



CQASZ20260701668E-02

Summary

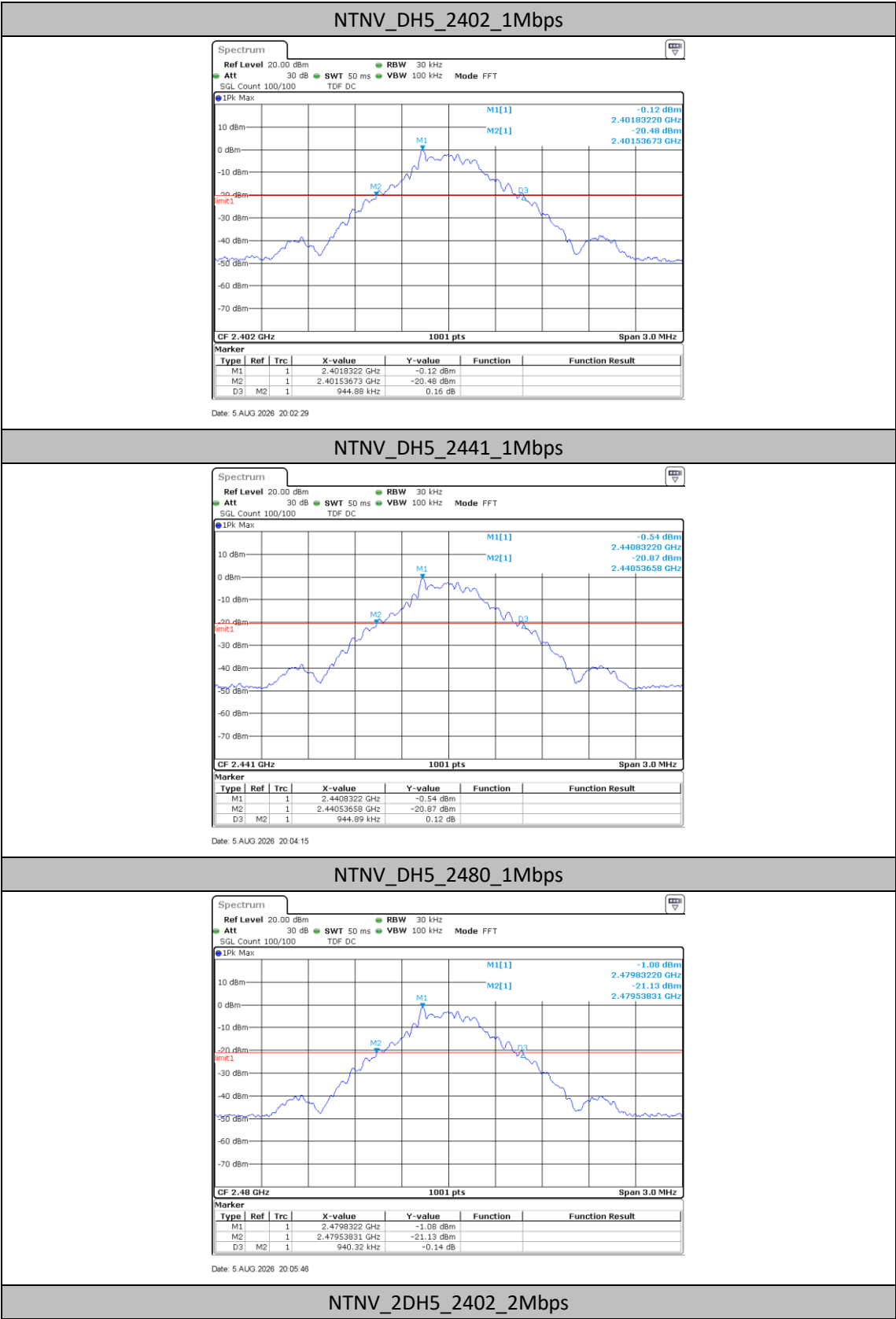
NO.	Item	Verdict
1	20dB Emission Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Carrier frequency separation	Pass
5	Time of occupancy	Pass
6	Number of hopping channels	Pass
7	Band edge measurements	Pass
8	Conducted Spurious Emission	Pass
9	Emissions in Restricted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

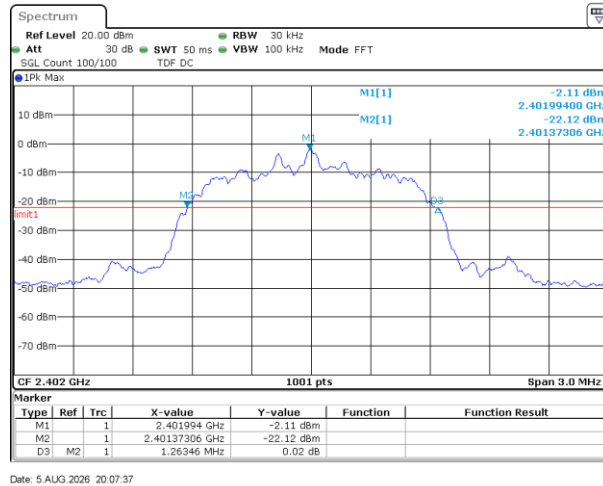
Appendix A: 20dB Emission Bandwidth

Test Result

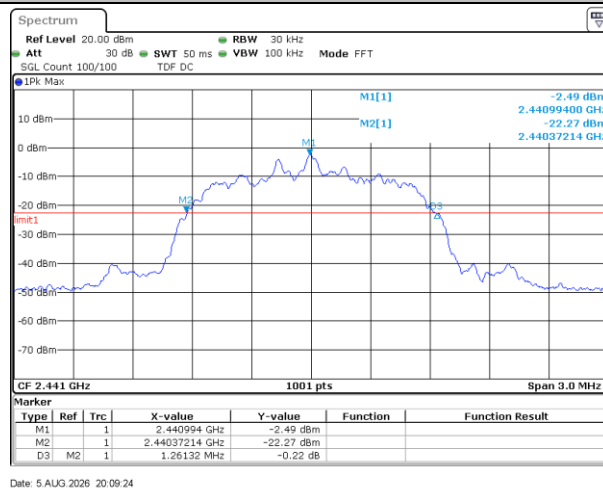
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	BW (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	0.94	2401.54	2402.48	-	-
2	NTNV	DH5	2441	1Mbps	ANT1	0.94	2440.54	2441.48	-	-
3	NTNV	DH5	2480	1Mbps	ANT1	0.94	2479.54	2480.48	-	-
4	NTNV	2DH5	2402	2Mbps	ANT1	1.26	2401.37	2402.64	-	-
5	NTNV	2DH5	2441	2Mbps	ANT1	1.26	2440.37	2441.63	-	-
6	NTNV	2DH5	2480	2Mbps	ANT1	1.24	2479.38	2480.61	-	-
7	NTNV	3DH5	2402	3Mbps	ANT1	1.20	2401.41	2402.61	-	-
8	NTNV	3DH5	2441	3Mbps	ANT1	1.20	2440.41	2441.61	-	-
9	NTNV	3DH5	2480	3Mbps	ANT1	1.20	2479.41	2480.61	-	-

Test Graphs

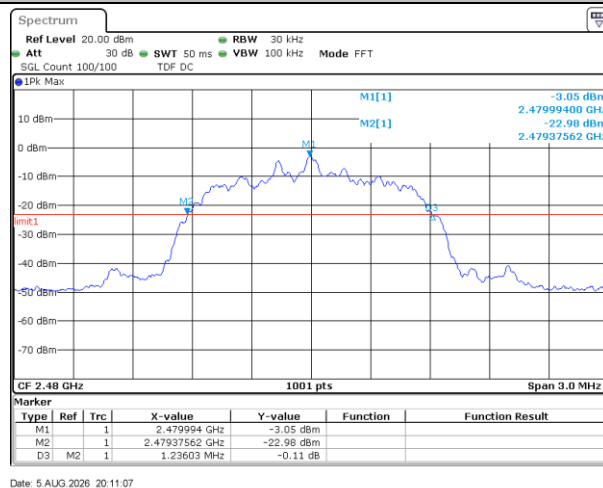




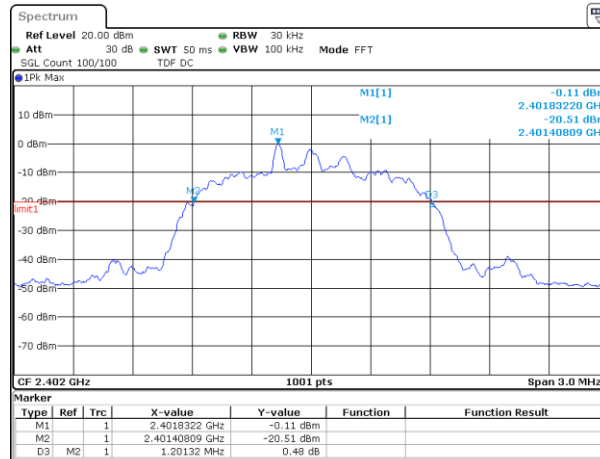
NTNV_2DH5_2441_2Mbps



NTNV_2DH5_2480_2Mbps

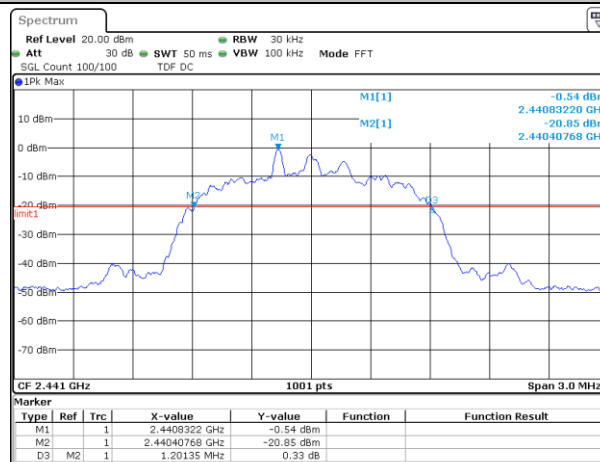


NTNV_3DH5_2402_3Mbps



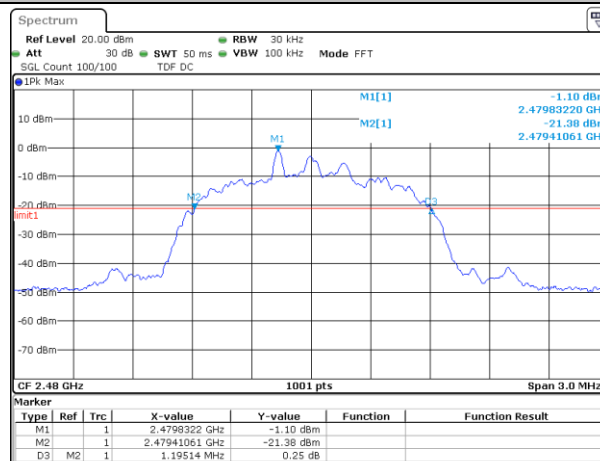
Date: 5 AUG 2026 20:17:09

NTNV_3DH5_2441_3Mbps



Date: 5 AUG 2026 20:20:19

NTNV_3DH5_2480_3Mbps



Date: 5 AUG 2026 20:23:31

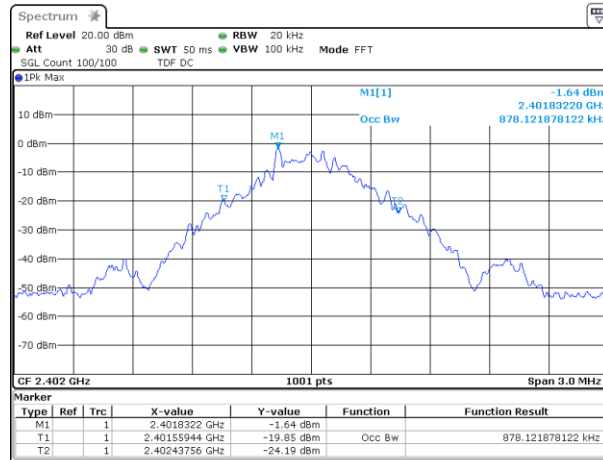
Appendix B: Occupied Channel Bandwidth

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
4	NTNV	2DH5	2402	2Mbps	ANT1	1.16	-	2401.42	2402.58	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	1.15	-	2440.42	2441.57	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	1.14	-	2479.42	2480.57	Pass
7	NTNV	3DH5	2402	3Mbps	ANT1	1.14	-	2401.43	2402.57	Pass
8	NTNV	3DH5	2441	3Mbps	ANT1	1.14	-	2440.43	2441.57	Pass
9	NTNV	3DH5	2480	3Mbps	ANT1	1.13	-	2479.44	2480.57	Pass

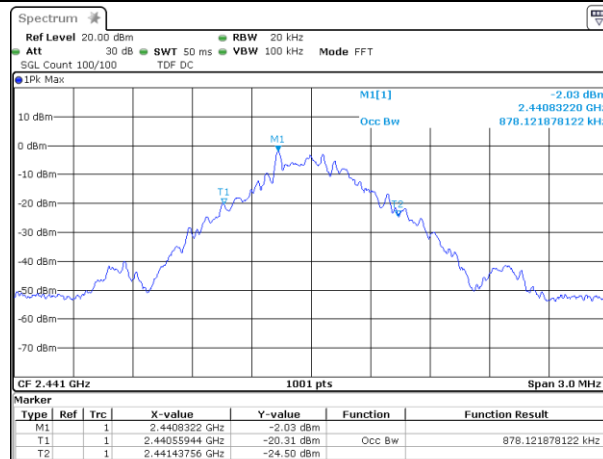
Test Graphs

NTNV_DH5_2402_1Mbps



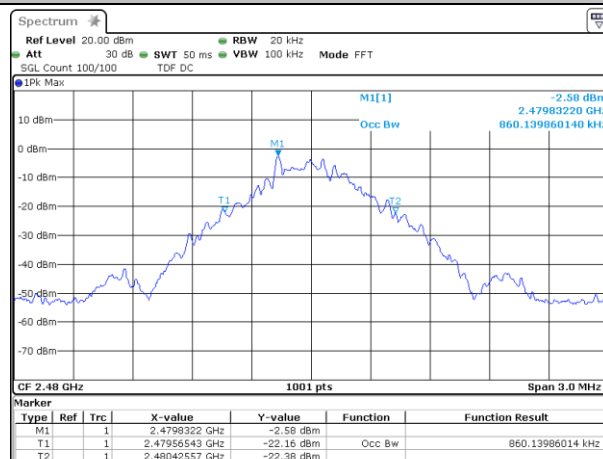
Date: 5 AUG 2026 20:01:57

NTNV_DH5_2441_1Mbps



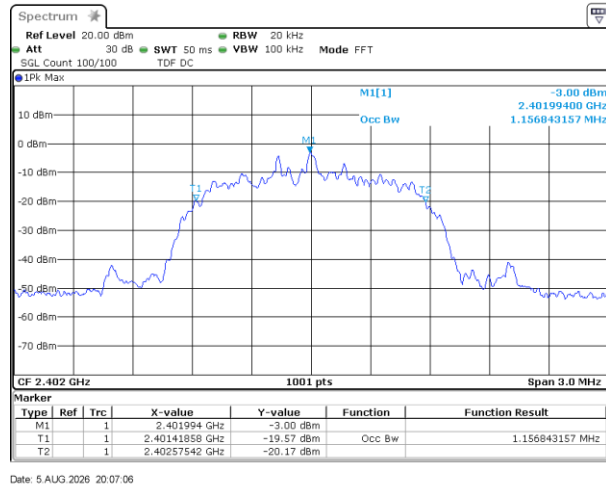
Date: 5 AUG 2026 20:03:43

NTNV_DH5_2480_1Mbps

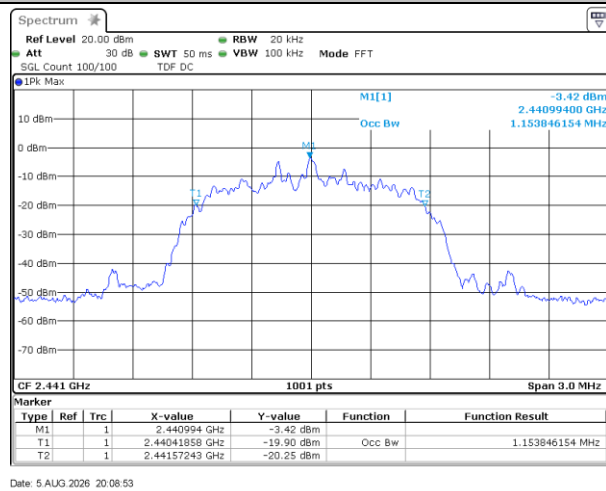


Date: 5 AUG 2026 20:05:14

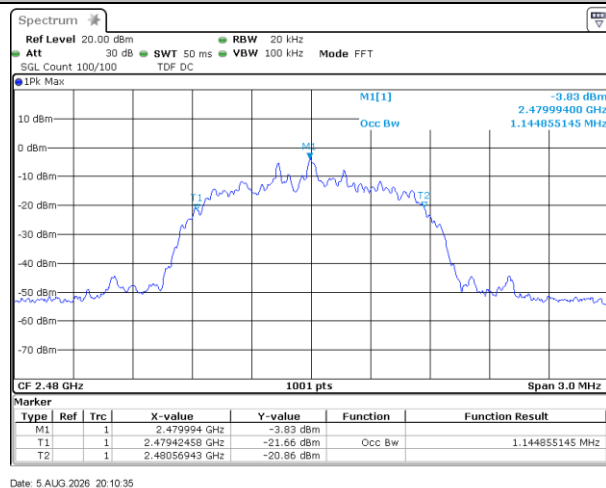
NTNV_2DH5_2402_2Mbps



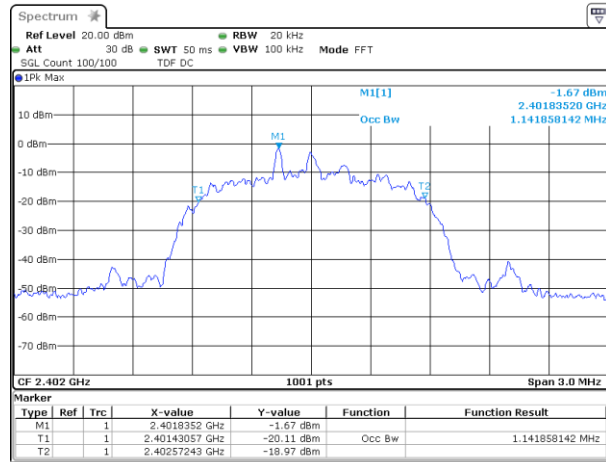
NTNV_2DH5_2441_2Mbps



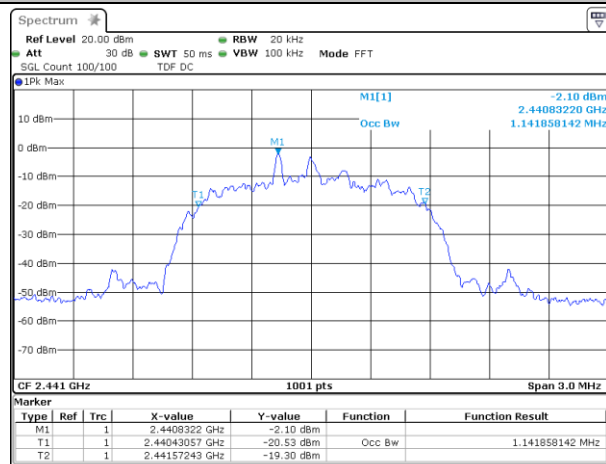
NTNV_2DH5_2480_2Mbps



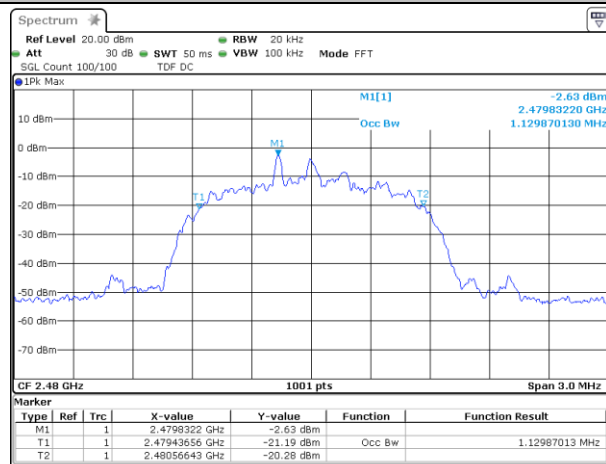
NTNV_3DH5_2402_3Mbps



NTNV_3DH5_2441_3Mbps



NTNV_3DH5_2480_3Mbps

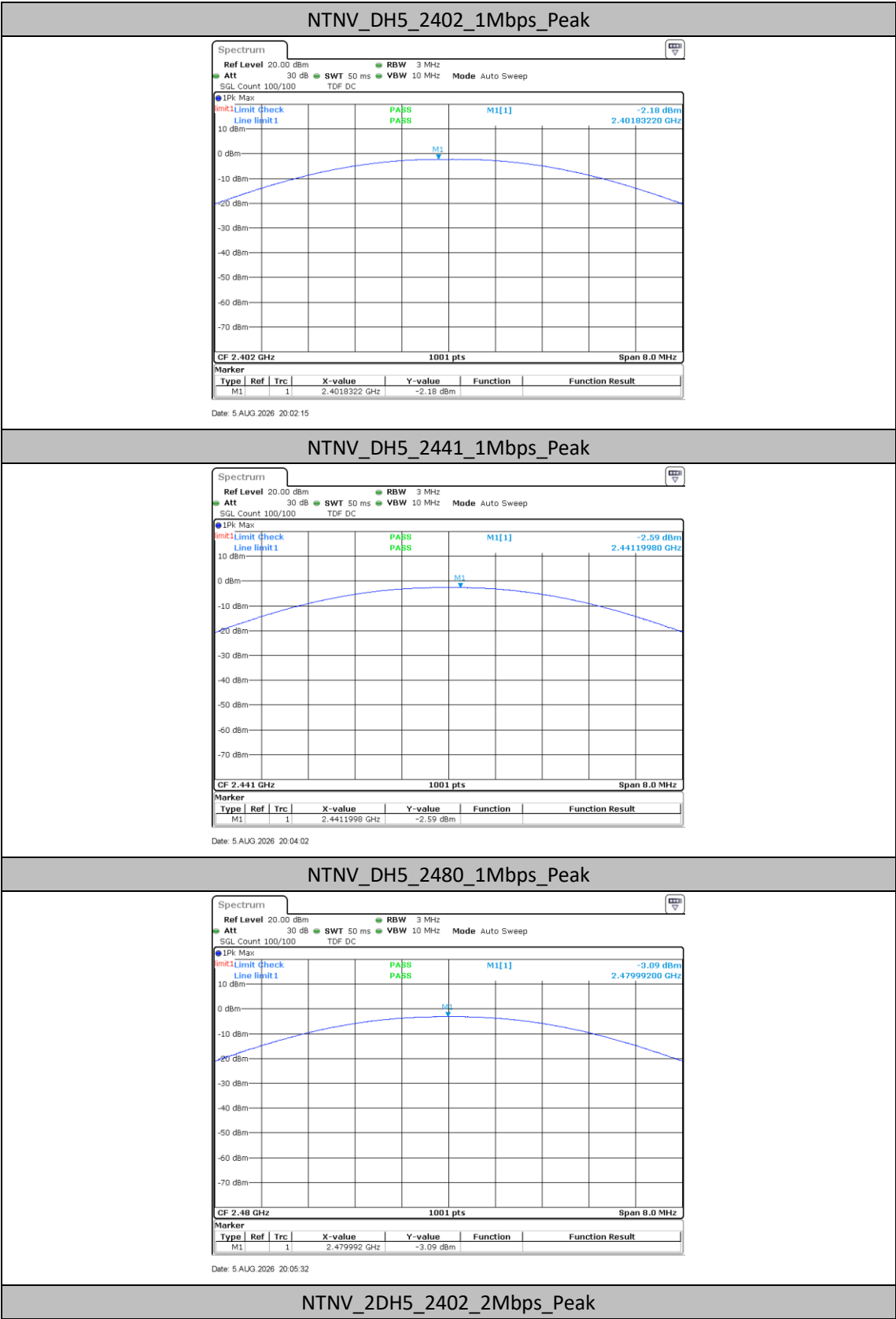


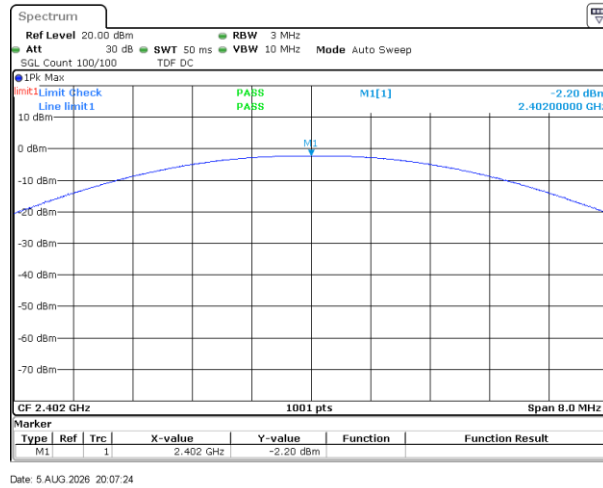
Appendix C: Maximum conducted output power

Test Result

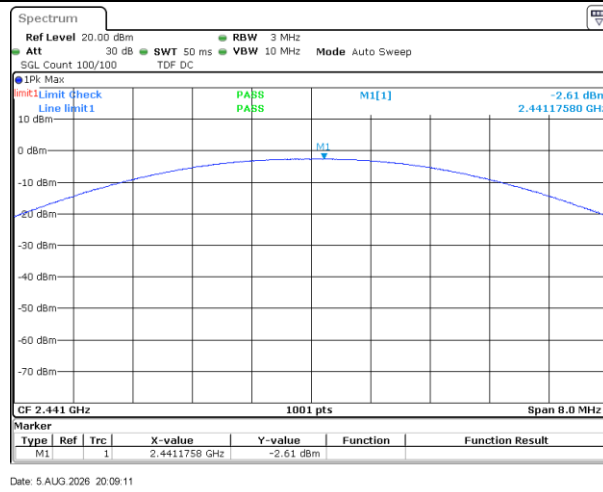
NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	DH5	2402	Peak	ANT1	-2.18	≤ 30	Pass
2	NTNV	DH5	2441	Peak	ANT1	-2.59	≤ 30	Pass
3	NTNV	DH5	2480	Peak	ANT1	-3.09	≤ 30	Pass
4	NTNV	2DH5	2402	Peak	ANT1	-2.20	≤ 30	Pass
5	NTNV	2DH5	2441	Peak	ANT1	-2.61	≤ 30	Pass
6	NTNV	2DH5	2480	Peak	ANT1	-3.12	≤ 30	Pass
7	NTNV	3DH5	2402	Peak	ANT1	-1.77	≤ 30	Pass
8	NTNV	3DH5	2441	Peak	ANT1	-2.18	≤ 30	Pass
9	NTNV	3DH5	2480	Peak	ANT1	-2.75	≤ 30	Pass

Test Graphs

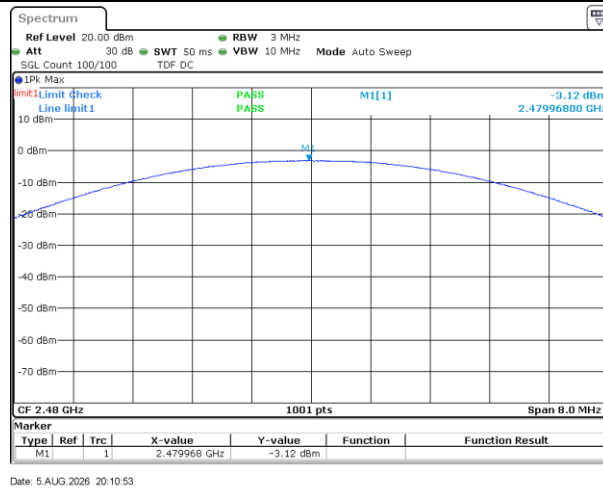




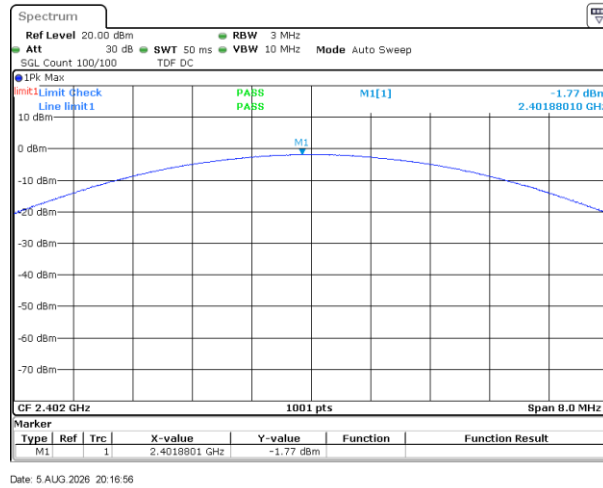
NTNV_2DH5_2441_2Mbps_Peak



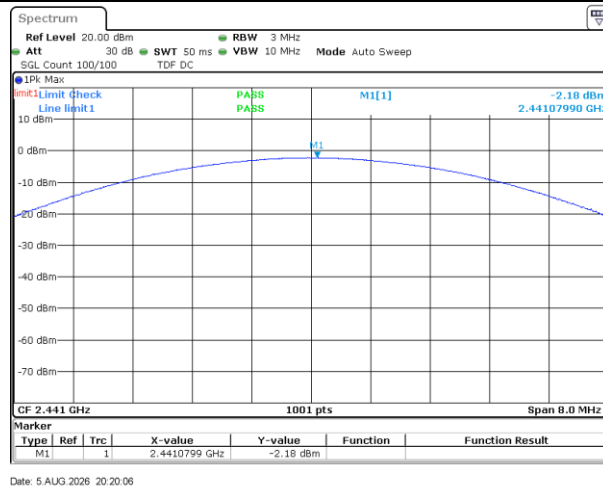
NTNV_2DH5_2480_2Mbps_Peak



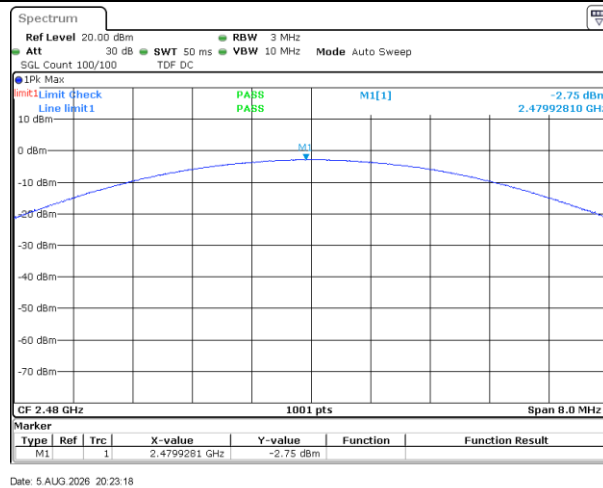
NTNV_3DH5_2402_3Mbps_Peak



NTNV_3DH5_2441_3Mbps_Peak



NTNV_3DH5_2480_3Mbps_Peak

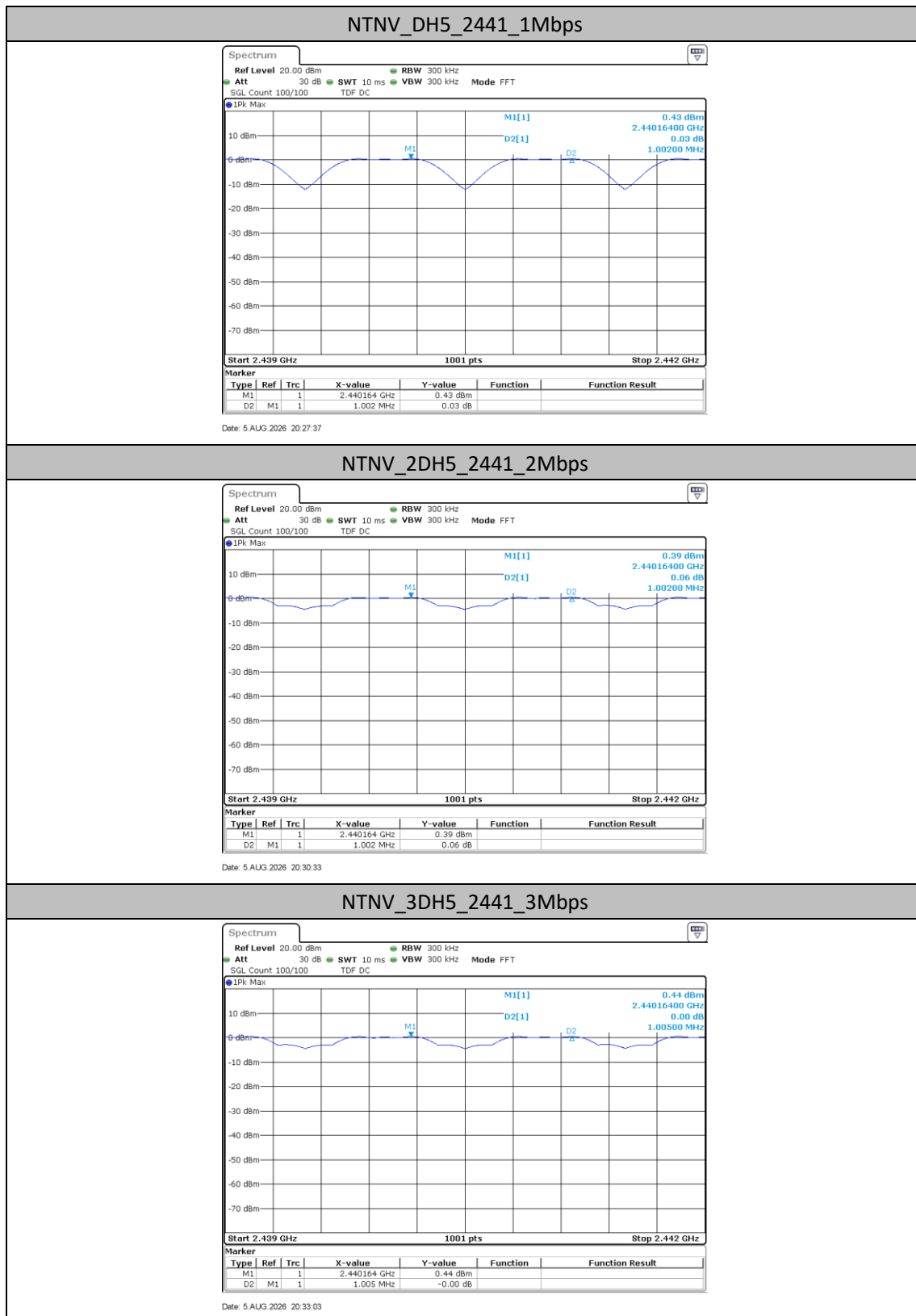


Appendix D: Carrier frequency separation

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	≥ 0.84	Pass
3	NTNV	3DH5 FHSS	2441	3Mbps	ANT1	1.00	≥ 0.8	Pass

Test Graphs

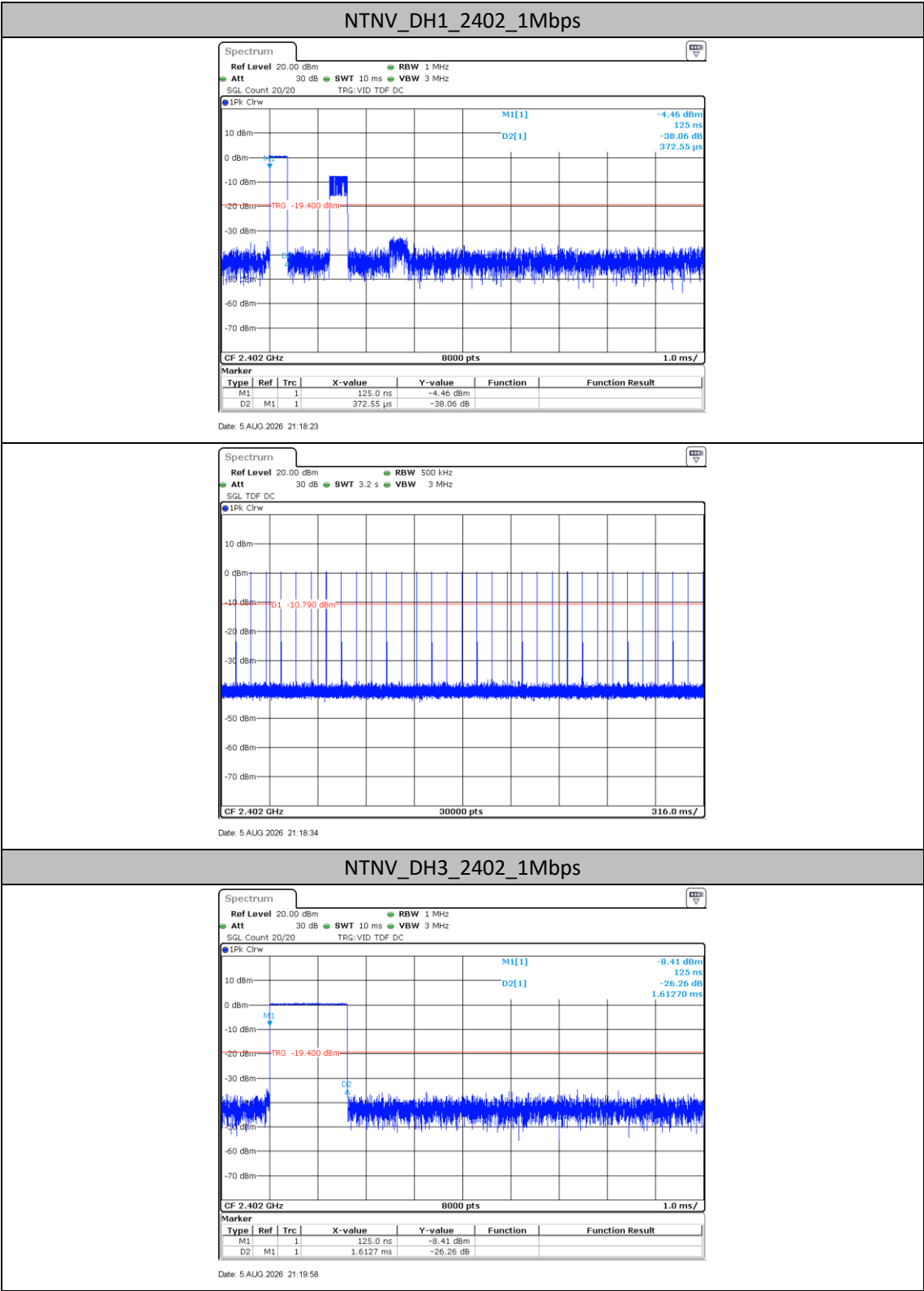


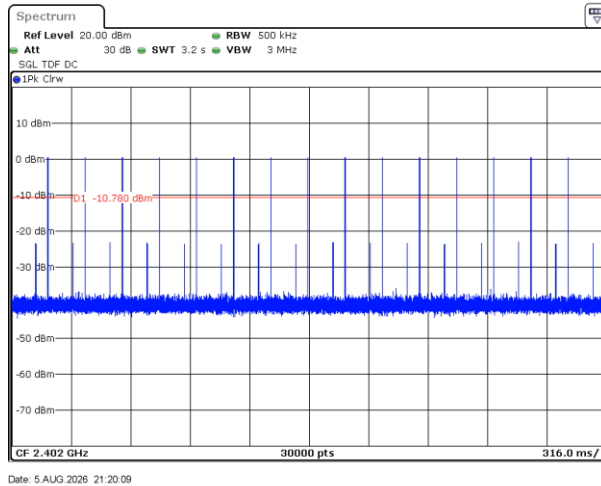
Appendix E: Time of occupancy

Test Result

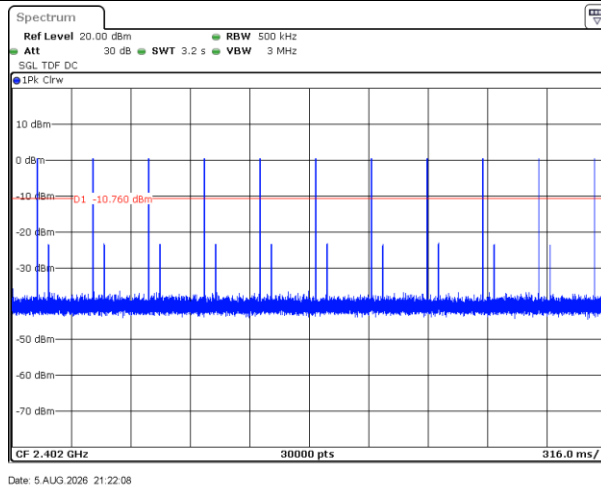
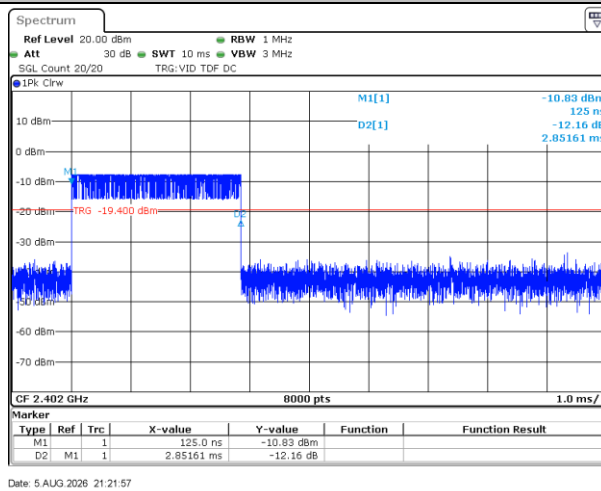
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Burst Width (ms)	Total Hops	Dwell Time (s)	Limit (s)	Verdict
1	NTNV	DH1 FHSS	2402	1Mbps	ANT1	0.37	32	0.12	≤0.4	Pass
2	NTNV	DH3 FHSS	2402	1Mbps	ANT1	1.61	16	0.26	≤0.4	Pass
3	NTNV	DH5 FHSS	2402	1Mbps	ANT1	2.85	11	0.31	≤0.4	Pass
4	NTNV	2DH1 FHSS	2402	2Mbps	ANT1	0.38	32	0.12	≤0.4	Pass
5	NTNV	2DH3 FHSS	2402	2Mbps	ANT1	1.62	16	0.26	≤0.4	Pass
6	NTNV	2DH5 FHSS	2402	2Mbps	ANT1	2.86	11	0.32	≤0.4	Pass
7	NTNV	3DH1 FHSS	2402	3Mbps	ANT1	0.38	32	0.12	≤0.4	Pass
8	NTNV	3DH3 FHSS	2402	3Mbps	ANT1	1.62	16	0.26	≤0.4	Pass
9	NTNV	3DH5 FHSS	2402	3Mbps	ANT1	2.87	10	0.29	≤0.4	Pass

Test Graphs

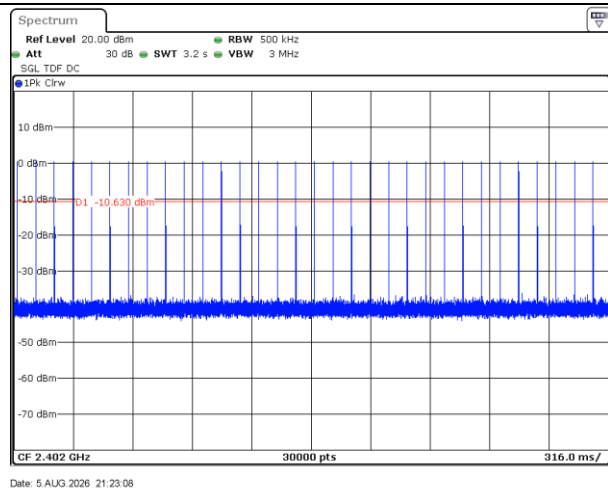
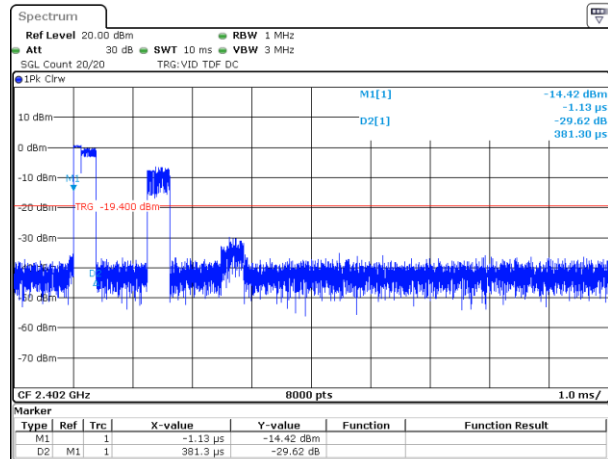




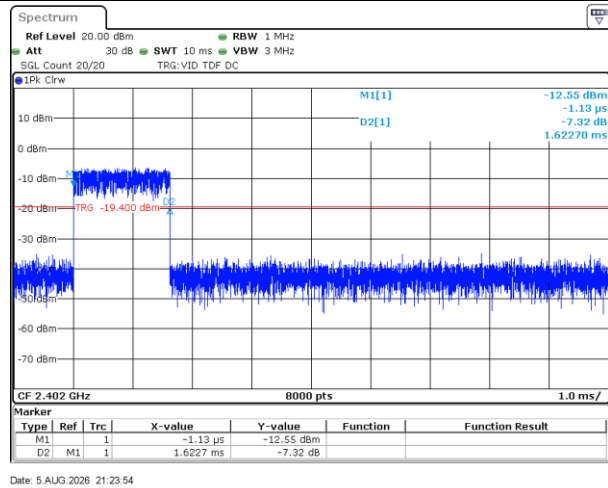
NTNV_DH5_2402_1Mbps

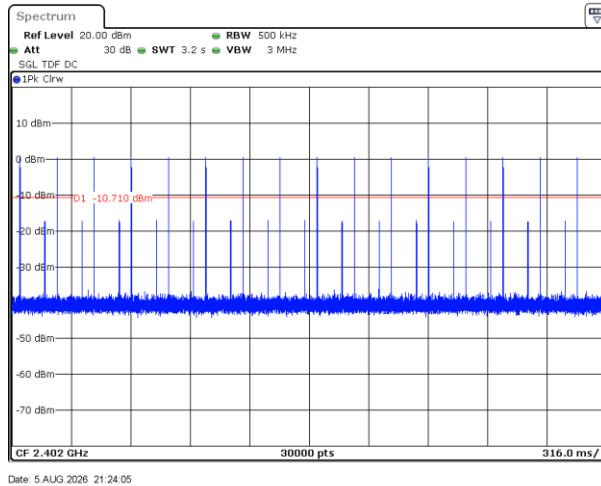


NTNV_2DH1_2402_2Mbps

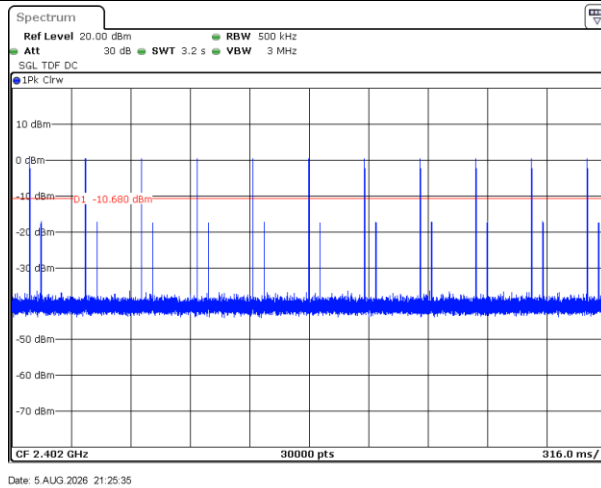
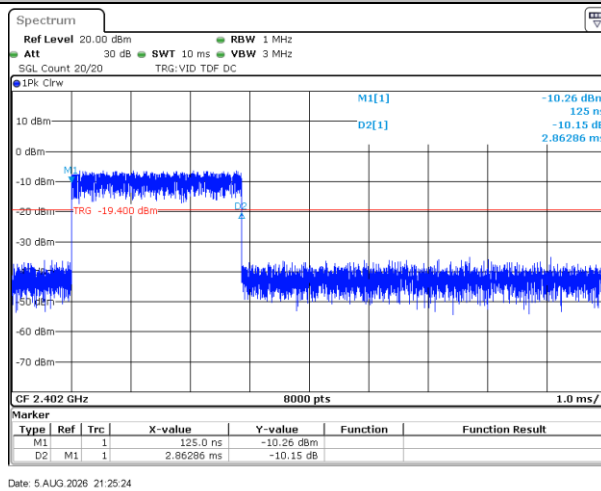


NTNV_2DH3_2402_2Mbps

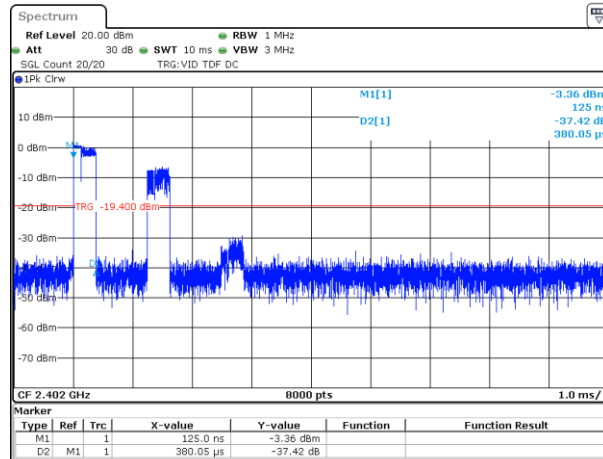




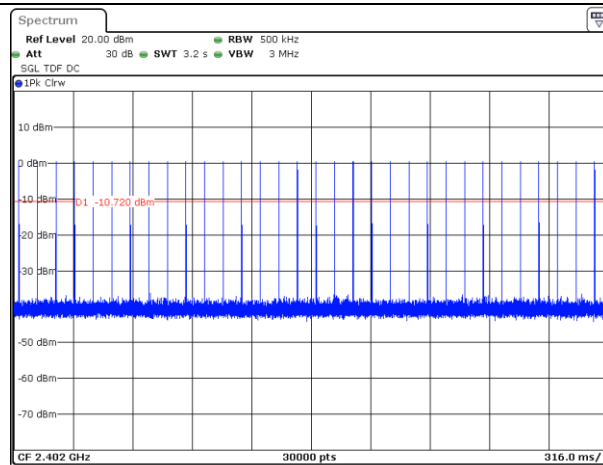
NTNV_2DH5_2402_2Mbps



NTNV_3DH1_2402_3Mbps

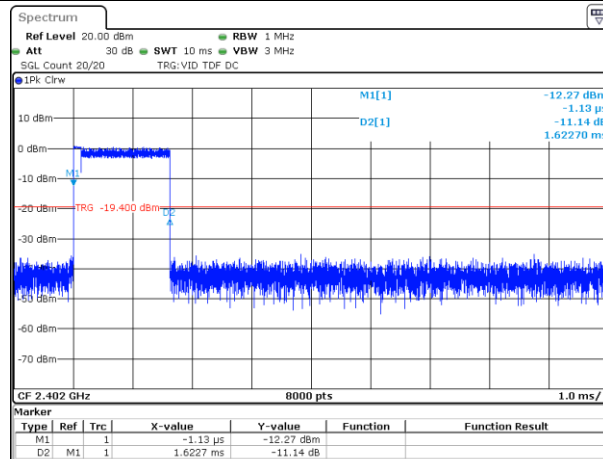


Date: 5 AUG 2026 21:27:24

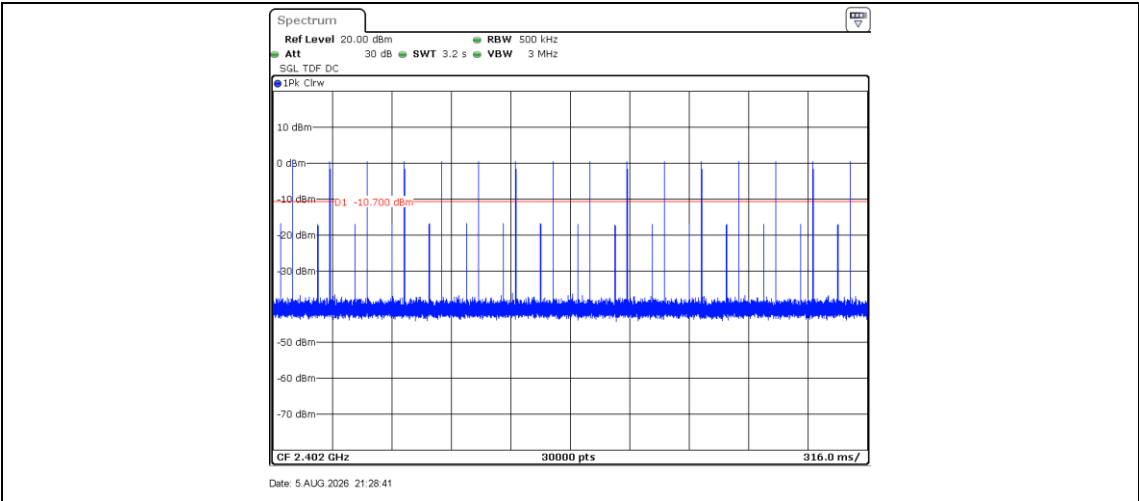


Date: 5 AUG 2026 21:27:35

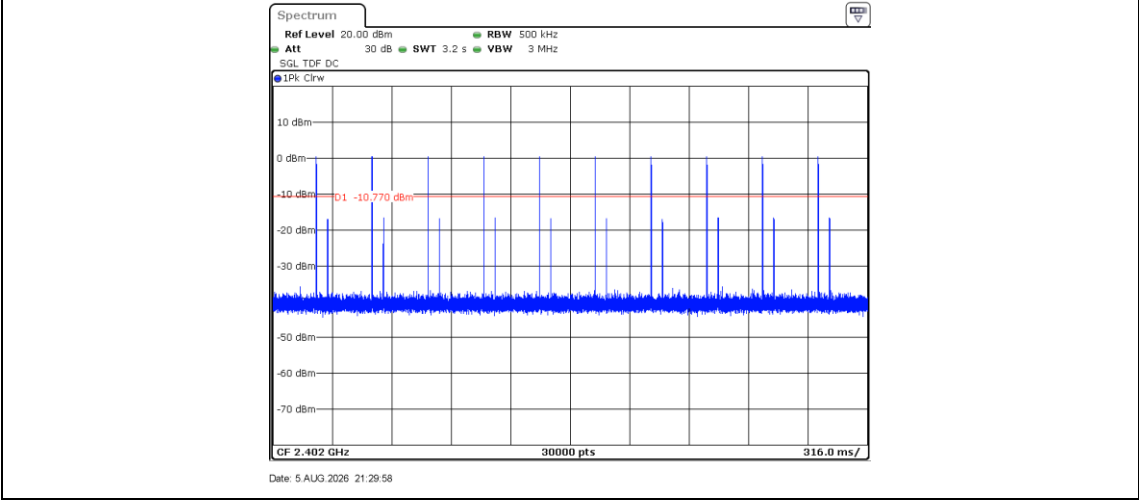
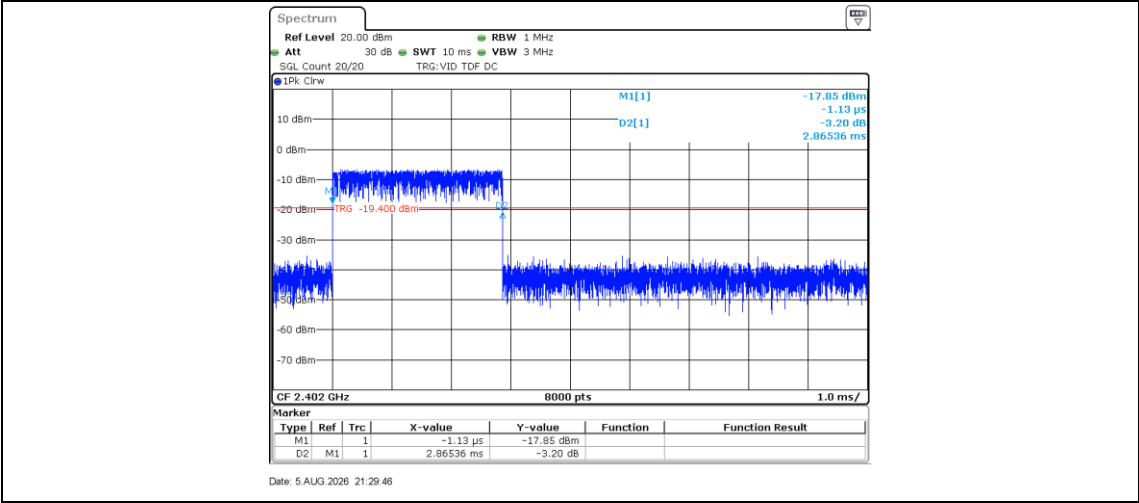
NTNV_3DH3_2402_3Mbps



Date: 5 AUG 2026 21:28:29



NTNV_3DH5_2402_3Mbps



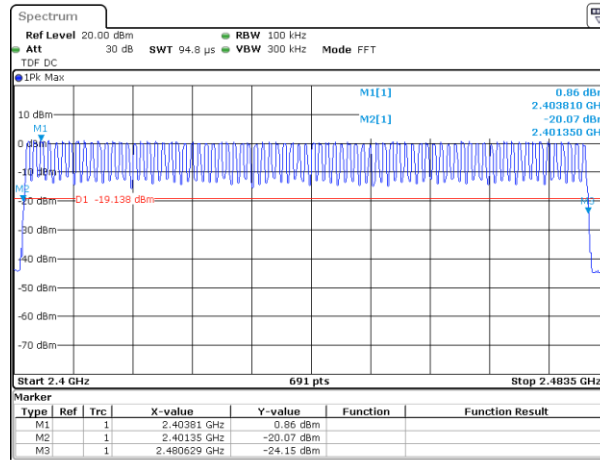
Appendix F: Number of hopping channels

Test Result

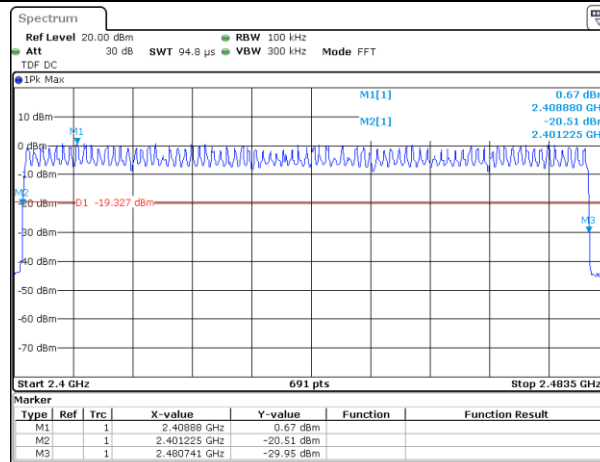
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Result (Num)	Limit (Num)	Verdict
1	NTNV	DH5 FHSS	2441	1Mbps	ANT1	79	≥ 15	Pass
2	NTNV	2DH5 FHSS	2441	2Mbps	ANT1	79	≥ 15	Pass
3	NTNV	3DH5 FHSS	2441	3Mbps	ANT1	79	≥ 15	Pass

Test Graphs

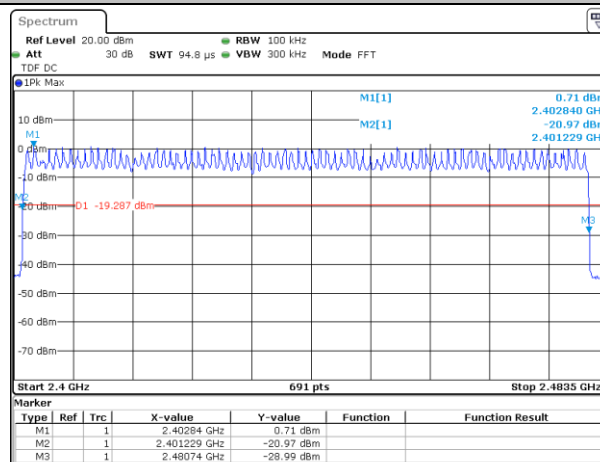
NTNV_DH5_2441_1Mbps



NTNV_2DH5_2441_2Mbps



NTNV_3DH5_2441_3Mbps



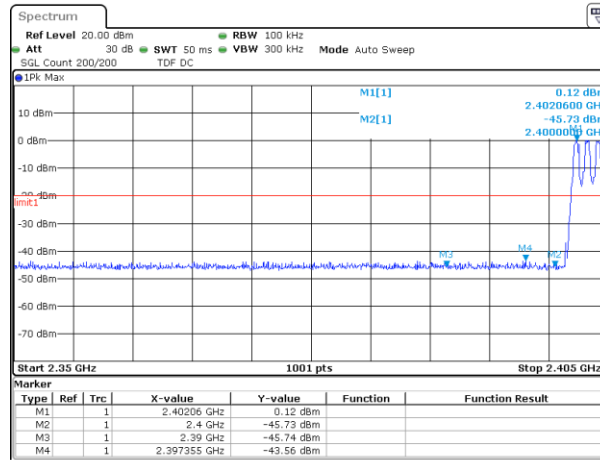
Appendix G: Band edge measurements

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Reference (dBm)	Emission Level (dBm)	Limit (dBm)	Verdict
7	NTNV	DH5 FHSS	2402	1Mbps	ANT1	0.12	-43.56	≤ -19.88	Pass
8	NTNV	DH5 FHSS	2480	1Mbps	ANT1	-0.2	-43.36	≤ -20.2	Pass
9	NTNV	2DH5 FHSS	2402	1Mbps	ANT1	-0.84	-43.27	≤ -20.84	Pass
10	NTNV	2DH5 FHSS	2480	1Mbps	ANT1	-0.93	-43.12	≤ -20.93	Pass
11	NTNV	3DH5 FHSS	2402	1Mbps	ANT1	0.32	-43.25	≤ -19.68	Pass
12	NTNV	3DH5 FHSS	2480	1Mbps	ANT1	-0.31	-43.16	≤ -20.31	Pass
1	NTNV	DH5	2402	1Mbps	ANT1	-0.01	-43.97	≤ -20.01	Pass
2	NTNV	DH5	2480	1Mbps	ANT1	-0.39	-44.12	≤ -20.39	Pass
3	NTNV	2DH5	2402	2Mbps	ANT1	-0.02	-43.71	≤ -20.02	Pass
4	NTNV	2DH5	2480	2Mbps	ANT1	-1.01	-43.96	≤ -21.01	Pass
5	NTNV	3DH5	2402	3Mbps	ANT1	-1.05	-44.05	≤ -21.05	Pass
6	NTNV	3DH5	2480	3Mbps	ANT1	-1.34	-44.38	≤ -21.34	Pass

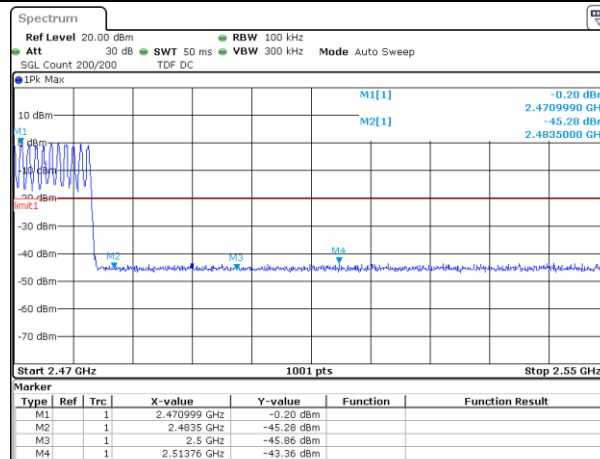
Test Graphs

NTNV_DH5_2402_1Mbps



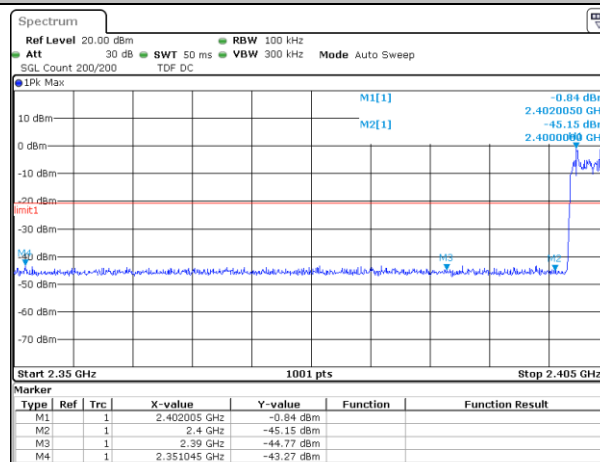
Date: 5 AUG 2026 21:30:35

NTNV_DH5_2480_1Mbps



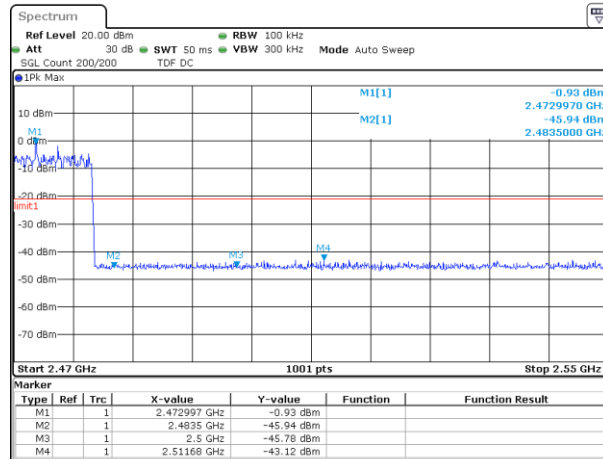
Date: 5 AUG 2026 21:31:51

NTNV_2DH5_2402_1Mbps



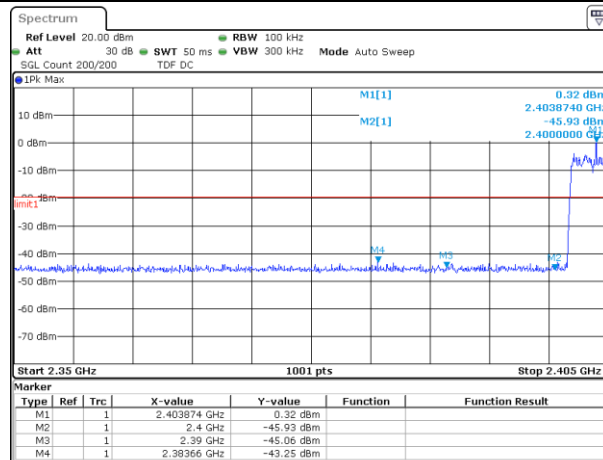
Date: 5 AUG 2026 21:33:30

NTNV_2DH5_2480_1Mbps



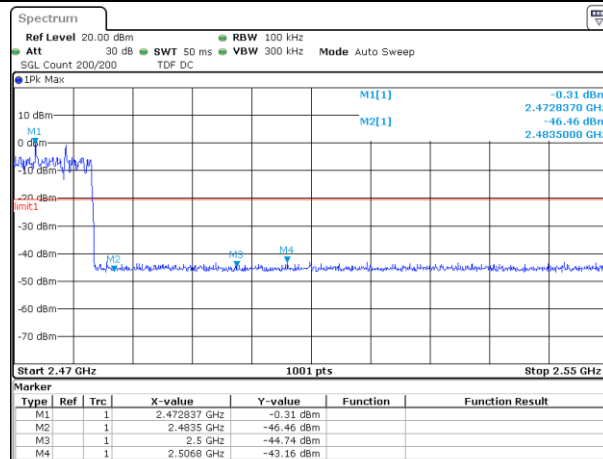
Date: 5 AUG 2026 21:34:54

NTNV_3DH5_2402_1Mbps



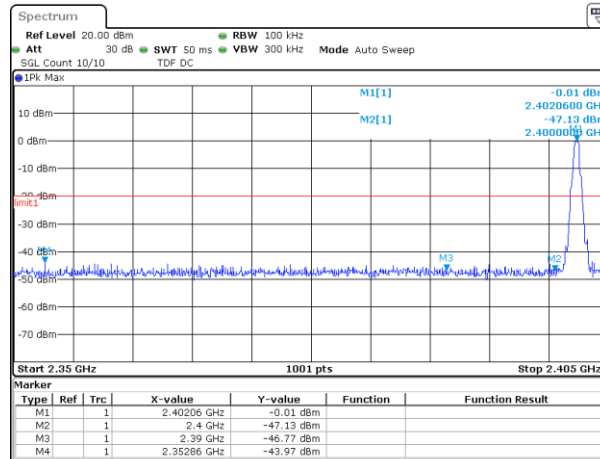
Date: 5 AUG 2026 21:35:20

NTNV_3DH5_2480_1Mbps



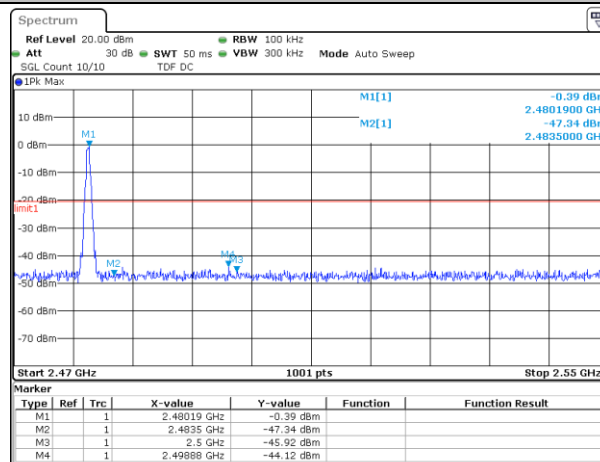
Date: 5 AUG 2026 21:35:55

NTNV_DH5_2402_1Mbps



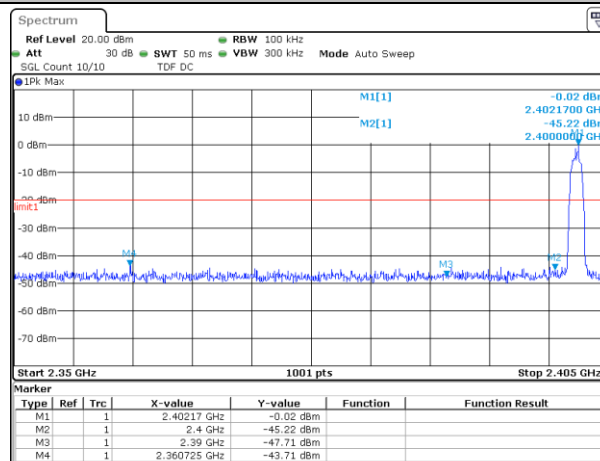
Date: 5 AUG 2026 20:02:32

NTNV_DH5_2480_1Mbps



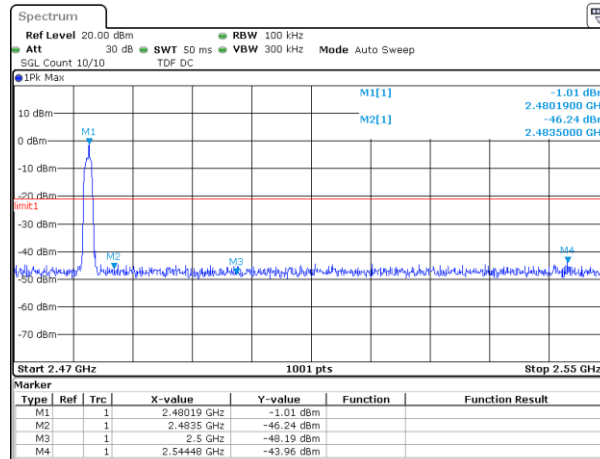
Date: 5 AUG 2026 20:05:50

NTNV_2DH5_2402_2Mbps



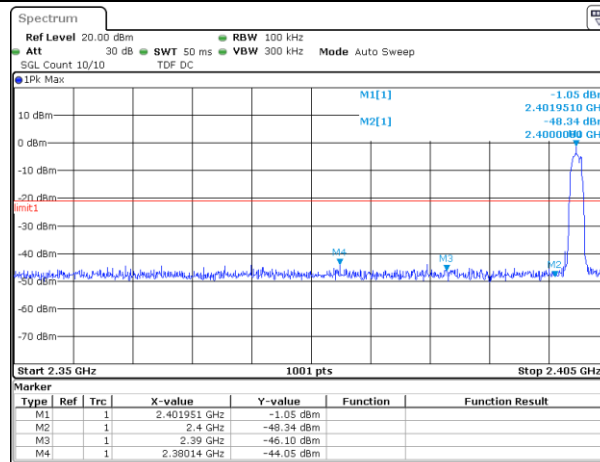
Date: 5 AUG 2026 20:07:41

NTNV_2DH5_2480_2Mbps



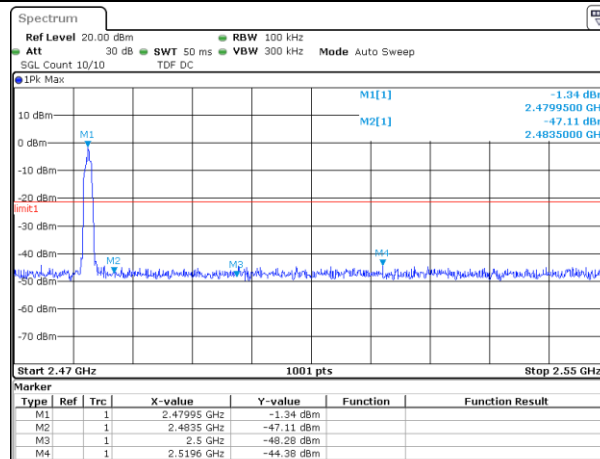
Date: 5 AUG 2026 20:11:11

NTNV_3DH5_2402_3Mbps



Date: 5 AUG 2026 20:17:13

NTNV_3DH5_2480_3Mbps



Date: 5 AUG 2026 20:23:35

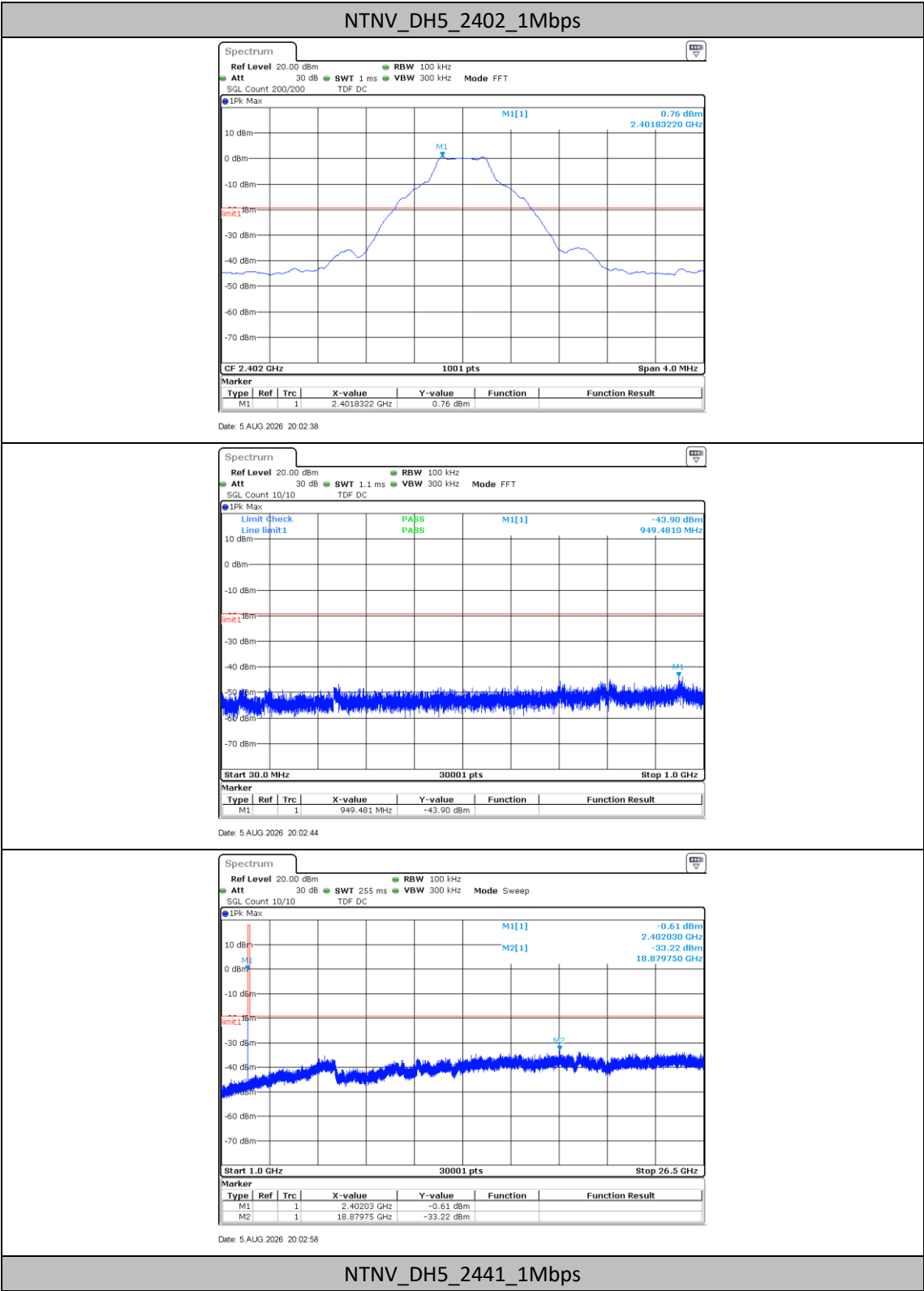
Appendix H: Conducted Spurious Emission

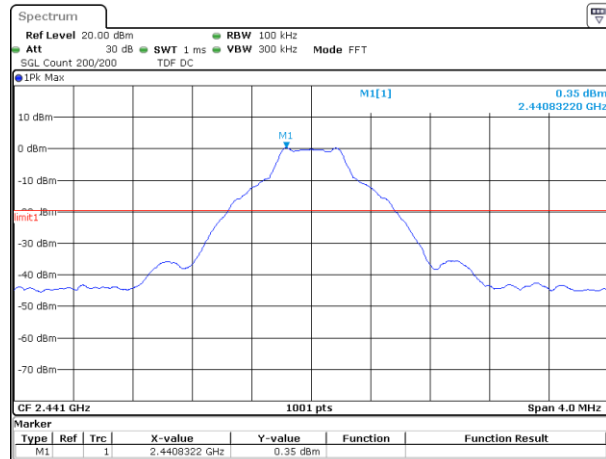
Test Result

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	0.76	/	/
						30~1000	0.1	-43.90	≤-19.24	Pass
						1000~26500	0.1	-33.22	≤-19.24	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	Reference	0.1	0.35	/	/
						30~1000	0.1	-44.88	≤-19.65	Pass
						1000~26500	0.1	-33.53	≤-19.65	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	Reference	0.1	-0.19	/	/
						30~1000	0.1	-44.88	≤-20.19	Pass
						1000~26500	0.1	-33.06	≤-20.19	Pass
4	NTNV	2DH5	2402	2Mbps	ANT1	Reference	0.1	0.63	/	/
						30~1000	0.1	-44.90	≤-19.37	Pass
						1000~26500	0.1	-32.77	≤-19.37	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	Reference	0.1	0.24	/	/
						30~1000	0.1	-44.35	≤-19.76	Pass
						1000~26500	0.1	-33.51	≤-19.76	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	Reference	0.1	-0.34	/	/
						30~1000	0.1	-43.98	≤-20.34	Pass
						1000~26500	0.1	-33.82	≤-20.34	Pass
7	NTNV	3DH5	2402	3Mbps	ANT1	Reference	0.1	0.81	/	/
						30~1000	0.1	-43.94	≤-19.19	Pass
						1000~26500	0.1	-33.55	≤-19.19	Pass
8	NTNV	3DH5	2441	3Mbps	ANT1	Reference	0.1	0.38	/	/
						30~1000	0.1	-44.62	≤-19.62	Pass
						1000~26500	0.1	-33.09	≤-19.62	Pass
9	NTNV	3DH5	2480	3Mbps	ANT1	Reference	0.1	-0.16	/	/

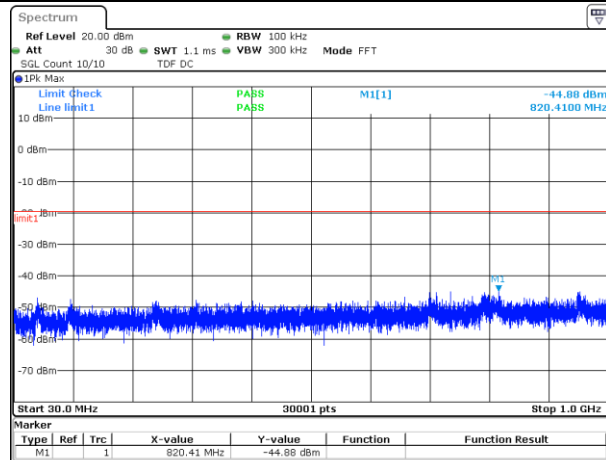
						30~1000	0.1	-44.28	≤ -20.16	Pass
						1000~26500	0.1	-33.06	≤ -20.16	Pass

Test Graphs

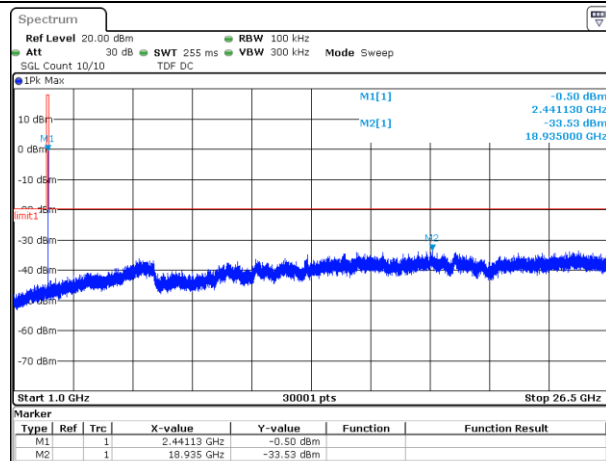




Date: 5 AUG 2026 20:04:21

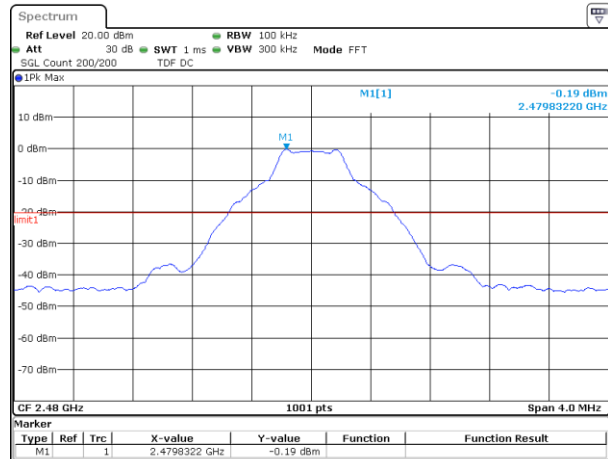


Date: 5 AUG 2026 20:04:27

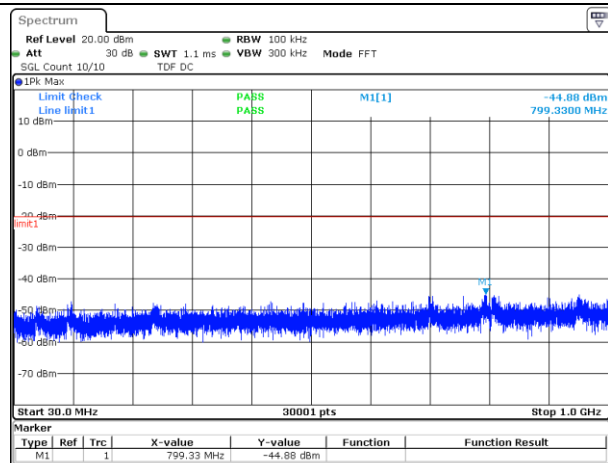


Date: 5 AUG 2026 20:04:41

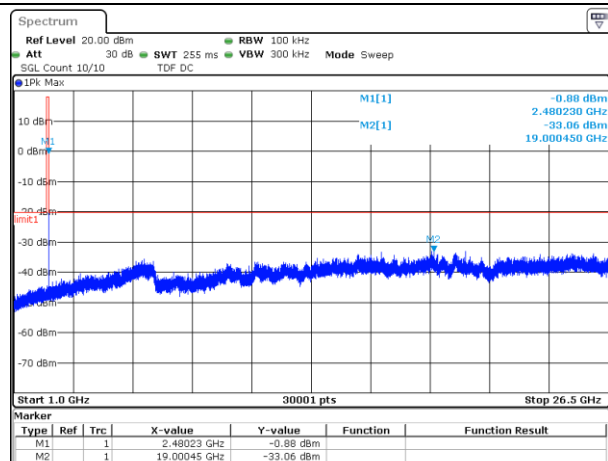
NTNV_DH5_2480_1Mbps



Date: 5 AUG 2026 20:05:55

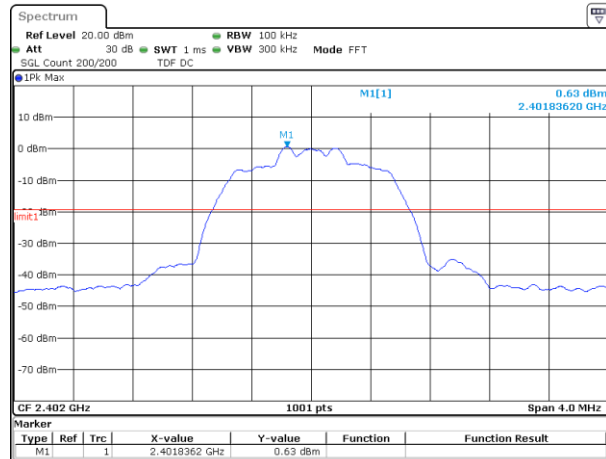


Date: 5 AUG 2026 20:06:02

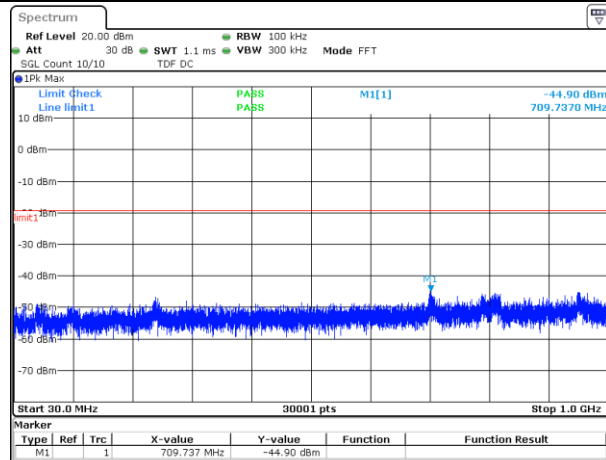


Date: 5 AUG 2026 20:06:16

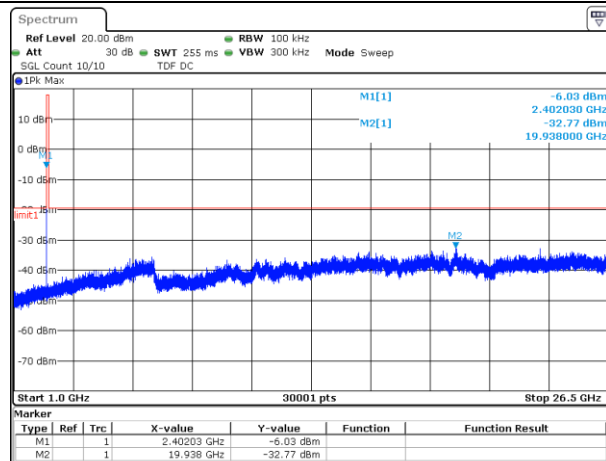
NTNV_2DH5_2402_2Mbps



Date: 5 AUG 2026 20:07:47

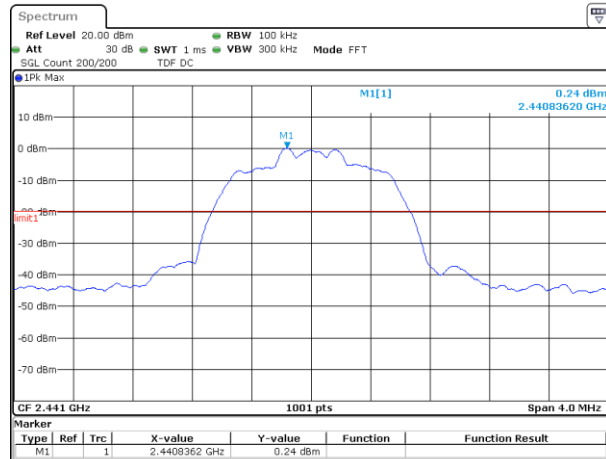


Date: 5 AUG 2026 20:07:53

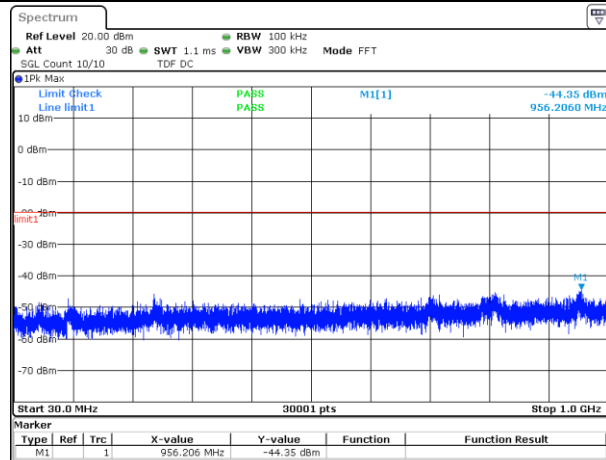


Date: 5 AUG 2026 20:08:07

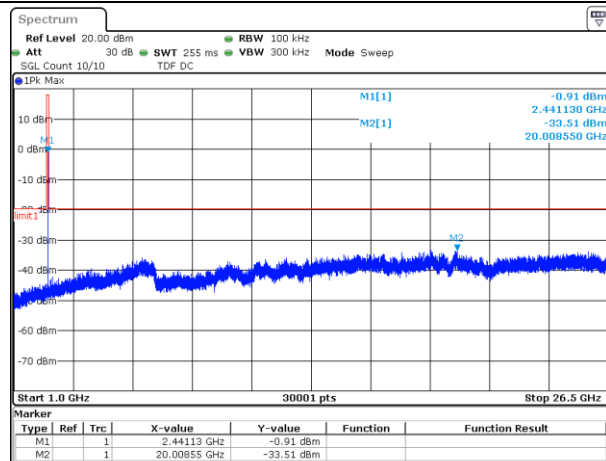
NTNV_2DH5_2441_2Mbps



Date: 5 AUG 2026 20:09:30

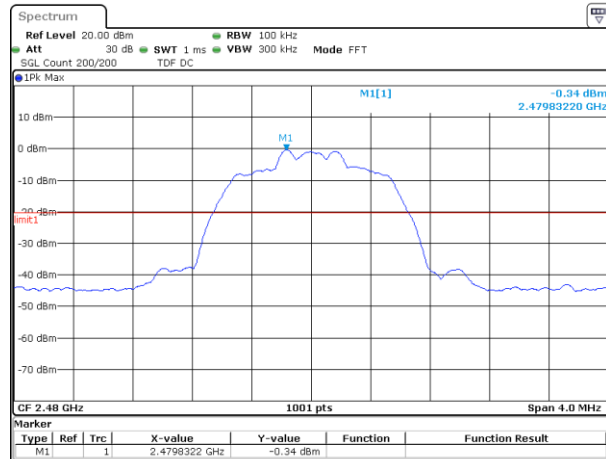


Date: 5 AUG 2026 20:09:36

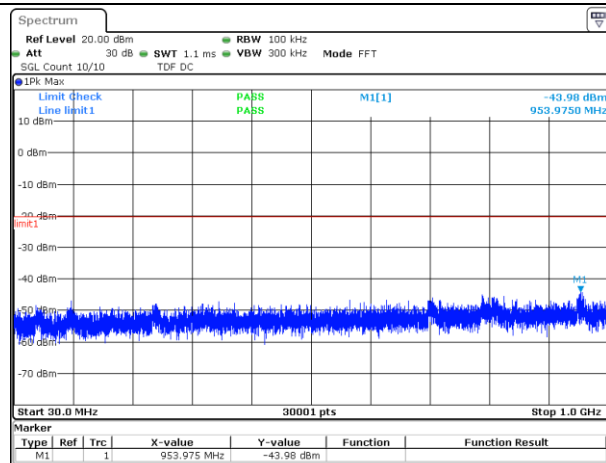


Date: 5 AUG 2026 20:09:50

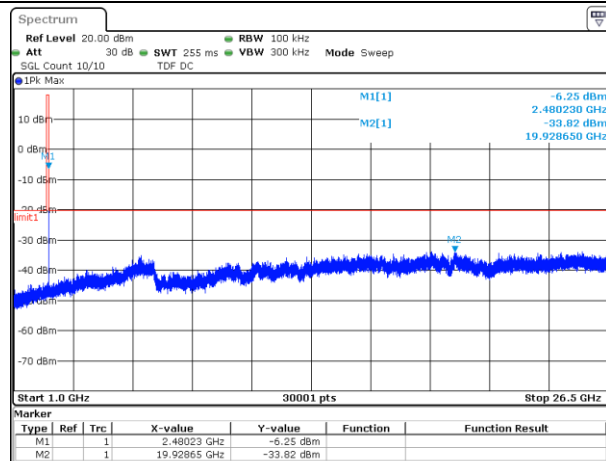
NTNV_2DH5_2480_2Mbps



Date: 5 AUG 2026 20:11:16

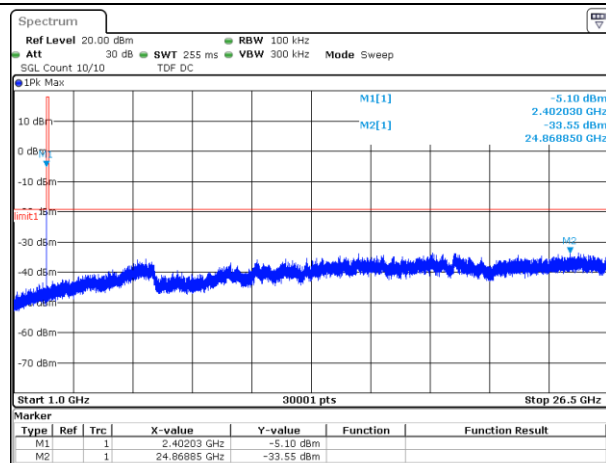
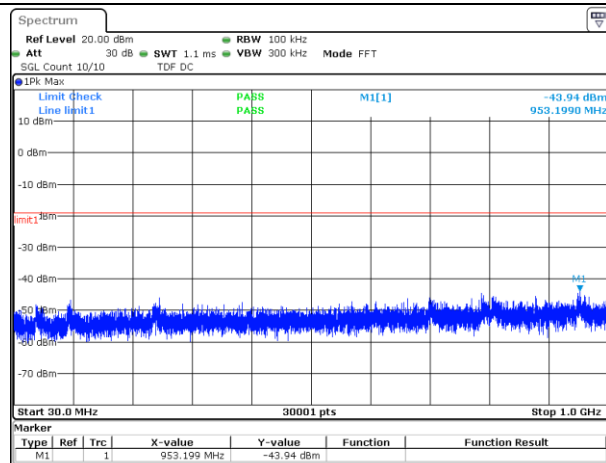
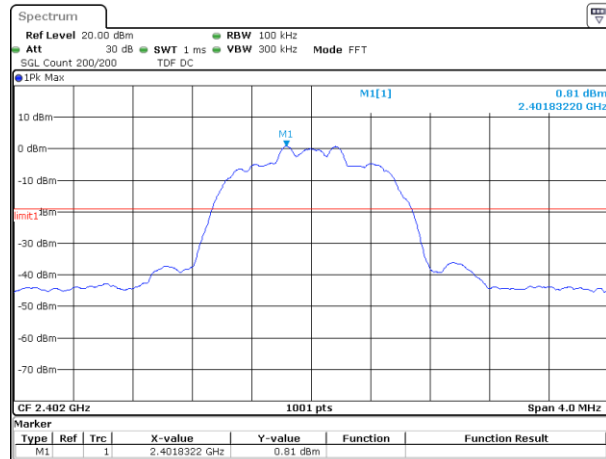


Date: 5 AUG 2026 20:11:23

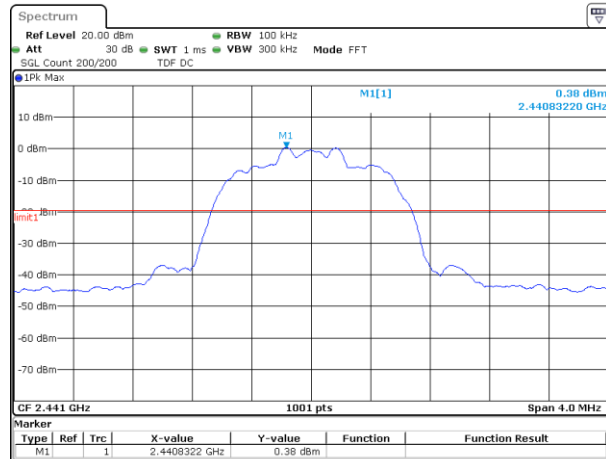


Date: 5 AUG 2026 20:11:37

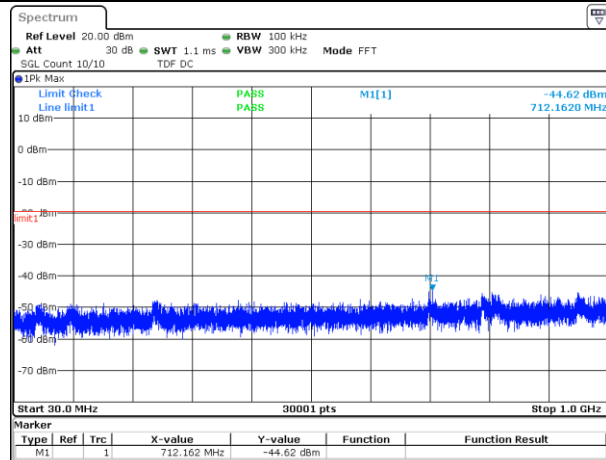
NTNV_3DH5_2402_3Mbps



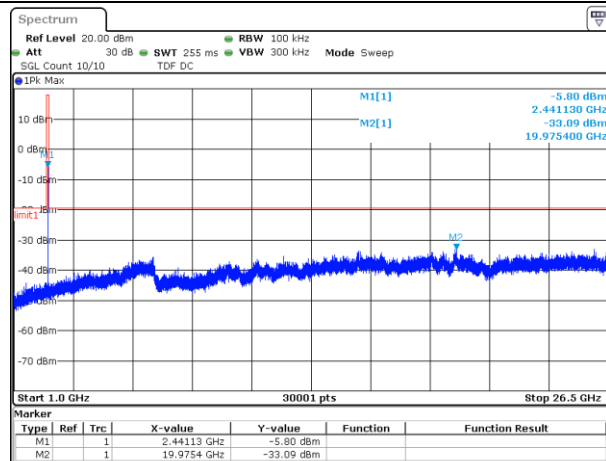
NTNV_3DH5_2441_3Mbps



Date: 5 AUG 2026 20:20:25

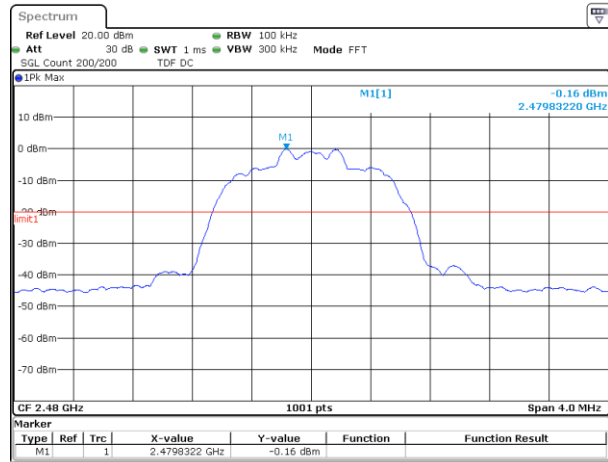


Date: 5 AUG 2026 20:20:31

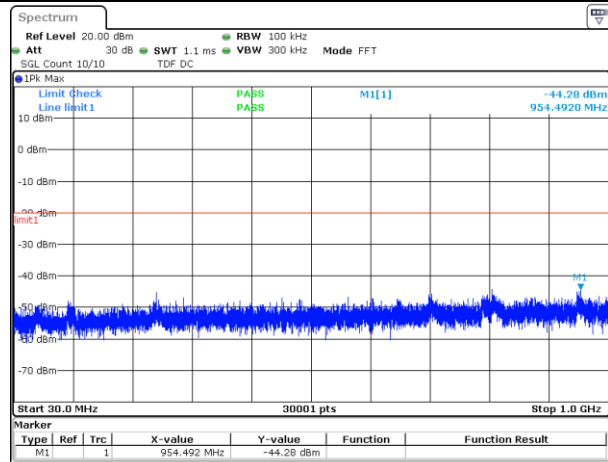


Date: 5 AUG 2026 20:20:45

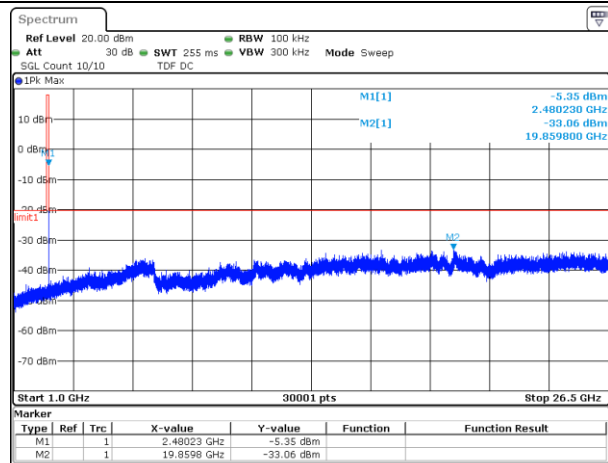
NTNV_3DH5_2480_3Mbps



Date: 5 AUG 2026 20:23:41



Date: 5 AUG 2026 20:23:47



Date: 5 AUG 2026 20:24:01

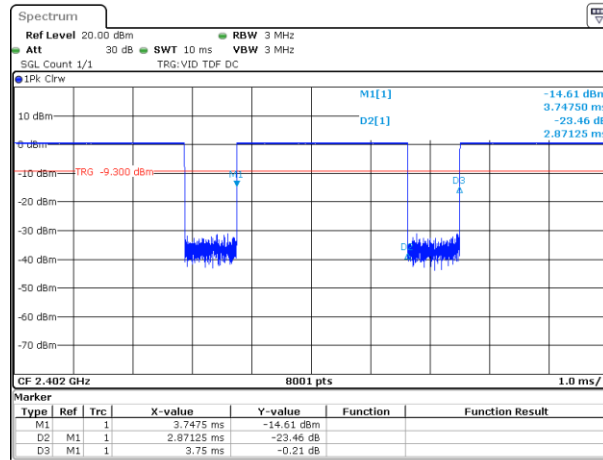
Appendix I: Duty Cycle

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	76.57
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	76.90
6	NTNV	2DH5	2480	2Mbps	ANT1	2.88	3.75	0.77	76.90
7	NTNV	3DH5	2402	3Mbps	ANT1	2.88	3.75	0.77	76.90
8	NTNV	3DH5	2441	3Mbps	ANT1	2.88	3.75	0.77	76.90
9	NTNV	3DH5	2480	3Mbps	ANT1	2.88	3.75	0.77	76.91

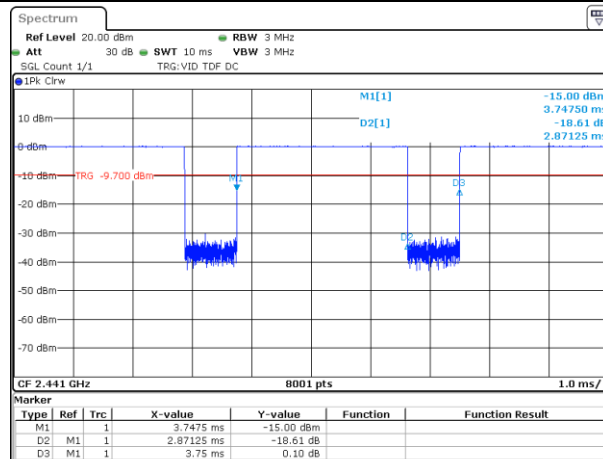
Test Graphs

NTNV_DH5_2402_1Mbps



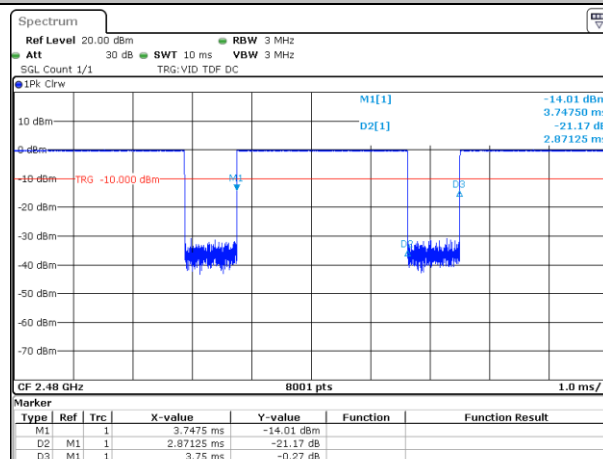
Date: 5 AUG 2026 20:02:07

NTNV_DH5_2441_1Mbps



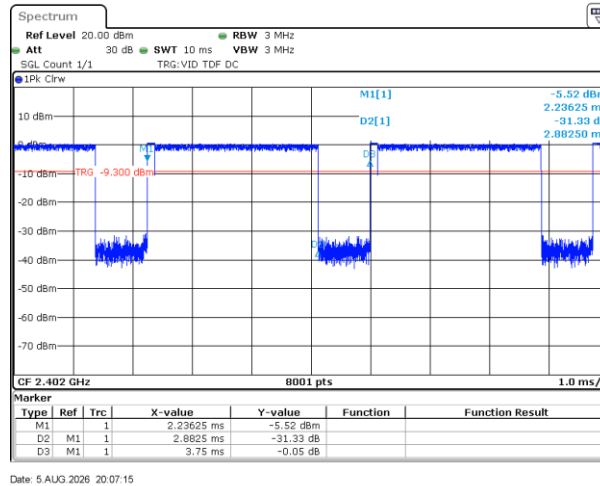
Date: 5 AUG 2026 20:03:53

NTNV_DH5_2480_1Mbps

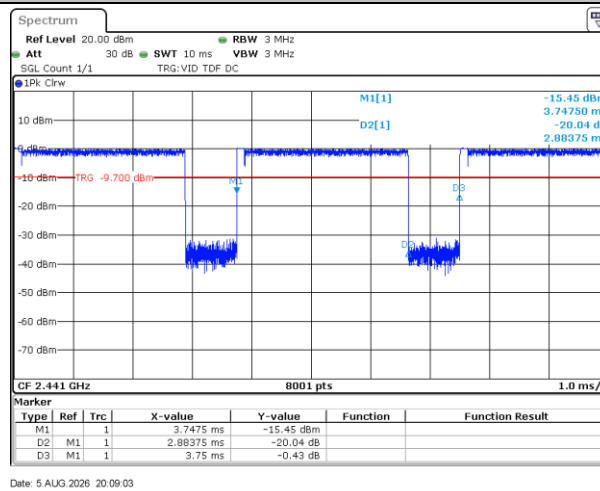


Date: 5 AUG 2026 20:05:24

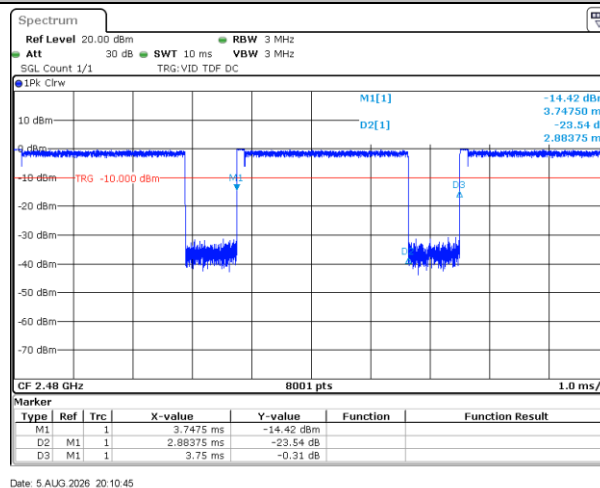
NTNV_2DH5_2402_2Mbps



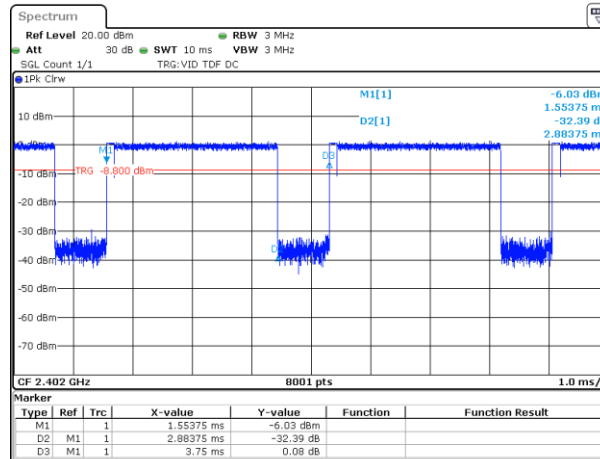
NTNV_2DH5_2441_2Mbps



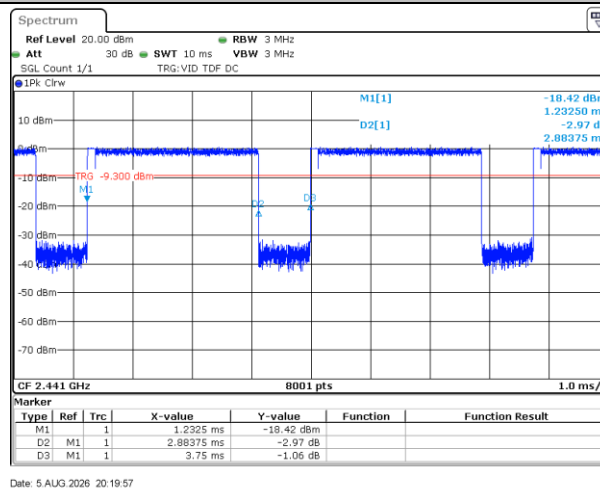
NTNV_2DH5_2480_2Mbps



NTNV_3DH5_2402_3Mbps



NTNV_3DH5_2441_3Mbps



NTNV_3DH5_2480_3Mbps

