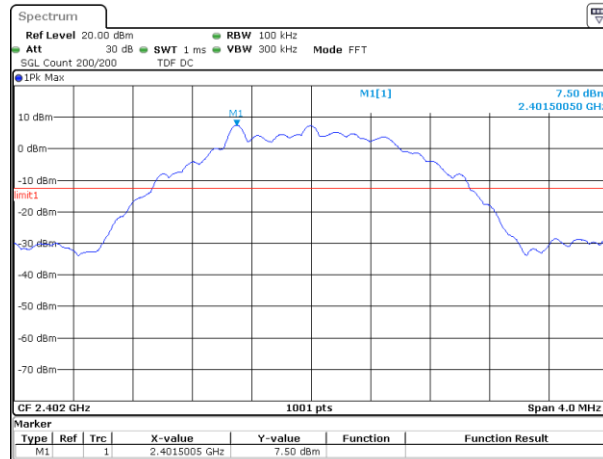


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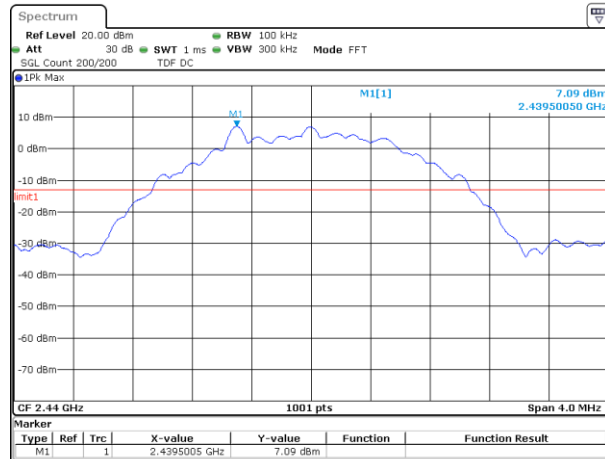


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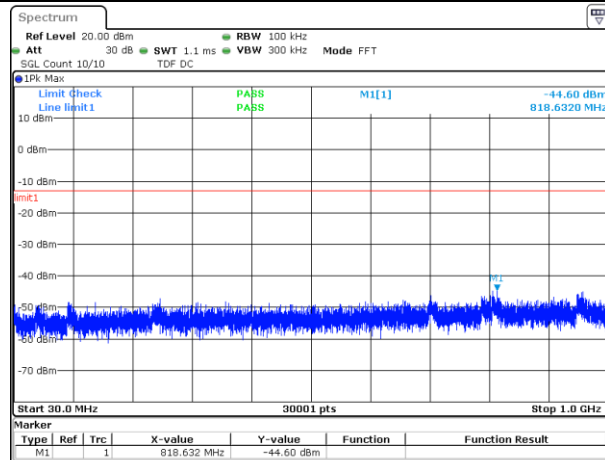
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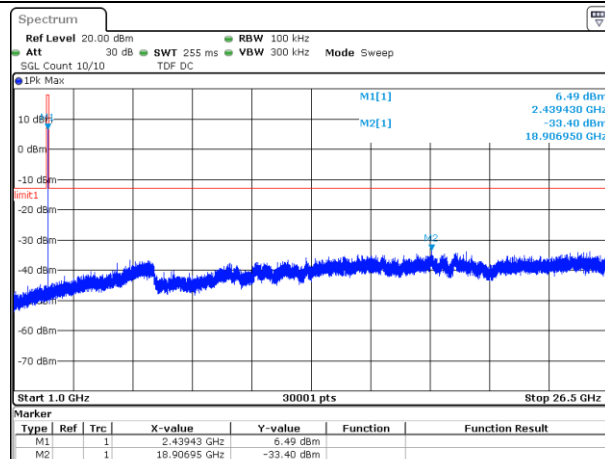
NTNV_BLE_2440_2Mbps



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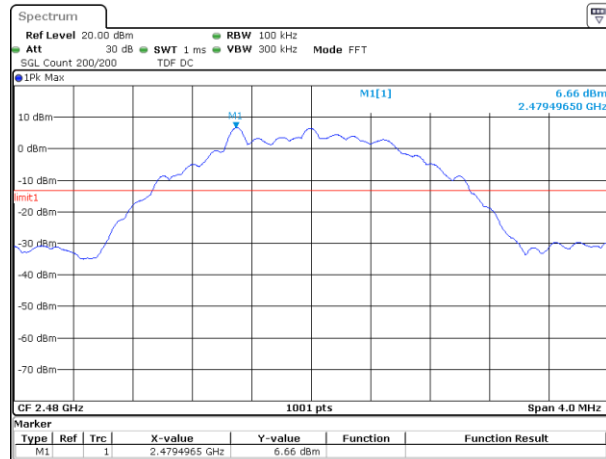


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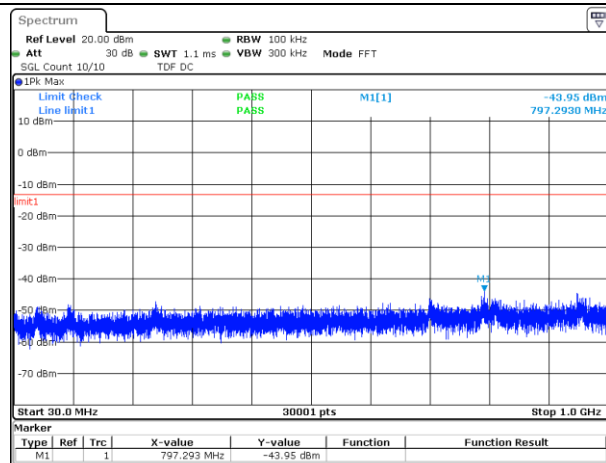


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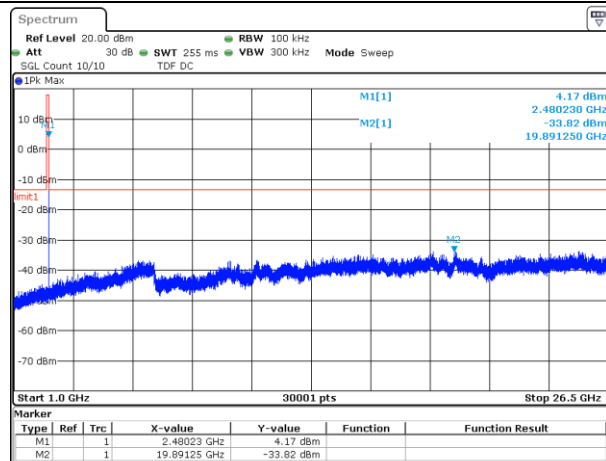
NTNV_BLE_2480_2Mbps



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Date: 6 AUG 2026 20:17:31



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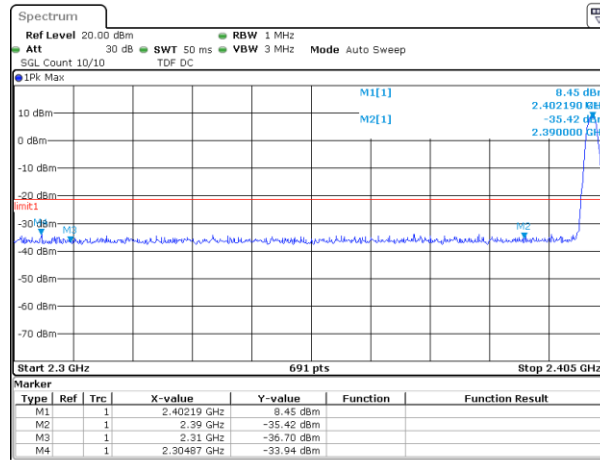
Appendix G: Emissions in Restricted Bands

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	BLE	2402	1Mbps	2.79	ANT1	Peak	2390.00	-35.42	-21.20	59.78	74.00	Pass
							Peak	2310.00	-36.70	-21.20	58.50	74.00	Pass
							Peak	2304.87	-33.94	-21.20	61.26	74.00	Pass
2	NTNV	BLE	2402	1Mbps	2.79	ANT1	AV	2390.00	-56.93	-41.20	38.27	54.00	Pass
							AV	2310.00	-57.67	-41.20	37.53	54.00	Pass
							AV	2343.22	-55.33	-41.20	39.87	54.00	Pass
3	NTNV	BLE	2480	1Mbps	2.79	ANT1	Peak	2483.50	-36.16	-21.20	59.04	74.00	Pass
							Peak	2500.00	-35.96	-21.20	59.24	74.00	Pass
							Peak	2513.36	-32.35	-21.20	62.85	74.00	Pass
4	NTNV	BLE	2480	1Mbps	2.79	ANT1	AV	2483.50	-55.62	-41.20	39.58	54.00	Pass
							AV	2500.00	-57.02	-41.20	38.18	54.00	Pass
							AV	2511.62	-54.81	-41.20	40.39	54.00	Pass
5	NTNV	BLE	2402	2Mbps	2.79	ANT1	Peak	2390.00	-36.21	-21.20	58.99	74.00	Pass
							Peak	2310.00	-35.30	-21.20	59.90	74.00	Pass
							Peak	2383.85	-33.50	-21.20	61.70	74.00	Pass
6	NTNV	BLE	2402	2Mbps	2.79	ANT1	AV	2390.00	-56.99	-41.20	38.21	54.00	Pass
							AV	2310.00	-57.55	-41.20	37.65	54.00	Pass
							AV	2340.17	-55.34	-41.20	39.86	54.00	Pass
7	NTNV	BLE	2480	2Mbps	2.79	ANT1	Peak	2483.50	-35.89	-21.20	59.31	74.00	Pass
							Peak	2500.00	-36.01	-21.20	59.19	74.00	Pass
							Peak	2524.96	-33.53	-21.20	61.67	74.00	Pass
8	NTNV	BLE	2480	2Mbps	2.79	ANT1	AV	2483.50	-55.10	-41.20	40.10	54.00	Pass
							AV	2500.00	-56.85	-41.20	38.35	54.00	Pass
							AV	2511.51	-54.53	-41.20	40.67	54.00	Pass

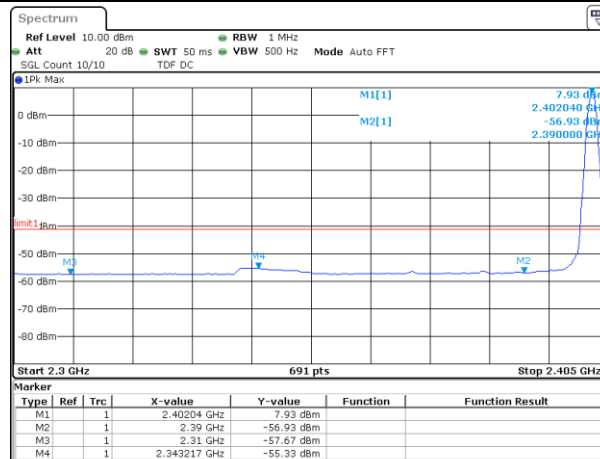
Test Graphs

NTNV_BLE_2402_1Mbps_Peak



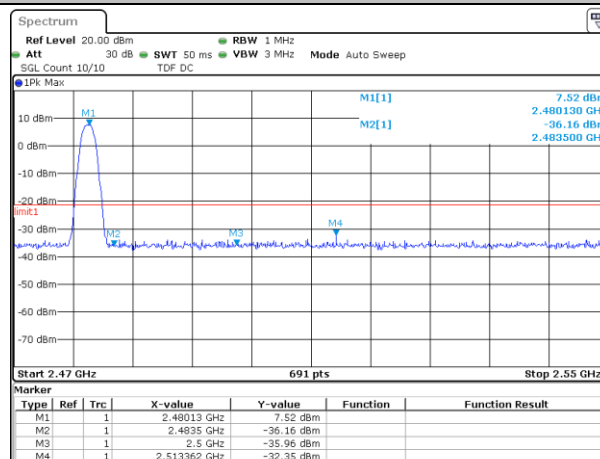
Date: 6 AUG 2026 20:06:54

NTNV_BLE_2402_1Mbps_AV



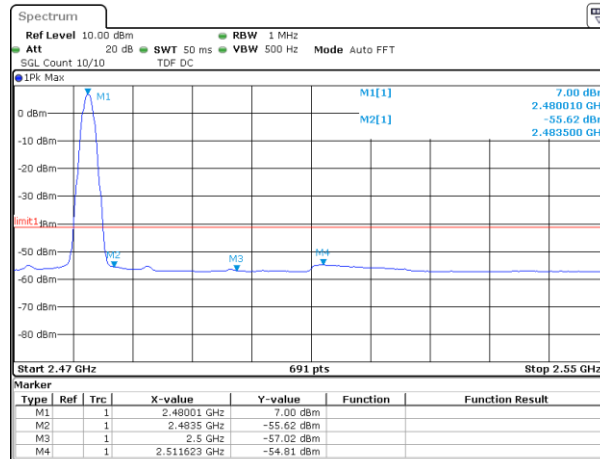
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NTNV_BLE_2480_1Mbps_Peak



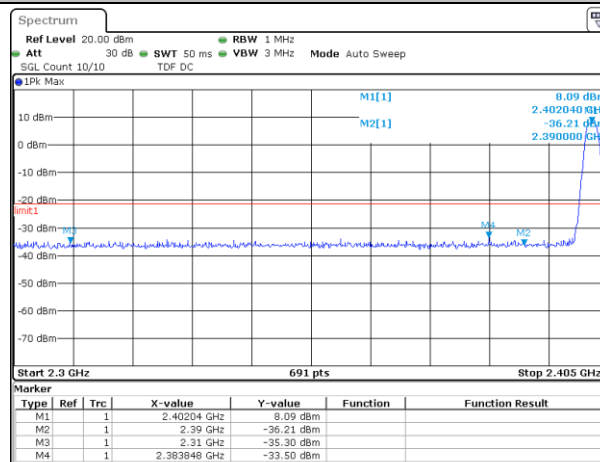
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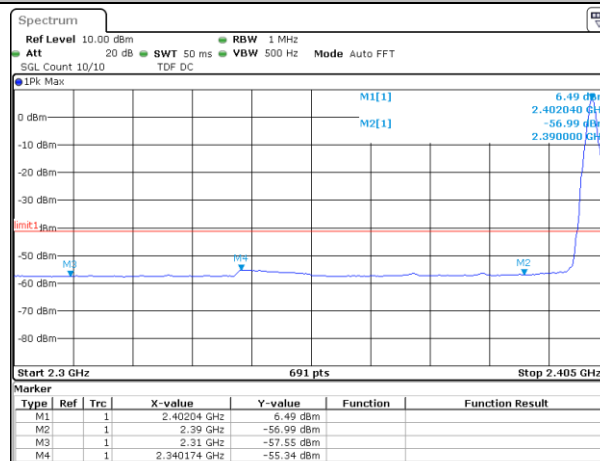
Date: 6 AUG 2026 20:10:51

NTNV_BLE_2402_2Mbps_Peak



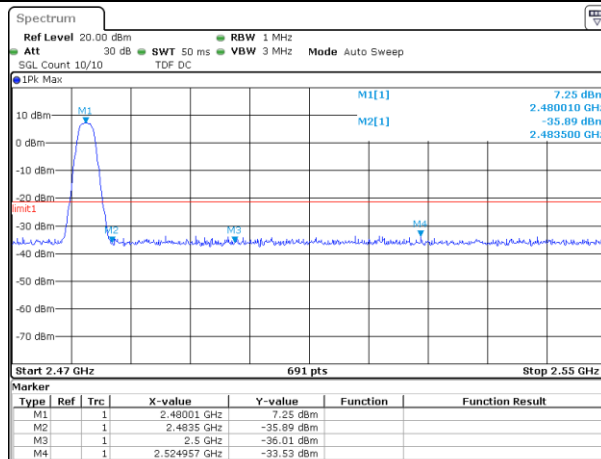
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NTNV_BLE_2402_2Mbps_AV



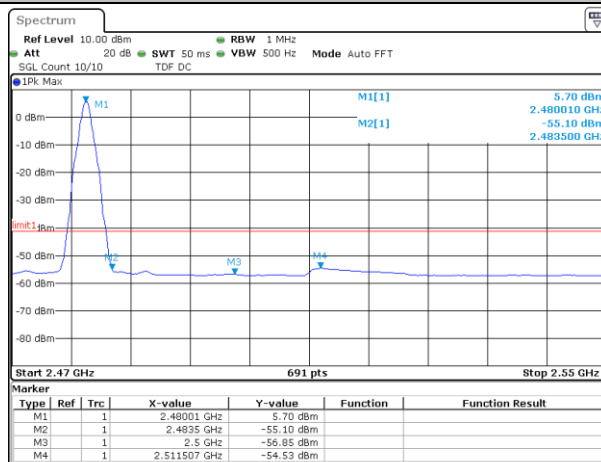
Date: 6 AUG 2026 20:13:04

NTNV_BLE_2480_2Mbps_Peak



Date: 6 AUG 2026 20:18:00

NTNV_BLE_2480_2Mbps_AV



Date: 6 AUG 2026 20:18:05

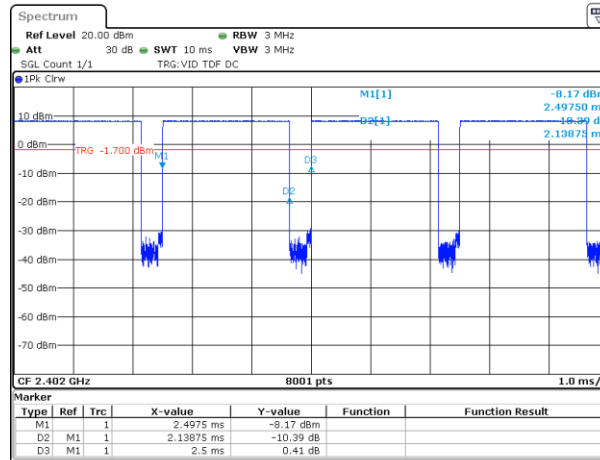
Appendix G: Duty Cycle

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	BLE	2402	1Mbps	ANT1	2.14	2.50	0.86	85.55
2	NTNV	BLE	2440	1Mbps	ANT1	2.14	2.50	0.86	85.55
3	NTNV	BLE	2480	1Mbps	ANT1	2.14	2.50	0.86	85.60
4	NTNV	BLE	2402	2Mbps	ANT1	1.08	1.25	0.87	86.70
5	NTNV	BLE	2440	2Mbps	ANT1	1.08	1.25	0.87	86.70
6	NTNV	BLE	2480	2Mbps	ANT1	1.08	1.25	0.87	86.70

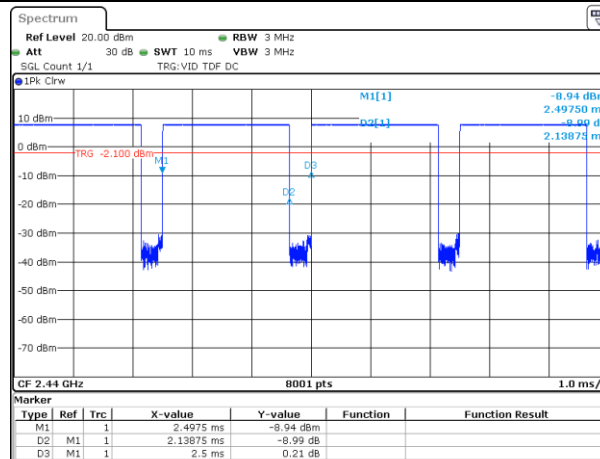
Test Graphs

NTNV_BLE_2402_1Mbps



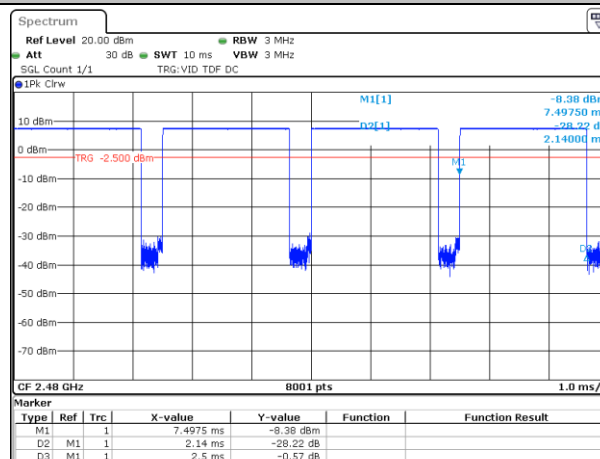
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NTNV_BLE_2440_1Mbps



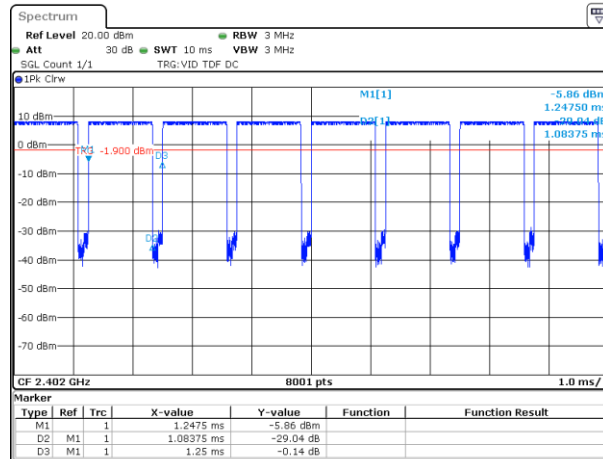
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NTNV_BLE_2480_1Mbps



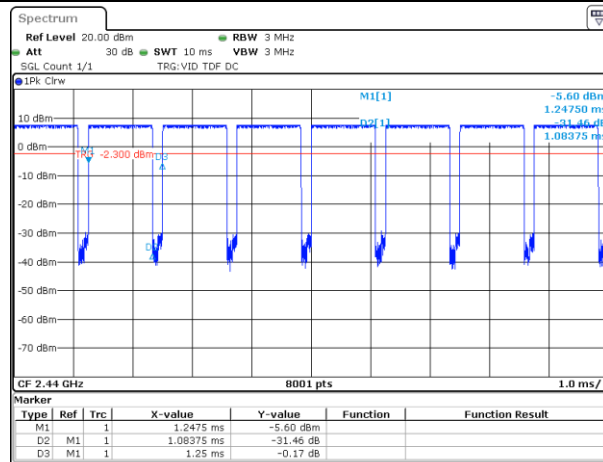
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NTNV_BLE_2402_2Mbps



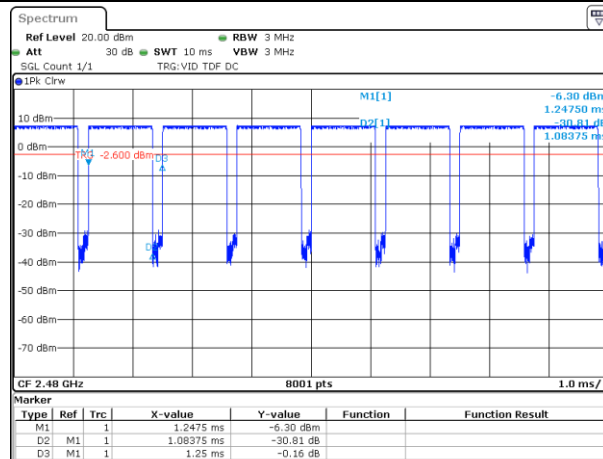
Date: 6 AUG 2026 20:12:06

NTNV_BLE_2440_2Mbps



Date: 6 AUG 2026 20:15:03

NTNV_BLE_2480_2Mbps



Date: 6 AUG 2026 20:17:07