



CQASZ20260701486E-02

Summary

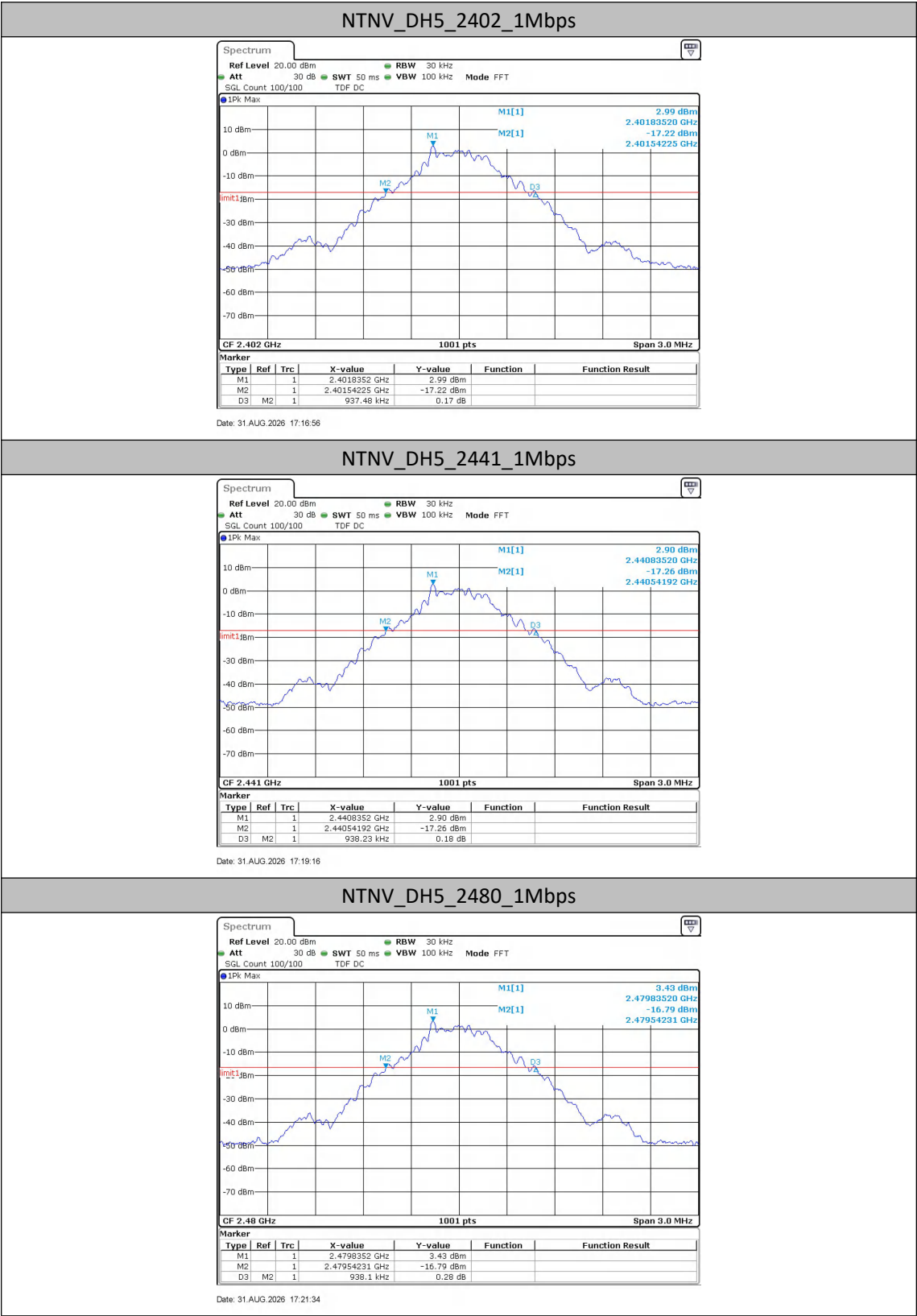
NO.	Item	Verdict
1	20dB Emission Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Carrier frequency separation	Pass
5	Time of occupancy	Pass
6	Number of hopping channels	Pass
7	Band edge measurements	Pass
8	Conducted Spurious Emission	Pass
9	Emissions in Restricted 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	0.94	2401.54	2402.48	-	-
2	NTNV	DH5	2441	1Mbps	ANT1	0.94	2440.54	2441.48	-	-
3	NTNV	DH5	2480	1Mbps	ANT1	0.94	2479.54	2480.48	-	-

Test Graphs

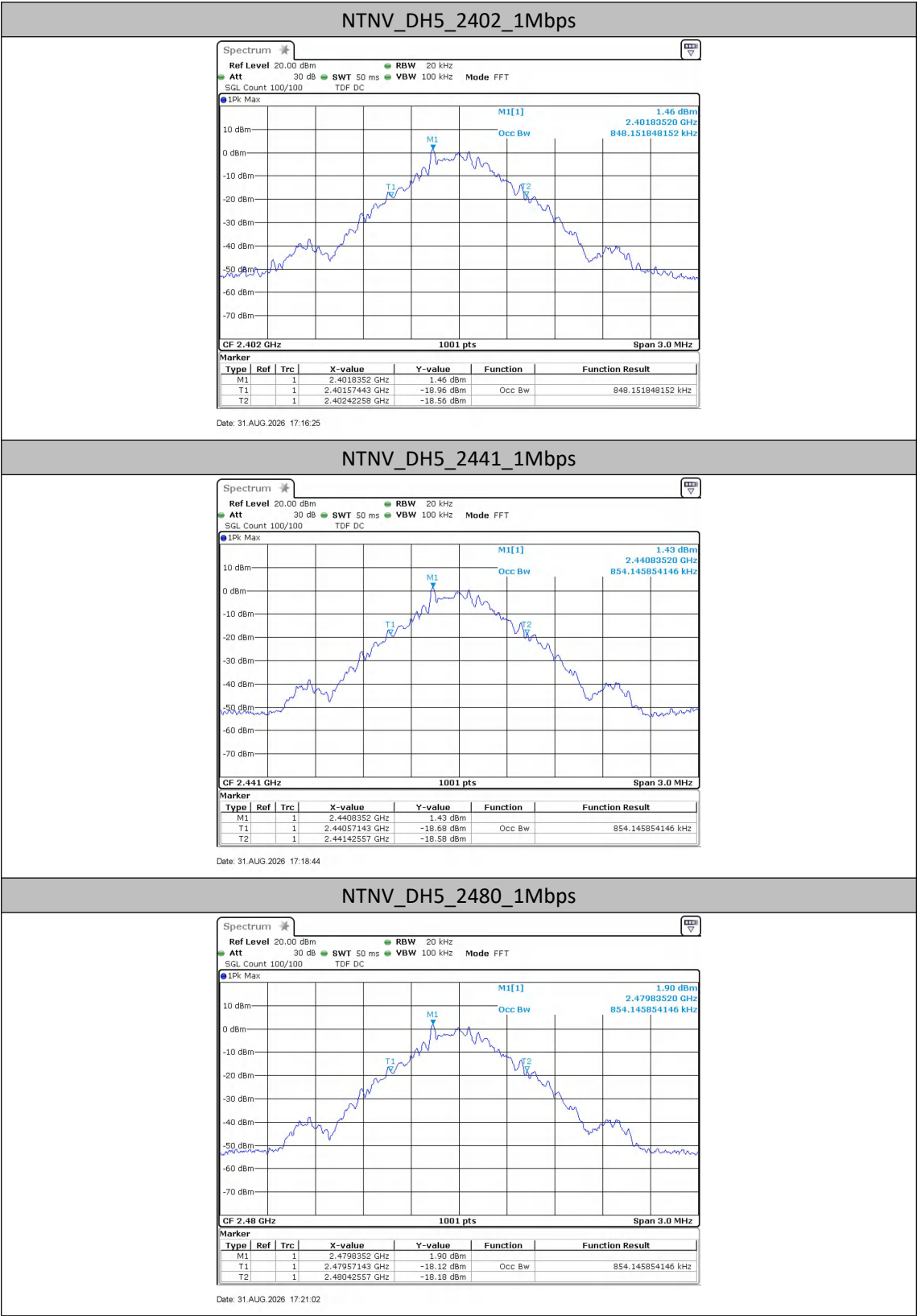


Appendix B: Occupied Channel Bandwidth

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	0.85	-	2401.57	2402.42	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	0.85	-	2440.57	2441.43	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	0.85	-	2479.57	2480.43	Pass

Test Graphs

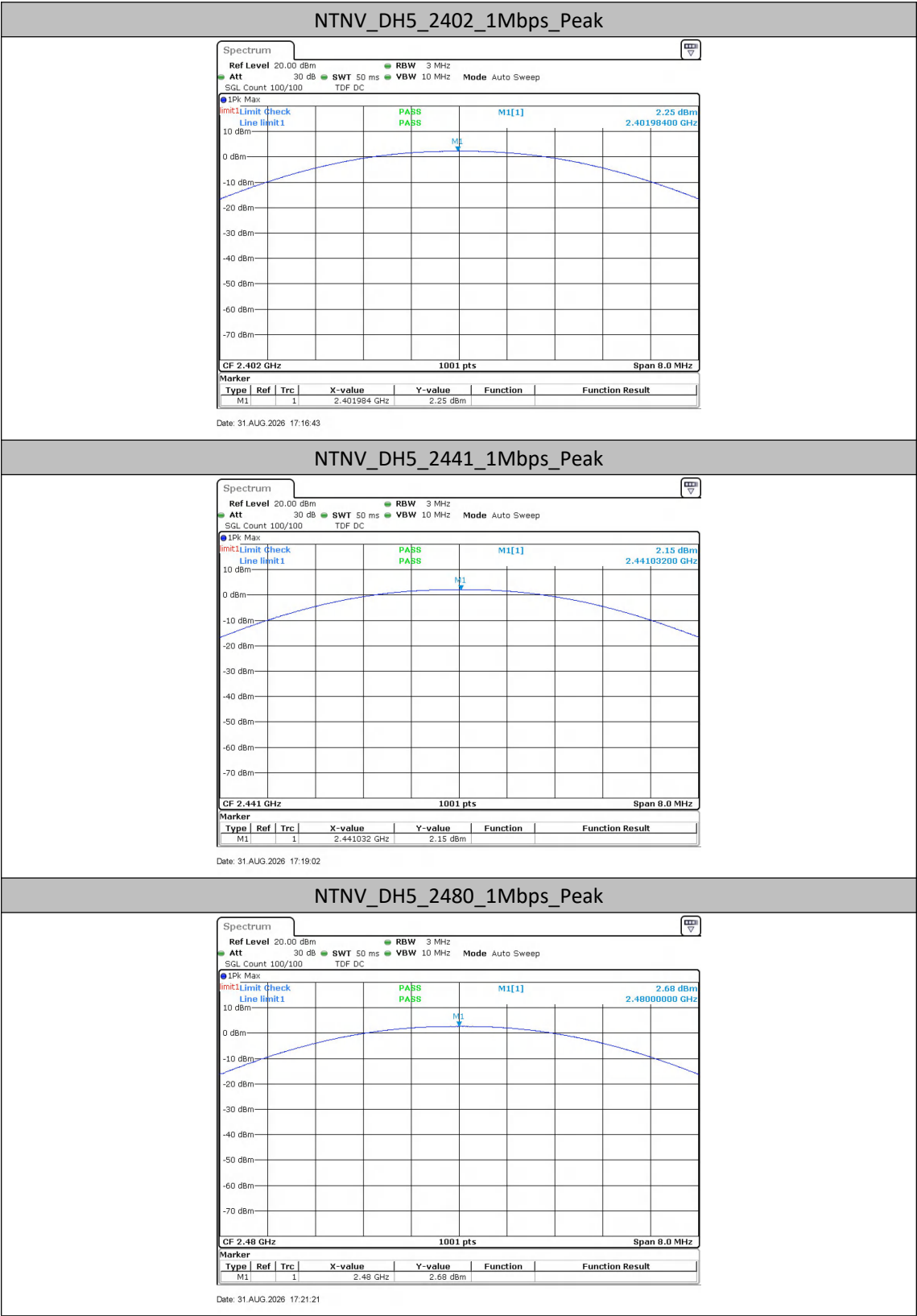


Appendix C: Maximum conducted output power

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	2.25	≤30	Pass
2	NTNV	DH5	2441	Peak	ANT1	2.15	≤30	Pass
3	NTNV	DH5	2480	Peak	ANT1	2.68	≤30	Pass

Test Graphs

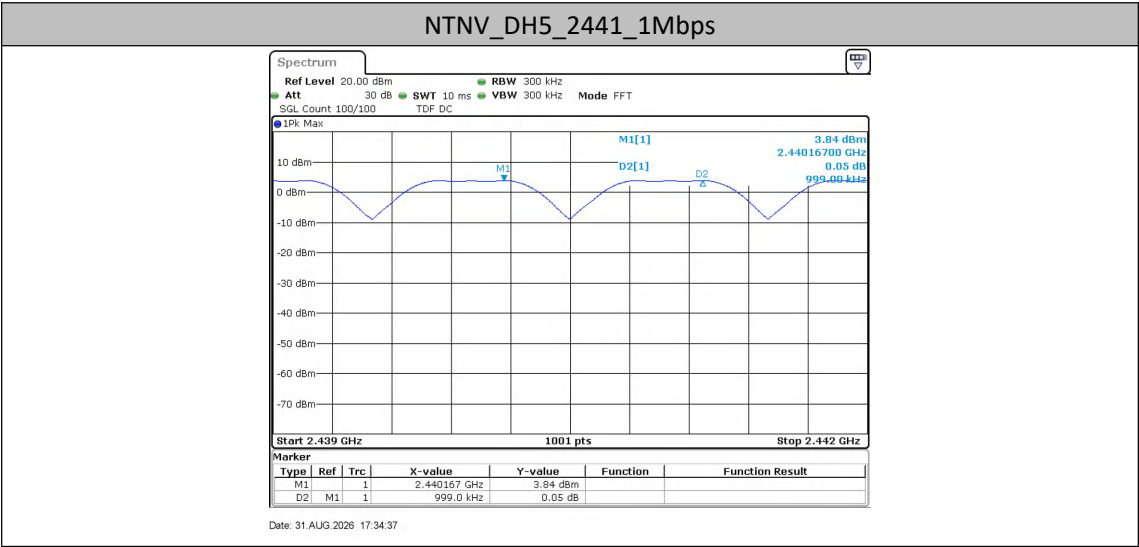


Appendix D: Carrier frequency separation

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

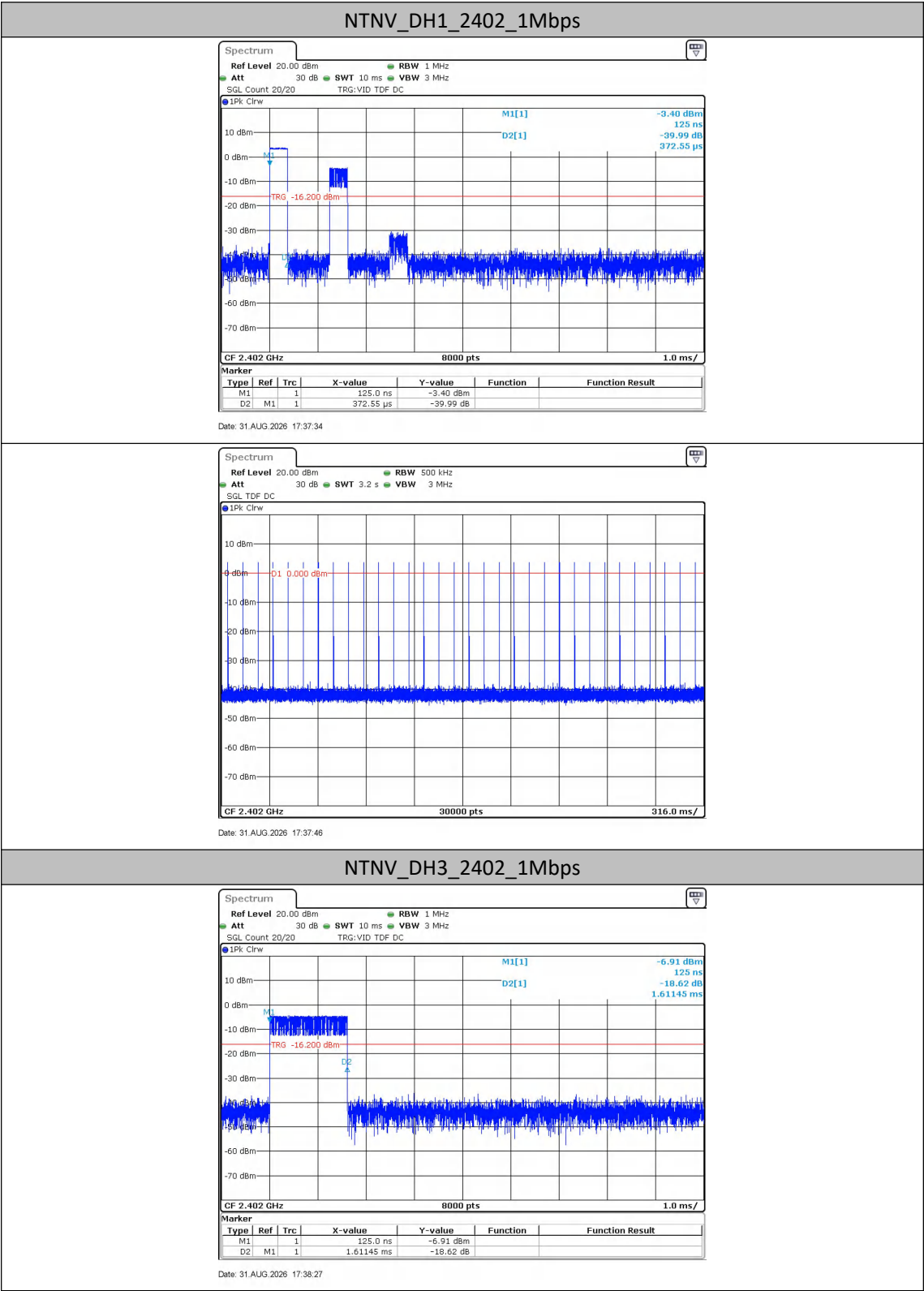


Appendix E: Time of occupancy

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



NTNV_DH3_2402_1Mbps

Spectrum

Ref Level 20.00 dBm RBW 1 MHz
Att 30 dB SWT 10 ms VBW 3 MHz
SGL Count 20/20 TRG:VID TDF DC
IPK Clrw

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1[1]

-6.91 dBm

125 ns

D2[1]

-18.62 dB

1.61145 ms

TRG -16.200 dBm

CF 2.402 GHz

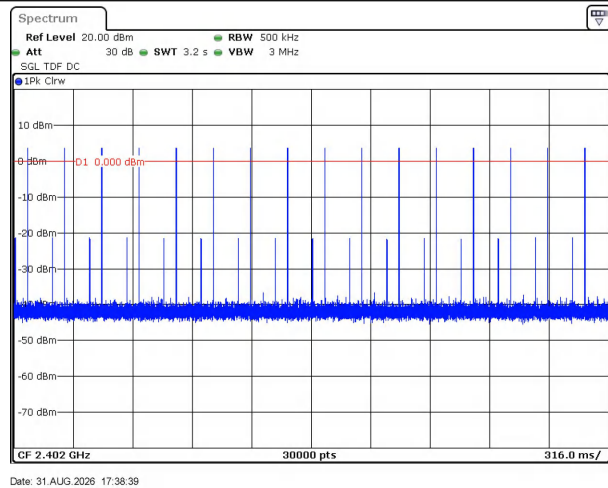
8000 pts

1.0 ms/

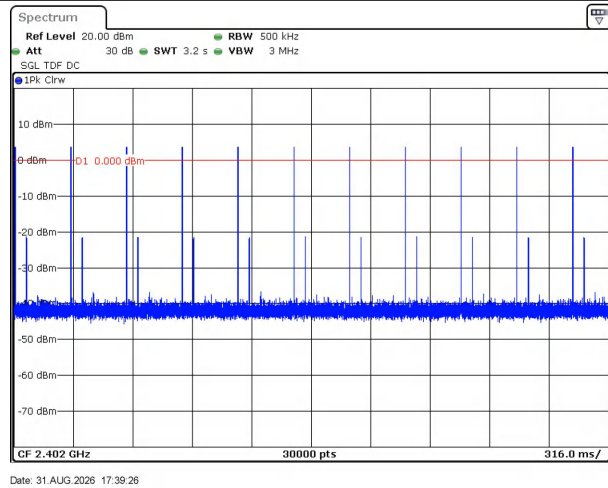
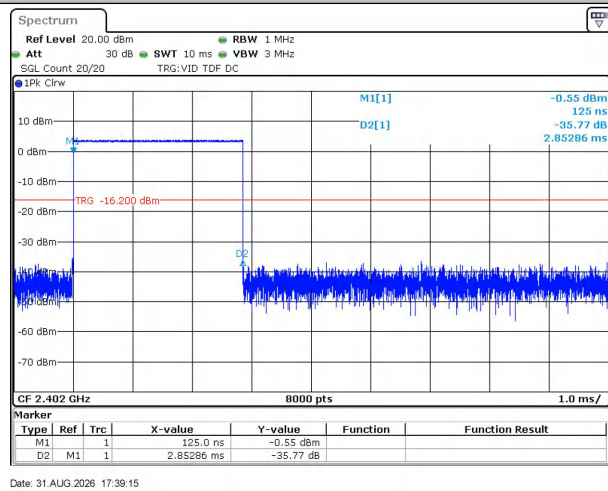
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	125.0 ns	-6.91 dBm		
D2	M1	1	1.61145 ms	-18.62 dB		

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NTNV_DH5_2402_1Mbps

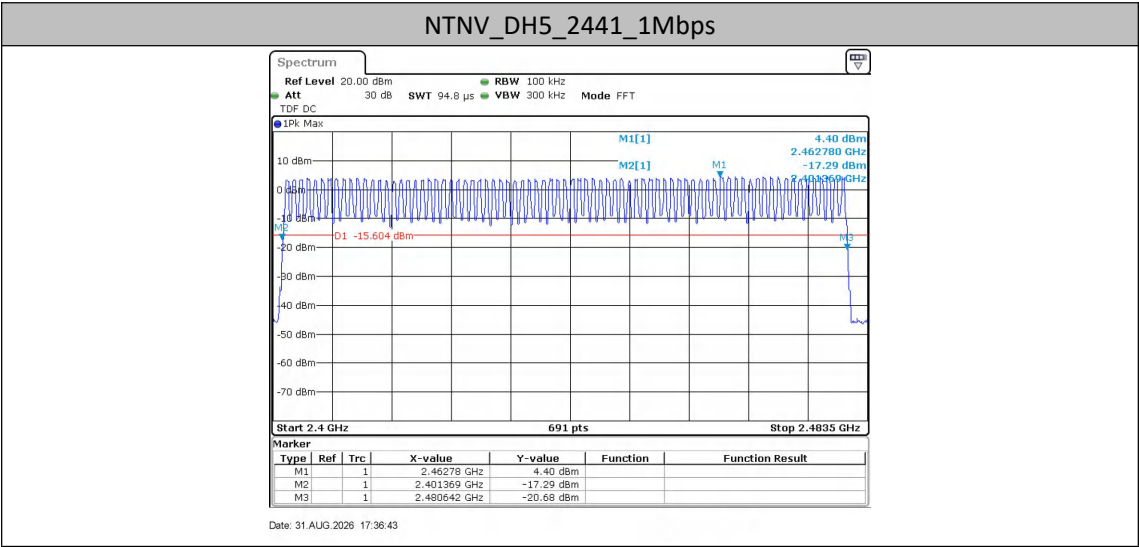


Appendix F: Number of hopping channels

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

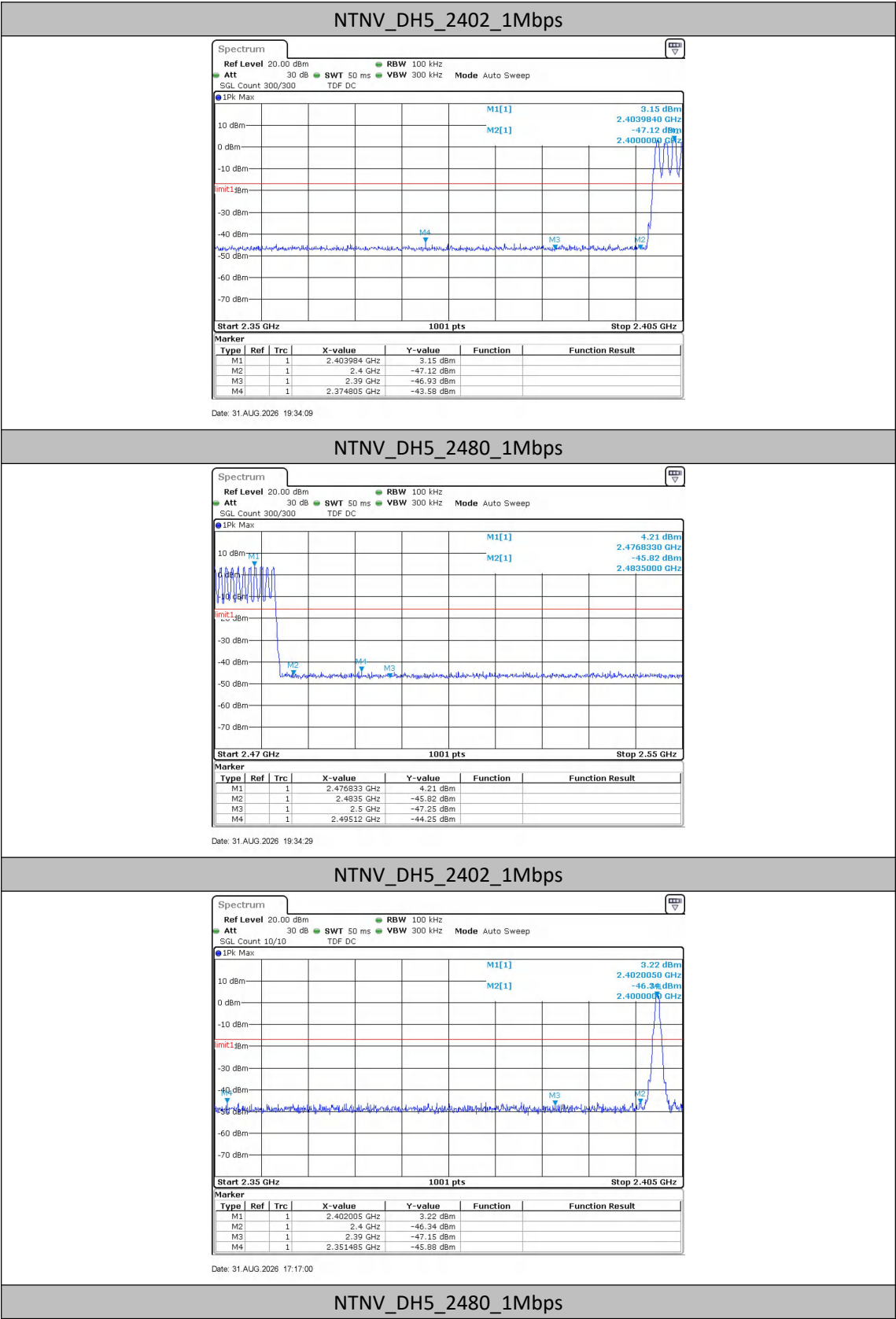


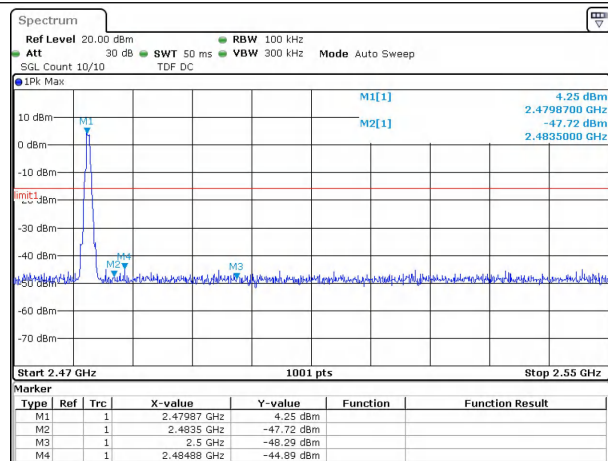
Appendix G: Band edge measurements

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	3.15	-43.58	≤ -16.85	Pass
4	NTNV	DH5 FHSS	2480	1Mbps	ANT1	4.21	-44.25	≤ -15.79	Pass
1	NTNV	DH5	2402	1Mbps	ANT1	3.22	-45.88	≤ -16.78	Pass
2	NTNV	DH5	2480	1Mbps	ANT1	4.25	-44.89	≤ -15.75	Pass

Test Graphs





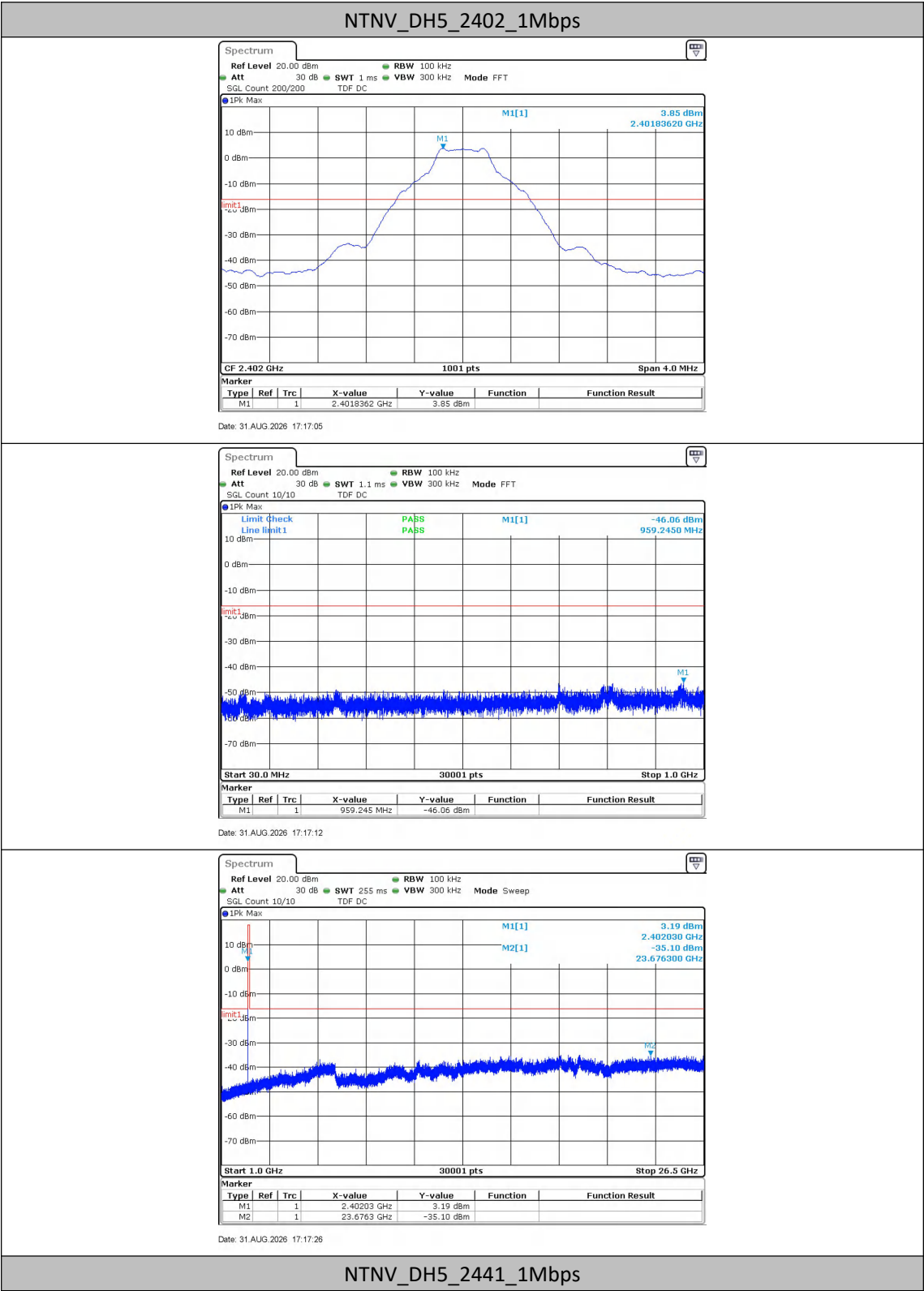
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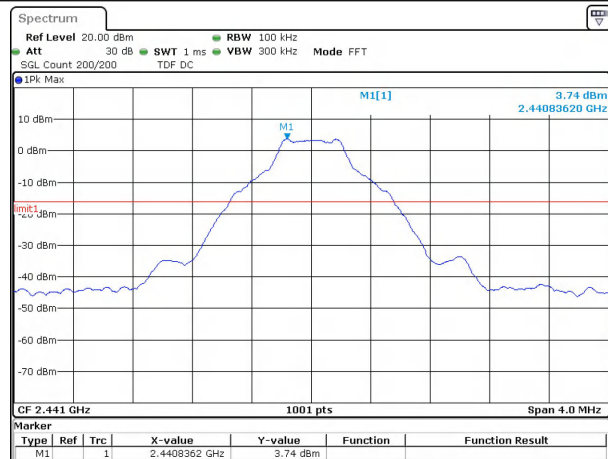
Appendix H: Conducted Spurious Emission

Test Result

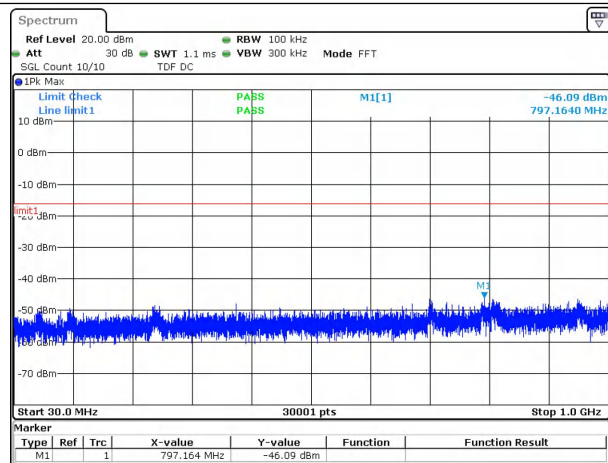
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	Reference	0.1	3.85	/	/
						30~1000	0.1	-46.06	≤-16.15	Pass
						1000~26500	0.1	-35.10	≤-16.15	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	Reference	0.1	3.74	/	/
						30~1000	0.1	-46.09	≤-16.26	Pass
						1000~26500	0.1	-34.26	≤-16.26	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	Reference	0.1	4.27	/	/
						30~1000	0.1	-45.08	≤-15.73	Pass
						1000~26500	0.1	-34.34	≤-15.73	Pass

Test Graphs

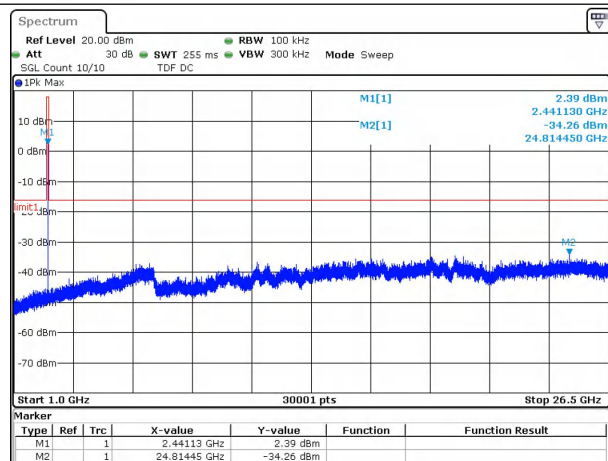




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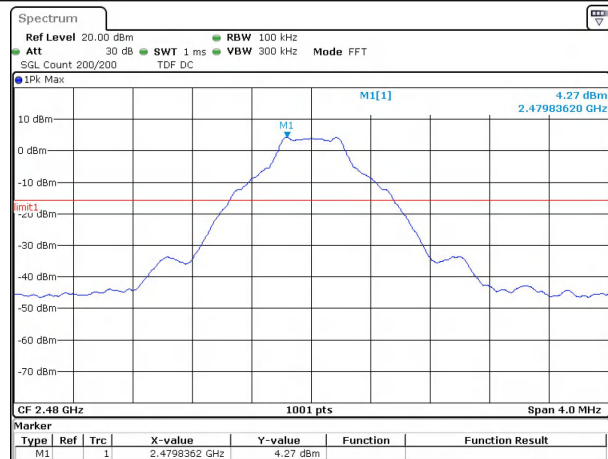


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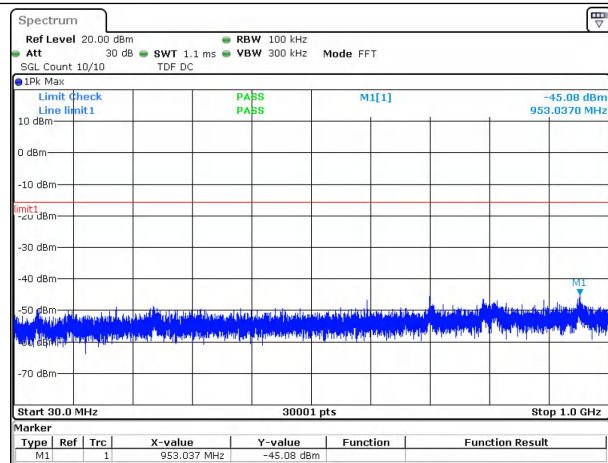


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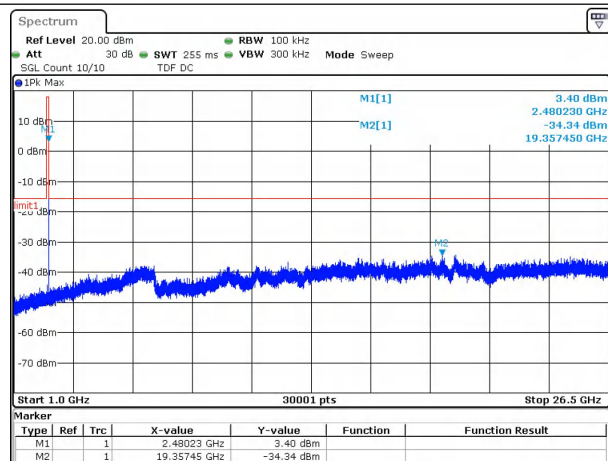
NTNV_DH5_2480_1Mbps



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Date: 31.AUG.2026 17:21:50



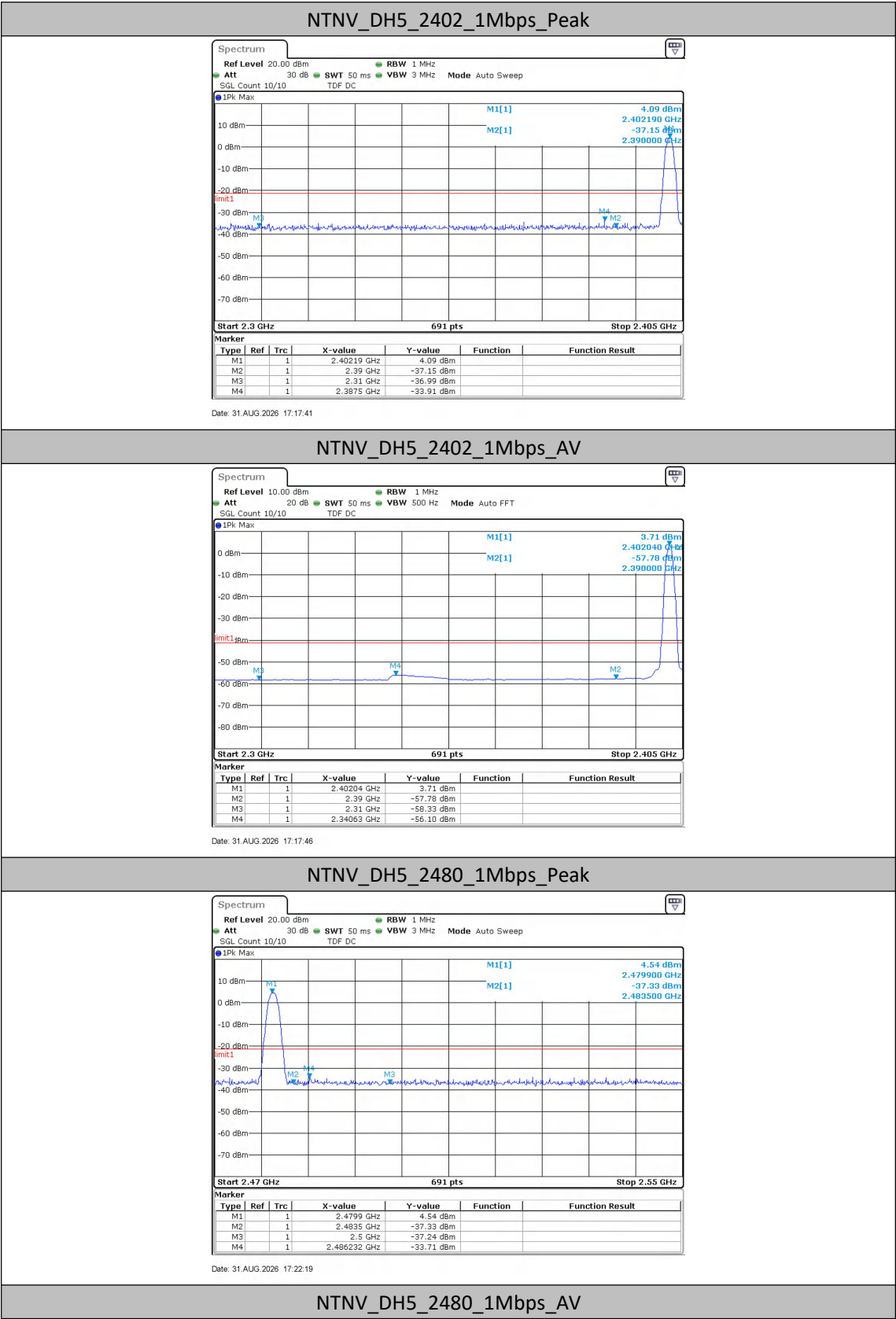
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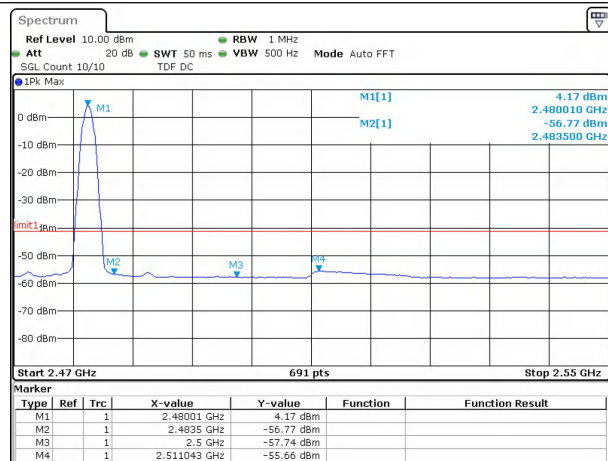
Appendix I: Emissions in Restricted Bands

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	DH5	2402	1Mbps	2	ANT1	Peak	2390.00	-37.15	-21.20	58.05	74.00	Pass
							Peak	2310.00	-36.99	-21.20	58.21	74.00	Pass
							Peak	2387.50	-33.91	-21.20	61.29	74.00	Pass
2	NTNV	DH5	2402	1Mbps	2	ANT1	AV	2390.00	-57.78	-41.20	37.42	54.00	Pass
							AV	2310.00	-58.33	-41.20	36.87	54.00	Pass
							AV	2340.63	-56.10	-41.20	39.10	54.00	Pass
3	NTNV	DH5	2480	1Mbps	2	ANT1	Peak	2483.50	-37.33	-21.20	57.87	74.00	Pass
							Peak	2500.00	-37.24	-21.20	57.96	74.00	Pass
							Peak	2486.23	-33.71	-21.20	61.49	74.00	Pass
4	NTNV	DH5	2480	1Mbps	2	ANT1	AV	2483.50	-56.77	-41.20	38.43	54.00	Pass
							AV	2500.00	-57.74	-41.20	37.46	54.00	Pass
							AV	2511.04	-55.66	-41.20	39.54	54.00	Pass

Test Graphs





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

Test Graphs

