



CQASZ20260801896E-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

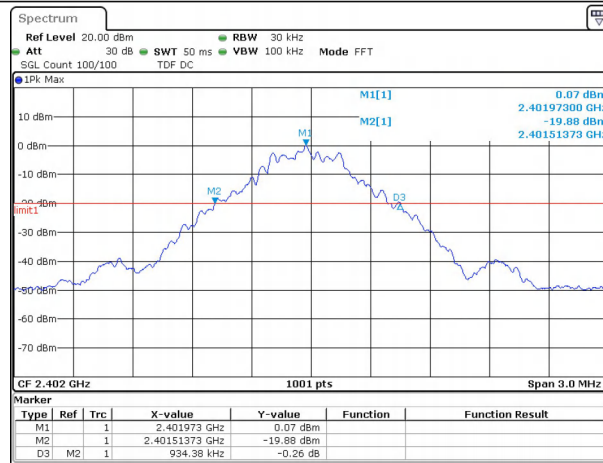
Appendix A: 20dB Emission Bandwidth

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	0.93	2401.51	2402.45	-	-
2	NTNV	DH5	2441	1Mbps	ANT1	0.94	2440.51	2441.45	-	-
3	NTNV	DH5	2480	1Mbps	ANT1	0.94	2479.51	2480.45	-	-
4	NTNV	2DH5	2402	2Mbps	ANT1	1.18	2401.38	2402.55	-	-
5	NTNV	2DH5	2441	2Mbps	ANT1	1.18	2440.38	2441.55	-	-
6	NTNV	2DH5	2480	2Mbps	ANT1	1.18	2479.37	2480.55	-	-

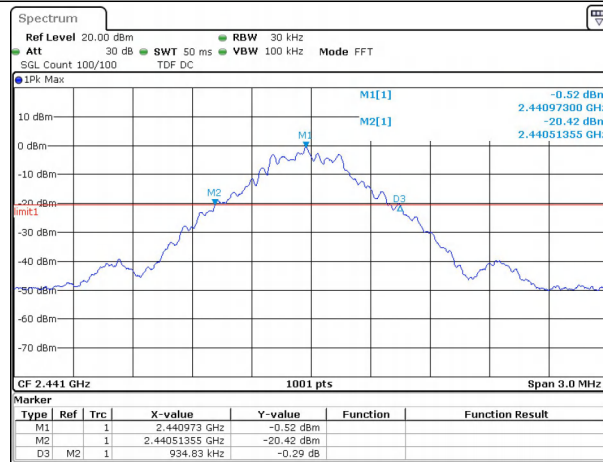
Test Graphs

NTNV_DH5_2402_1Mbps



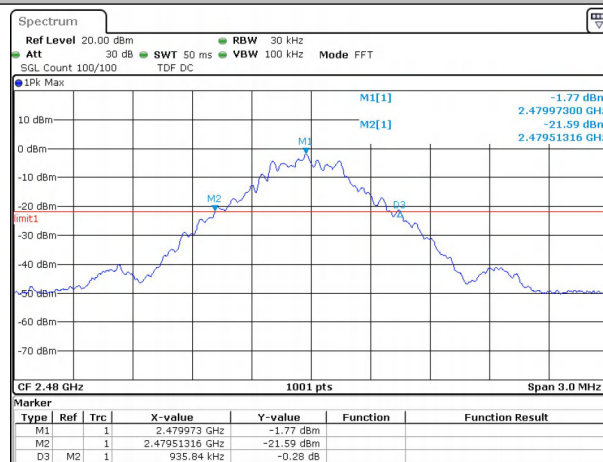
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NTNV_DH5_2441_1Mbps



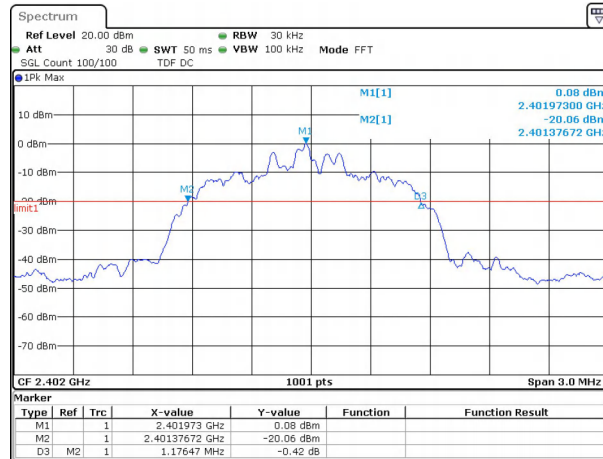
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NTNV_DH5_2480_1Mbps



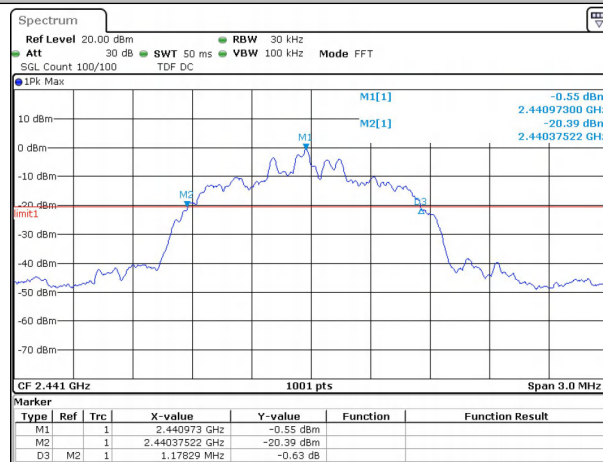
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NTNV_2DH5_2402_2Mbps



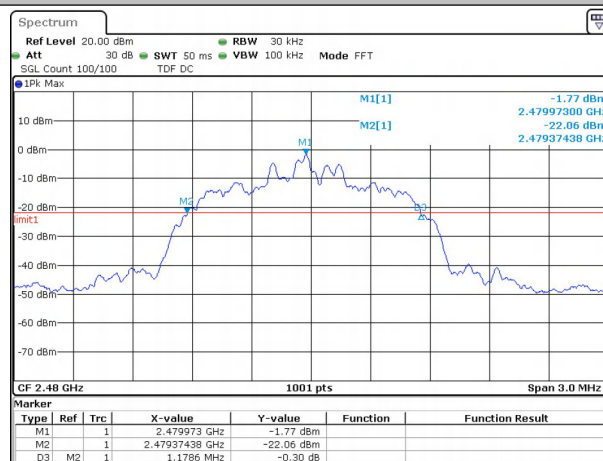
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NTNV_2DH5_2441_2Mbps



Date: 4 SEP.2026 10:26:58

NTNV_2DH5_2480_2Mbps



Date: 4 SEP.2026 10:28:36

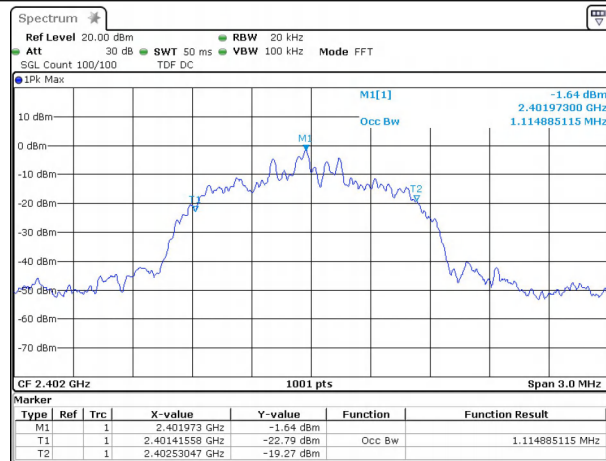
Appendix B: Occupied Channel Bandwidth

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	0.85	-	2401.54	2402.39	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	0.85	-	2440.54	2441.39	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	0.85	-	2479.54	2480.39	Pass
4	NTNV	2DH5	2402	2Mbps	ANT1	1.11	-	2401.42	2402.53	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	1.12	-	2440.41	2441.53	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	1.12	-	2479.41	2480.53	Pass

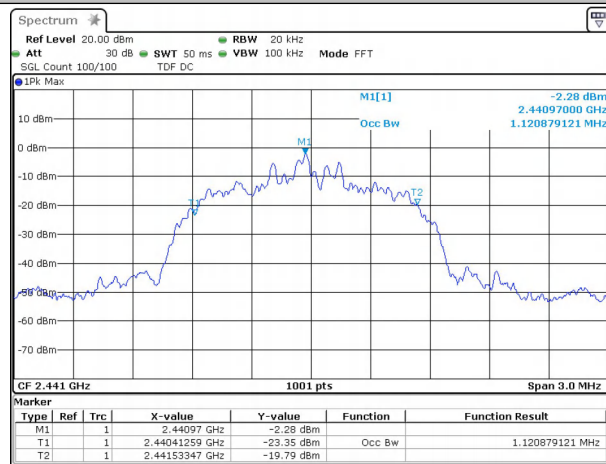
Test Graphs





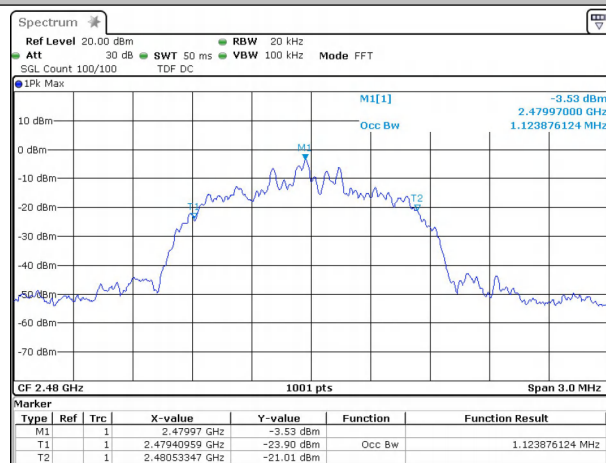
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NTNV_2DH5_2441_2Mbps



Date: 4 SEP.2026 10:26:26

NTNV_2DH5_2480_2Mbps



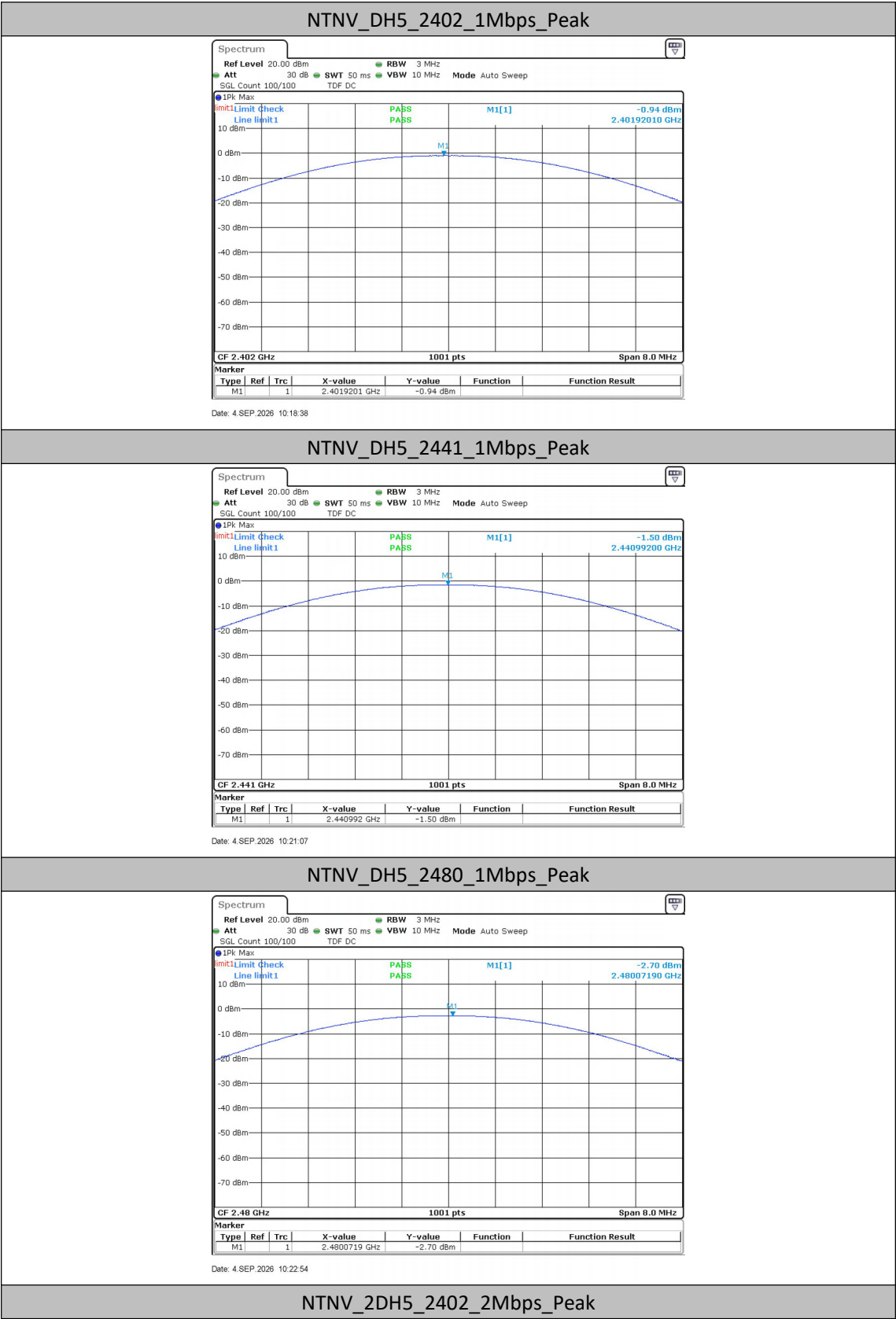
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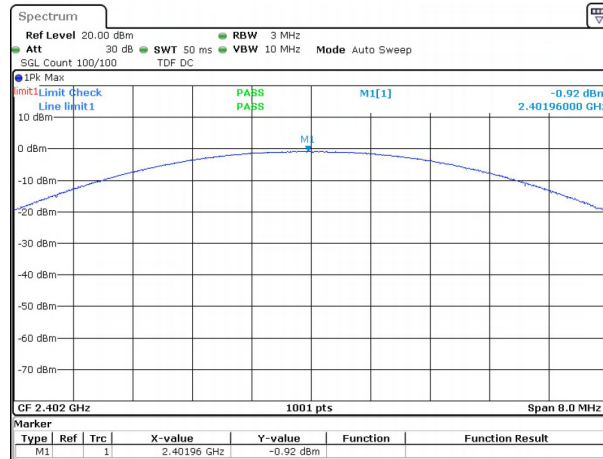
Appendix C: Maximum conducted output power

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	-0.94	≤ 30	Pass
2	NTNV	DH5	2441	Peak	ANT1	-1.50	≤ 30	Pass
3	NTNV	DH5	2480	Peak	ANT1	-2.70	≤ 30	Pass
4	NTNV	2DH5	2402	Peak	ANT1	-0.92	≤ 30	Pass
5	NTNV	2DH5	2441	Peak	ANT1	-1.52	≤ 30	Pass
6	NTNV	2DH5	2480	Peak	ANT1	-2.78	≤ 30	Pass

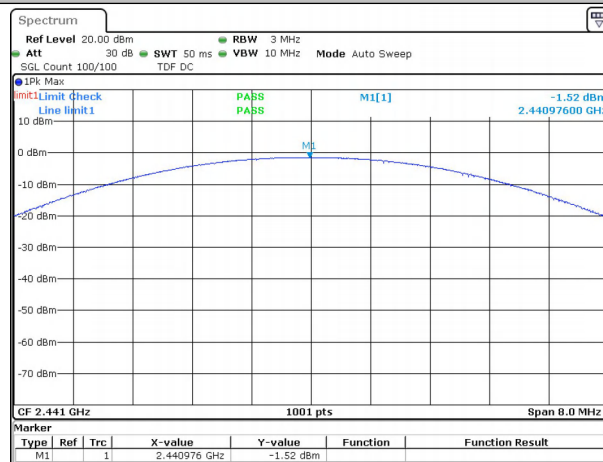
Test Graphs





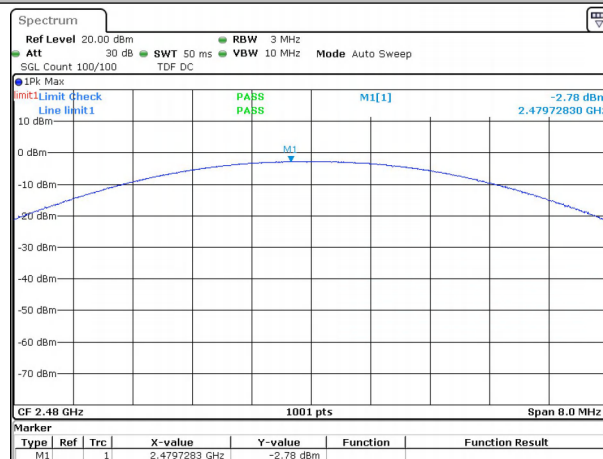
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NTNV_2DH5_2441_2Mbps_Peak



Date: 4 SEP.2026 10:26:45

NTNV_2DH5_2480_2Mbps_Peak



Date: 4 SEP.2026 10:28:23

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	0.99	≥ 0.79	Pass

Test Graphs

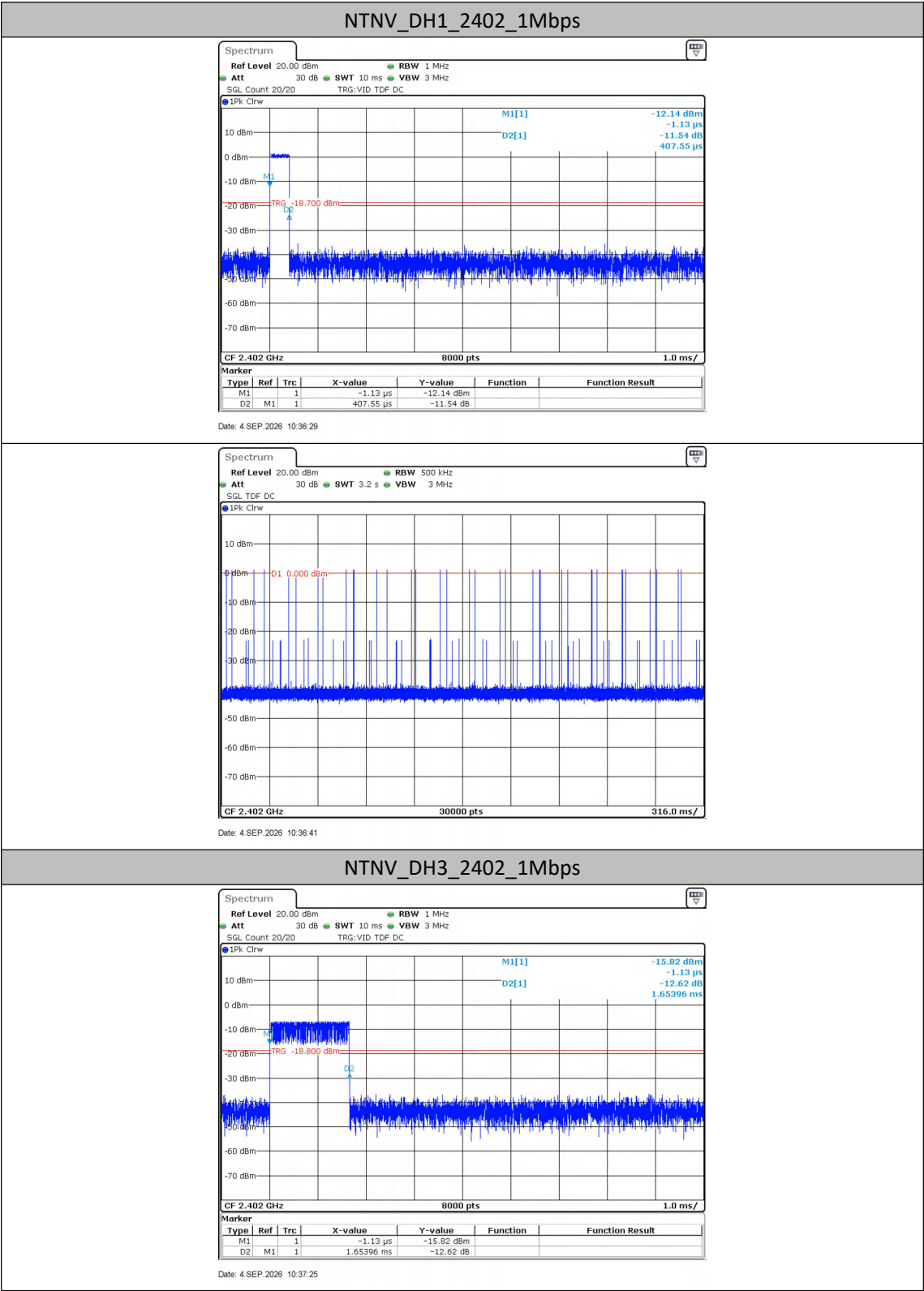


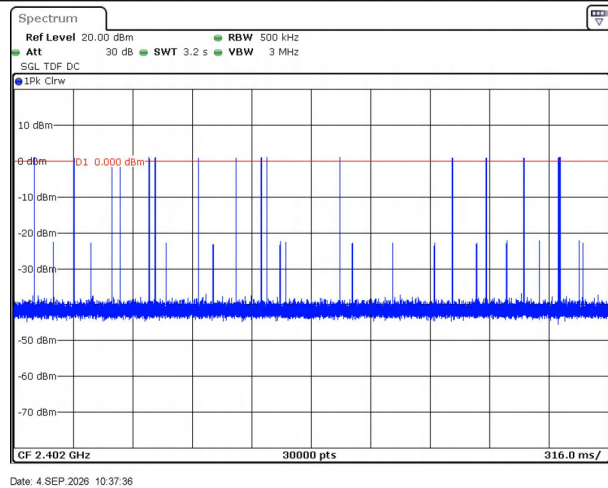
Appendix E: Time of occupancy

Test Result

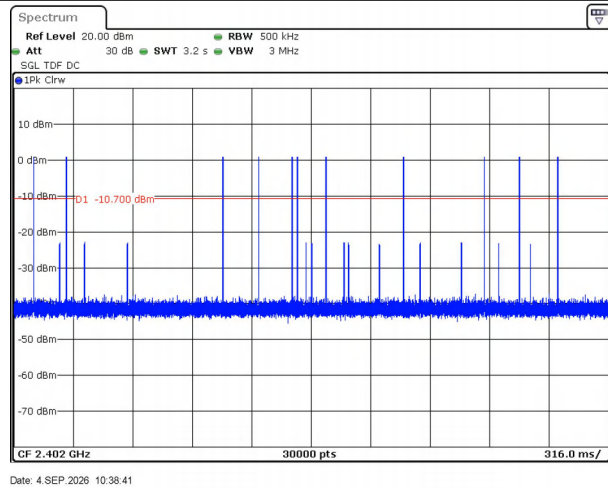
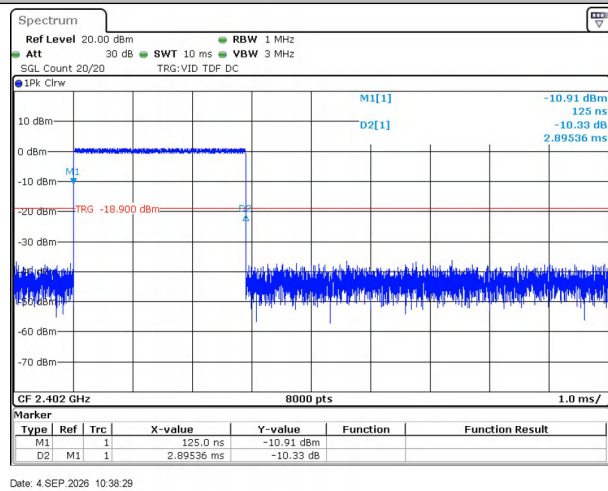
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Burst Width (ms)	Total Hops	Dwell Time (s)	Limit (s)	Verdict
1	NTNV	DH1 FHSS	2402	1Mbps	ANT1	0.41	32	0.13	≤0.4	Pass
2	NTNV	DH3 FHSS	2402	1Mbps	ANT1	1.65	16	0.27	≤0.4	Pass
3	NTNV	DH5 FHSS	2402	1Mbps	ANT1	2.90	12	0.35	≤0.4	Pass
4	NTNV	2DH1 FHSS	2402	2Mbps	ANT1	0.42	31	0.13	≤0.4	Pass
5	NTNV	2DH3 FHSS	2402	2Mbps	ANT1	1.66	15	0.25	≤0.4	Pass
6	NTNV	2DH5 FHSS	2402	2Mbps	ANT1	2.90	9	0.26	≤0.4	Pass

Test Graphs

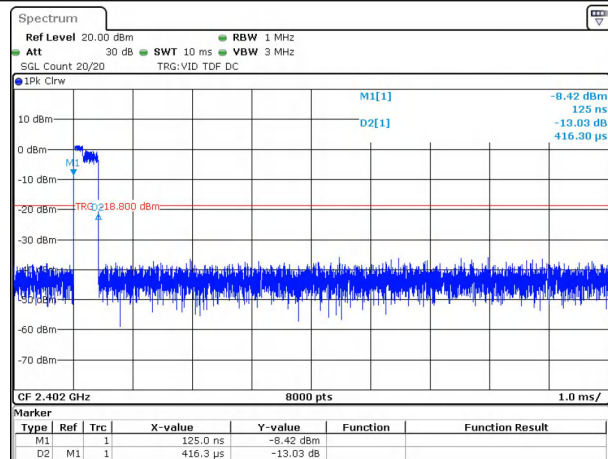




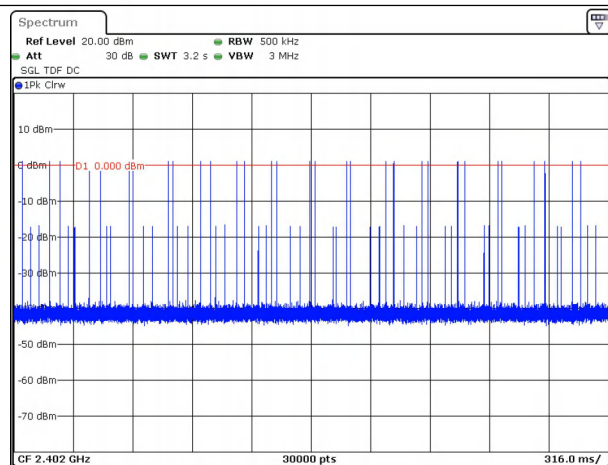
NTNV_DH5_2402_1Mbps



NTNV_2DH1_2402_2Mbps

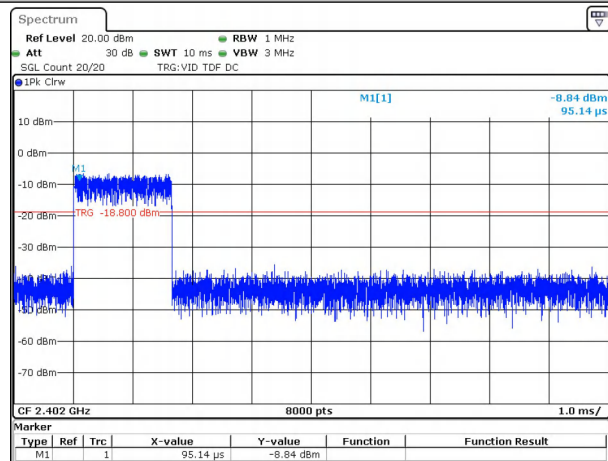


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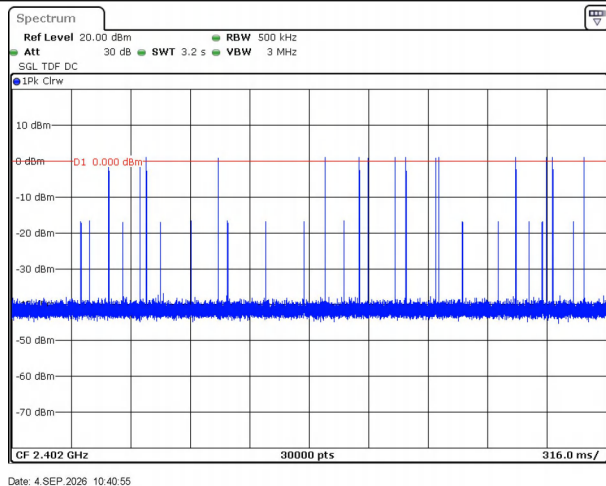


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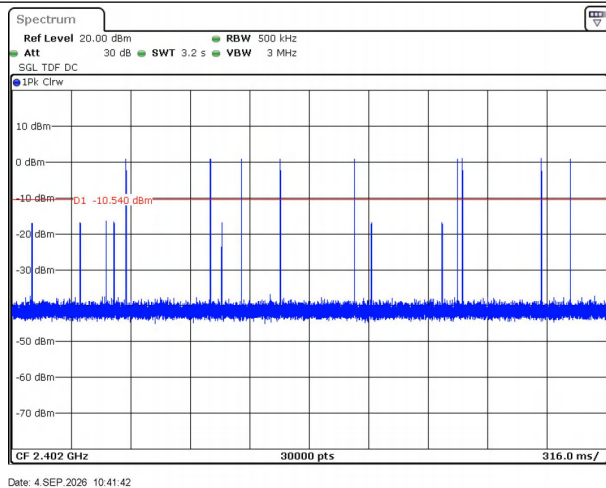
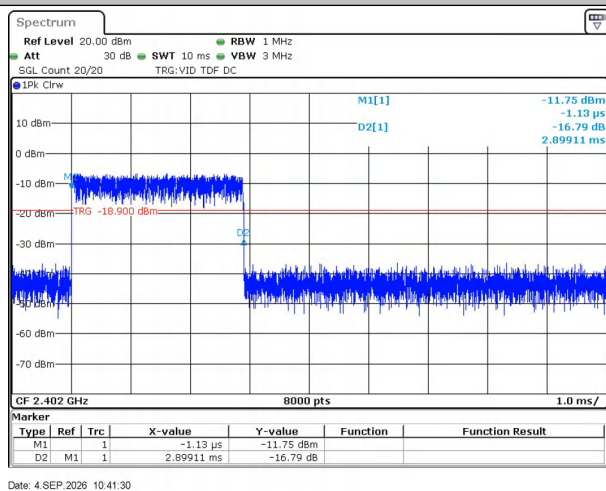
NTNV_2DH3_2402_2Mbps



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NTNV_2DH5_2402_2Mbps

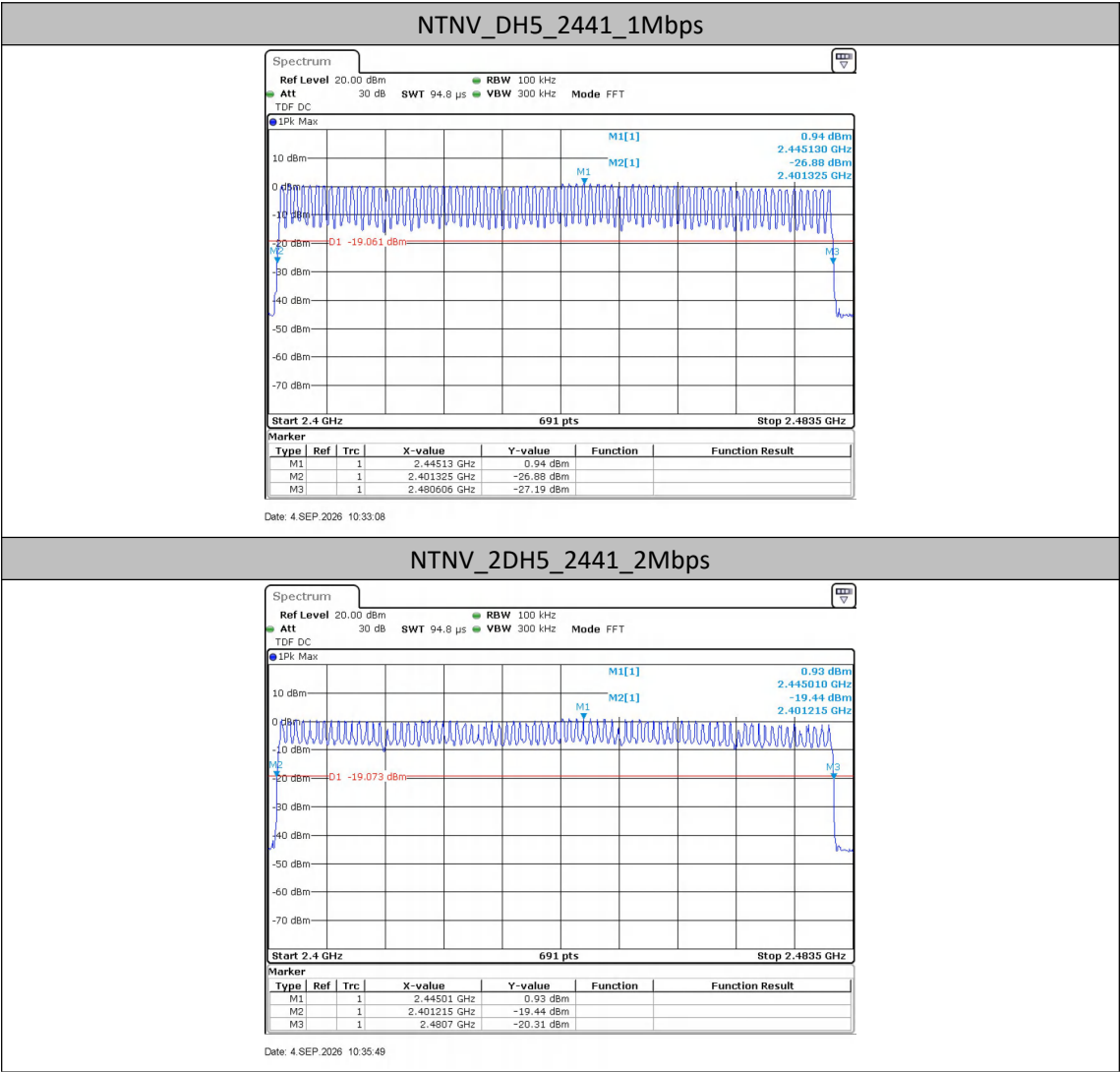


Appendix F: Number of hopping channels

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

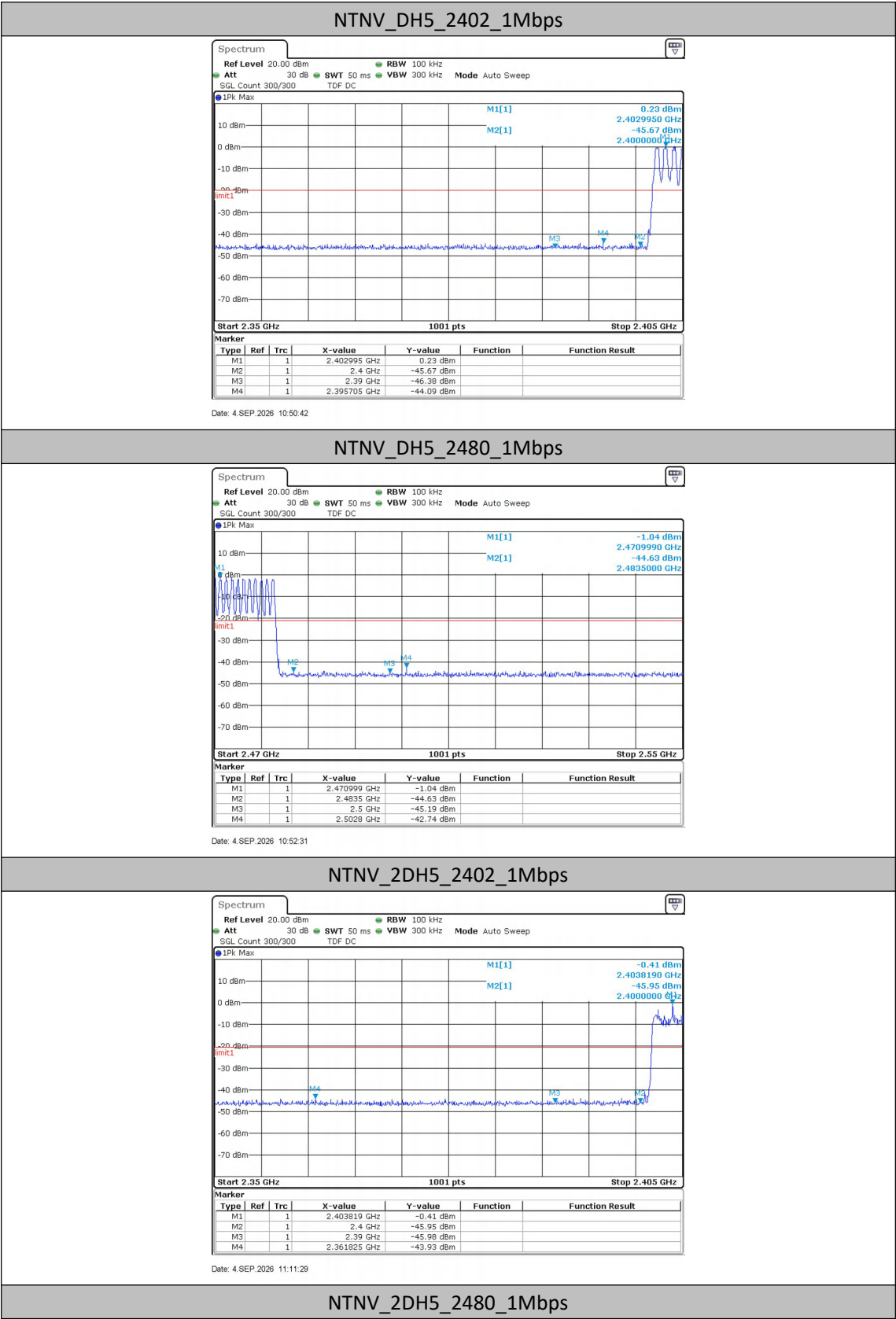


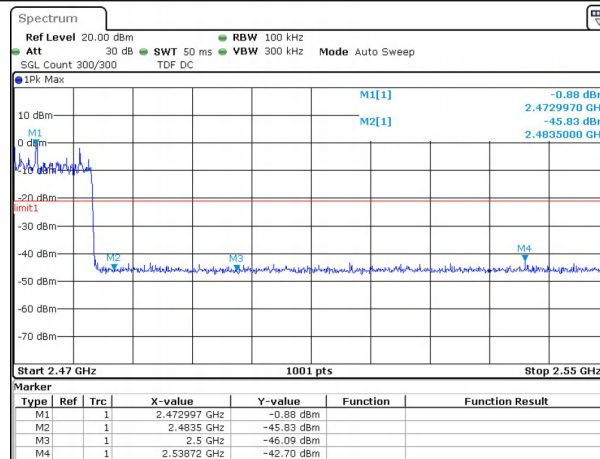
Appendix G: Band edge measurements

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	0.23	-44.09	≤ -19.77	Pass
6	NTNV	DH5 FHSS	2480	1Mbps	ANT1	-1.04	-42.74	≤ -21.04	Pass
7	NTNV	2DH5 FHSS	2402	1Mbps	ANT1	-0.41	-43.93	≤ -20.41	Pass
8	NTNV	2DH5 FHSS	2480	1Mbps	ANT1	-0.88	-42.70	≤ -20.88	Pass
1	NTNV	DH5	2402	1Mbps	ANT1	0.07	-45.32	≤ -19.93	Pass
2	NTNV	DH5	2480	1Mbps	ANT1	-1.25	-44.82	≤ -21.25	Pass
3	NTNV	2DH5	2402	2Mbps	ANT1	-3.97	-45.12	≤ -23.97	Pass
4	NTNV	2DH5	2480	2Mbps	ANT1	-2.27	-43.71	≤ -22.27	Pass

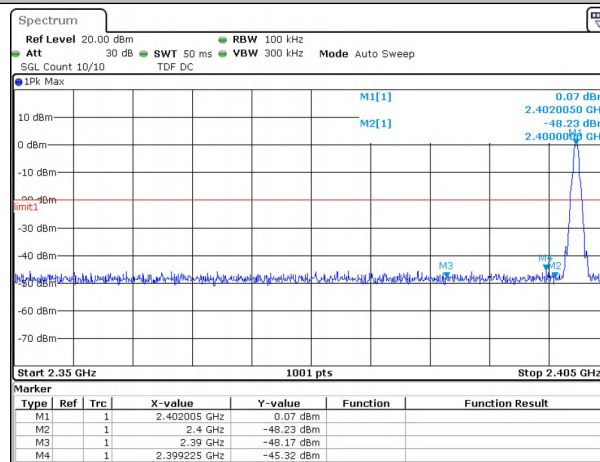
Test Graphs





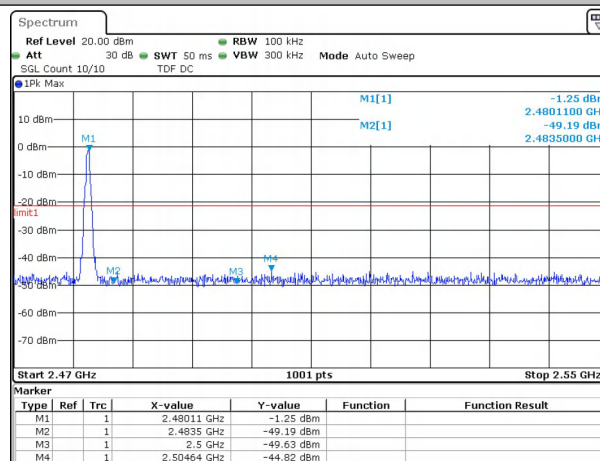
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NTNV_DH5_2402_1Mbps



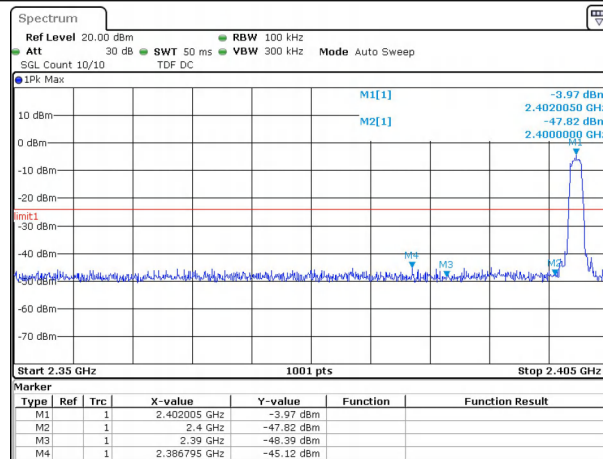
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NTNV_DH5_2480_1Mbps



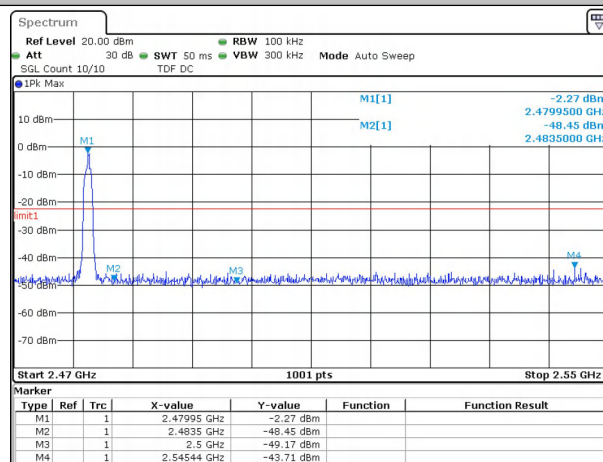
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NTNV_2DH5_2402_2Mbps



Date: 4 SEP.2026 10:25:12

NTNV_2DH5_2480_2Mbps



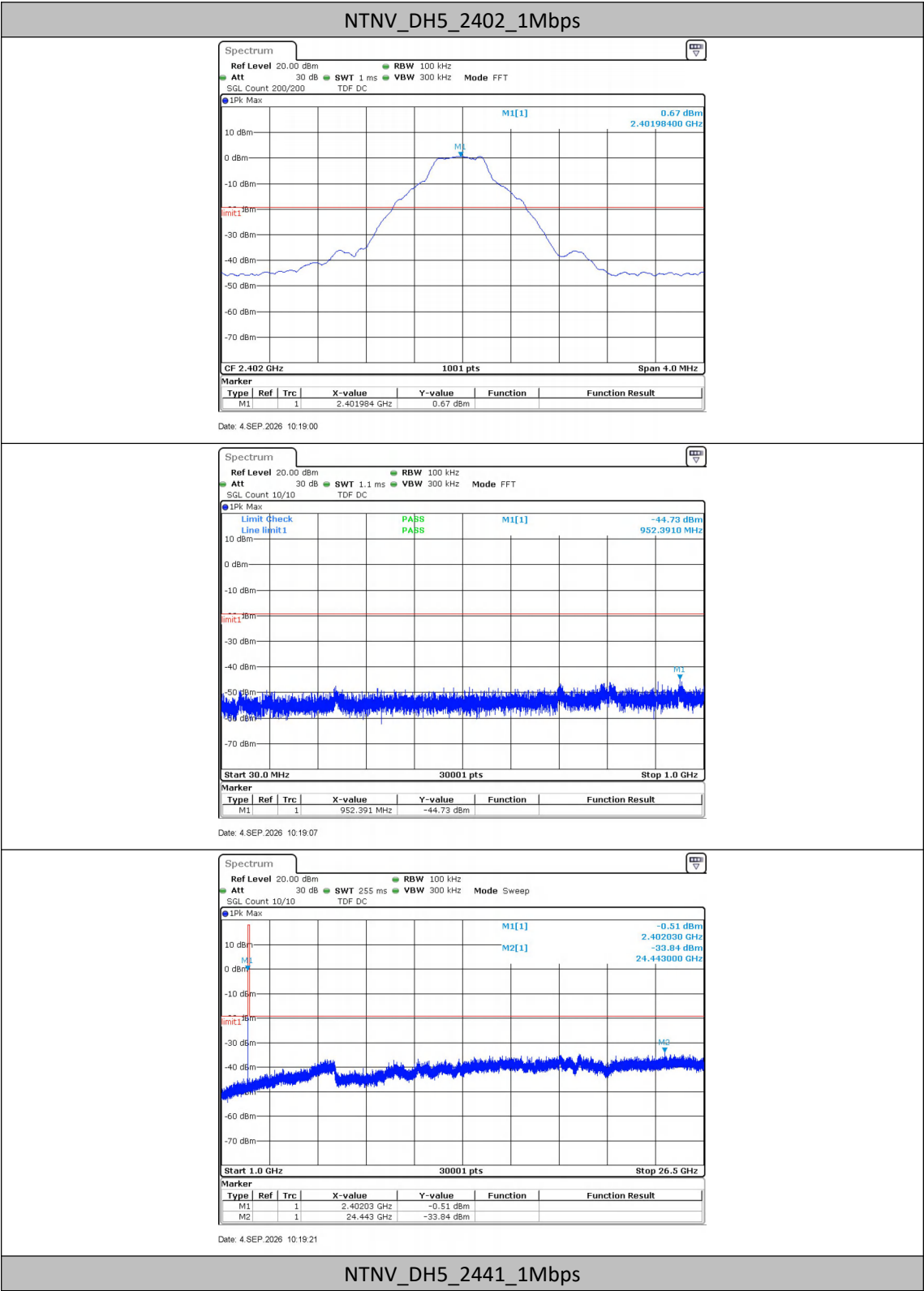
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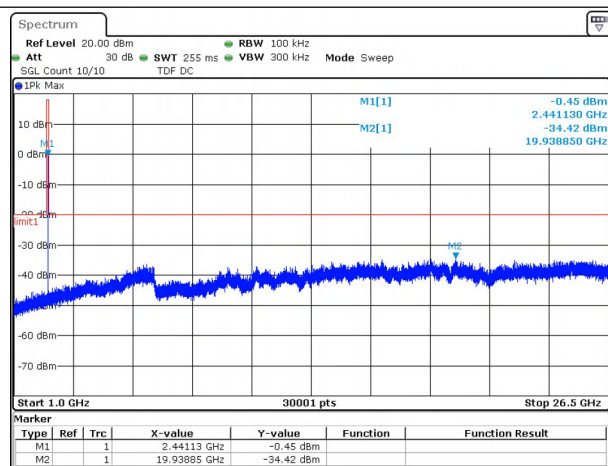
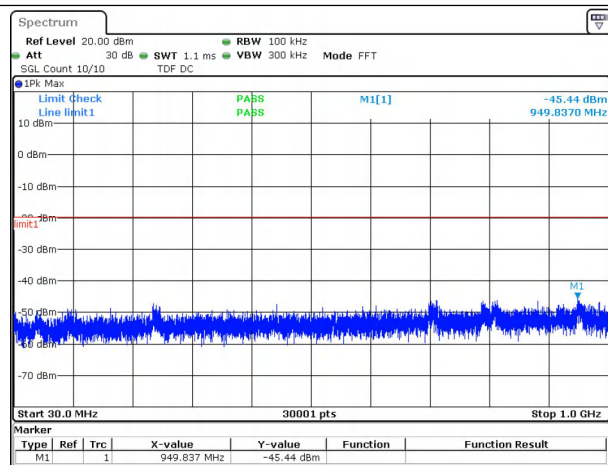
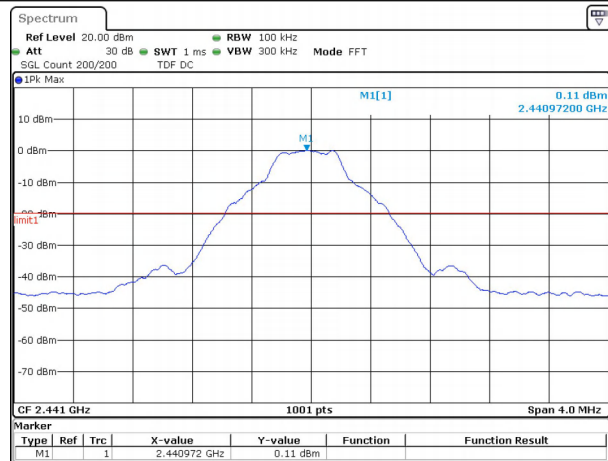
Appendix H: Conducted Spurious Emission

Test Result

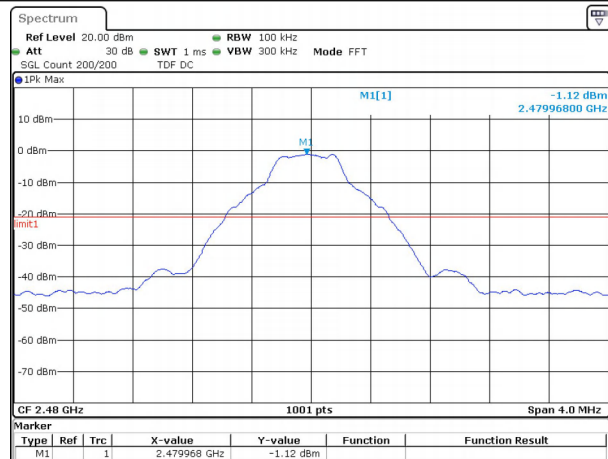
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	Reference	0.1	0.67	/	/
						30~1000	0.1	-44.73	≤-19.33	Pass
						1000~26500	0.1	-33.84	≤-19.33	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	Reference	0.1	0.11	/	/
						30~1000	0.1	-45.44	≤-19.89	Pass
						1000~26500	0.1	-34.42	≤-19.89	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	Reference	0.1	-1.12	/	/
						30~1000	0.1	-45.50	≤-21.12	Pass
						1000~26500	0.1	-34.18	≤-21.12	Pass
4	NTNV	2DH5	2402	2Mbps	ANT1	Reference	0.1	0.69	/	/
						30~1000	0.1	-45.01	≤-19.31	Pass
						1000~26500	0.1	-34.46	≤-19.31	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	Reference	0.1	0.11	/	/
						30~1000	0.1	-45.19	≤-19.89	Pass
						1000~26500	0.1	-34.35	≤-19.89	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	Reference	0.1	-1.15	/	/
						30~1000	0.1	-45.54	≤-21.15	Pass
						1000~26500	0.1	-33.90	≤-21.15	Pass

Test Graphs

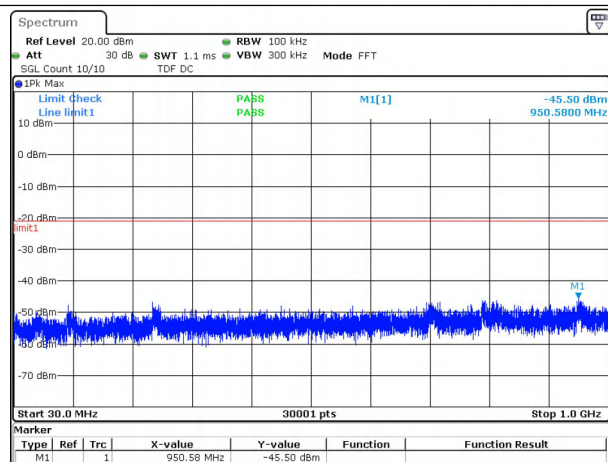




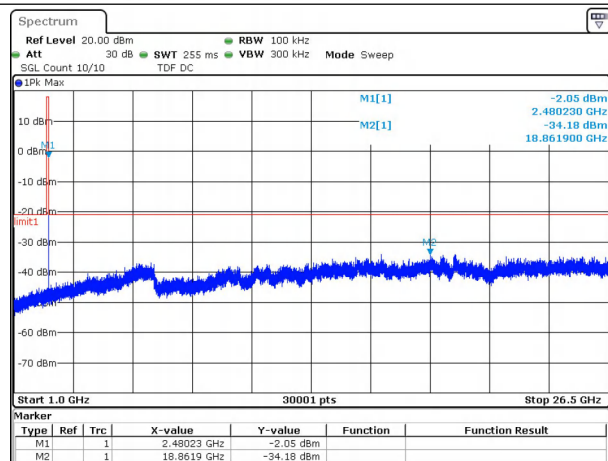
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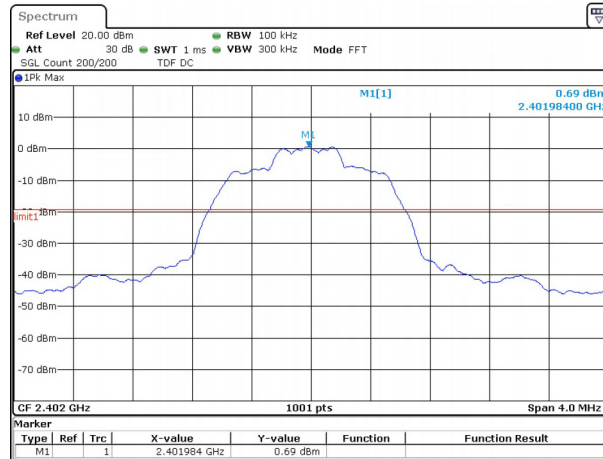


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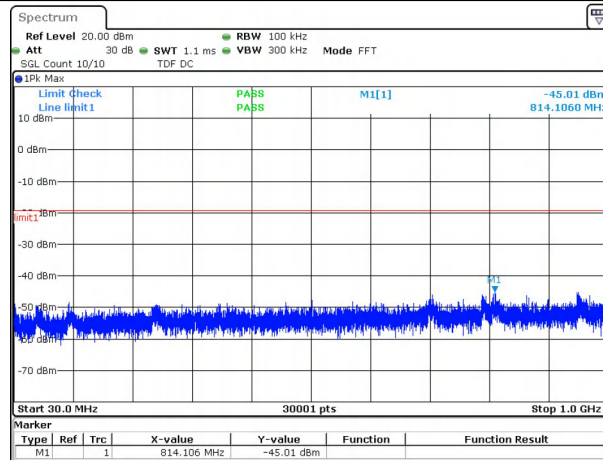


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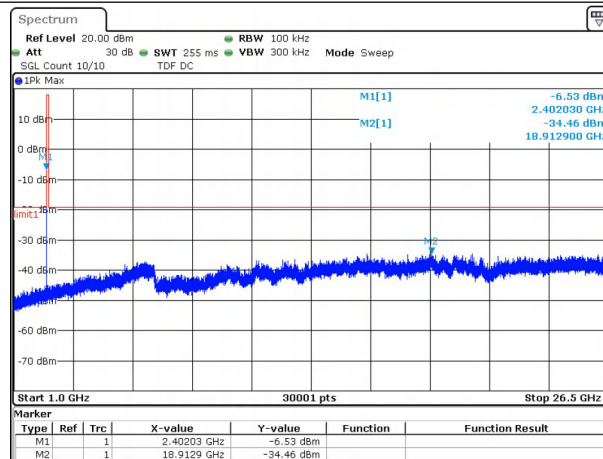
NTNV_2DH5_2402_2Mbps



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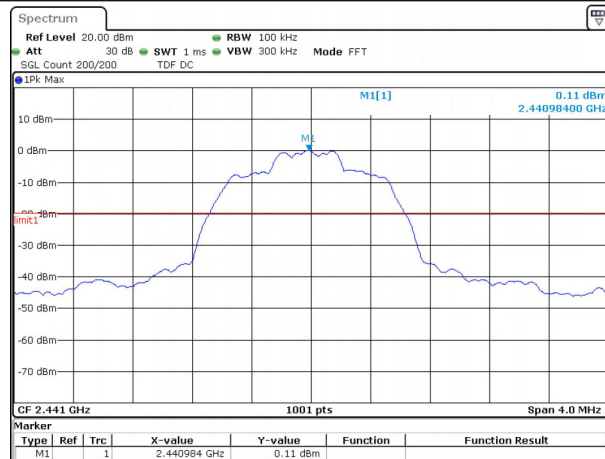


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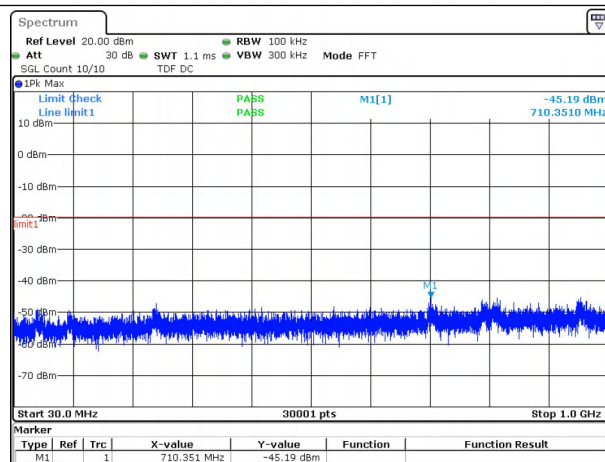


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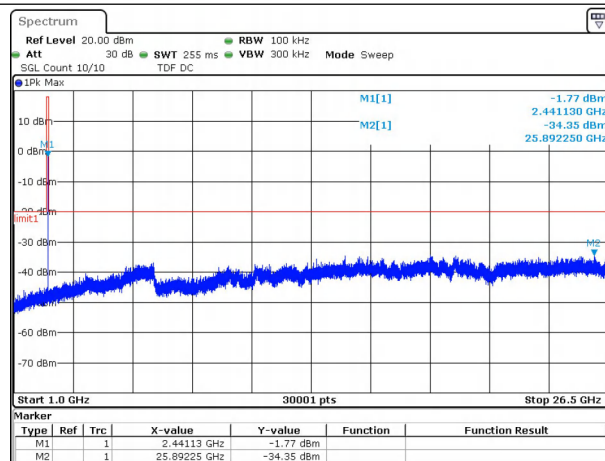
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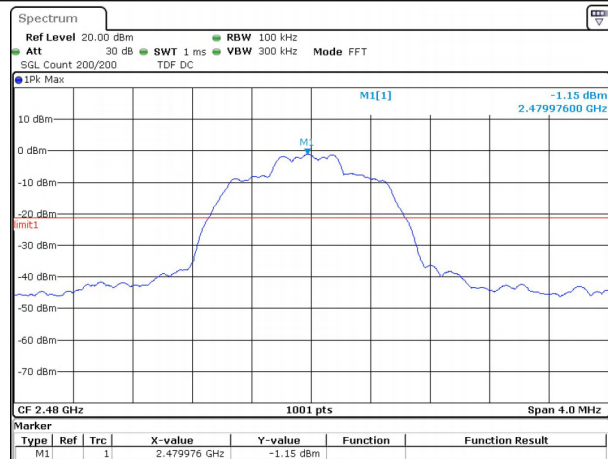


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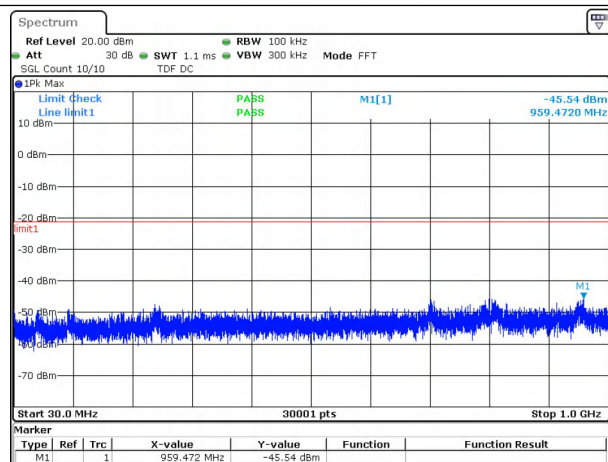


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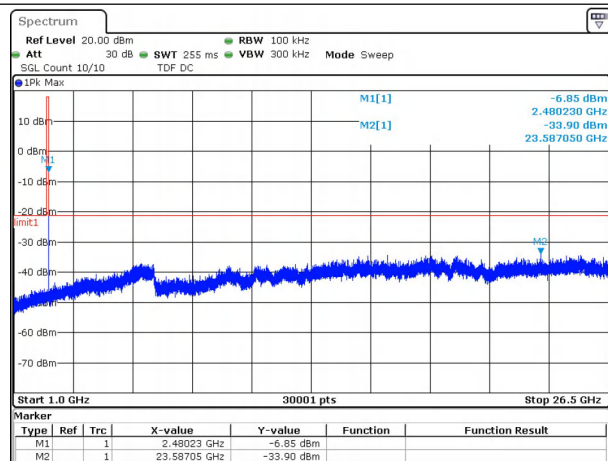
NTNV_2DH5_2480_2Mbps



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Date: 4 SEP.2026 10:28:52



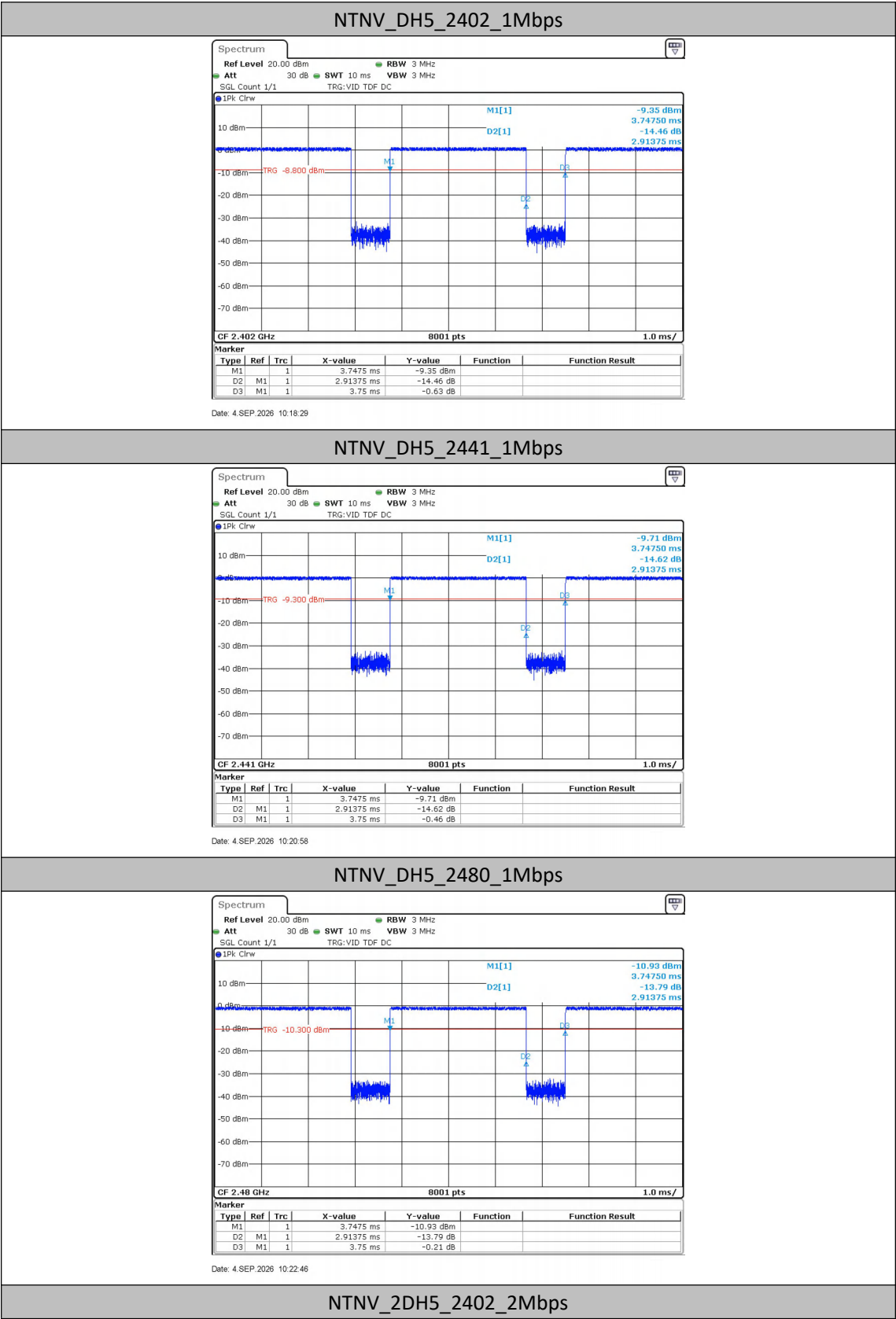
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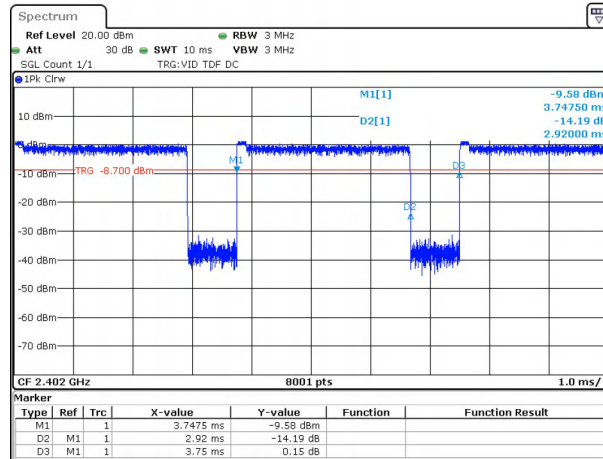
Appendix J: Duty Cycle

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	2.91	3.75	0.78	77.70
2	NTNV	DH5	2441	1Mbps	ANT1	2.91	3.75	0.78	77.70
3	NTNV	DH5	2480	1Mbps	ANT1	2.91	3.75	0.78	77.70
4	NTNV	2DH5	2402	2Mbps	ANT1	2.92	3.75	0.78	77.87
5	NTNV	2DH5	2441	2Mbps	ANT1	2.92	3.75	0.78	77.87
6	NTNV	2DH5	2480	2Mbps	ANT1	2.92	3.75	0.78	77.83

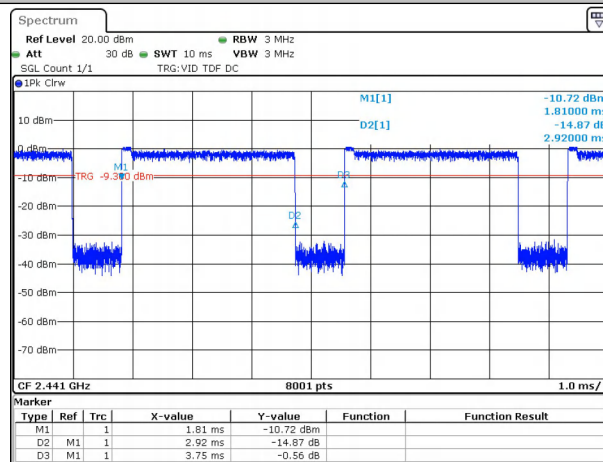
Test Graphs





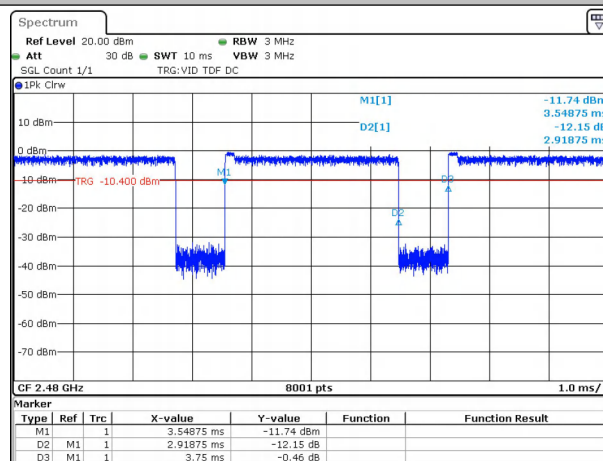
Date: 4 SEP.2026 10:24:46

NTNV_2DH5_2441_2Mbps



Date: 4 SEP.2026 10:26:36

NTNV_2DH5_2480_2Mbps



Date: 4 SEP.2026 10:28:14