



CQASZ20260801801E-01

Summary

NO.	Item	Verdict
1	20dB Emission Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Carrier frequency separation	Pass
5	Time of occupancy	Pass
6	Number of hopping channels	Pass
7	Band edge measurements	Pass
8	Conducted Spurious Emission	Pass
9	Duty Cycle	Pass

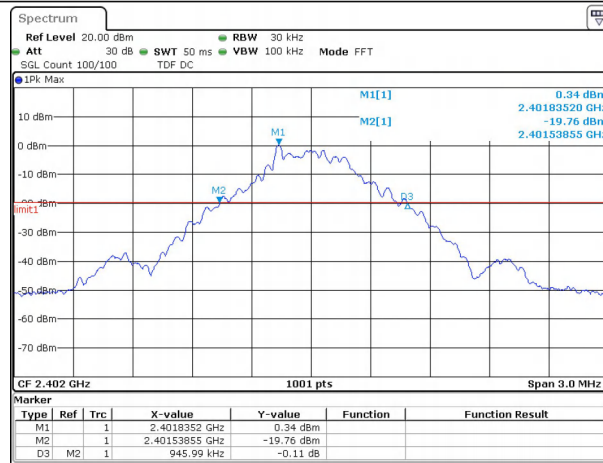
Appendix A: 20dB Emission Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	BW (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	0.95	2401.54	2402.48	-	-
2	NTNV	DH5	2441	1Mbps	ANT1	0.95	2440.54	2441.48	-	-
3	NTNV	DH5	2480	1Mbps	ANT1	0.95	2479.54	2480.48	-	-
4	NTNV	2DH5	2402	2Mbps	ANT1	1.24	2401.38	2402.61	-	-
5	NTNV	2DH5	2441	2Mbps	ANT1	1.24	2440.38	2441.61	-	-
6	NTNV	2DH5	2480	2Mbps	ANT1	1.24	2479.38	2480.61	-	-

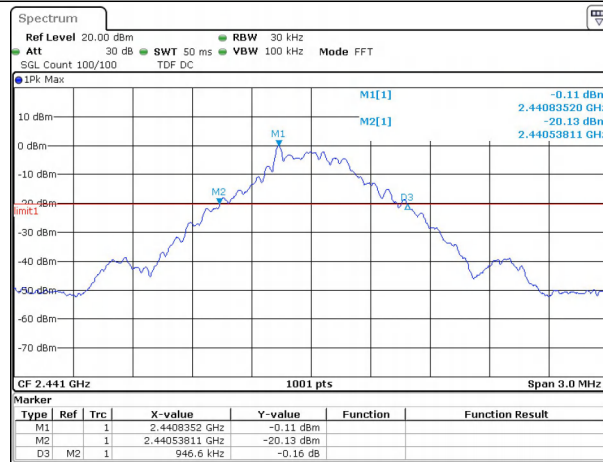
Test Graphs

NTNV_DH5_2402_1Mbps



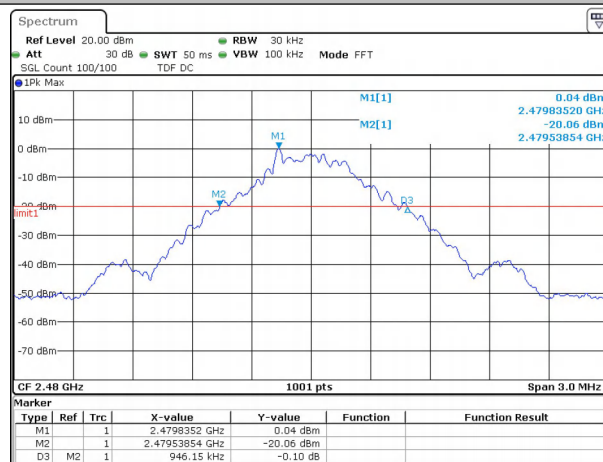
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NTNV_DH5_2441_1Mbps



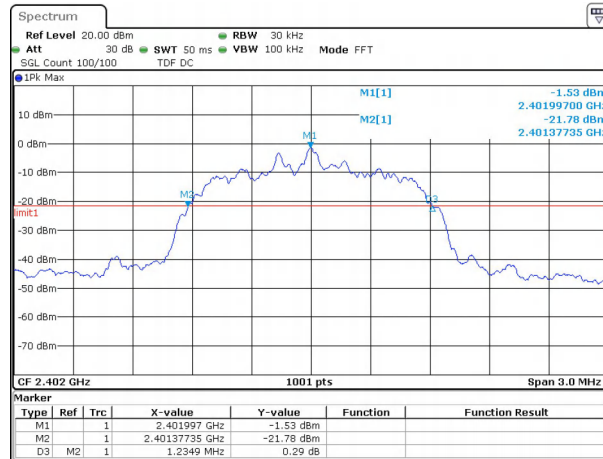
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NTNV_DH5_2480_1Mbps



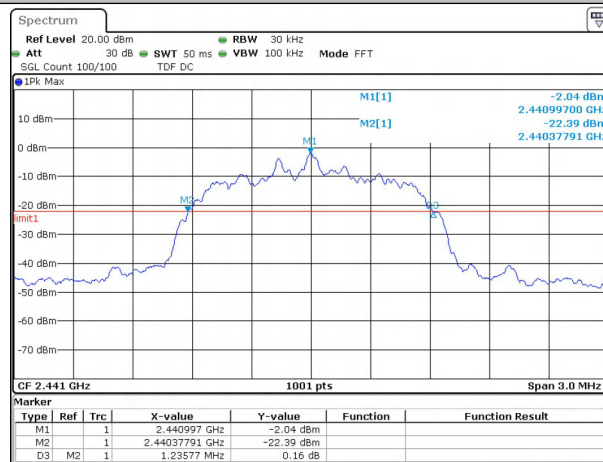
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NTNV_2DH5_2402_2Mbps



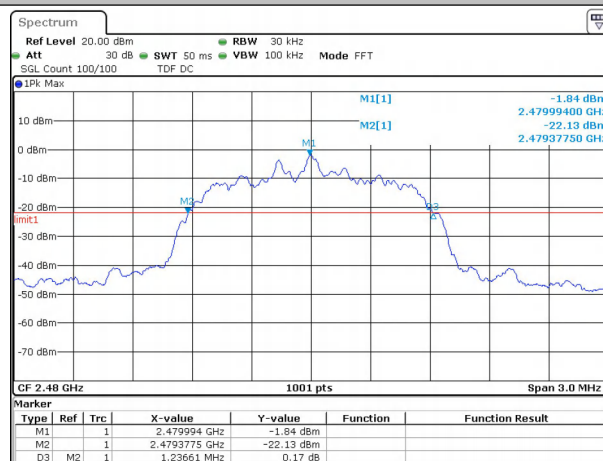
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NTNV_2DH5_2441_2Mbps



Date: 26 AUG.2026 11:21:24

NTNV_2DH5_2480_2Mbps



Date: 26 AUG.2026 11:23:30

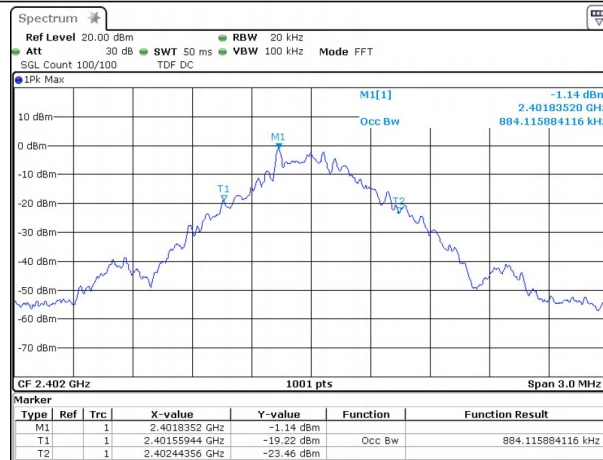
Appendix B: Occupied Channel Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	0.88	-	2401.56	2402.44	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	0.89	-	2440.56	2441.45	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	0.88	-	2479.56	2480.44	Pass
4	NTNV	2DH5	2402	2Mbps	ANT1	1.15	-	2401.42	2402.57	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	1.15	-	2440.42	2441.58	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	1.15	-	2479.42	2480.58	Pass

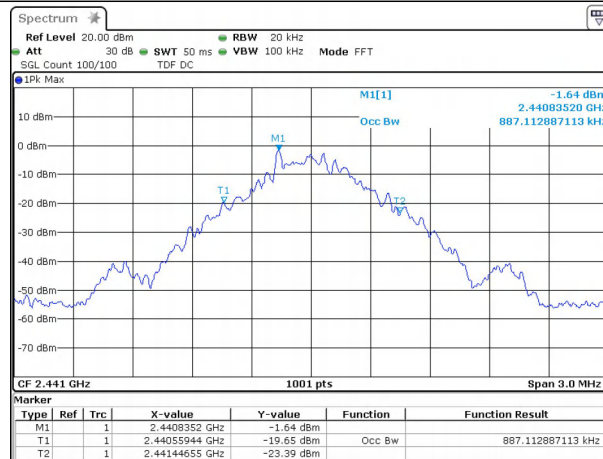
Test Graphs

NTNV_DH5_2402_1Mbps



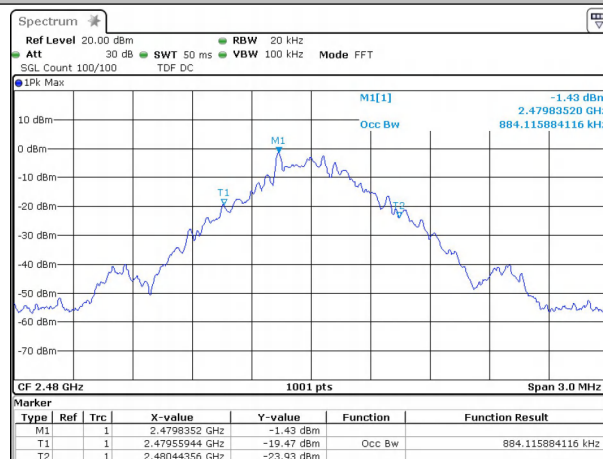
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NTNV_DH5_2441_1Mbps



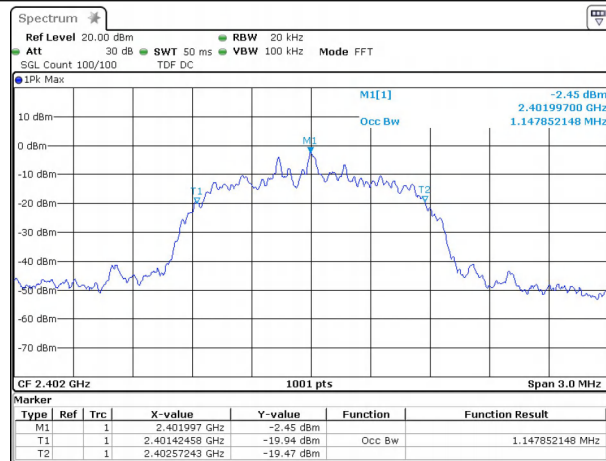
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NTNV_DH5_2480_1Mbps



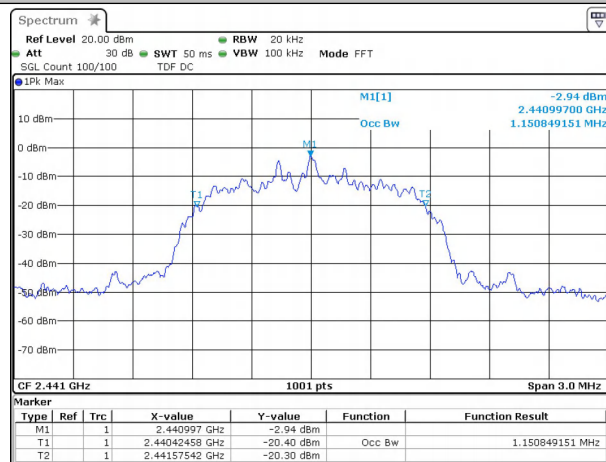
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NTNV_2DH5_2402_2Mbps



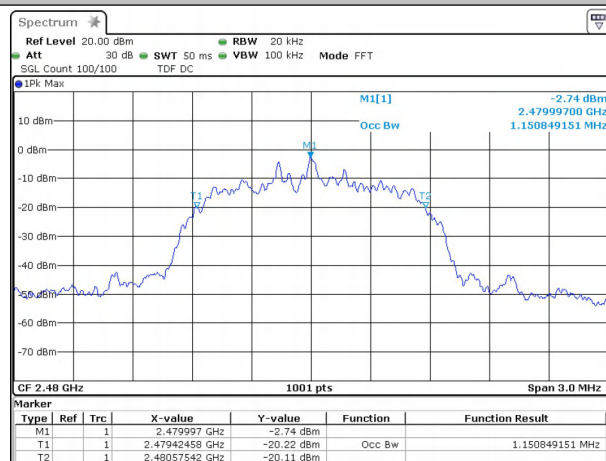
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NTNV_2DH5_2441_2Mbps



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NTNV_2DH5_2480_2Mbps



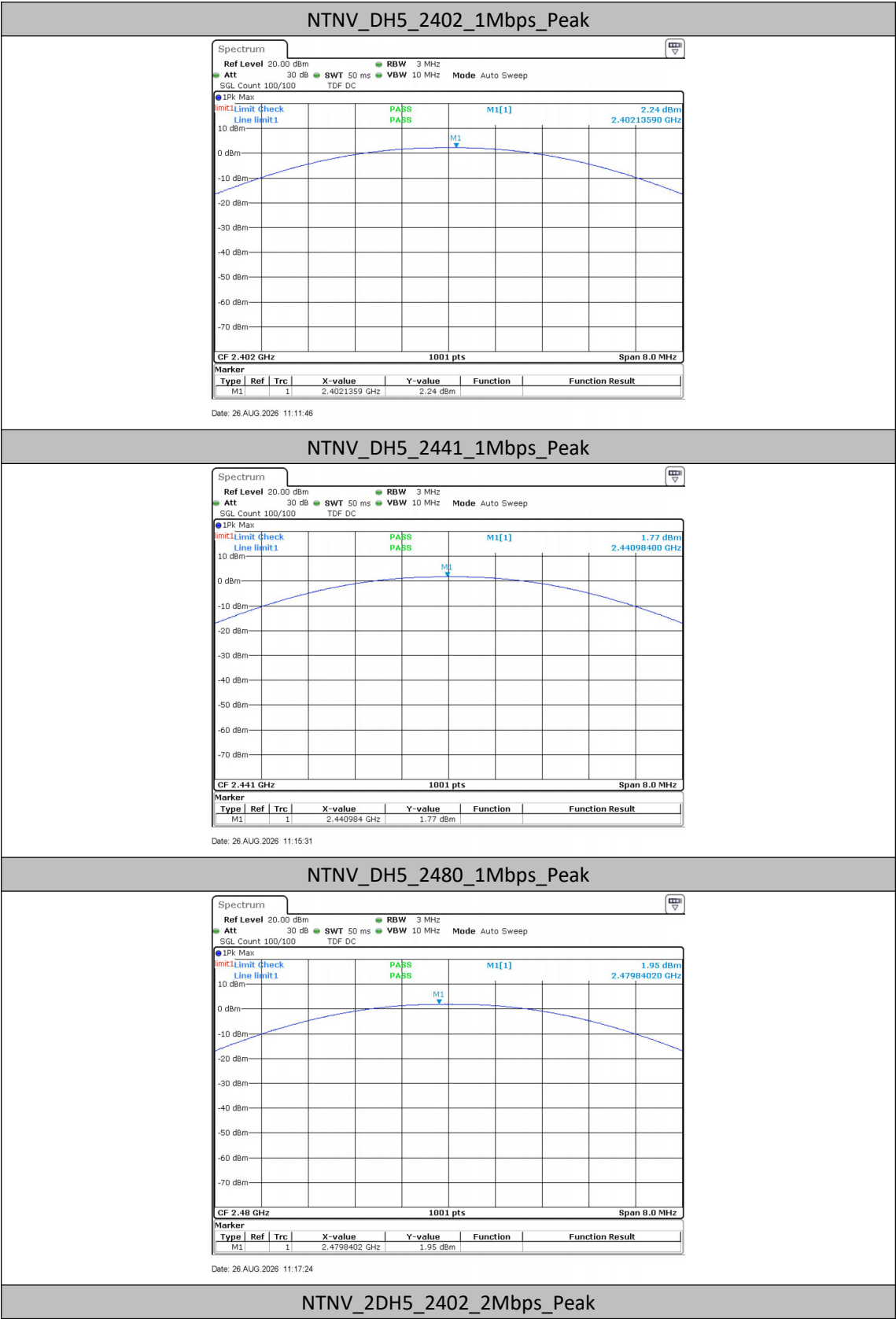
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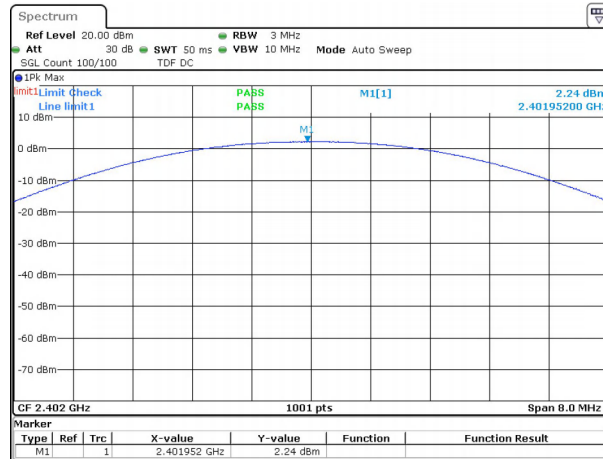
Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	DH5	2402	Peak	ANT1	2.24	≤30	Pass
2	NTNV	DH5	2441	Peak	ANT1	1.77	≤30	Pass
3	NTNV	DH5	2480	Peak	ANT1	1.95	≤30	Pass
4	NTNV	2DH5	2402	Peak	ANT1	2.24	≤30	Pass
5	NTNV	2DH5	2441	Peak	ANT1	1.79	≤30	Pass
6	NTNV	2DH5	2480	Peak	ANT1	1.92	≤30	Pass

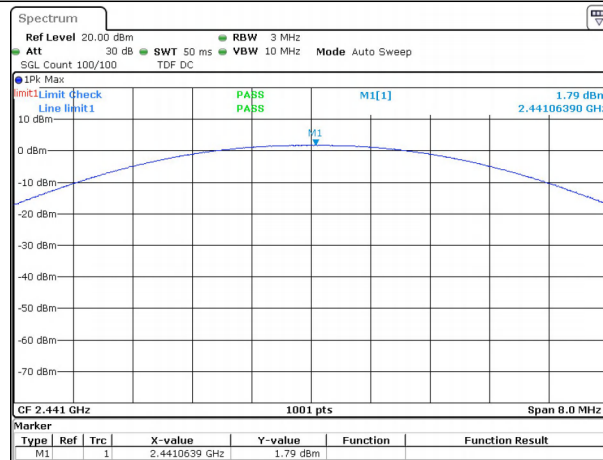
Test Graphs





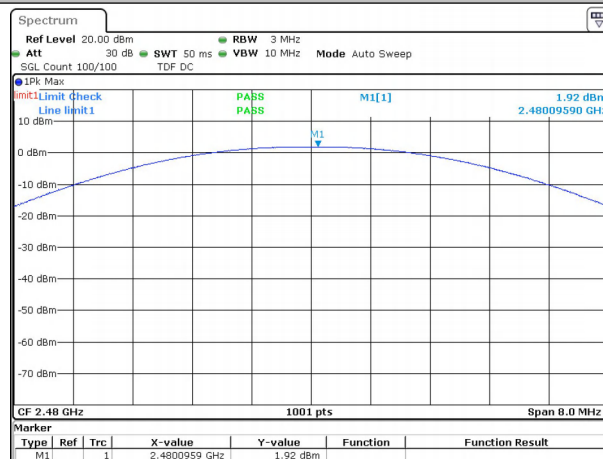
Date: 26 AUG.2026 11:19:18

NTNV_2DH5_2441_2Mbps_Peak



Date: 26 AUG.2026 11:21:11

NTNV_2DH5_2480_2Mbps_Peak



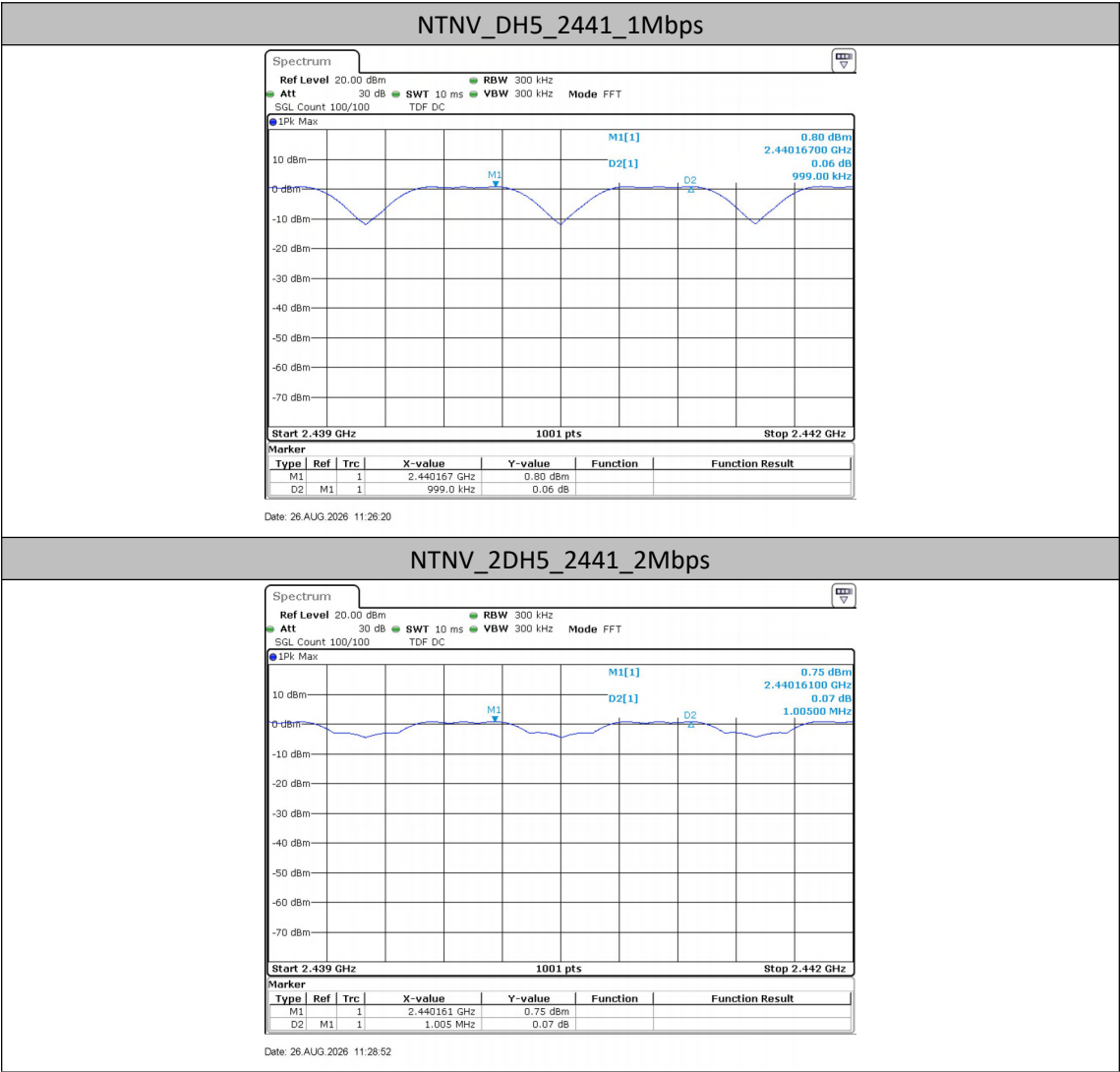
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Appendix D: Carrier frequency separation

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Result (MHz)	Limit (MHz)	Verdict
1	NTNV	DH5 FHSS	2441	1Mbps	ANT1	1.00	≥ 0.63	Pass
2	NTNV	2DH5 FHSS	2441	2Mbps	ANT1	1.00	≥ 0.83	Pass

Test Graphs

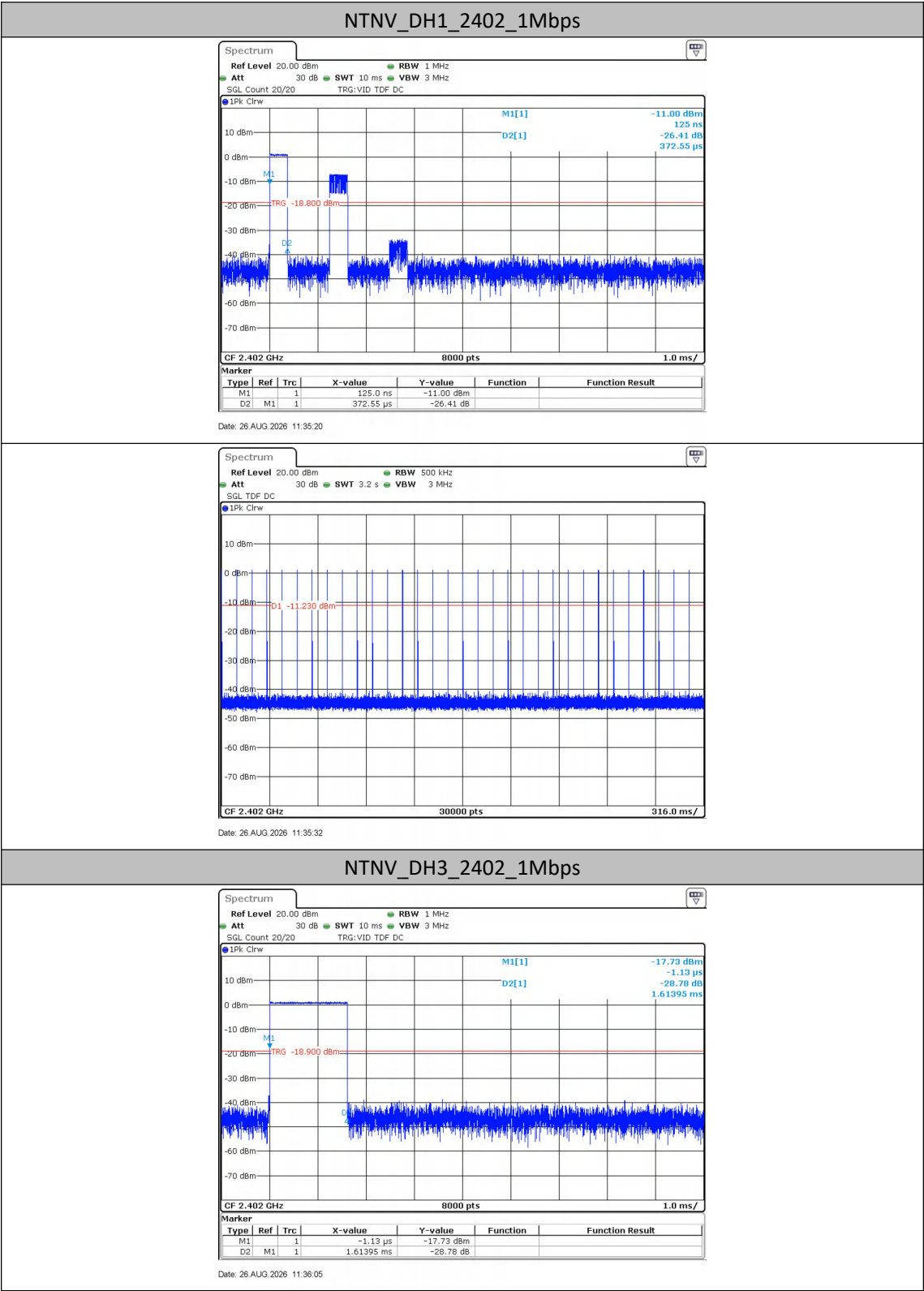


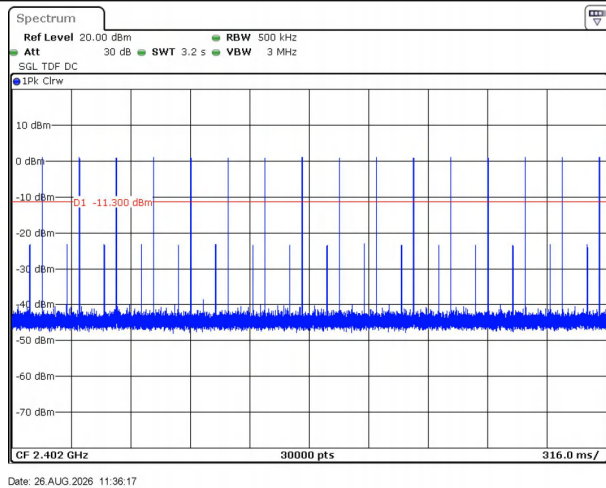
Appendix E: Time of occupancy

Test Result

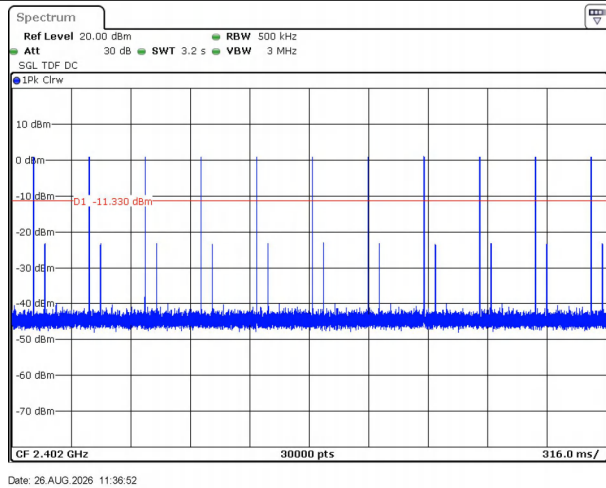
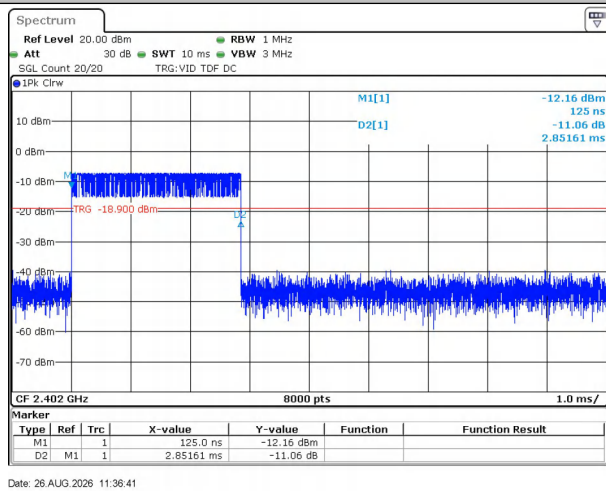
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Burst Width (ms)	Total Hops	Dwell Time (s)	Limit (s)	Verdict
1	NTNV	DH1 FHSS	2402	1Mbps	ANT1	0.37	32	0.12	≤0.4	Pass
2	NTNV	DH3 FHSS	2402	1Mbps	ANT1	1.61	16	0.26	≤0.4	Pass
3	NTNV	DH5 FHSS	2402	1Mbps	ANT1	2.85	11	0.31	≤0.4	Pass
4	NTNV	2DH1 FHSS	2402	2Mbps	ANT1	0.38	32	0.12	≤0.4	Pass
5	NTNV	2DH3 FHSS	2402	2Mbps	ANT1	1.63	16	0.26	≤0.4	Pass
6	NTNV	2DH5 FHSS	2402	2Mbps	ANT1	2.86	11	0.32	≤0.4	Pass

Test Graphs

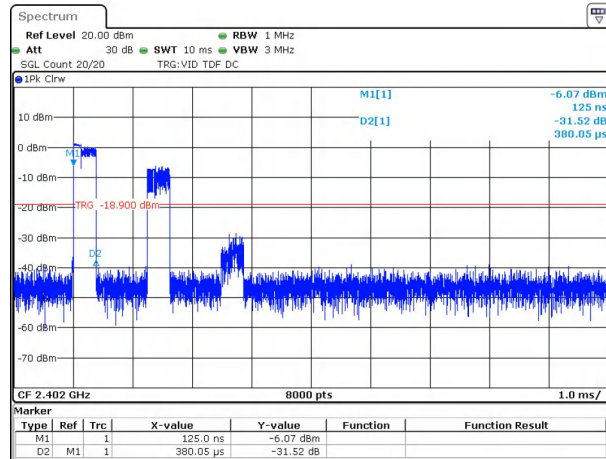




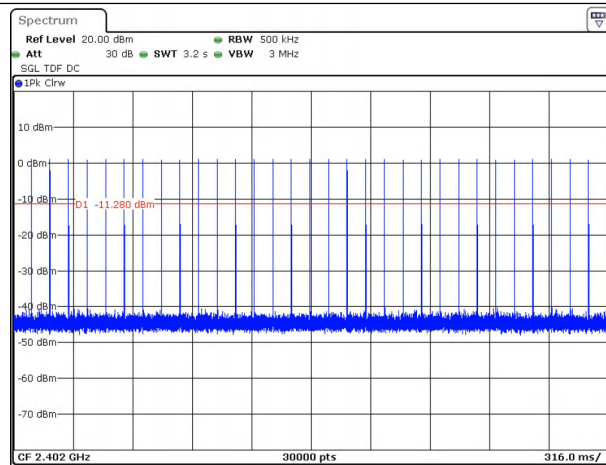
NTNV_DH5_2402_1Mbps



NTNV_2DH1_2402_2Mbps

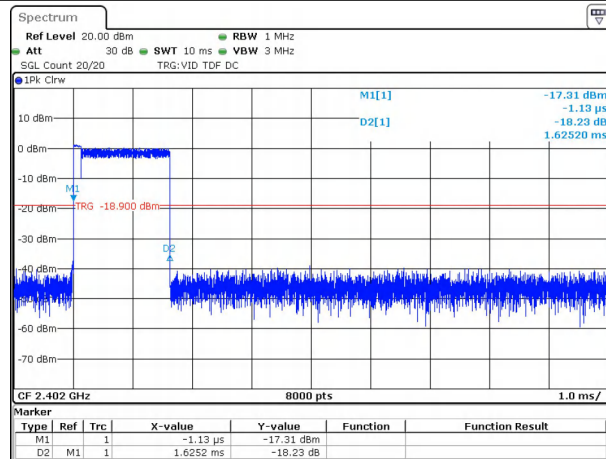


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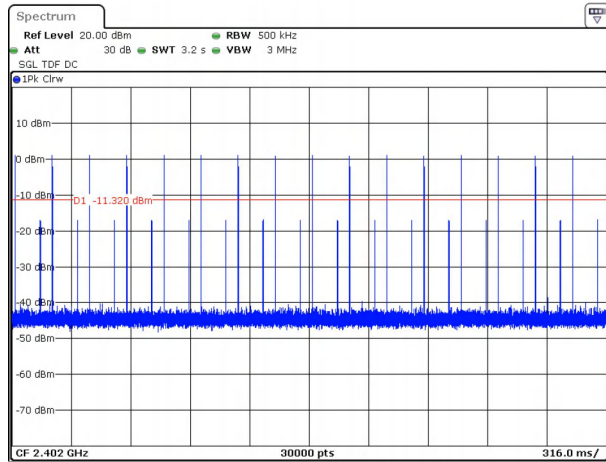


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NTNV_2DH3_2402_2Mbps

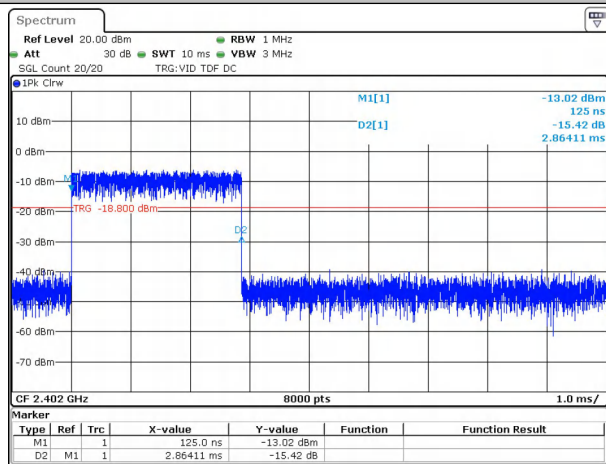


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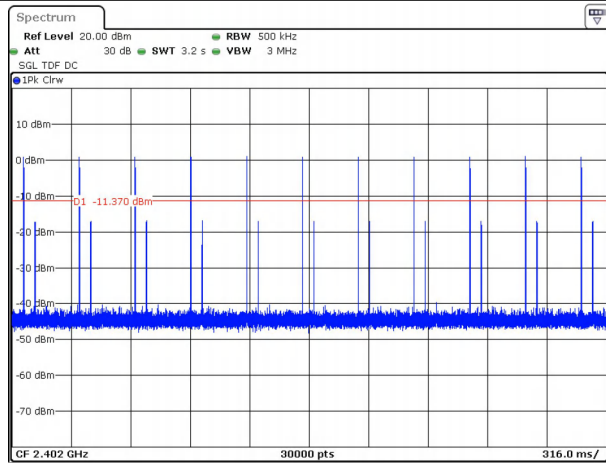


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NTNV_2DH5_2402_2Mbps



Date: 26 AUG.2026 11:39:08



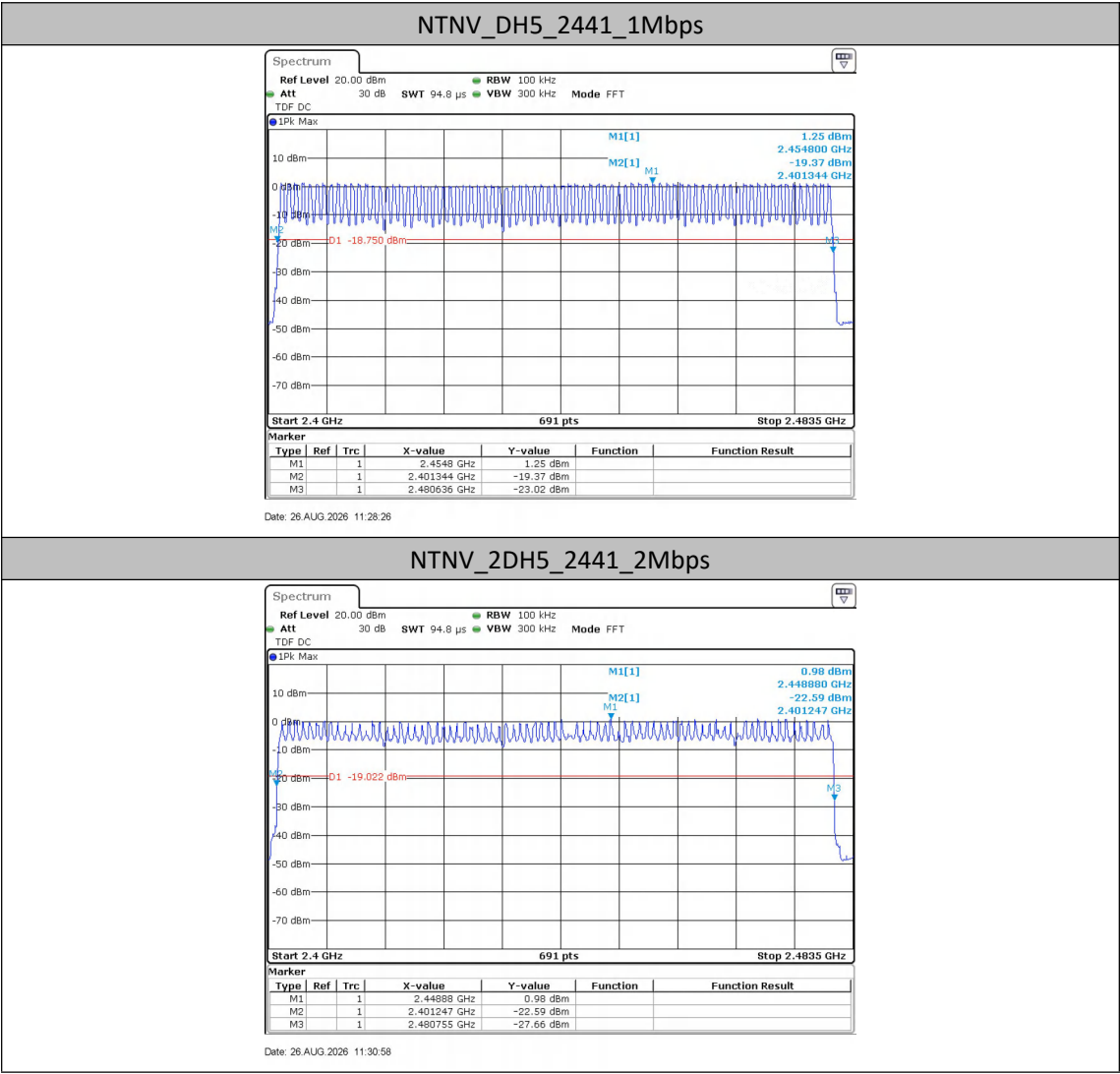
Date: 26 AUG.2026 11:39:19

Appendix F: Number of hopping channels

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Result (Num)	Limit (Num)	Verdict
1	NTNV	DH5 FHSS	2441	1Mbps	ANT1	79	≥ 15	Pass
2	NTNV	2DH5 FHSS	2441	2Mbps	ANT1	79	≥ 15	Pass

Test Graphs

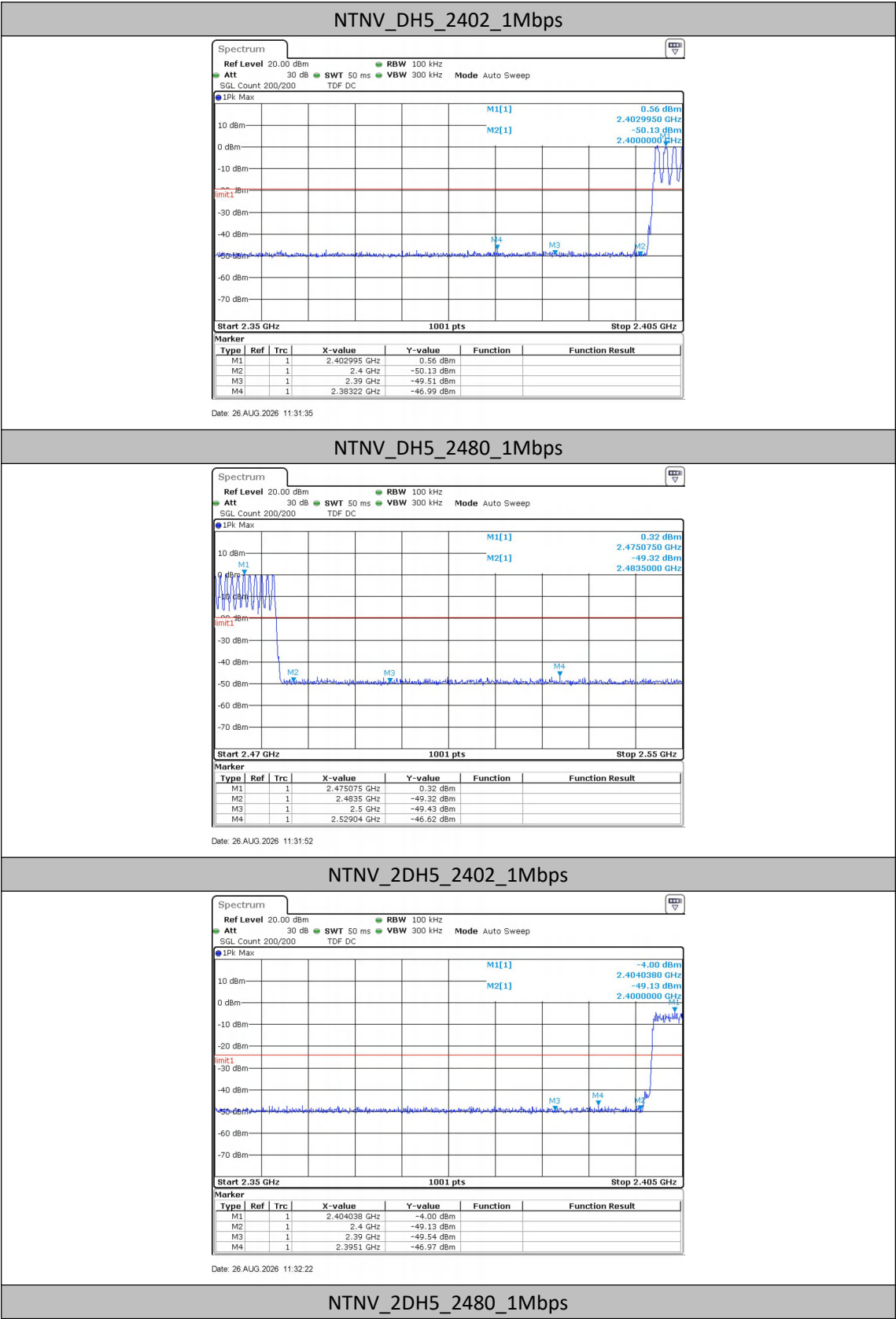


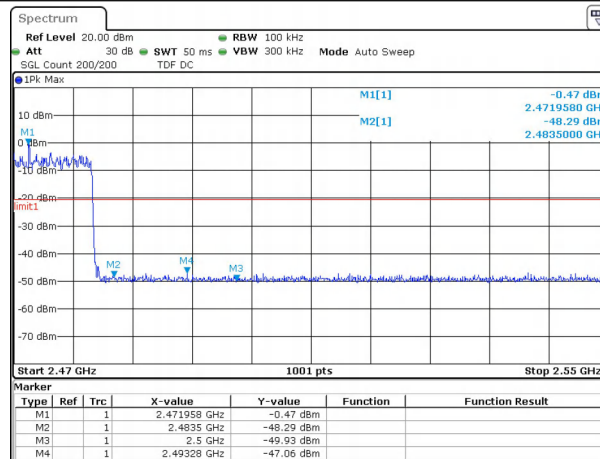
Appendix G: Band edge measurements

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Reference (dBm)	Emission Level (dBm)	Limit (dBm)	Verdict
5	NTNV	DH5 FHSS	2402	1Mbps	ANT1	0.56	-46.99	≤ -19.44	Pass
6	NTNV	DH5 FHSS	2480	1Mbps	ANT1	0.32	-46.62	≤ -19.68	Pass
7	NTNV	2DH5 FHSS	2402	1Mbps	ANT1	-4	-46.97	≤ -24	Pass
8	NTNV	2DH5 FHSS	2480	1Mbps	ANT1	-0.47	-47.06	≤ -20.47	Pass
1	NTNV	DH5	2402	1Mbps	ANT1	1.17	-46.78	≤ -18.83	Pass
2	NTNV	DH5	2480	1Mbps	ANT1	0.68	-46.03	≤ -19.32	Pass
3	NTNV	2DH5	2402	2Mbps	ANT1	0.73	-46.76	≤ -19.27	Pass
4	NTNV	2DH5	2480	2Mbps	ANT1	0.5	-46.29	≤ -19.5	Pass

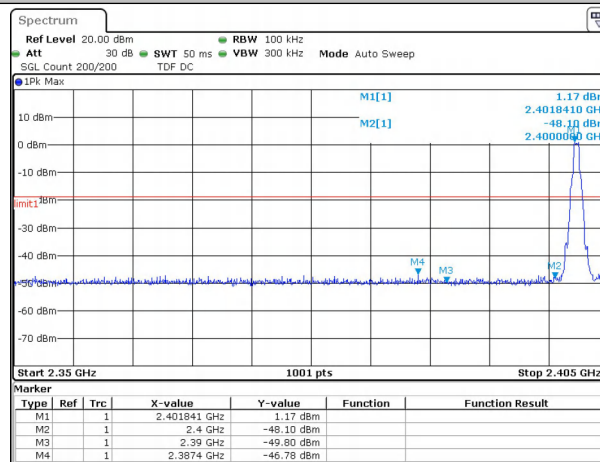
Test Graphs





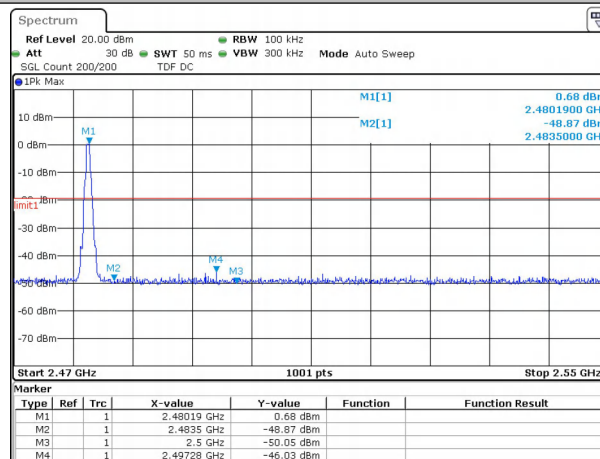
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NTNV_DH5_2402_1Mbps



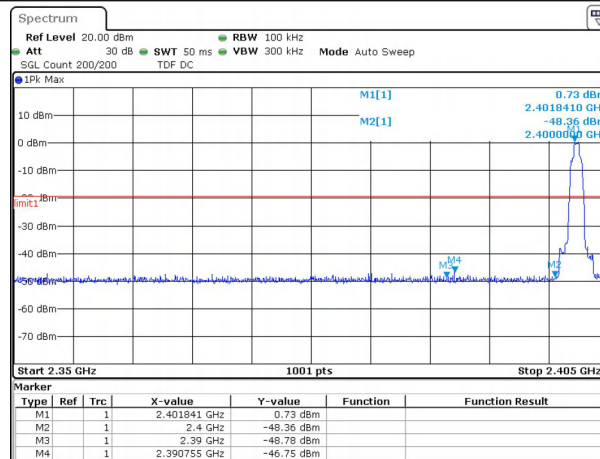
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NTNV_DH5_2480_1Mbps



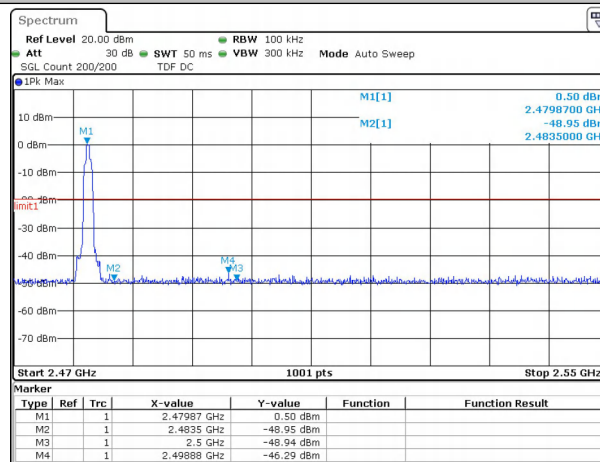
Date: 26.AUG.2026 11:17:50

NTNV_2DH5_2402_2Mbps



Date: 26.AUG.2026 11:19:44

NTNV_2DH5_2480_2Mbps



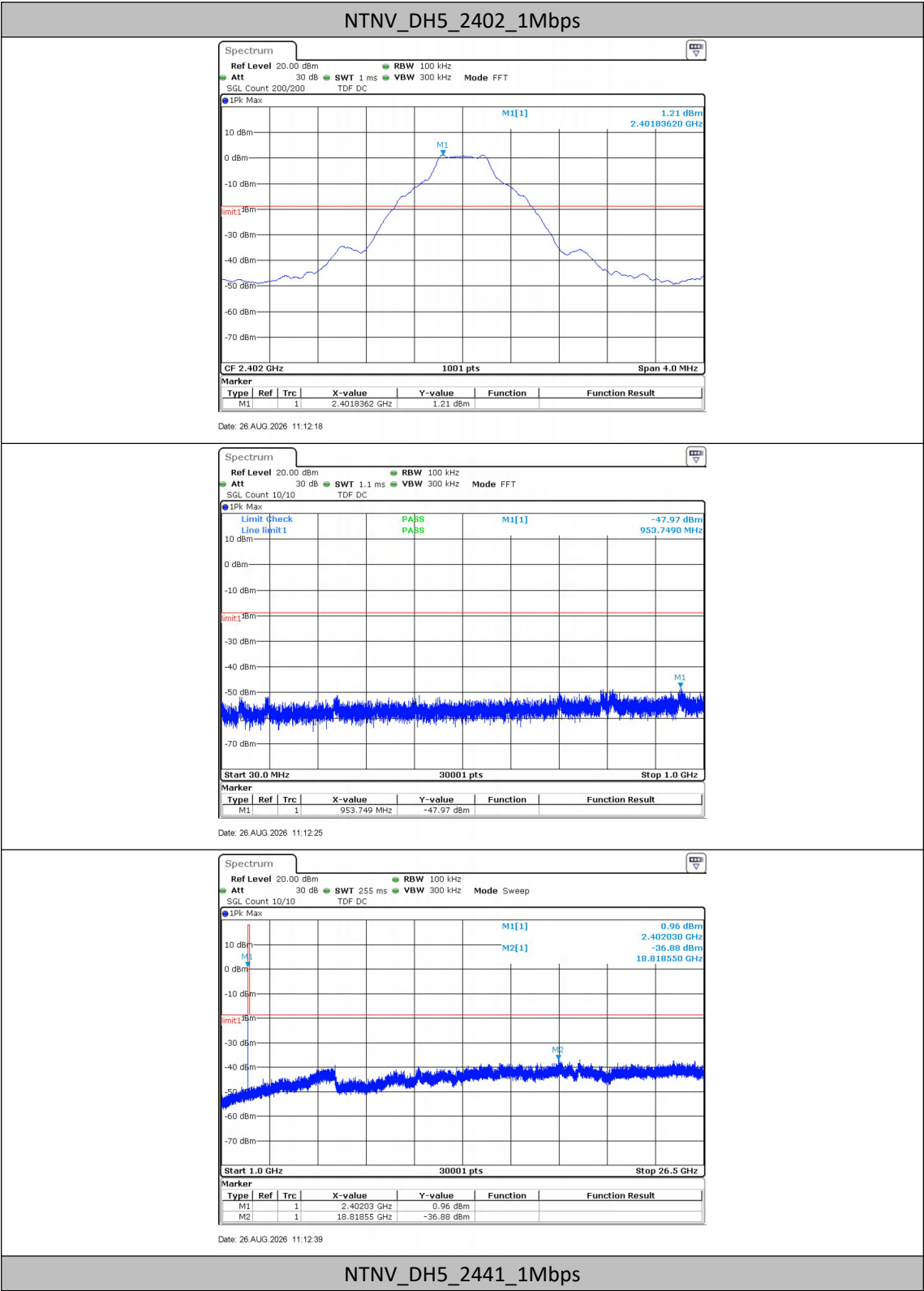
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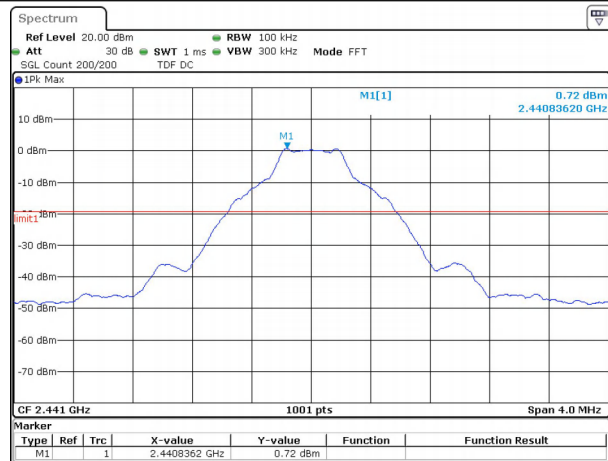
Appendix H: Conducted Spurious Emission

Test Result

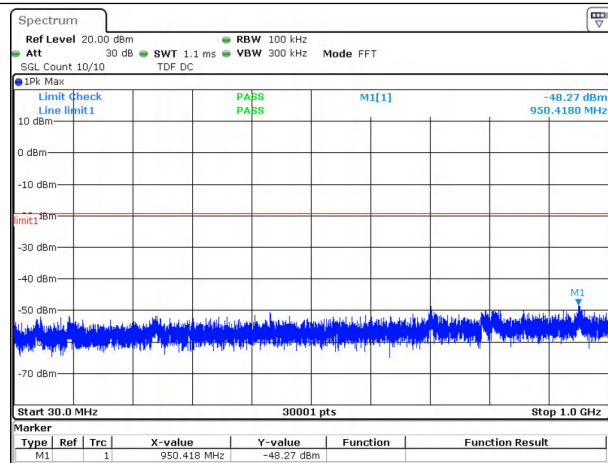
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	Reference	0.1	1.21	/	/
						30~1000	0.1	-47.97	≤-18.79	Pass
						1000~26500	0.1	-36.88	≤-18.79	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	Reference	0.1	0.72	/	/
						30~1000	0.1	-48.27	≤-19.28	Pass
						1000~26500	0.1	-37.70	≤-19.28	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	Reference	0.1	0.89	/	/
						30~1000	0.1	-48.64	≤-19.11	Pass
						1000~26500	0.1	-37.07	≤-19.11	Pass
4	NTNV	2DH5	2402	2Mbps	ANT1	Reference	0.1	1.08	/	/
						30~1000	0.1	-46.44	≤-18.92	Pass
						1000~26500	0.1	-37.40	≤-18.92	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	Reference	0.1	0.58	/	/
						30~1000	0.1	-48.74	≤-19.42	Pass
						1000~26500	0.1	-36.84	≤-19.42	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	Reference	0.1	0.74	/	/
						30~1000	0.1	-48.61	≤-19.26	Pass
						1000~26500	0.1	-36.75	≤-19.26	Pass

Test Graphs

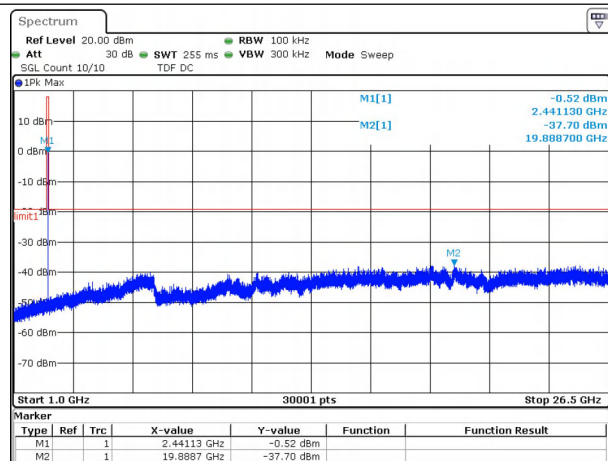




Date: 26 AUG 2026 11:15:50

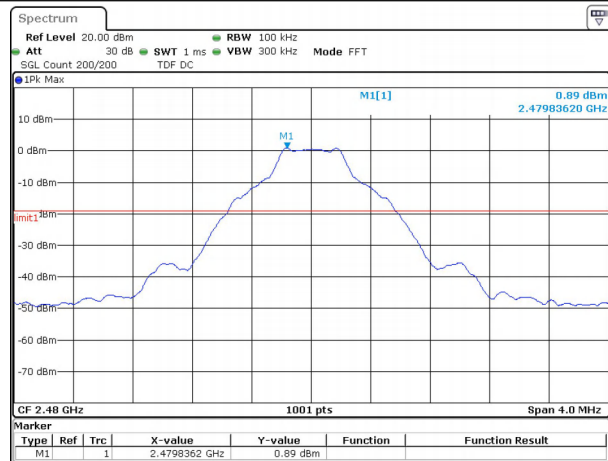


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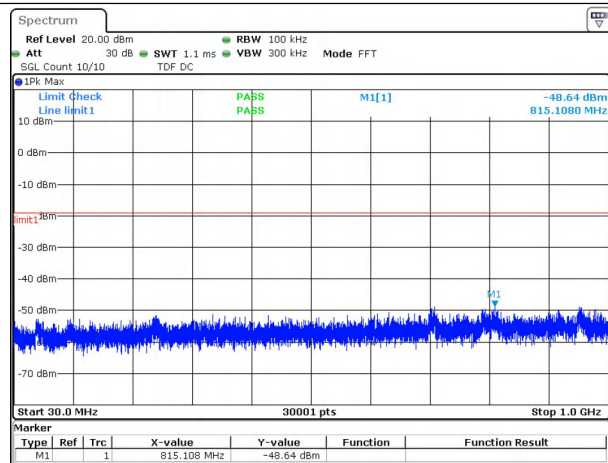


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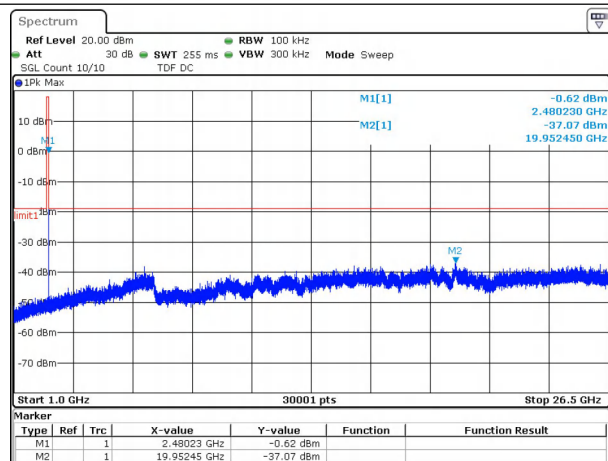
NTNV_DH5_2480_1Mbps



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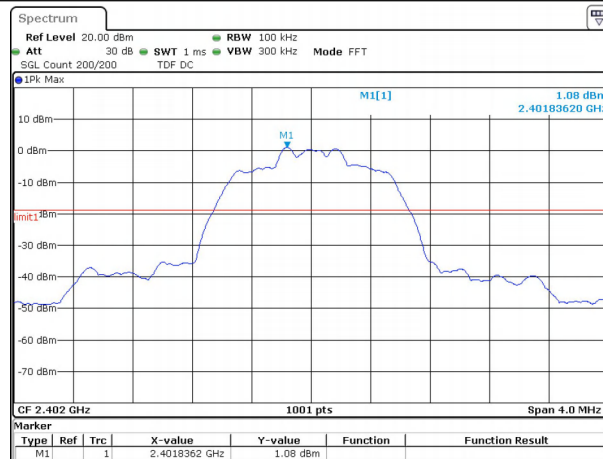


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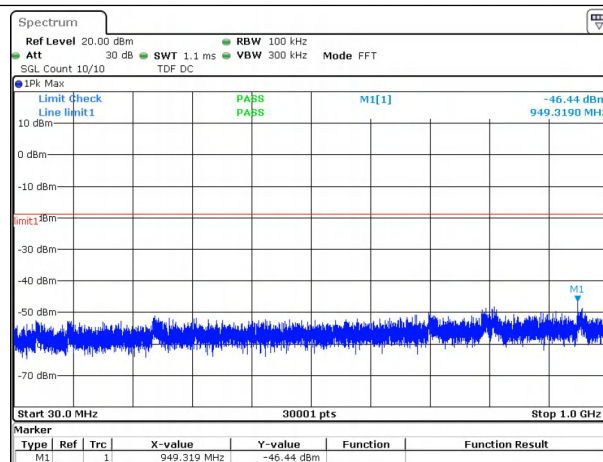


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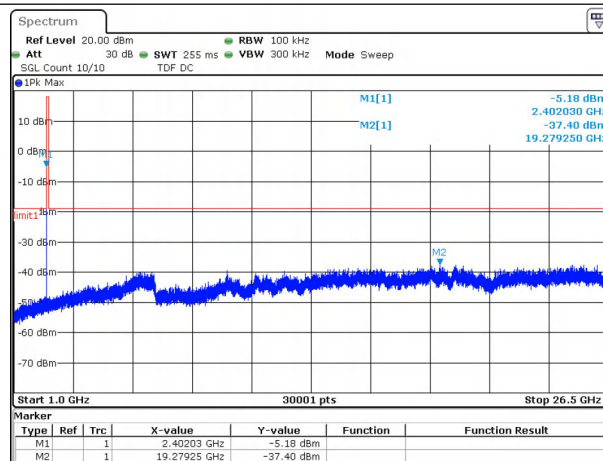
NTNV_2DH5_2402_2Mbps



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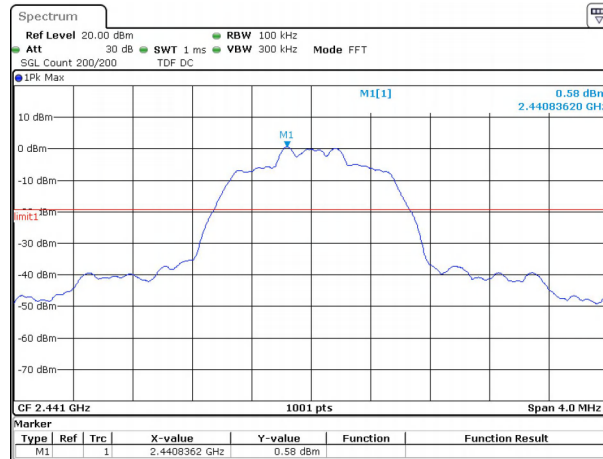


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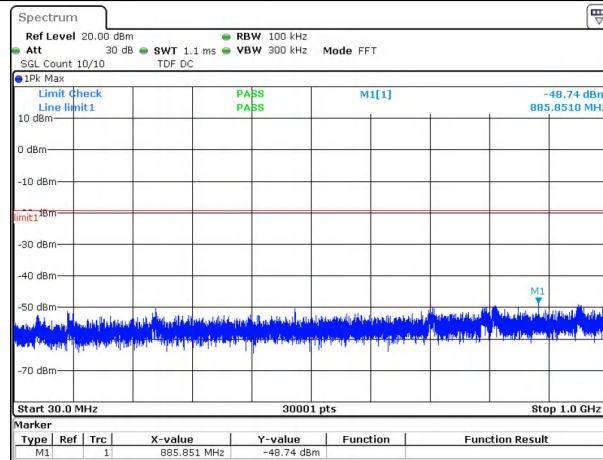


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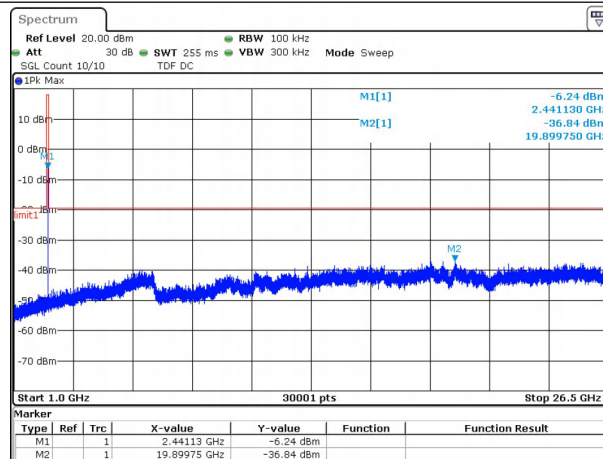
NTNV_2DH5_2441_2Mbps



Date: 26 AUG.2026 11:21:30

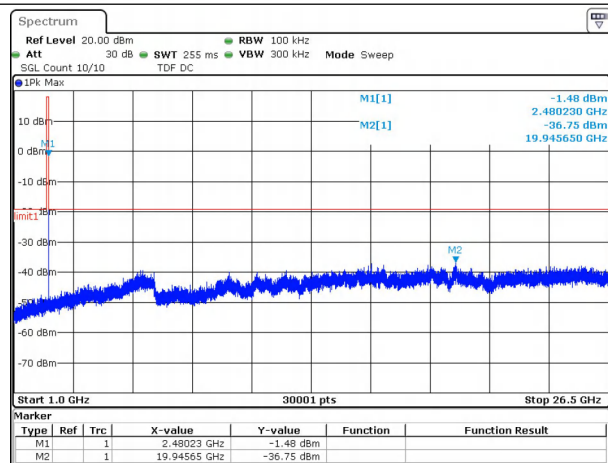
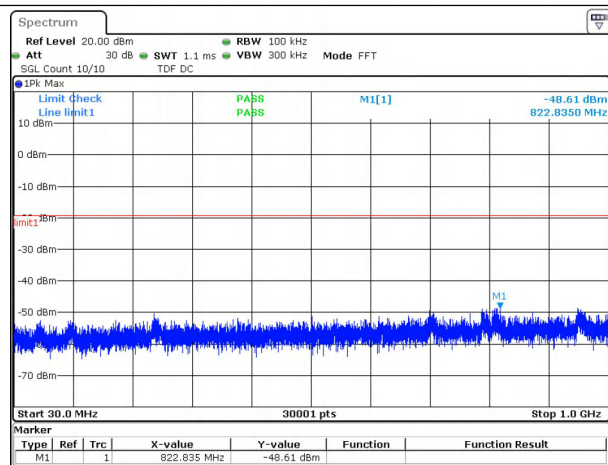
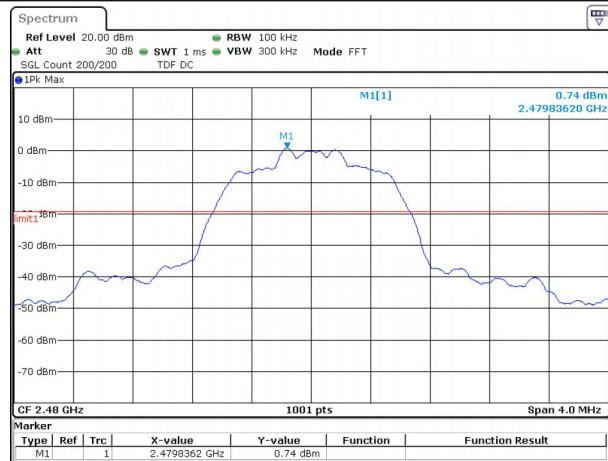


Date: 26 AUG.2026 11:21:36



Date: 26 AUG.2026 11:21:50

NTNV_2DH5_2480_2Mbps



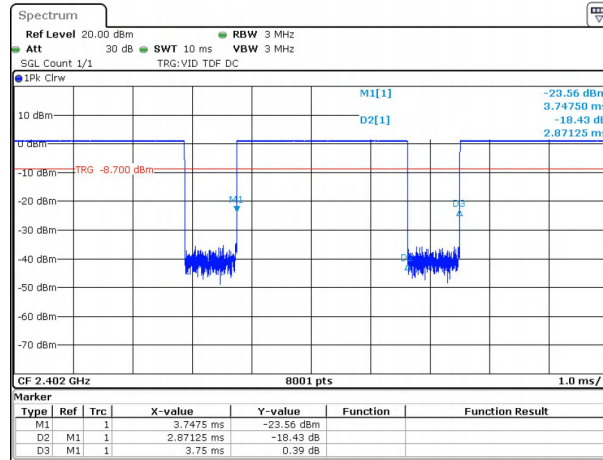
Appendix I: Duty Cycle

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	DH5	2402	1Mbps	ANT1	2.87	3.75	0.77	76.57
2	NTNV	DH5	2441	1Mbps	ANT1	2.87	3.75	0.77	76.53
3	NTNV	DH5	2480	1Mbps	ANT1	2.87	3.75	0.77	76.57
4	NTNV	2DH5	2402	2Mbps	ANT1	2.88	3.75	0.77	76.87
5	NTNV	2DH5	2441	2Mbps	ANT1	2.88	3.75	0.77	76.87
6	NTNV	2DH5	2480	2Mbps	ANT1	2.88	3.75	0.77	76.87

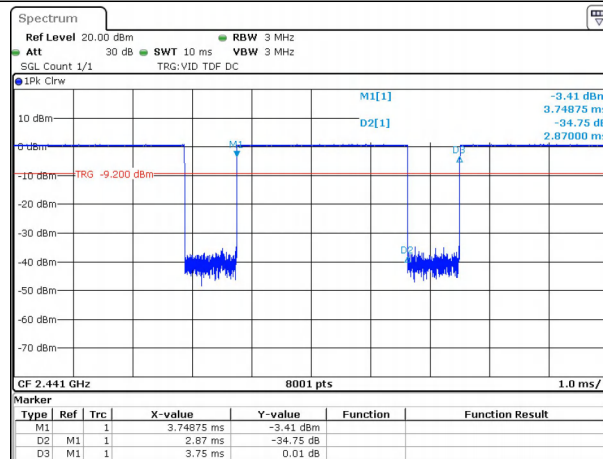
Test Graphs

NTNV_DH5_2402_1Mbps



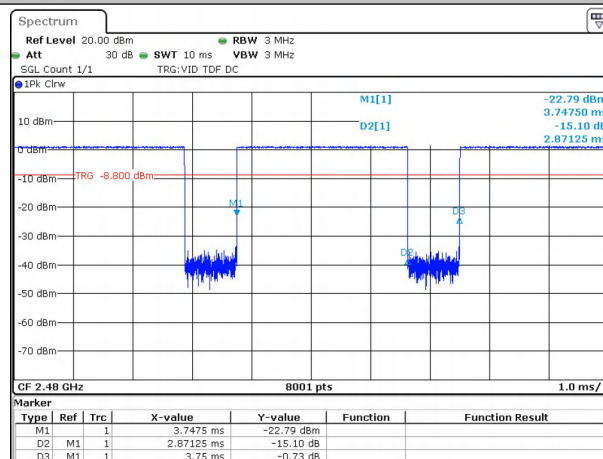
Date: 26 AUG 2026 11:11:37

NTNV_DH5_2441_1Mbps



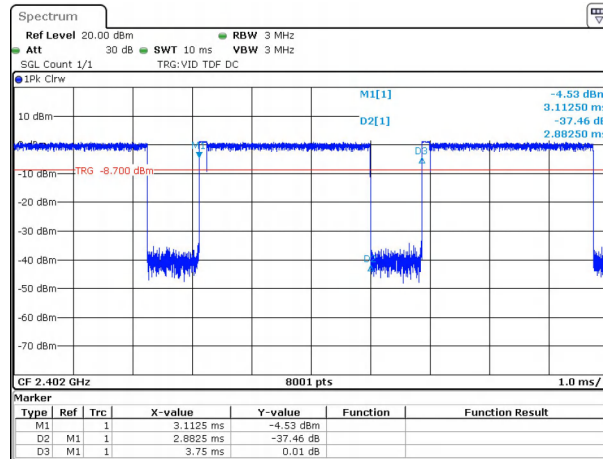
Date: 26 AUG 2026 11:15:23

NTNV_DH5_2480_1Mbps



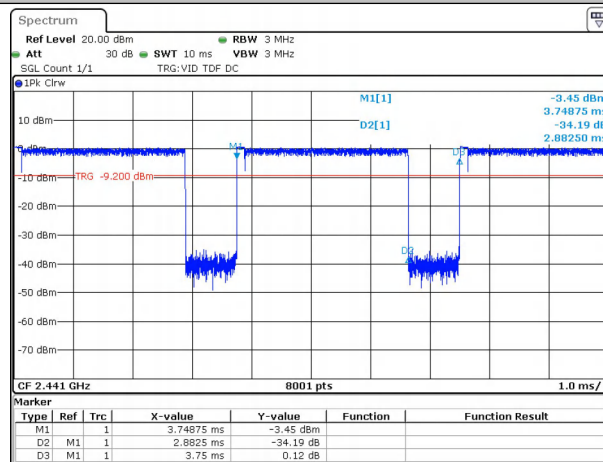
Date: 26 AUG 2026 11:17:15

NTNV_2DH5_2402_2Mbps



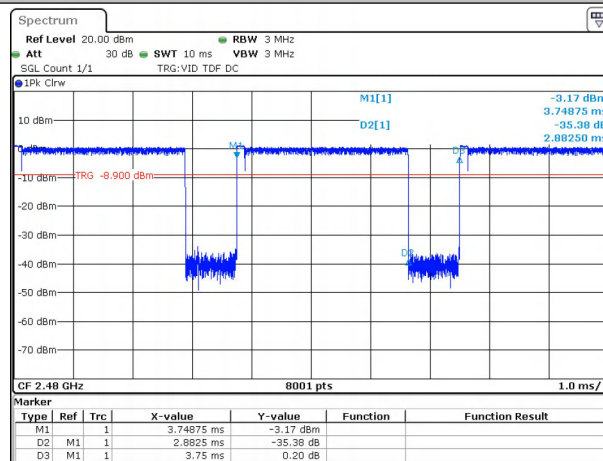
Date: 26.AUG.2026 11:19:09

NTNV_2DH5_2441_2Mbps



Date: 26.AUG.2026 11:21:02

NTNV_2DH5_2480_2Mbps



Date: 26.AUG.2026 11:23:08