



CQASZ20260701627E-01

Summary

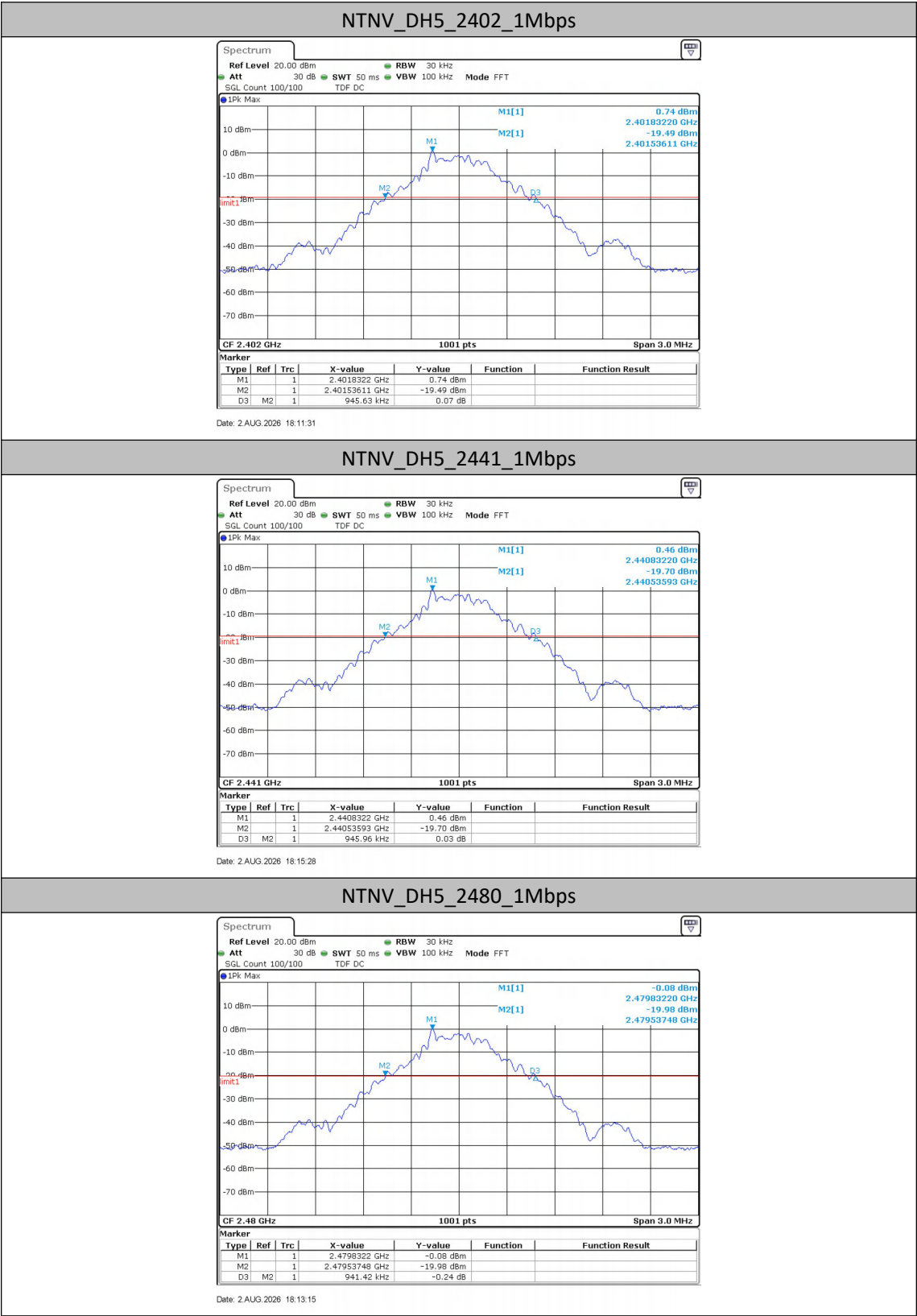
NO.	Item	Verdict
1	20dB Emission Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Carrier frequency separation	Pass
5	Time of occupancy	Pass
6	Number of hopping channels	Pass
7	Band edge measurements	Pass
8	Conducted Spurious Emission	Pass
9	Emissions in Restricted Bands	Pass
10	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	0.94	2479.54	2480.48	-	-

Test Graphs

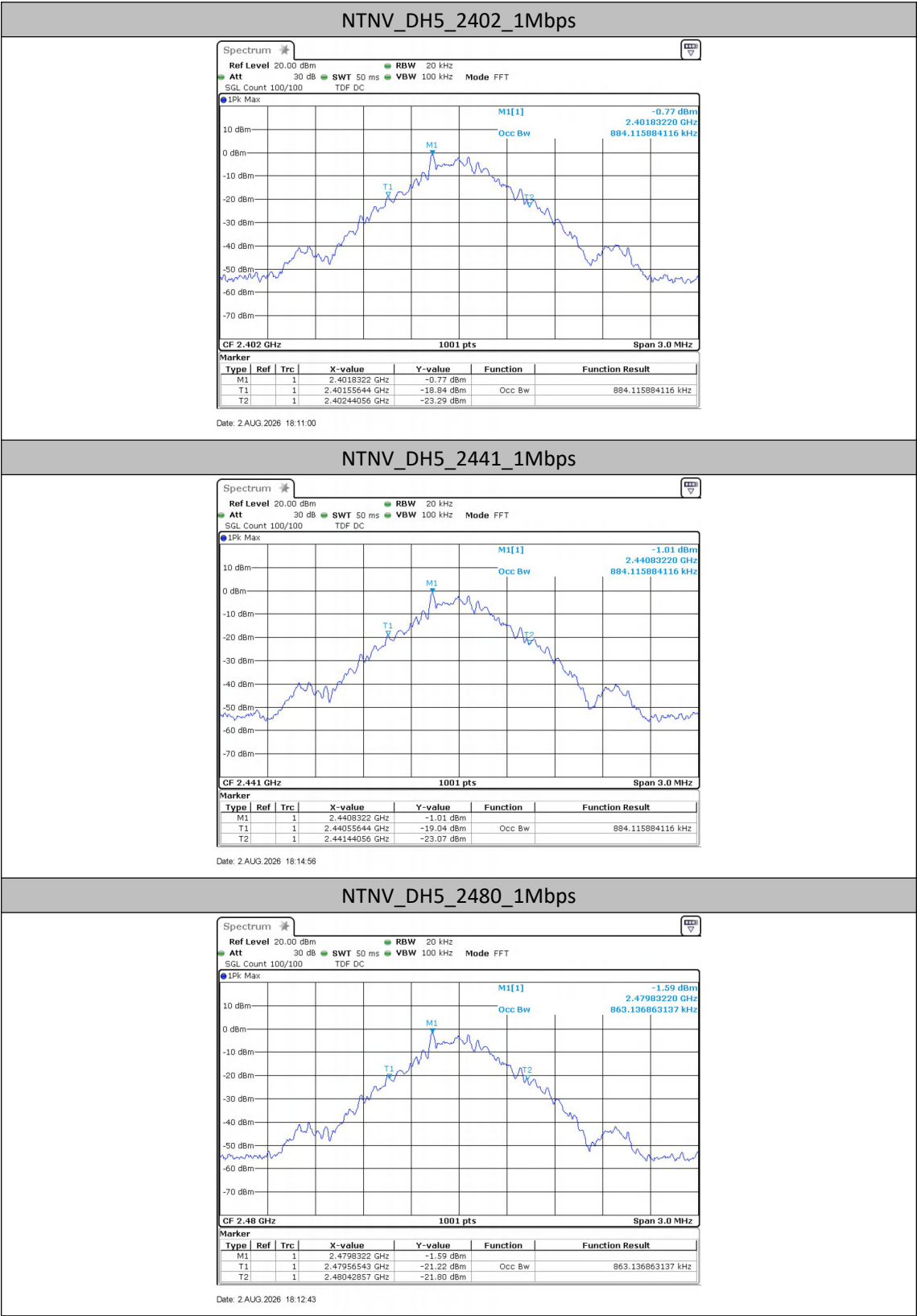


Appendix B: Occupied Channel Bandwidth

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	0.88	-	2440.56	2441.44	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	0.86	-	2479.57	2480.43	Pass

Test Graphs



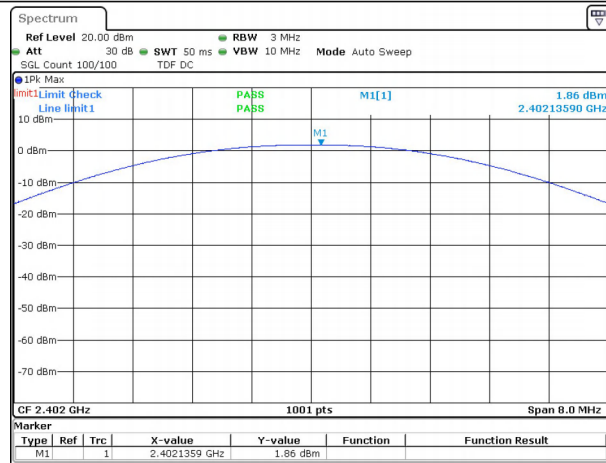
Appendix C: Maximum conducted output power

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	1.86	≤ 30	Pass
2	NTNV	DH5	2441	Peak	ANT1	1.61	≤ 30	Pass
3	NTNV	DH5	2480	Peak	ANT1	1.13	≤ 30	Pass

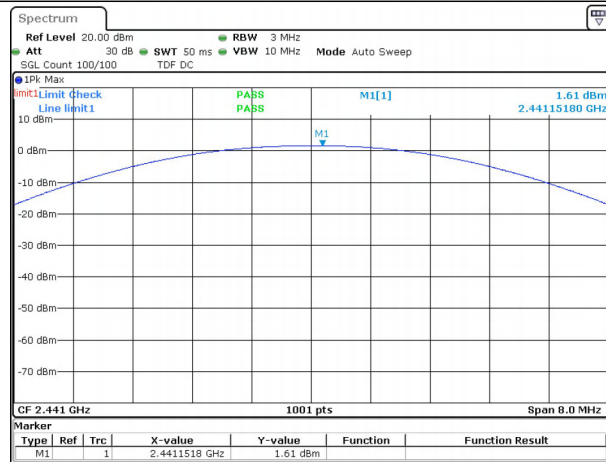
Test Graphs

NTNV_DH5_2402_1Mbps_Peak



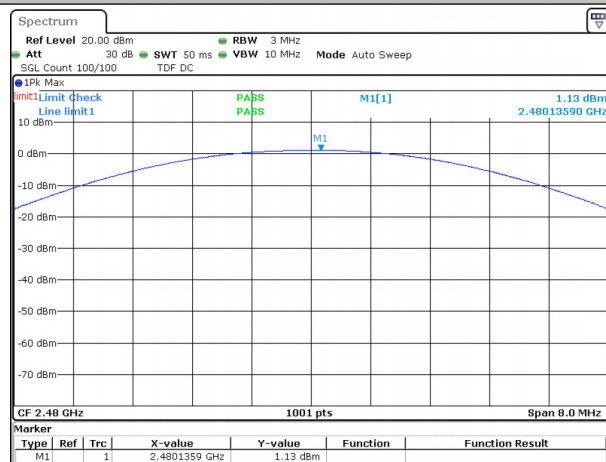
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NTNV_DH5_2441_1Mbps_Peak



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NTNV_DH5_2480_1Mbps_Peak



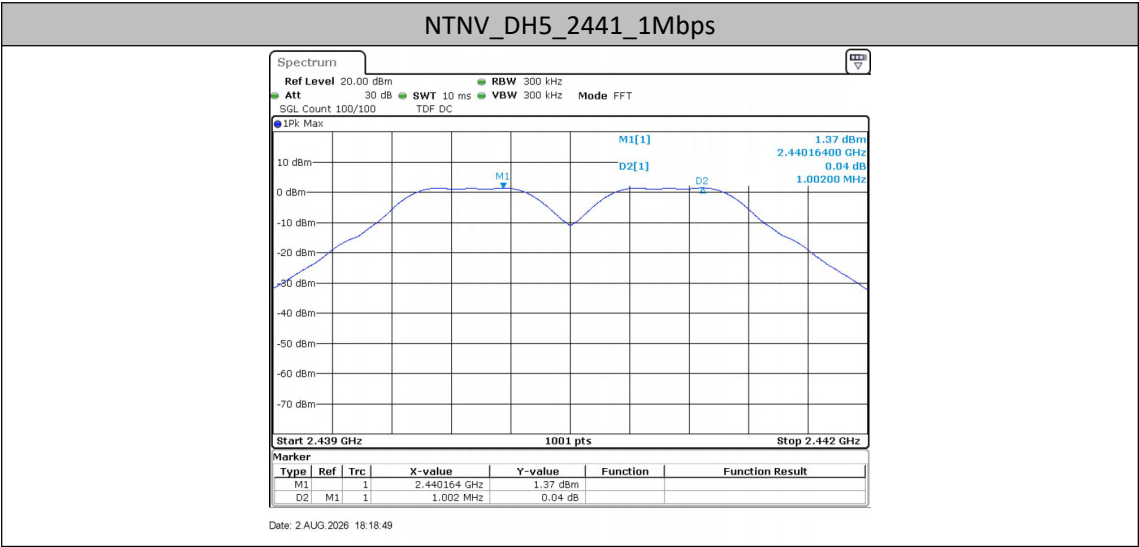
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Appendix D: Carrier frequency separation

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

Test Graphs

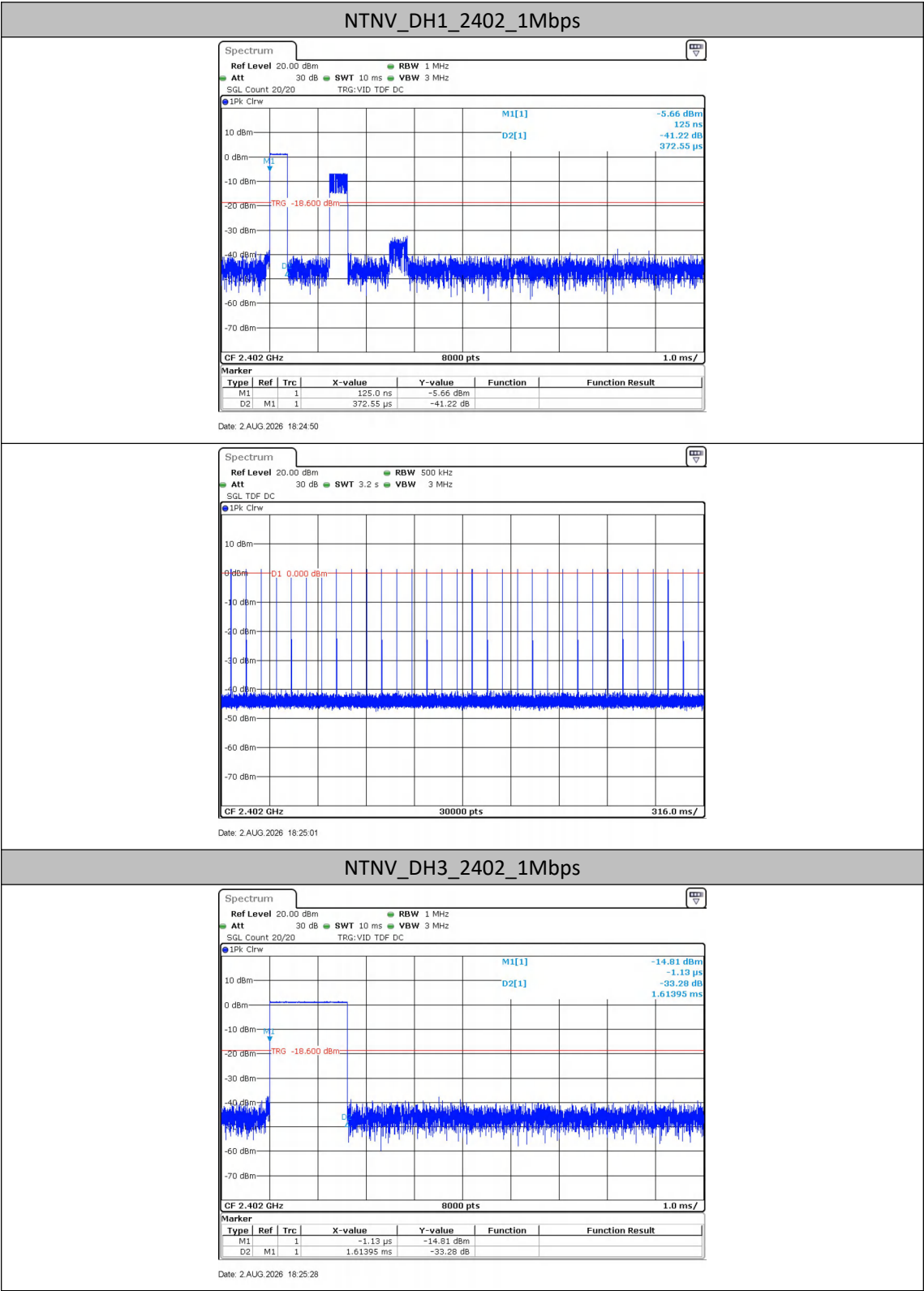


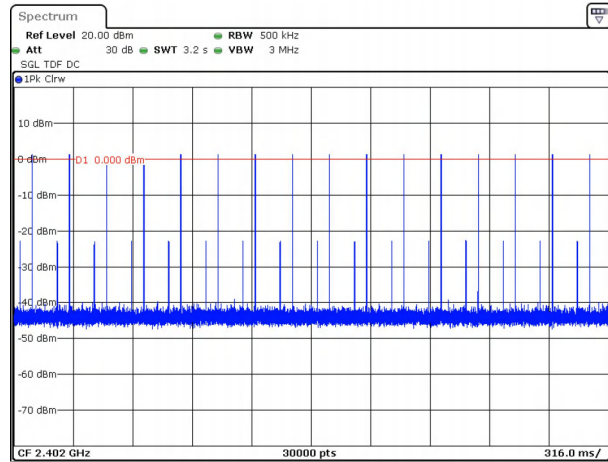
Appendix E: Time of occupancy

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

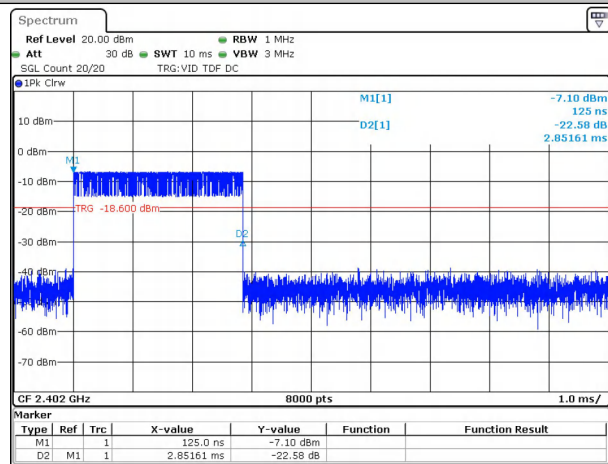
Test Graphs



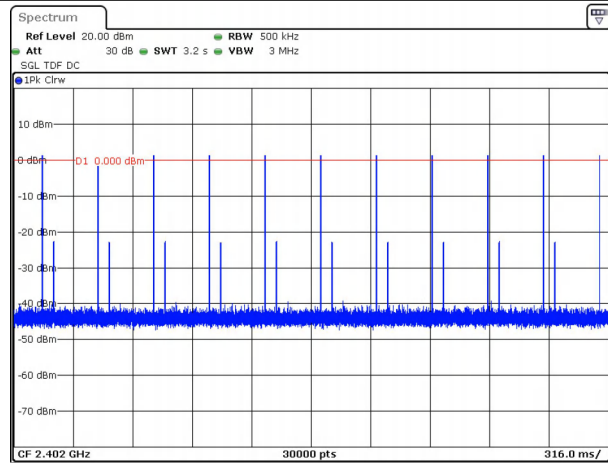


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NTNV_DH5_2402_1Mbps



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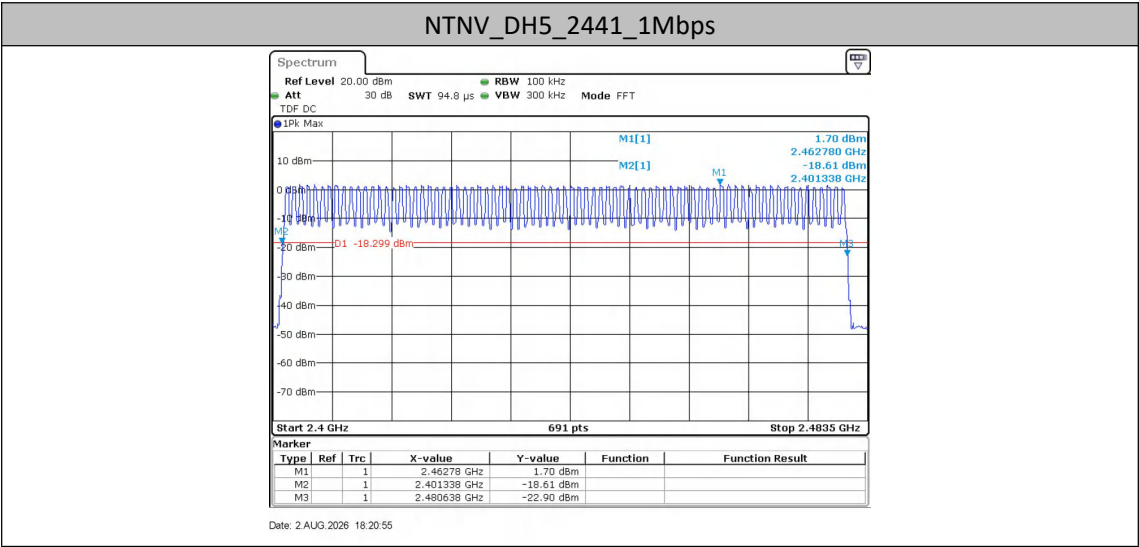
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Appendix F: Number of hopping channels

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

Test Graphs

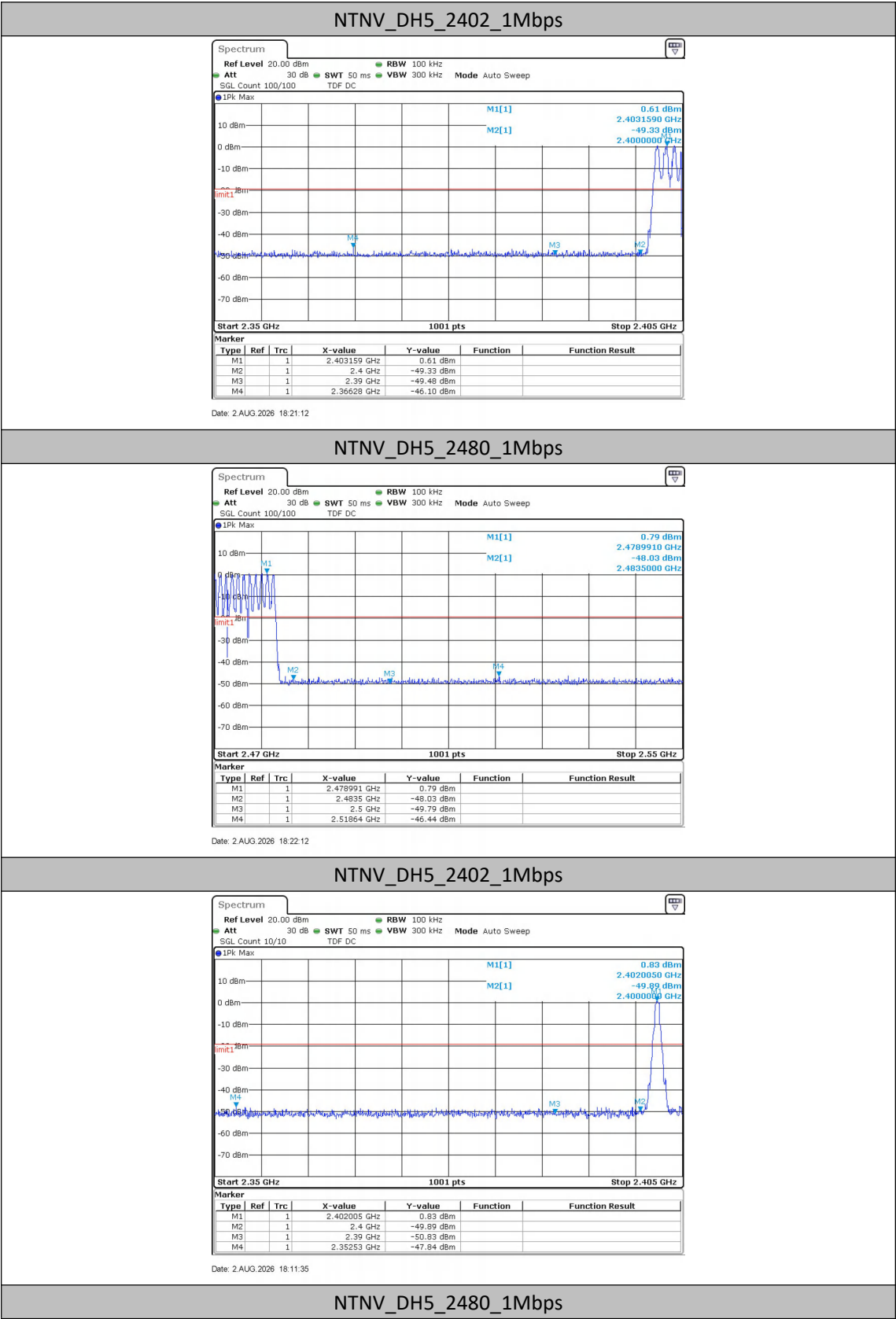


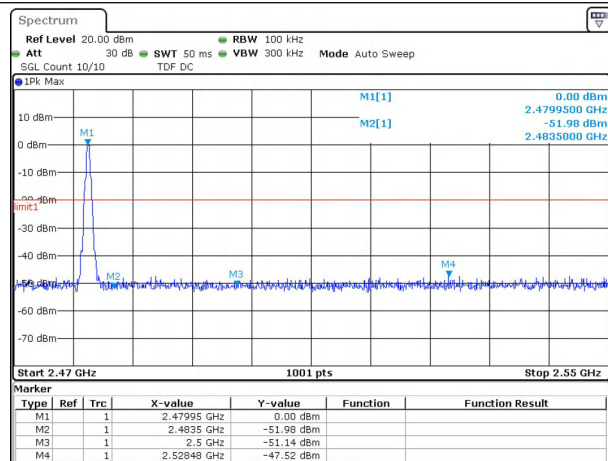
Appendix G: Band edge measurements

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Reference (dBm)	Emission Level (dBm)	Limit (dBm)	Verdict
3	NTNV	DH5 FHSS	2402	1Mbps	ANT1	0.61	-46.10	≤ -19.39	Pass
4	NTNV	DH5 FHSS	2480	1Mbps	ANT1	0.79	-46.44	≤ -19.21	Pass
1	NTNV	DH5	2402	1Mbps	ANT1	0.83	-47.84	≤ -19.17	Pass
2	NTNV	DH5	2480	1Mbps	ANT1	0	-47.52	≤ -20	Pass

Test Graphs





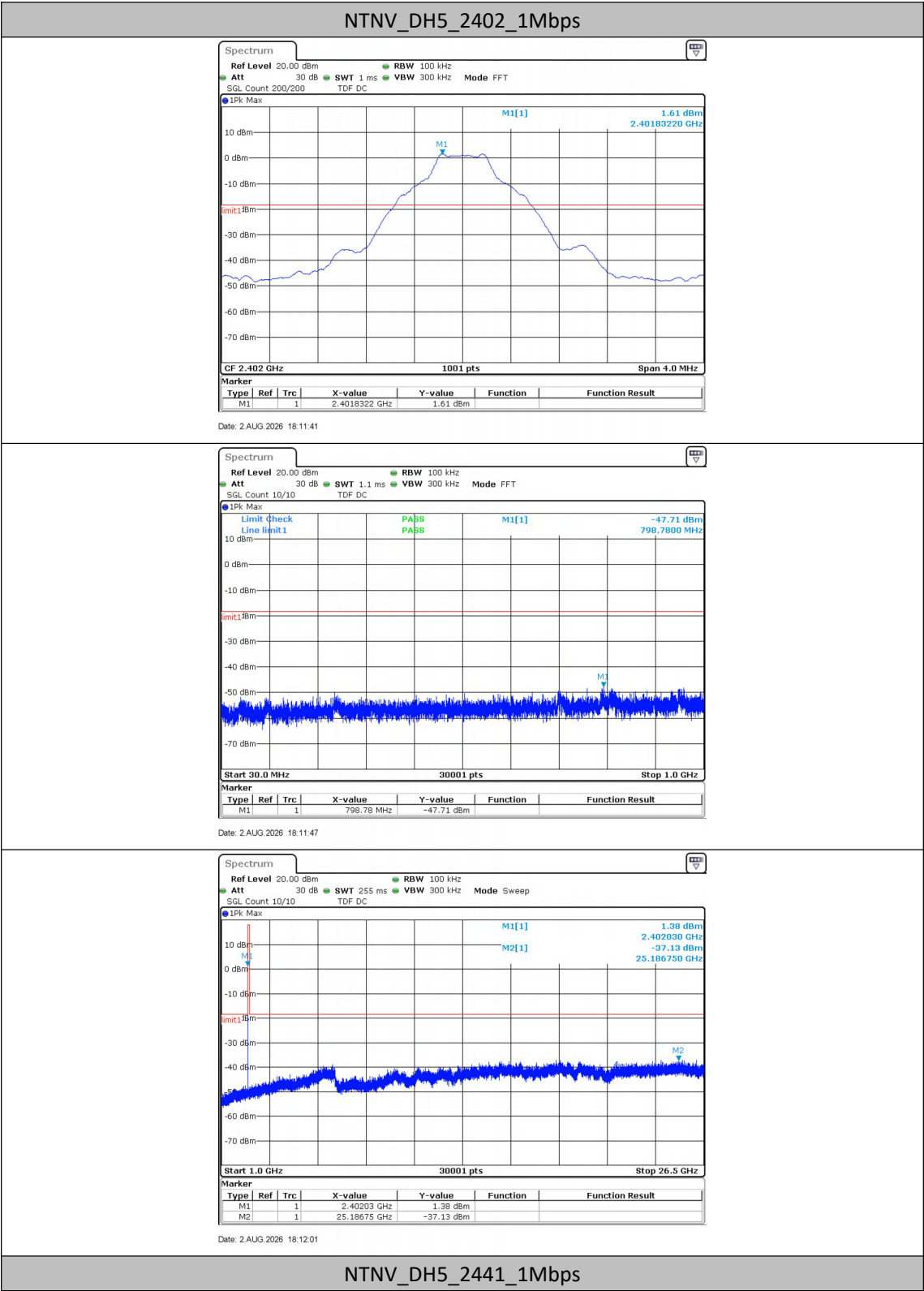
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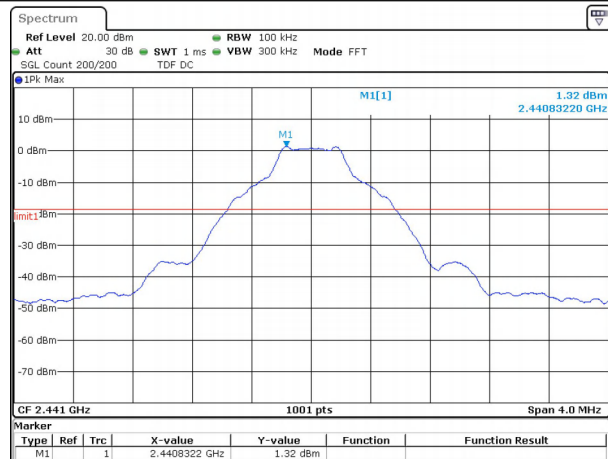
Appendix H: Conducted Spurious Emission

Test Result

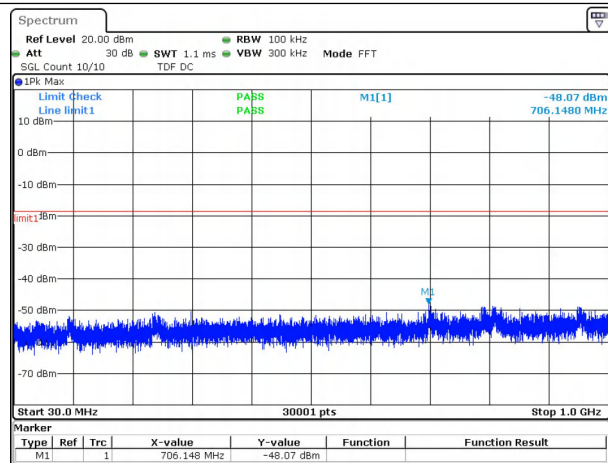
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	Reference	0.1	1.61	/	/
						30~1000	0.1	-47.71	≤-18.39	Pass
						1000~26500	0.1	-37.13	≤-18.39	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	Reference	0.1	1.32	/	/
						30~1000	0.1	-48.07	≤-18.68	Pass
						1000~26500	0.1	-36.91	≤-18.68	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	Reference	0.1	0.79	/	/
						30~1000	0.1	-46.96	≤-19.21	Pass
						1000~26500	0.1	-37.02	≤-19.21	Pass

Test Graphs

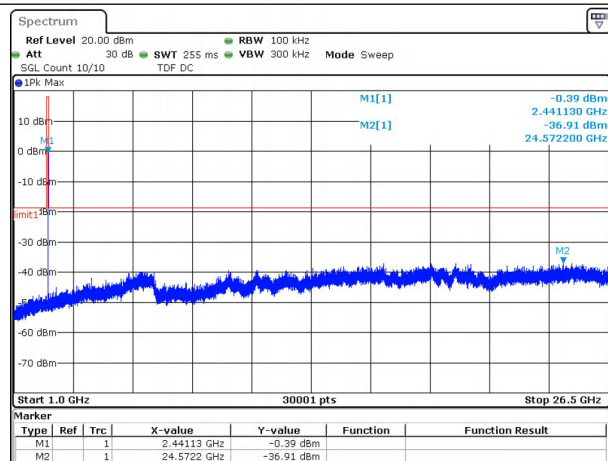




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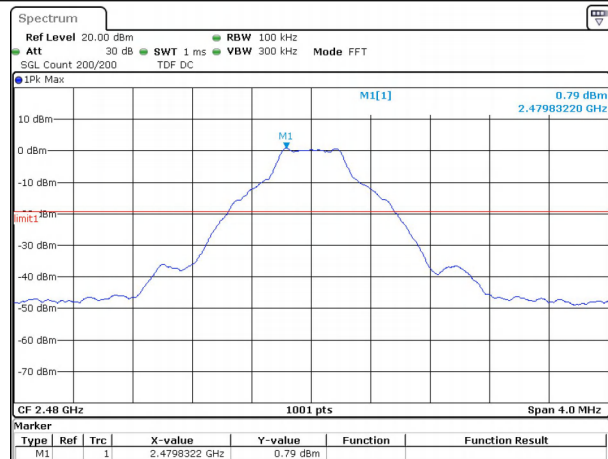


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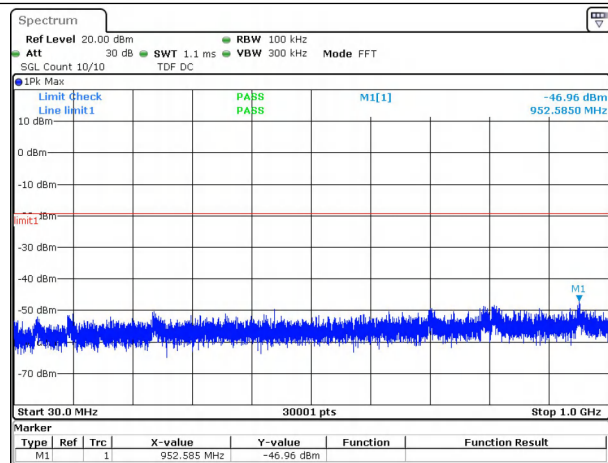


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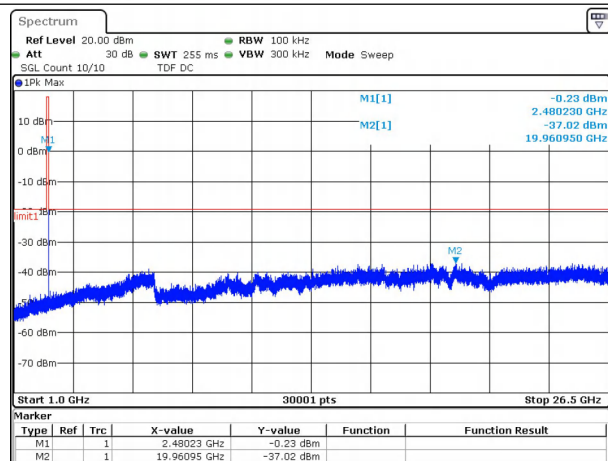
NTNV_DH5_2480_1Mbps



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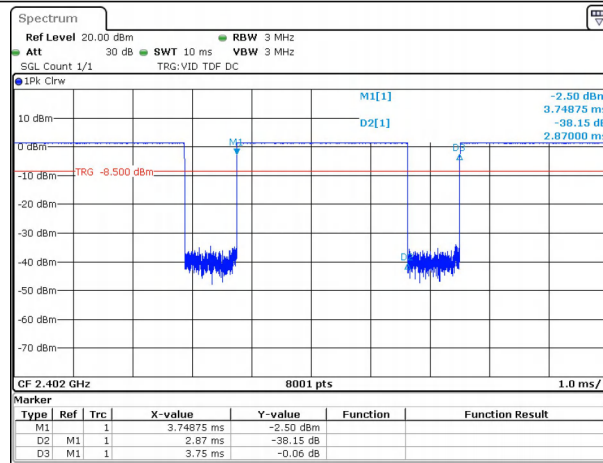
Appendix I: Duty Cycle

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	76.53
2	NTNV	DH5	2441	1Mbps	ANT1	2.87	3.75	0.77	76.54
3	NTNV	DH5	2480	1Mbps	ANT1	2.87	3.75	0.77	76.57

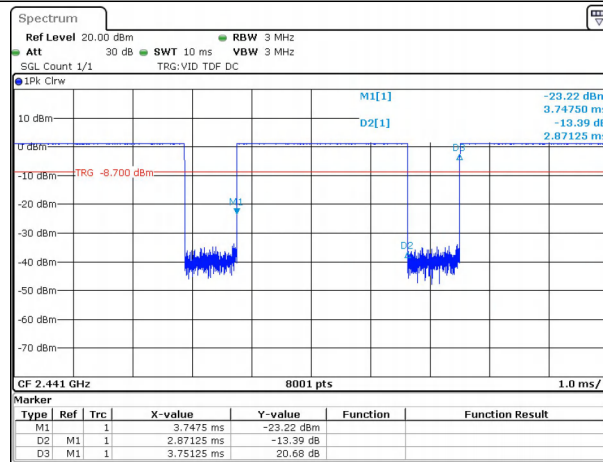
Test Graphs

NTNV_DH5_2402_1Mbps



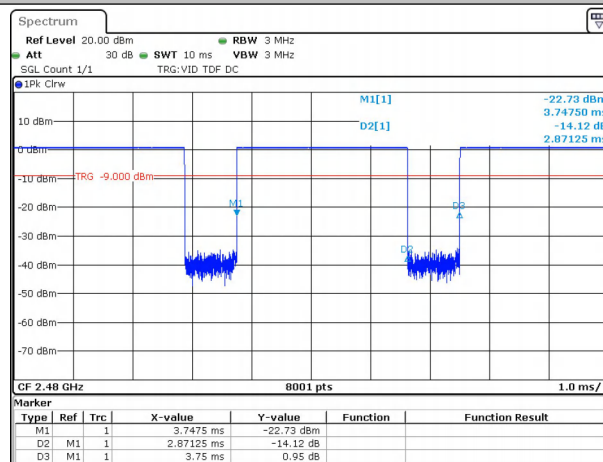
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NTNV_DH5_2441_1Mbps



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NTNV_DH5_2480_1Mbps



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