

Appendix Test Data

Report No.:	1819C60061912501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-26	Finish Test Date:	2026-6-3
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	57%
Pressure:	101kPa		



Appendix A: Frequency_Error

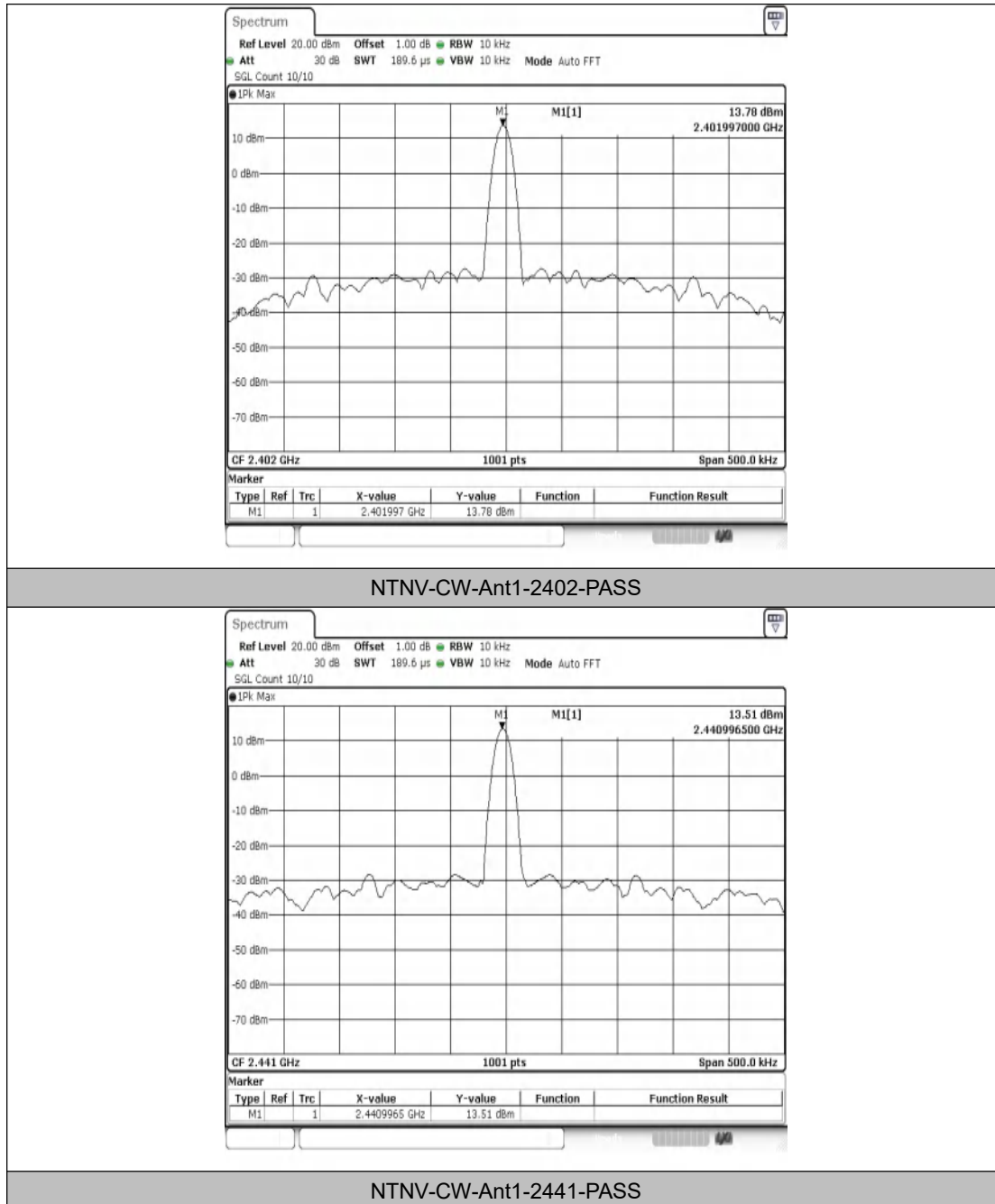
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2401.997	-1.24896	±50	PASS
NTNV	CW	Ant1	2441	2440.9965	-1.43384	±50	PASS
NTNV	CW	Ant1	2480	2479.9965	-1.41129	±50	PASS

Note: Result[ppm]= (Center Freq.[MHz] - Frequency[MHz])/ Frequency[MHz]*1000000



Test Graphs

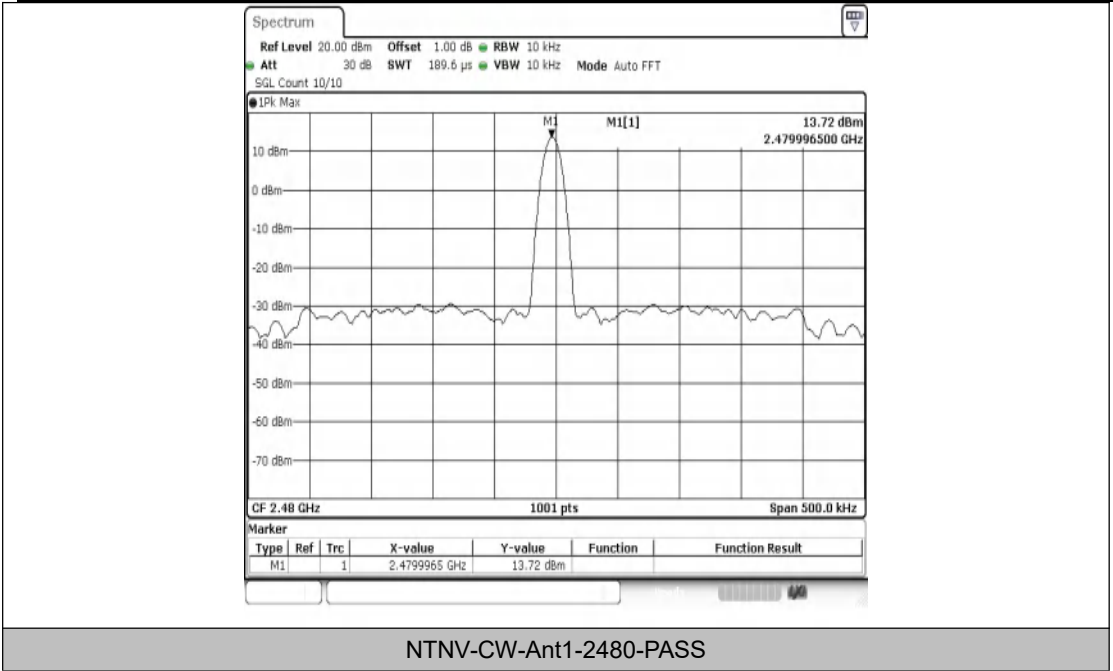


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Appendix B: Antenna Power

Test Result - Right Earbud

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Result (mW)	Spread Bandwidth (MHz)	Result [mW/MHz]	Limit [mW/MHz]	Verdict
NTNV	DH5	Ant1	Hop	18.86	76.9130	71.928	1.0693	≤3	PASS
NTNV	2DH5	Ant1	Hop	20.46	111.1732	72.128	1.5413	≤3	PASS
NTNV	3DH5	Ant1	Hop	20.59	114.5513	71.928	1.5926	≤3	PASS

Note: $\text{Result(mW)} = 10^{(\text{Test Result(dBm)}/10)}$

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
NTNV	DH5	Ant1	Hop	1.0693	2	-46.54	+20	PASS
NTNV	2DH5	Ant1	Hop	1.5413	2	-22.94	+20	PASS
NTNV	3DH5	Ant1	Hop	1.5926	2	-20.37	+20	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [dBm/MHz]	Gain [dBi]	EIRP (dBm/MHz)	Limit (dBm/MHz)	Verdict
NTNV	DH5	Ant1	Hop	0.29	-0.56	-0.27	≤6.91	PASS
NTNV	2DH5	Ant1	Hop	1.88	-0.56	1.32	≤6.91	PASS
NTNV	3DH5	Ant1	Hop	2.02	-0.56	1.46	≤6.91	PASS

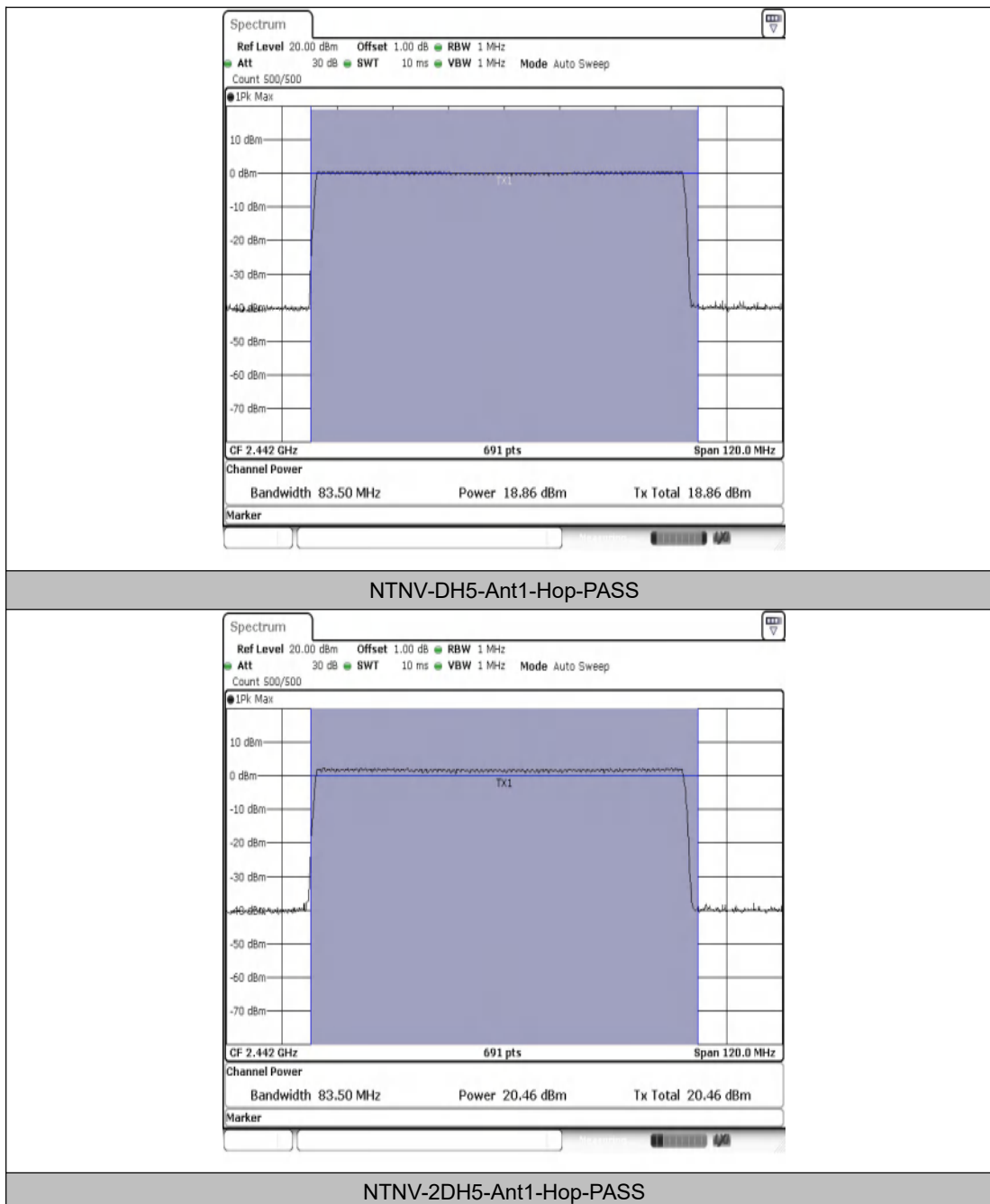
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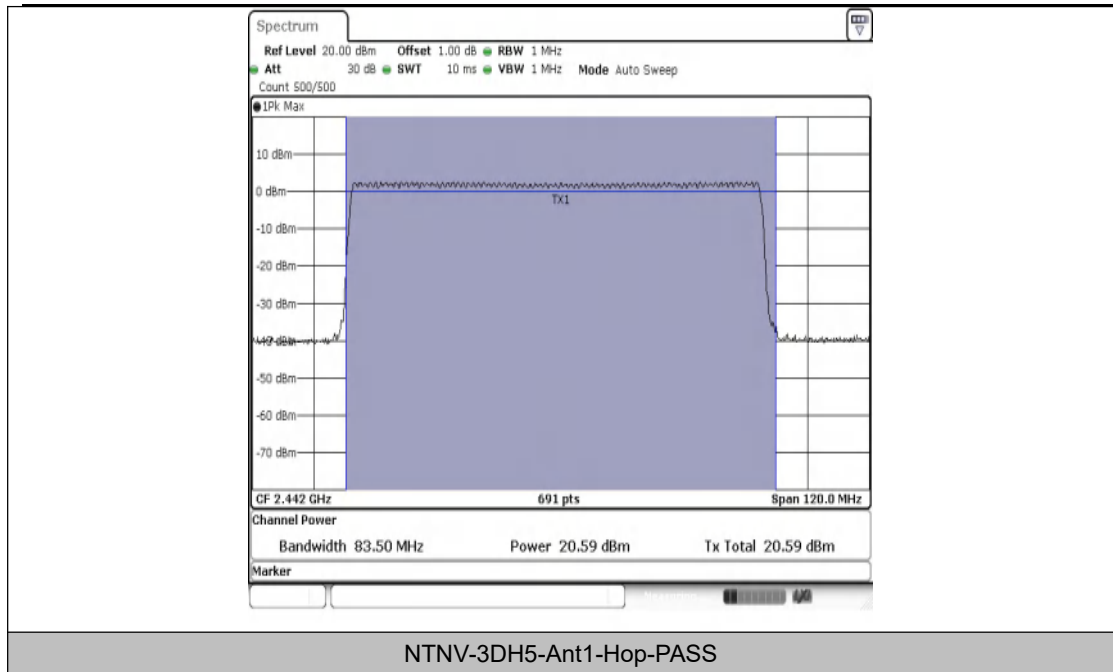
$\text{Result(dBm)} = 10 \log(\text{Power (mW)})$

$\text{EIRP(dBm/MHz)} = \text{antenna power(dBm/MHz)} + \text{antenna gain(dBi)}$



Test Graphs - Right Earbud





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Test Result- Left Earbud

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Result(mW)	Spread Bandwidth (MHz)	Result[mW/MHz]	Limit[mW/MHz]	Verdict
NTNV	DH5	Ant1	Hop	18.21	66.2217	71.928	0.9232	≤3	PASS
NTNV	2DH5	Ant1	Hop	19.80	95.4993	72.128	1.3314	≤3	PASS
NTNV	3DH5	Ant1	Hop	19.83	96.1612	71.928	1.3369	≤3	PASS

Note: Result(mW)= $10^{(\text{Test Result(dBm)}/10)}$

Test Condition	Test Mode	Antenna	Frequency[MHz]	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
NTNV	DH5	Ant1	Hop	0.9232	2	-53.84	+20	PASS
NTNV	2DH5	Ant1	Hop	1.3314	2	-33.43	+20	PASS
NTNV	3DH5	Ant1	Hop	1.3369	2	-33.16	+20	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Power[dBm/MHz]	Gain[dBi]	EIRP(dBm/MHz)	Limit(dBm/MHz)	Verdict
NTNV	DH5	Ant1	Hop	-0.35	0.05	-0.30	≤6.91	PASS
NTNV	2DH5	Ant1	Hop	1.24	0.05	1.29	≤6.91	PASS
NTNV	3DH5	Ant1	Hop	1.26	0.05	1.31	≤6.91	PASS

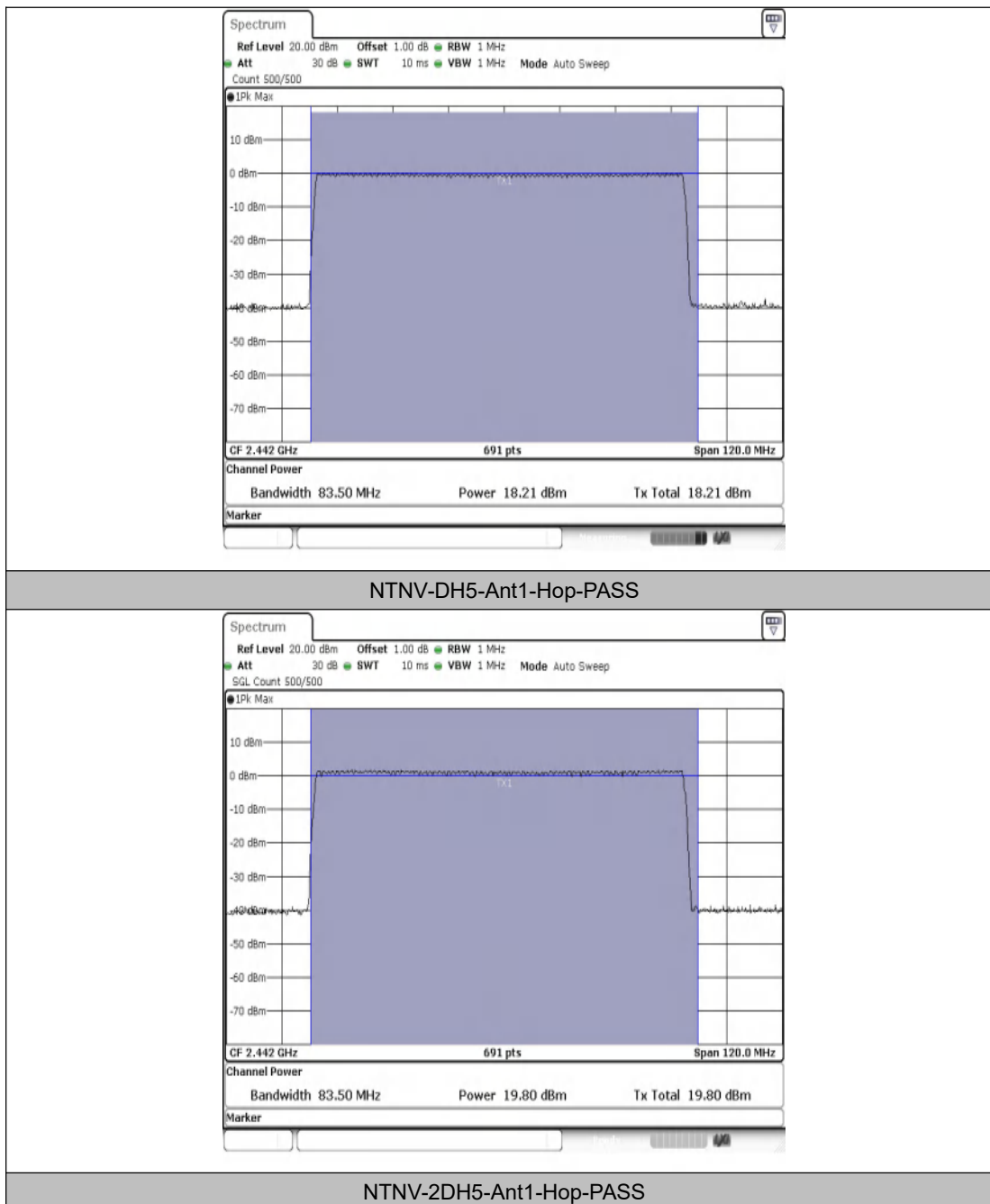
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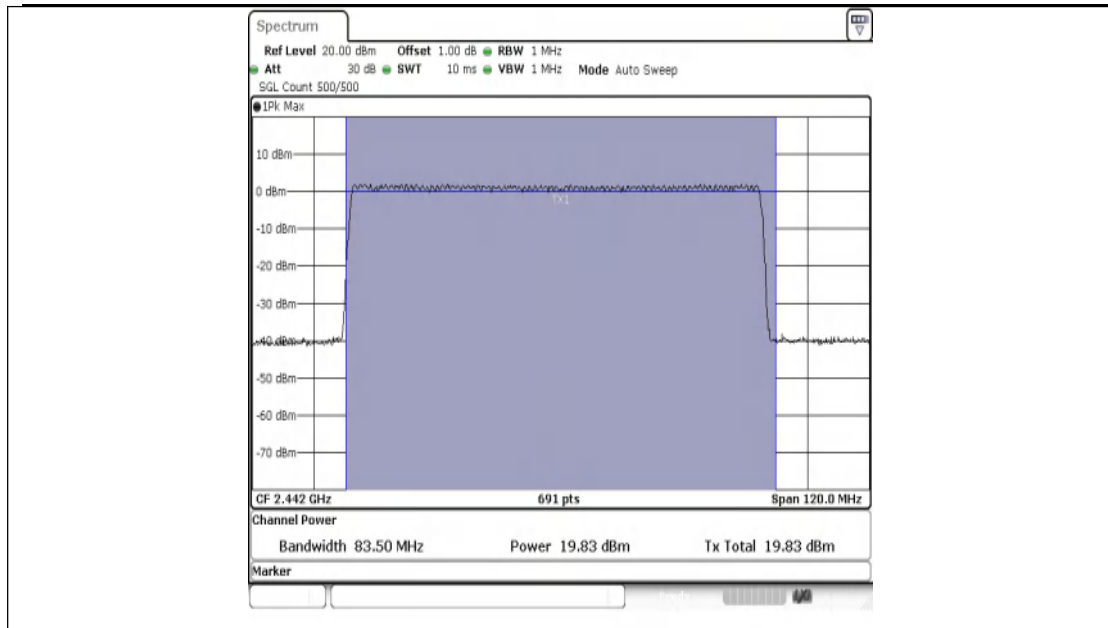
Result(dBm)=10log(Power (mW))

EIRP(dBm/MHz)=antenna power(dBm/MHz)+antenna gain(dBi)



Test Graphs- Left Earbud





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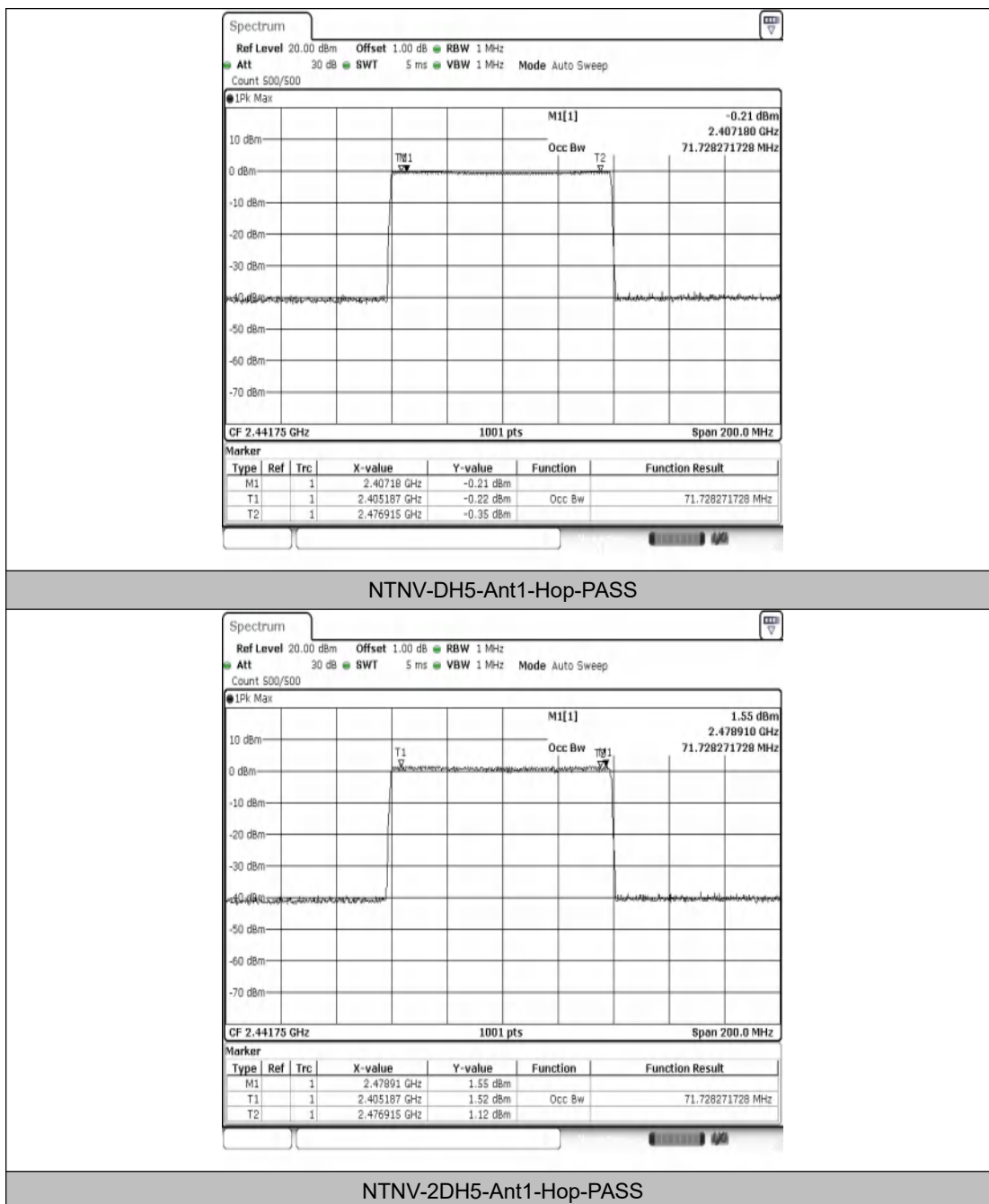
Appendix D: Spread Bandwidth

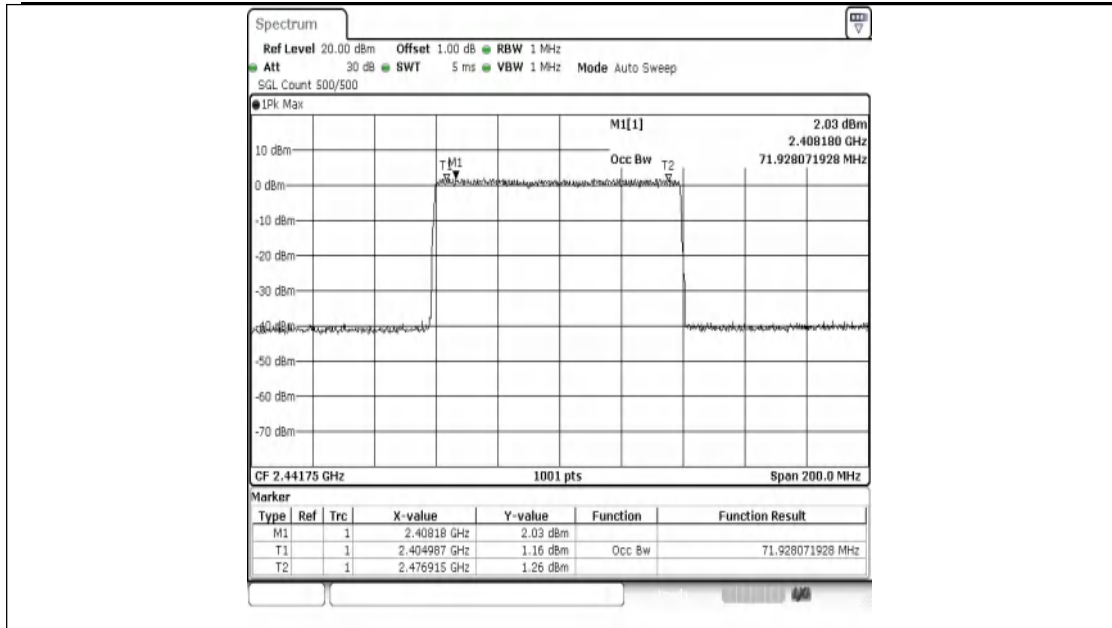
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]
NTNV	DH5	Ant1	Hop	71.728
NTNV	2DH5	Ant1	Hop	71.728
NTNV	3DH5	Ant1	Hop	71.928



Test Graphs





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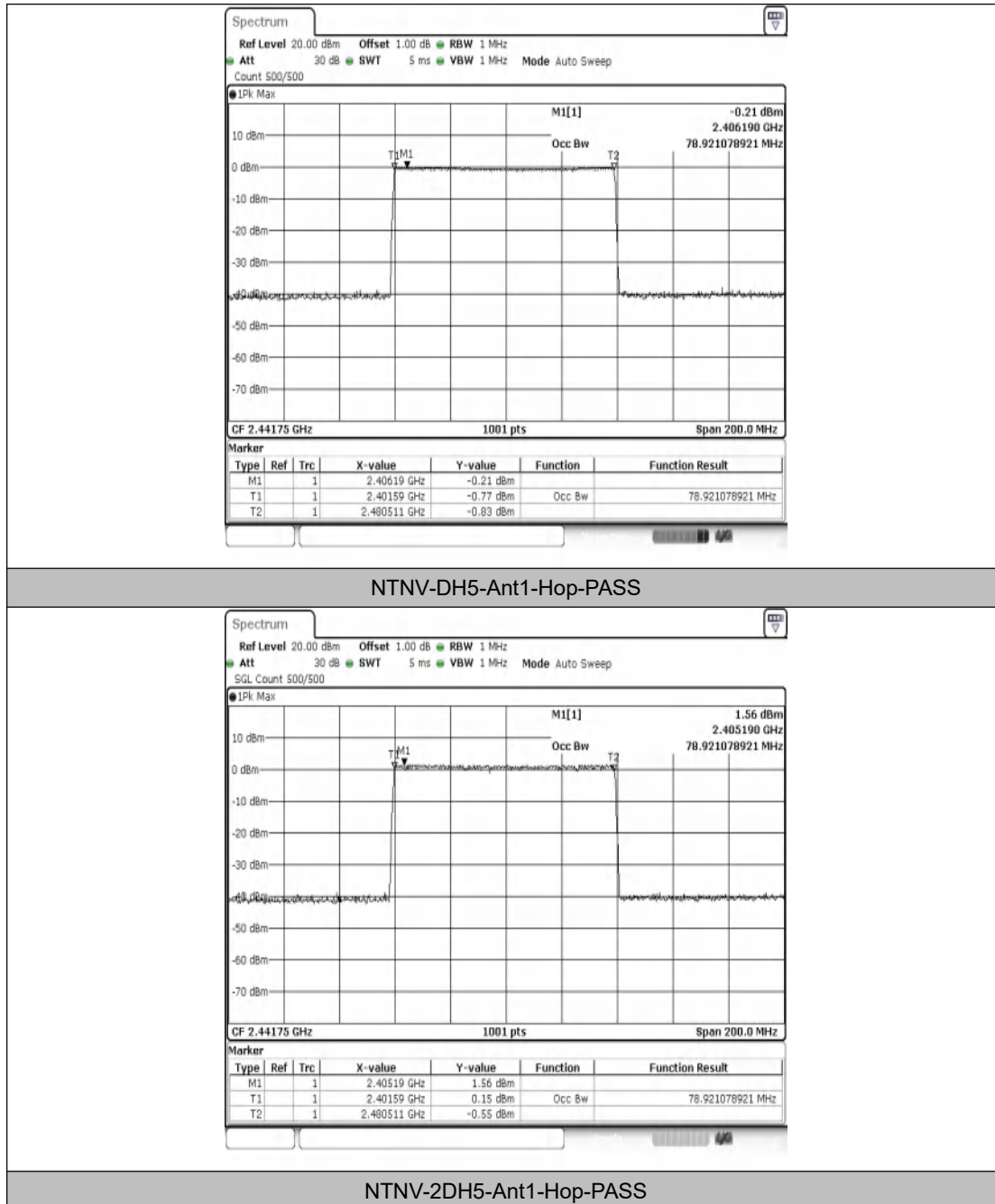
Appendix C: Occupied Bandwidth

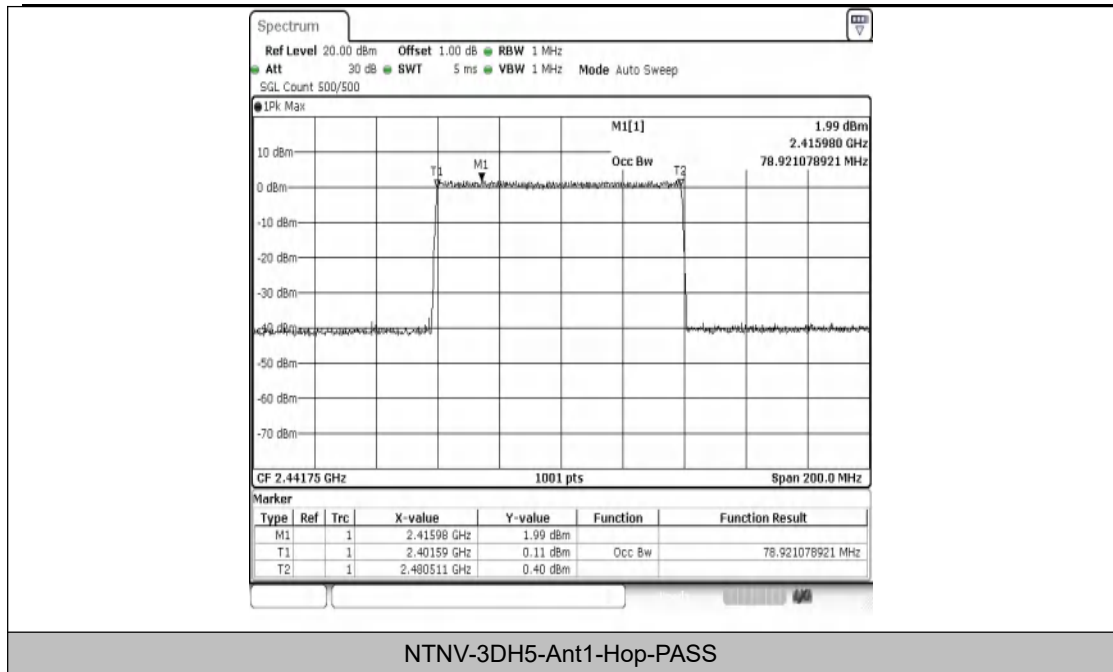
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	Hop	78.921	≤83.5	PASS
NTNV	2DH5	Ant1	Hop	78.921	≤83.5	PASS
NTNV	3DH5	Ant1	Hop	78.921	≤83.5	PASS



Test Graphs





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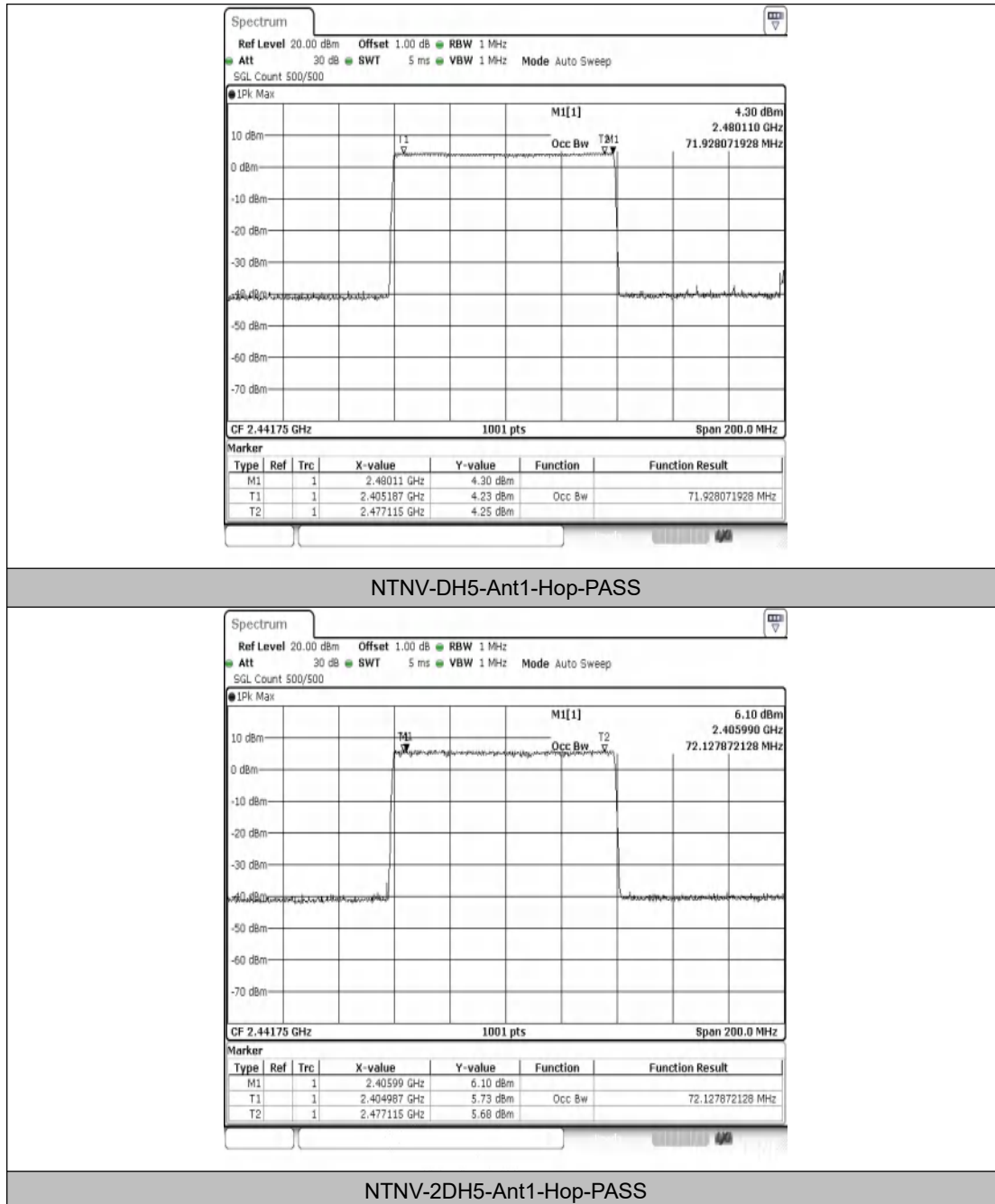
Appendix D: Spread Bandwidth

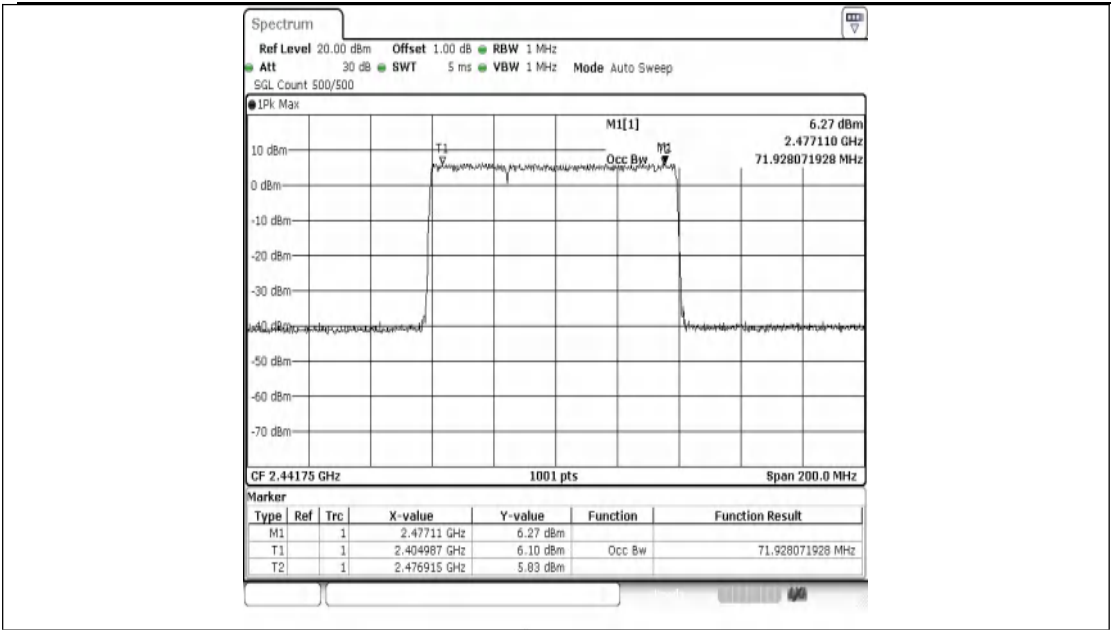
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]
NTNV	DH5	Ant1	Hop	71.928
NTNV	2DH5	Ant1	Hop	72.128
NTNV	3DH5	Ant1	Hop	71.928



Test Graphs





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Appendix E: Spurious Emission of TX

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTNV	DH5	Ant1	2402	30~1000	653.95	-50.18	≤ -26	0.00959	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	1000~2387	1200.77	-36.15	≤ -26	0.24266	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	2387~2400	2399.99	-18.46	≤ -16	14.25608	≤ 25	See table below
NTNV	DH5	Ant1	2402	2483.5~2496.5	2492.84	-37.83	≤ -16	0.16482	≤ 25	PASS
NTNV	DH5	Ant1	2402	2496.5~13000	3602.52	-38.97	≤ -26	0.12677	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	30~1000	933.31	-50.09	≤ -26	0.00979	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	1000~2387	1201.12	-36.04	≤ -26	0.24889	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	2387~2400	2399.99	-18.55	≤ -16	13.96368	≤ 25	See table below
NTNV	DH5	Ant1	2441	2483.5~2496.5	2489.08	-38.02	≤ -16	0.15776	≤ 25	PASS
NTNV	DH5	Ant1	2441	2496.5~13000	3603.04	-39.25	≤ -26	0.11885	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	30~1000	472.32	-50.43	≤ -26	0.00906	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	1000~2387	1201.12	-36.05	≤ -26	0.24831	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	2387~2400	2400	-18.34	≤ -16	14.65548	≤ 25	See table below
NTNV	DH5	Ant1	2480	2483.5~2483	2483	-29.30	≤ -16	1.174	≤ 25	PASS



	5			496.5	.51			90		S
NTNV	DH 5	Ant1	2480	2496.5~1 3000	3602 .52	-39.06	≤-26	0.124 17	≤2.5	PAS S
NTNV	2D H5	Ant1	2402	30~1000	886. 03	-49.69	≤-26	0.010 74	≤2.5	PAS S
NTNV	2D H5	Ant1	2402	1000~238 7	1200 .77	-37.65	≤-26	0.171 79	≤2.5	PAS S
NTNV	2D H5	Ant1	2402	2387~240 0	2400 .00	-19.13	≤-16	12.21 800	≤25	PAS S
NTNV	2D H5	Ant1	2402	2483.5~2 496.5	2484 .56	-37.42	≤-16	0.1811 3	≤25	PAS S
NTNV	2D H5	Ant1	2402	2496.5~1 3000	3602 .52	-41.90	≤-26	0.064 57	≤2.5	PAS S
NTNV	2D H5	Ant1	2441	30~1000	861. 29	-50.18	≤-26	0.009 59	≤2.5	PAS S
NTNV	2D H5	Ant1	2441	1000~238 7	1200 .77	-37.49	≤-26	0.178 24	≤2.5	PAS S
NTNV	2D H5	Ant1	2441	2387~240 0	2400	-18.73	≤-16	13.39 677	≤25	See tabl e belo w
NTNV	2D H5	Ant1	2441	2483.5~2 496.5	2489 .30	-37.80	≤-16	0.165 96	≤25	PAS S
NTNV	2D H5	Ant1	2441	2496.5~1 3000	3603 .04	-41.80	≤-26	0.066 07	≤2.5	PAS S
NTNV	2D H5	Ant1	2480	30~1000	676. 75	-49.94	≤-26	0.010 14	≤2.5	PAS S
NTNV	2D H5	Ant1	2480	1000~238 7	1201 .12	-46.34	≤-26	0.023 23	≤2.5	PAS S
NTNV	2D H5	Ant1	2480	2387~240 0	2399 .99	-29.71	≤-16	1.069 05	≤25	PAS S
NTNV	2D H5	Ant1	2480	2483.5~2 496.5	2490 .88	-37.89	≤-16	0.162 55	≤25	PAS S
NTNV	2D H5	Ant1	2480	2496.5~1 3000	6924 .25	-43.39	≤-26	0.045 81	≤2.5	PAS S
NTNV	3D H5	Ant1	2402	30~1000	943. 50	-49.70	≤-26	0.010 72	≤2.5	PAS S
NTNV	3D H5	Ant1	2402	1000~238 7	1200 .77	-46.73	≤-26	0.021 23	≤2.5	PAS S
NTNV	3D H5	Ant1	2402	2387~240 0	2400 .00	-28.50	≤-16	1.412 54	≤25	PAS S
NTNV	3D	Ant1	2402	2483.5~2	2492	-38.07	≤-16	0.155	≤25	PAS

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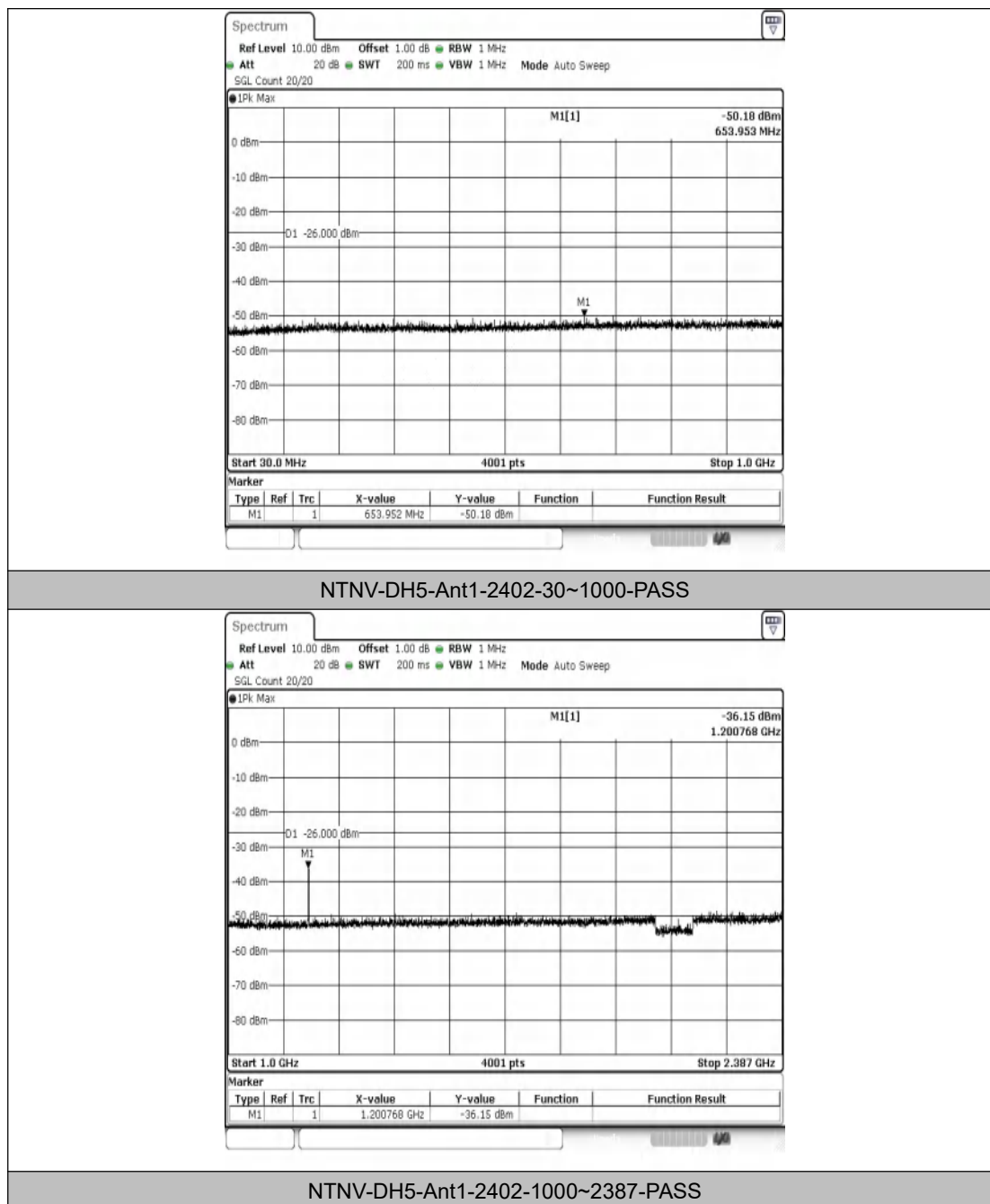
	H5			496.5	.93			96		S
NTNV	3D H5	Ant1	2402	2496.5~1 3000	3500 .63	-40.08	≤-26	0.098 17	≤2.5	PAS S
NTNV	3D H5	Ant1	2441	30~1000	840. 92	-50.47	≤-26	0.008 97	≤2.5	PAS S
NTNV	3D H5	Ant1	2441	1000~238 7	1220 .53	-46.63	≤-26	0.021 73	≤2.5	PAS S
NTNV	3D H5	Ant1	2441	2387~240 0	2400 .00	-28.20	≤-16	1.513 56	≤25	PAS S
NTNV	3D H5	Ant1	2441	2483.5~2 496.5	2496 .41	-37.86	≤-16	0.163 68	≤25	PAS S
NTNV	3D H5	Ant1	2441	2496.5~1 3000	5811. 93	-40.91	≤-26	0.0811 0	≤2.5	PAS S
NTNV	3D H5	Ant1	2480	30~1000	879. 24	-50.40	≤-26	0.009 12	≤2.5	PAS S
NTNV	3D H5	Ant1	2480	1000~238 7	1200 .77	-46.44	≤-26	0.022 70	≤2.5	PAS S
NTNV	3D H5	Ant1	2480	2387~240 0	2400 .00	-27.83	≤-16	1.648 16	≤25	PAS S
NTNV	3D H5	Ant1	2480	2483.5~2 496.5	2483 .55	-37.52	≤-16	0.177 01	≤25	PAS S
NTNV	3D H5	Ant1	2480	2496.5~1 3000	6934 .23	-44.58	≤-26	0.034 83	≤2.5	PAS S

Test Result_Step2

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	DH5	Ant1	2402	2399.99	-28.58	≤-16	1.38676	≤25	PASS
NTNV	DH5	Ant1	2441	2399.99	-29.75	≤-16	1.05925	≤25	PASS
NTNV	DH5	Ant1	2480	2400.00	-28.59	≤-16	1.38357	≤25	PASS
NTNV	2DH5	Ant1	2441	2400.00	-25.09	≤-16	3.09742	≤25	PASS



Test Graphs

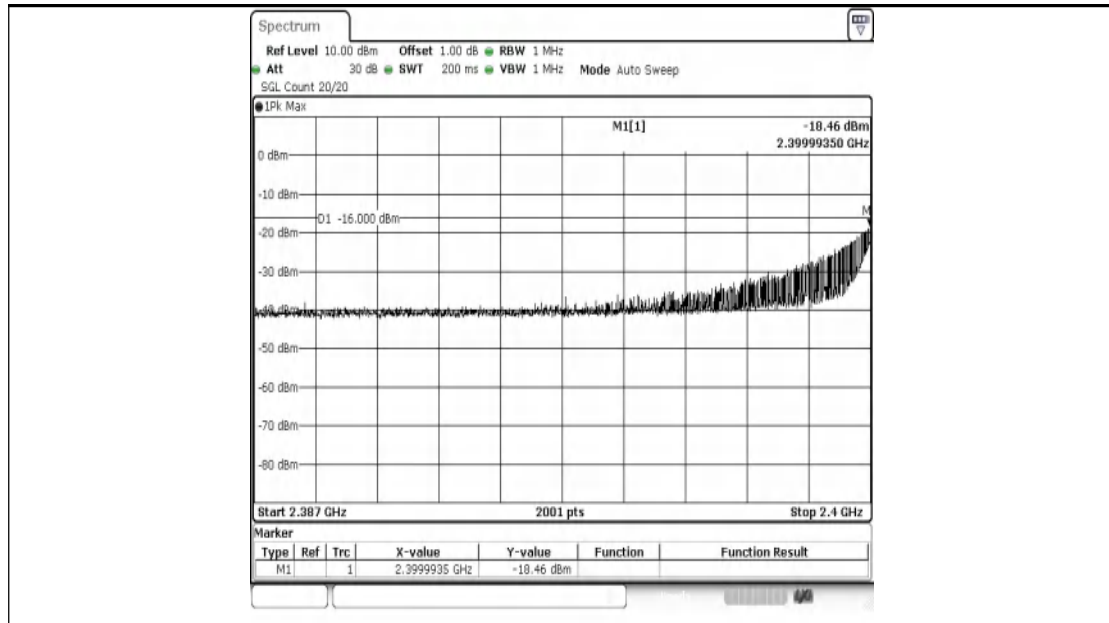


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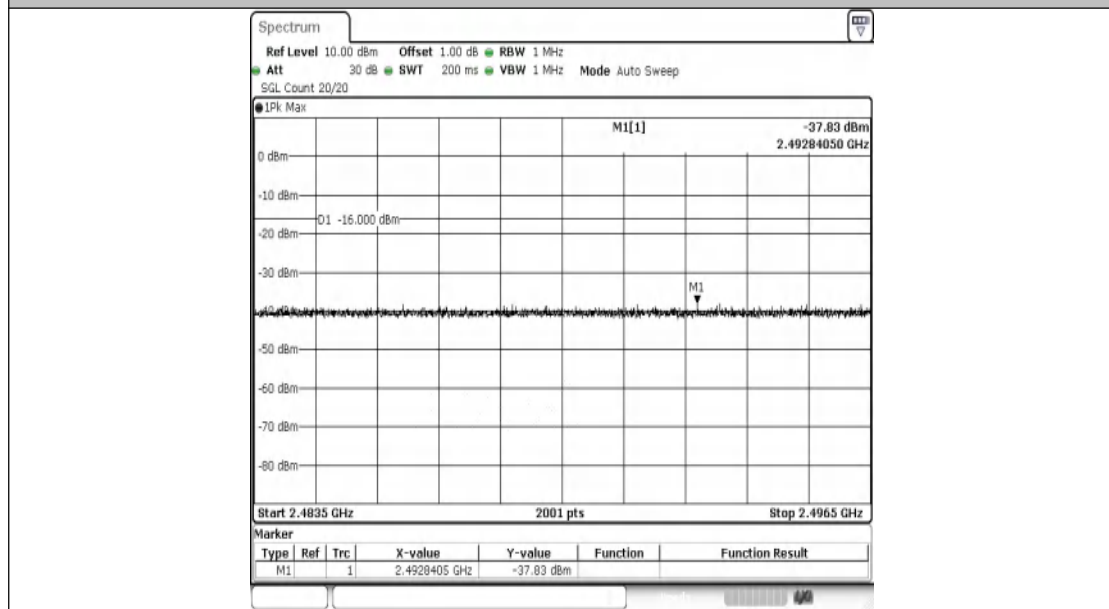
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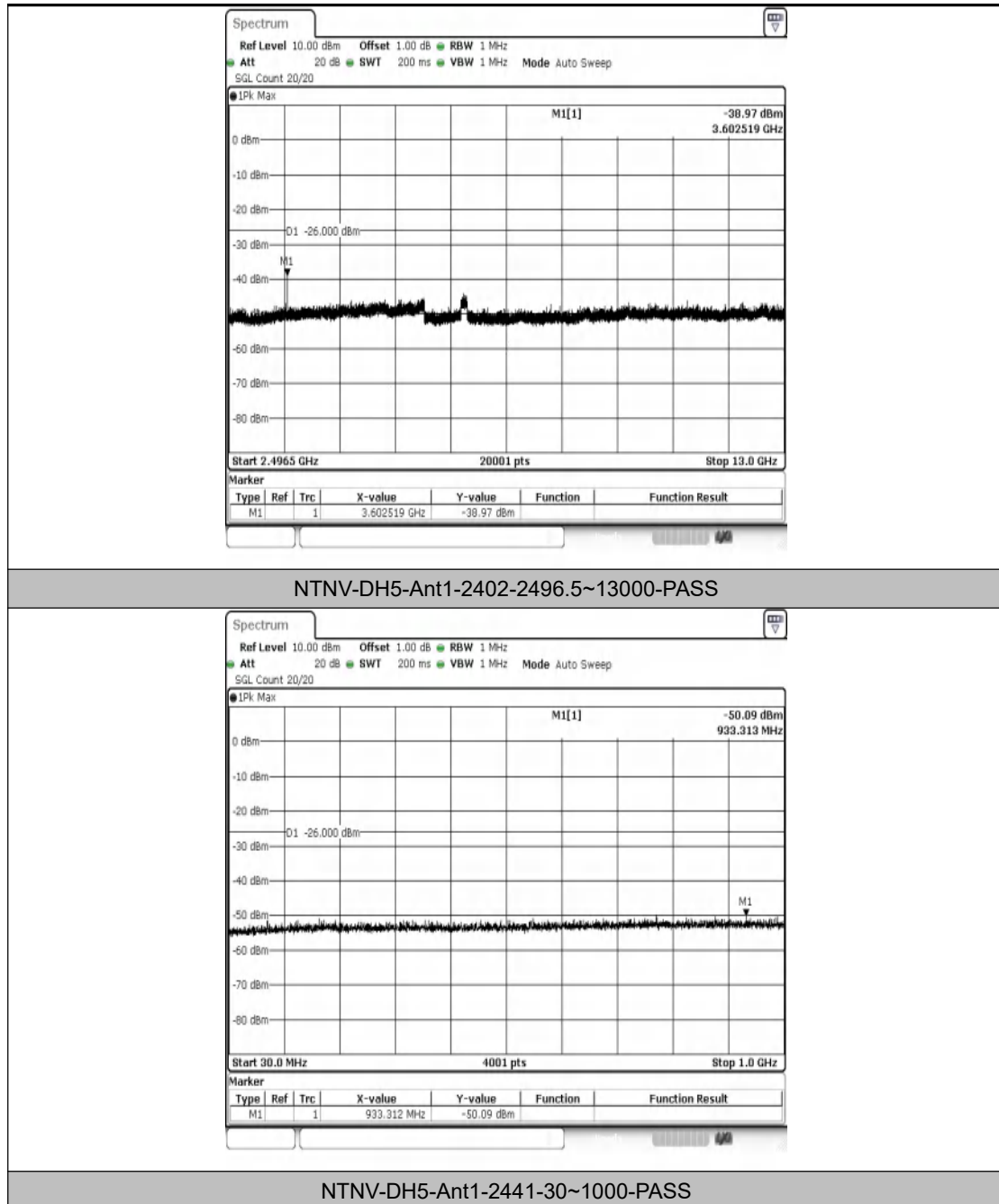


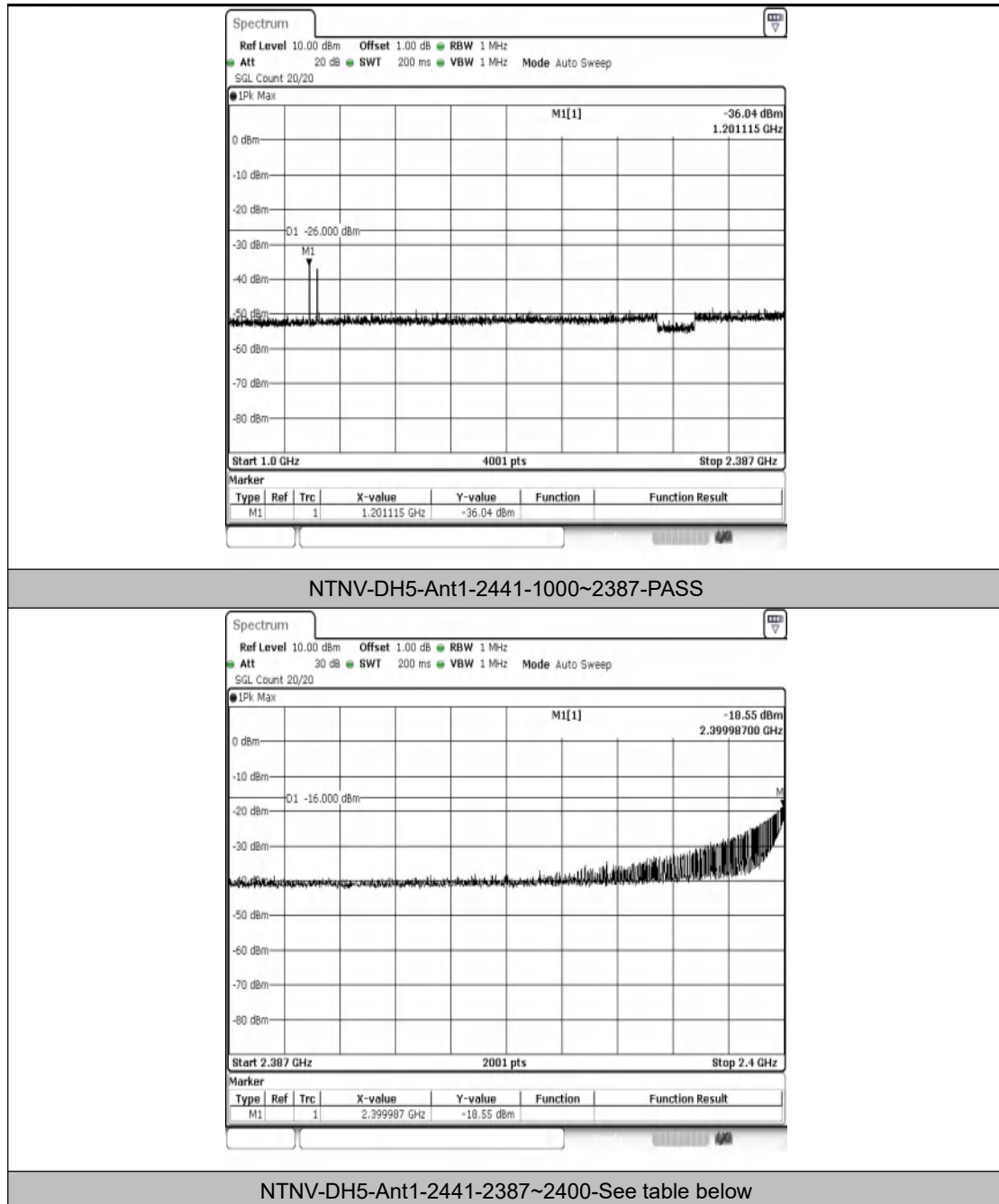
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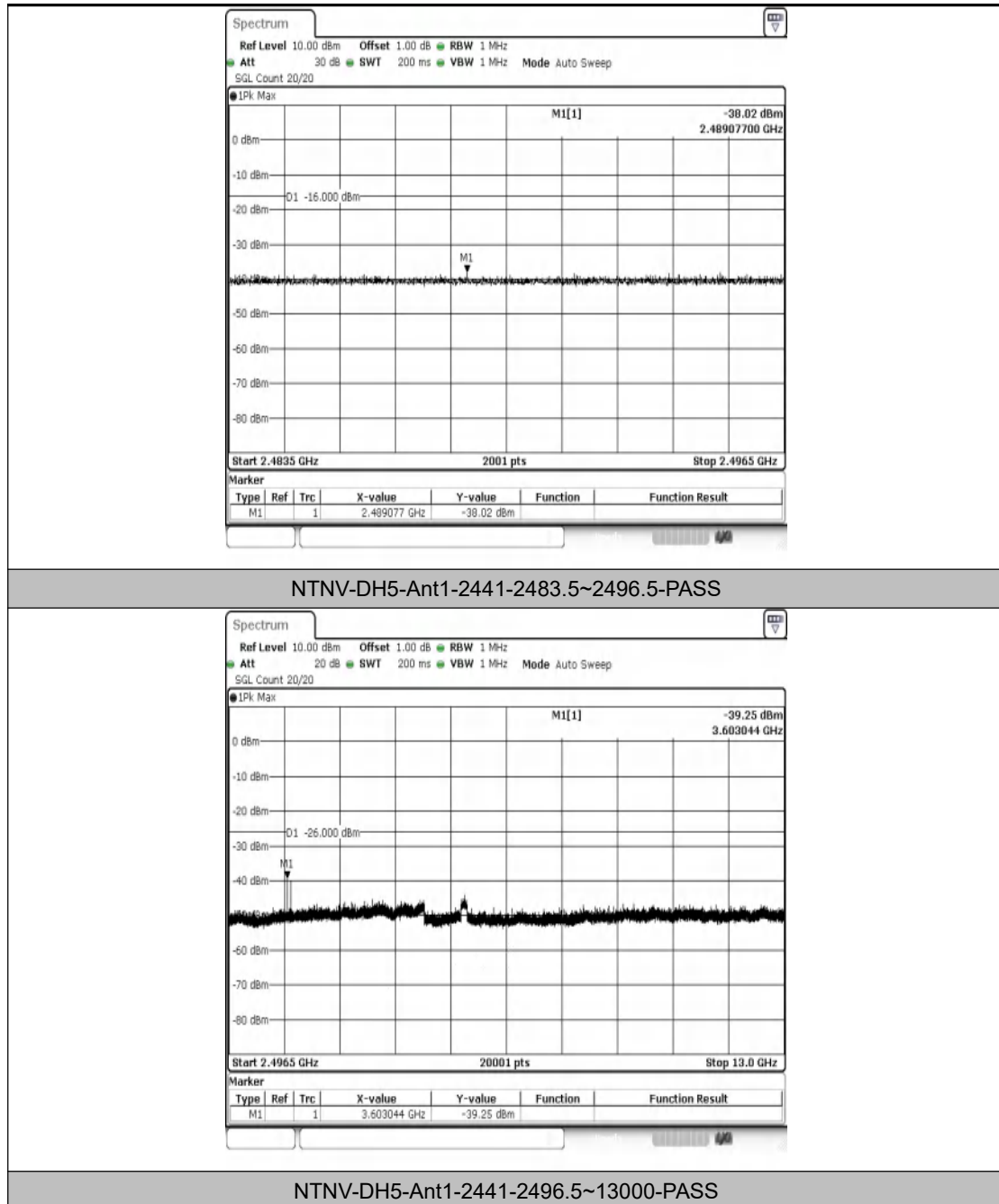


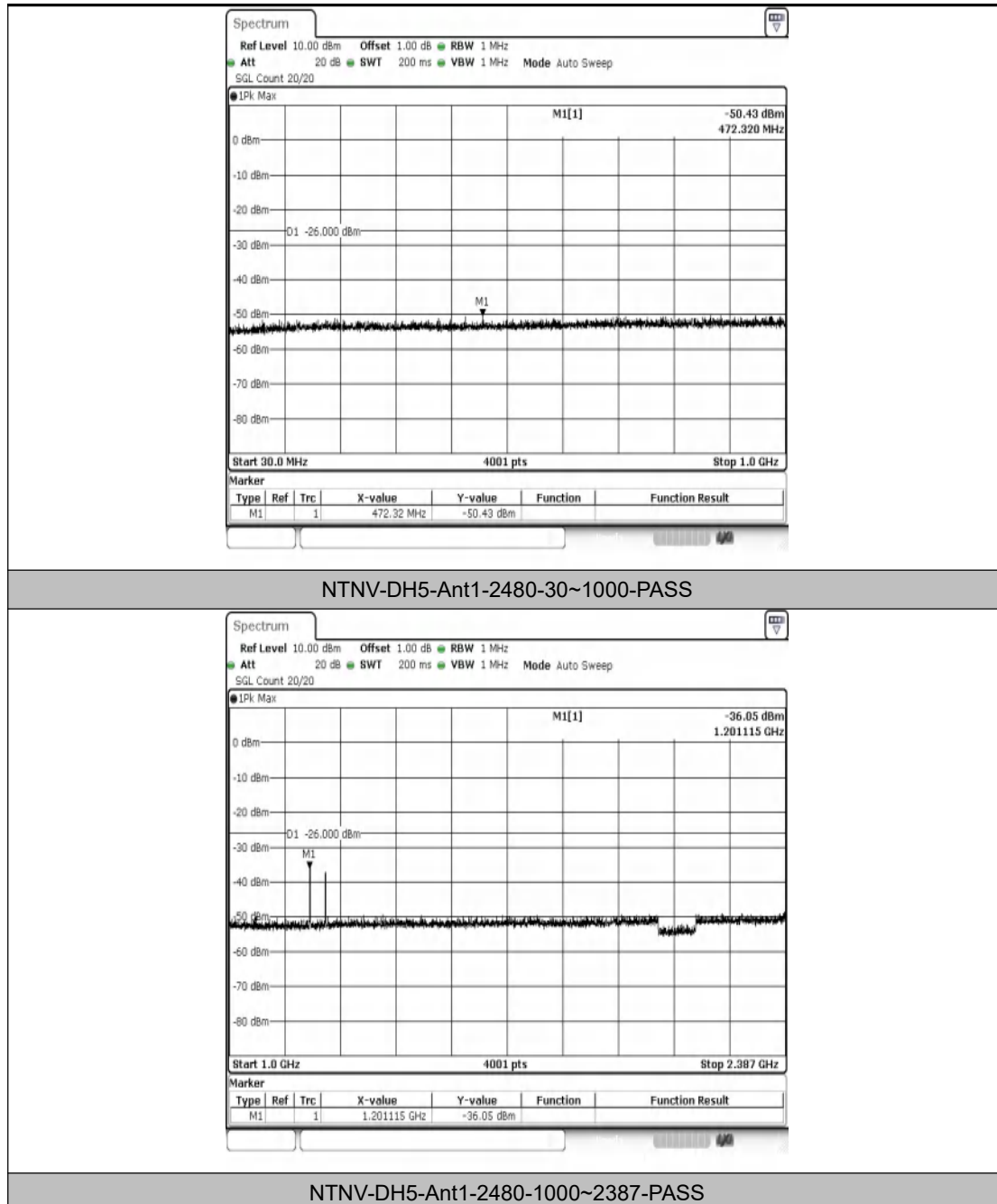
NTNV-DH5-Ant1-2402-2483.5~2496.5-PASS









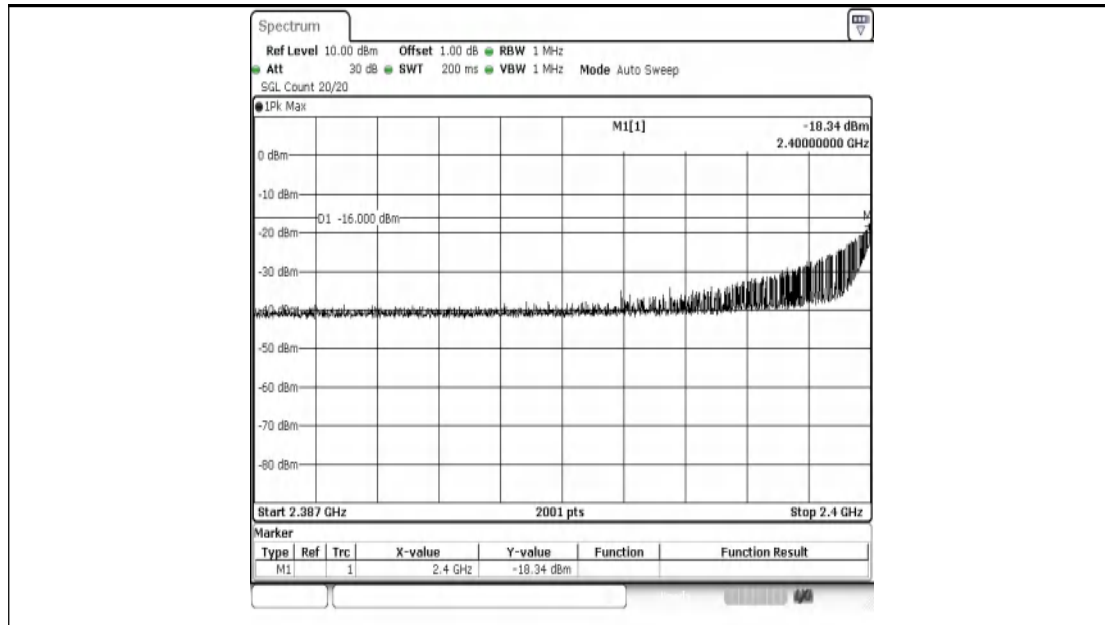


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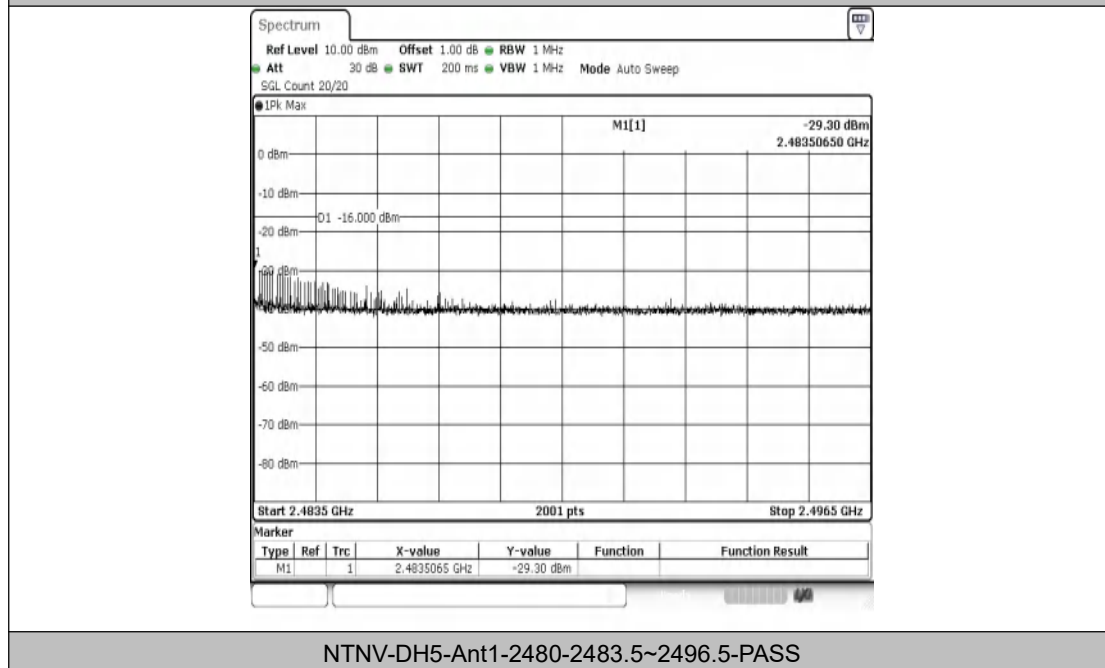
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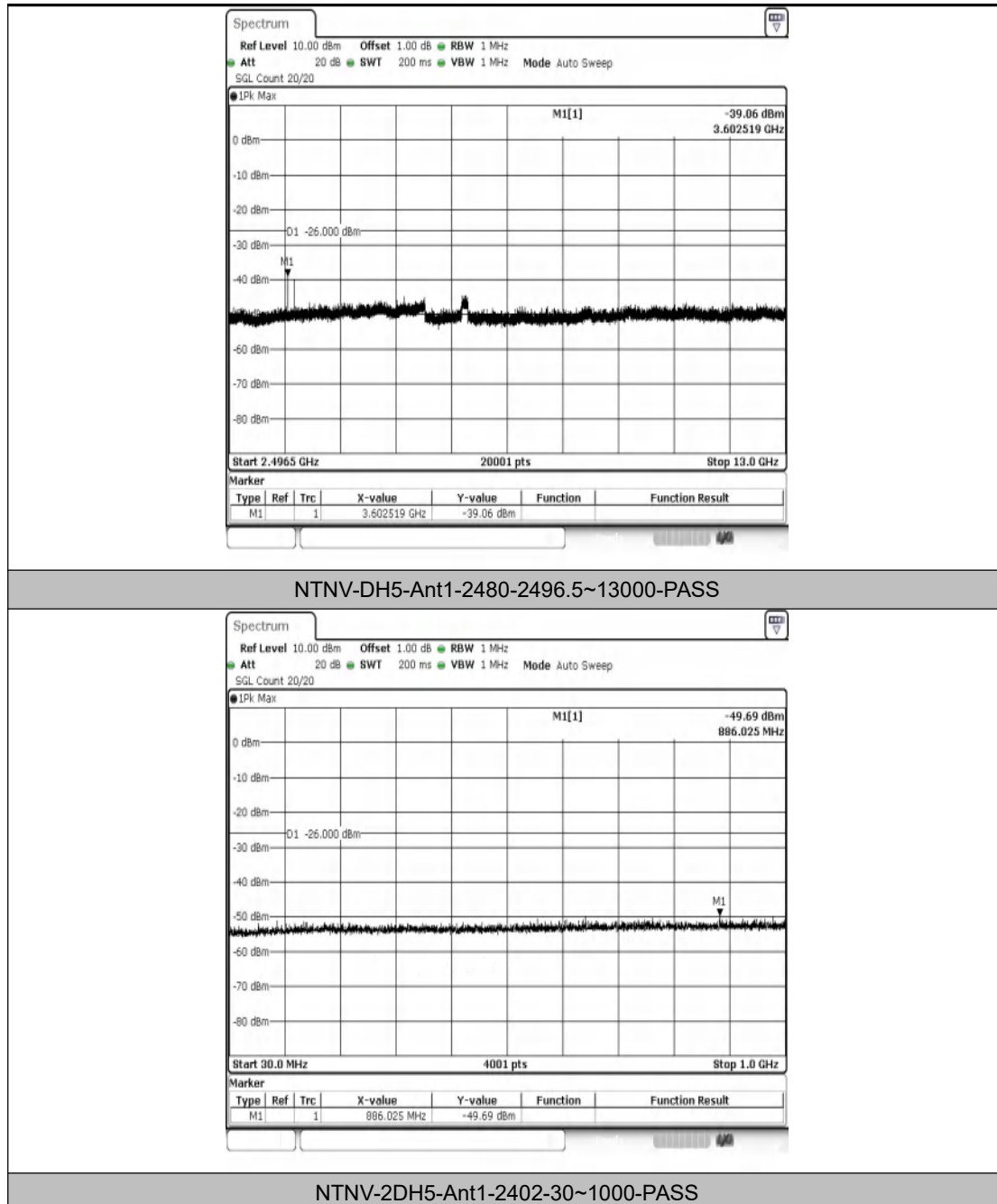


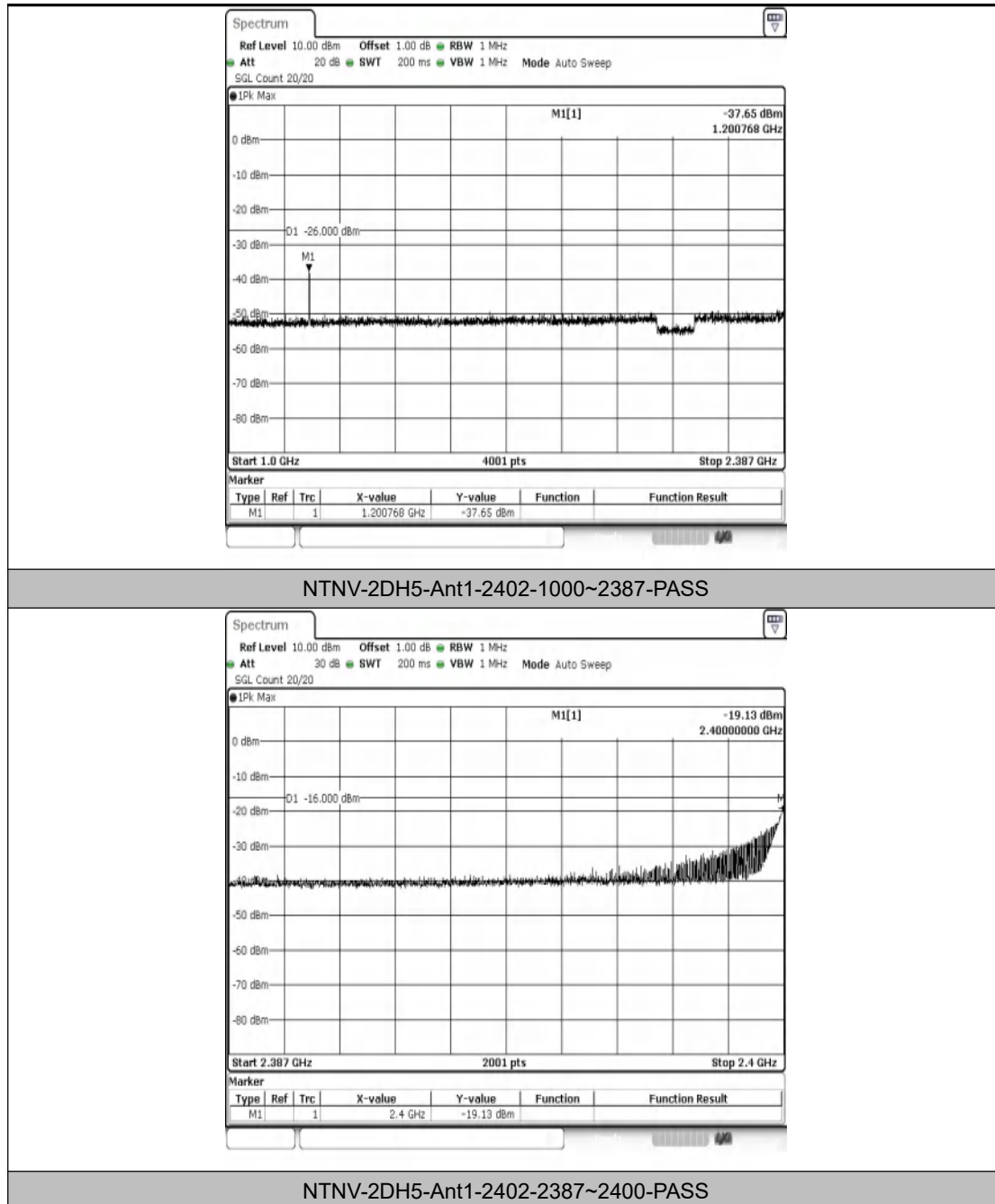
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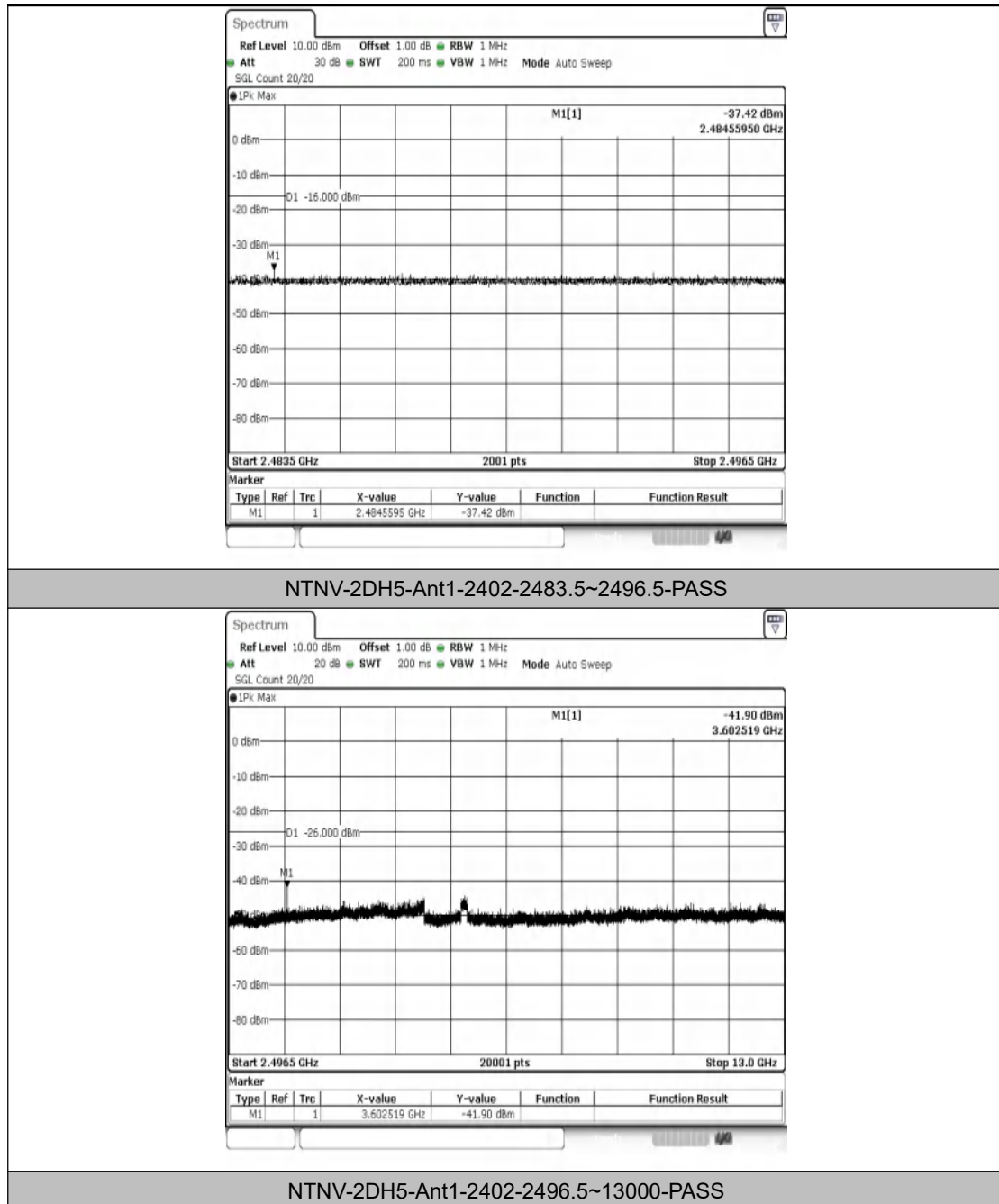


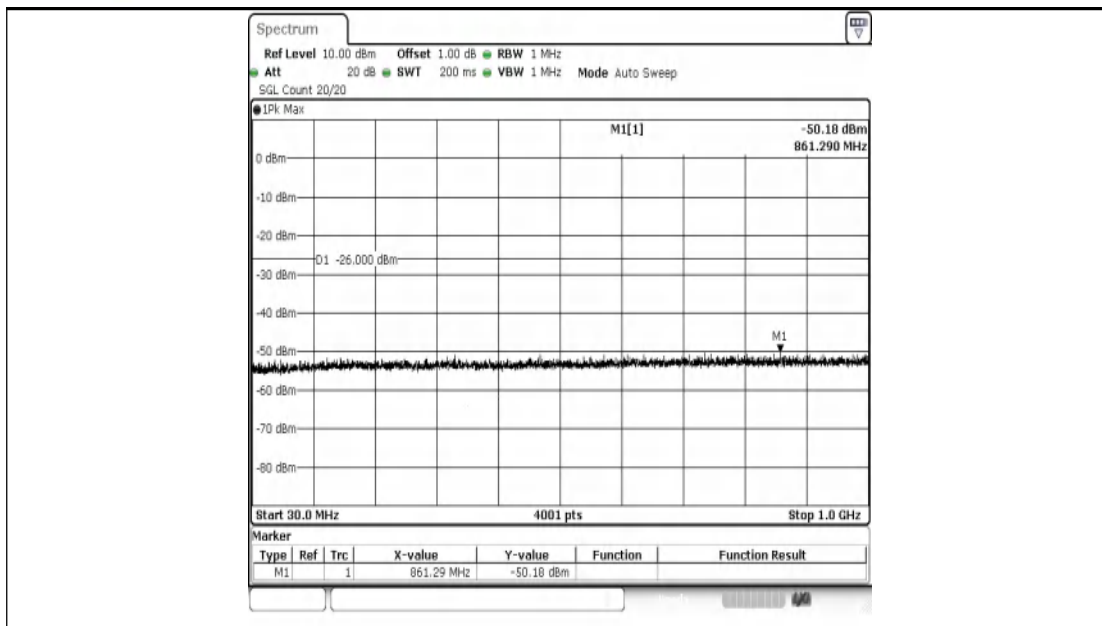
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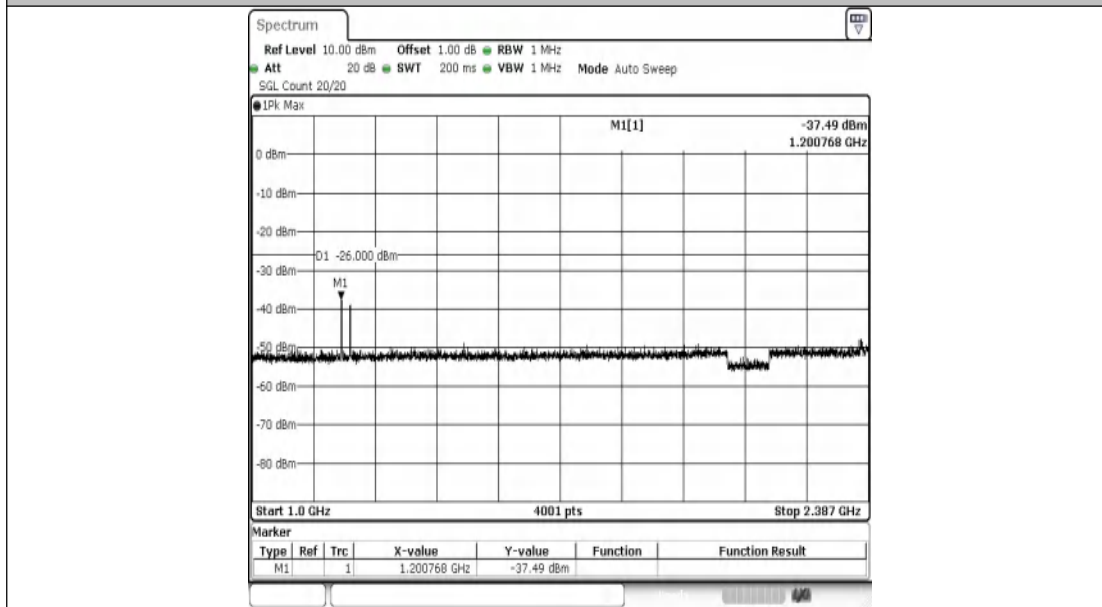






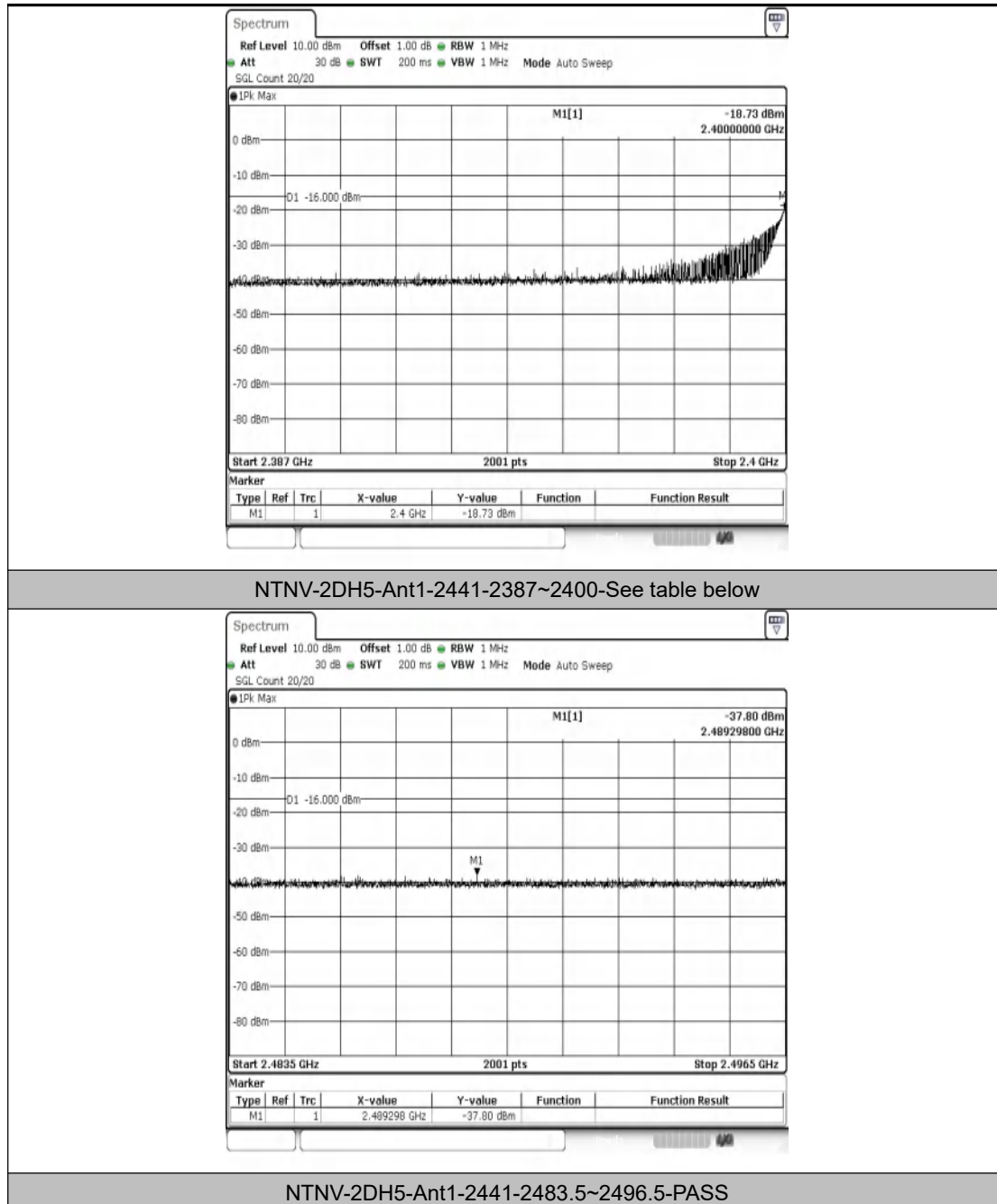


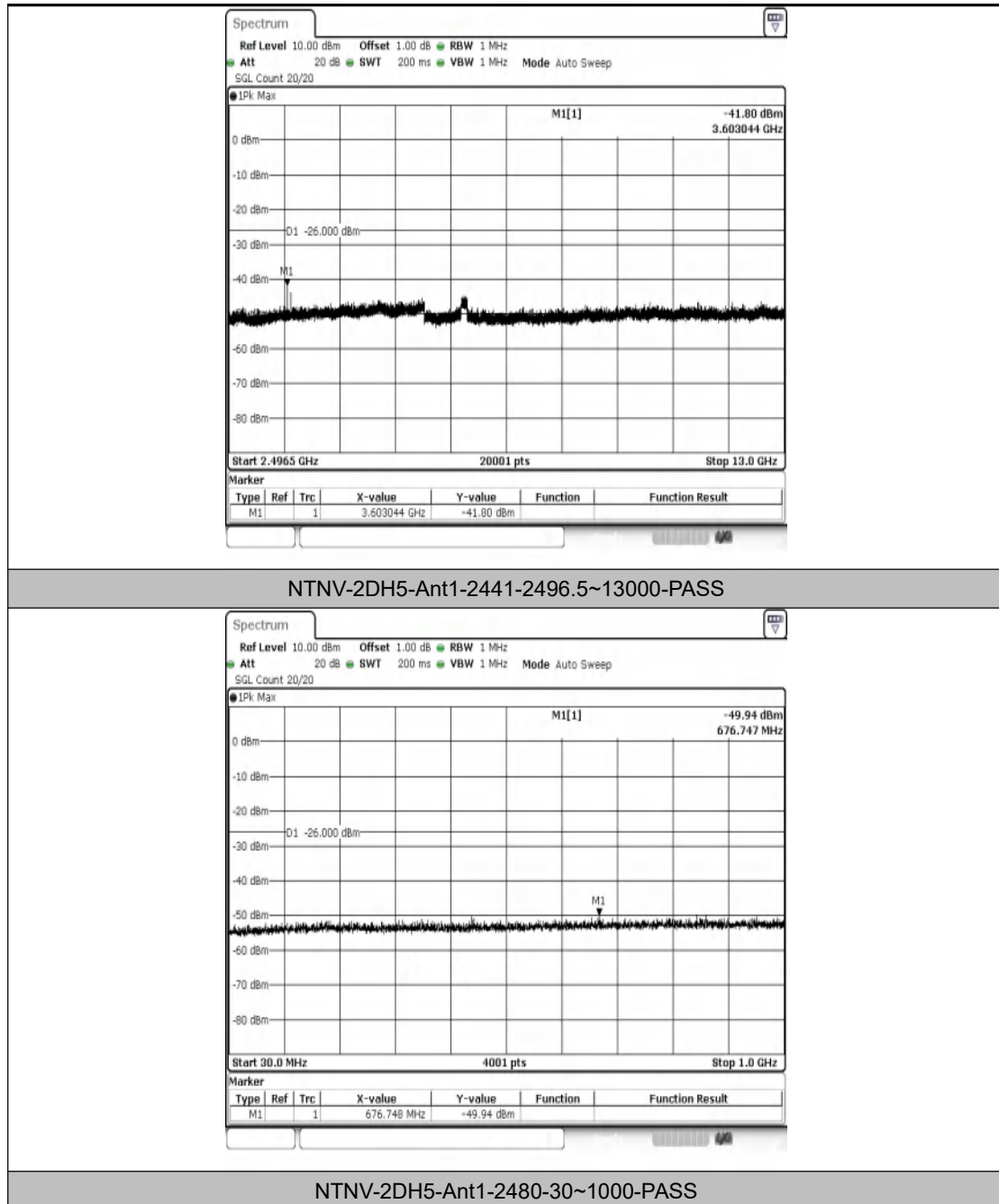
NTNV-2DH5-Ant1-2441-30~1000-PASS

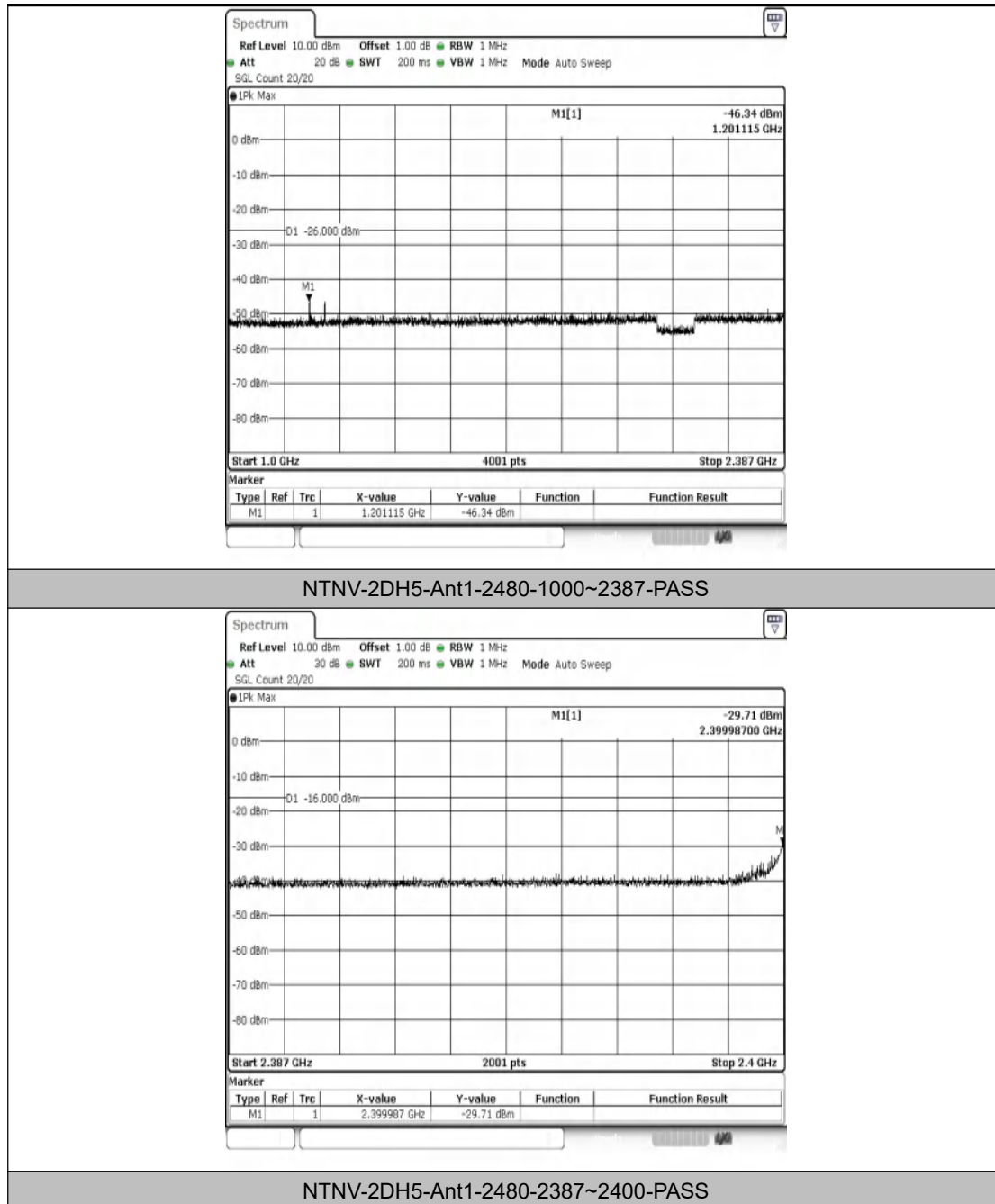


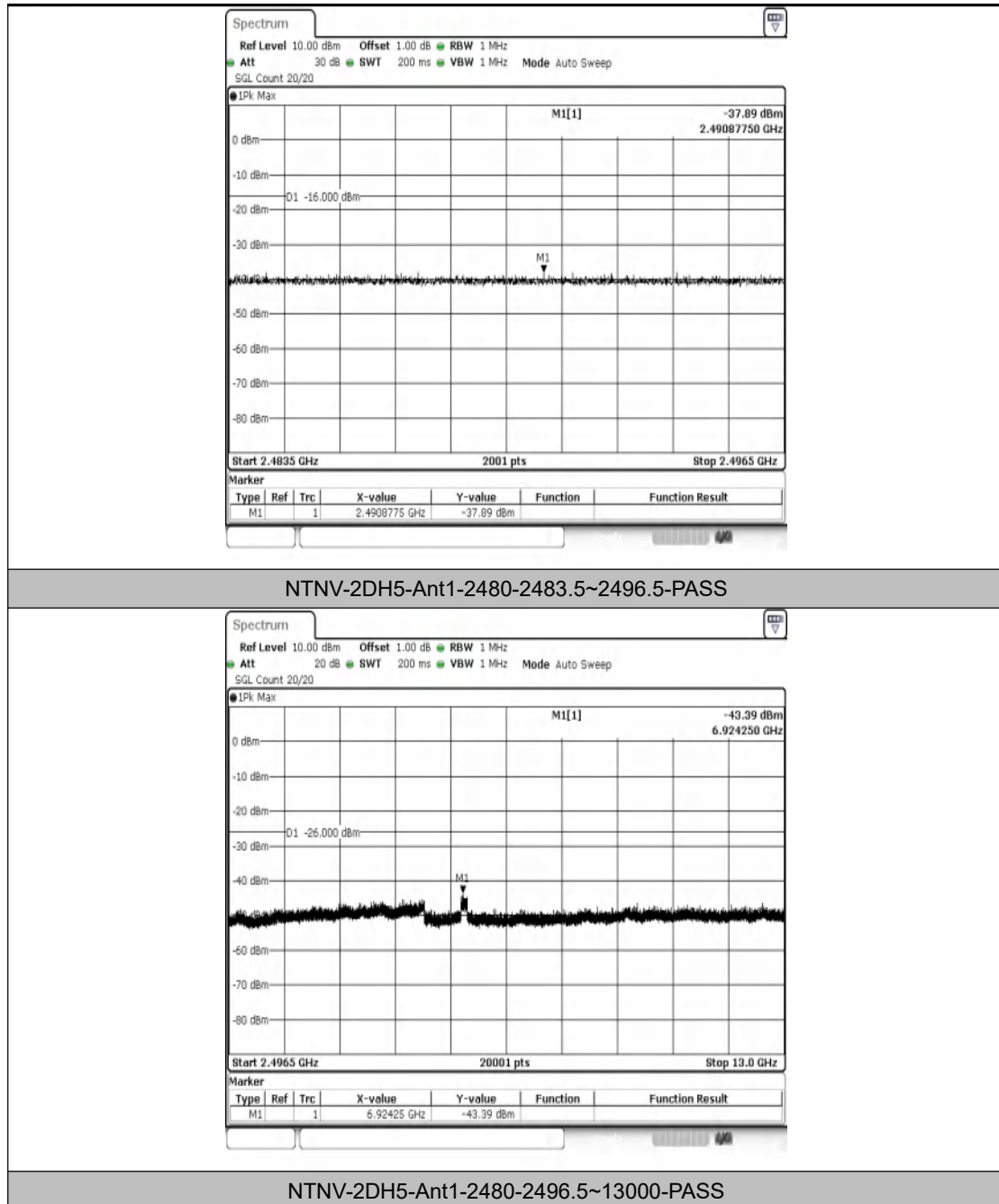
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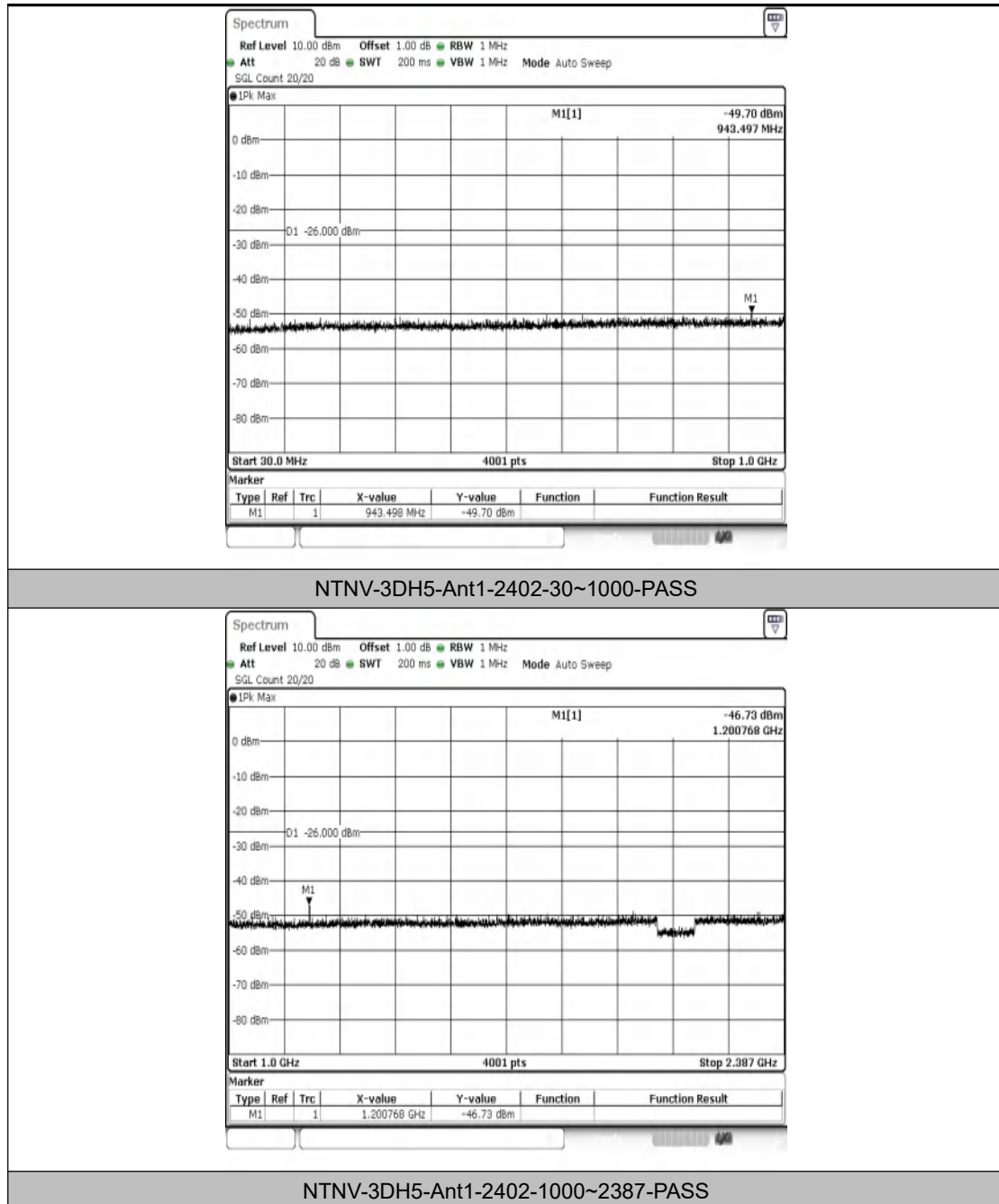


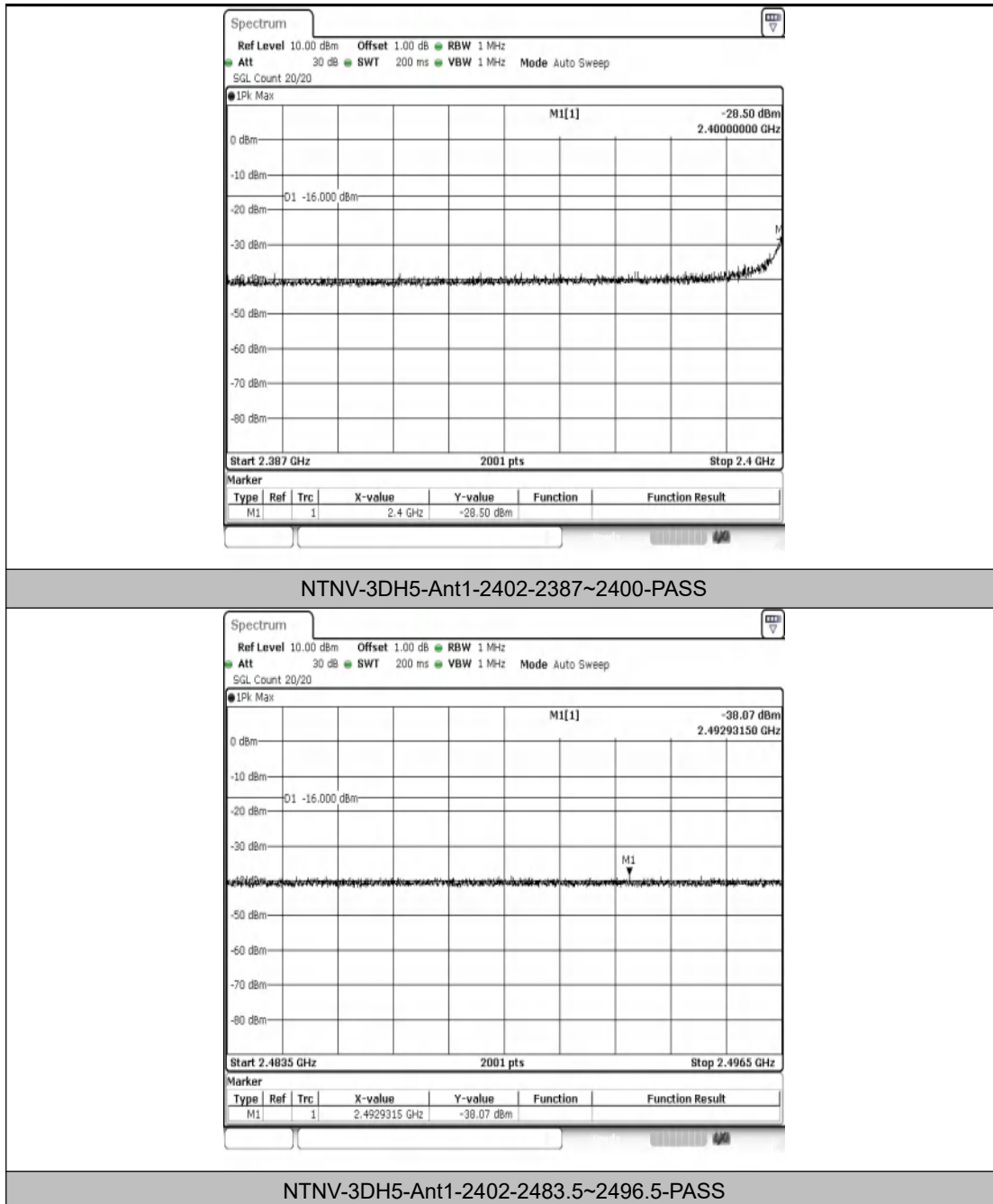


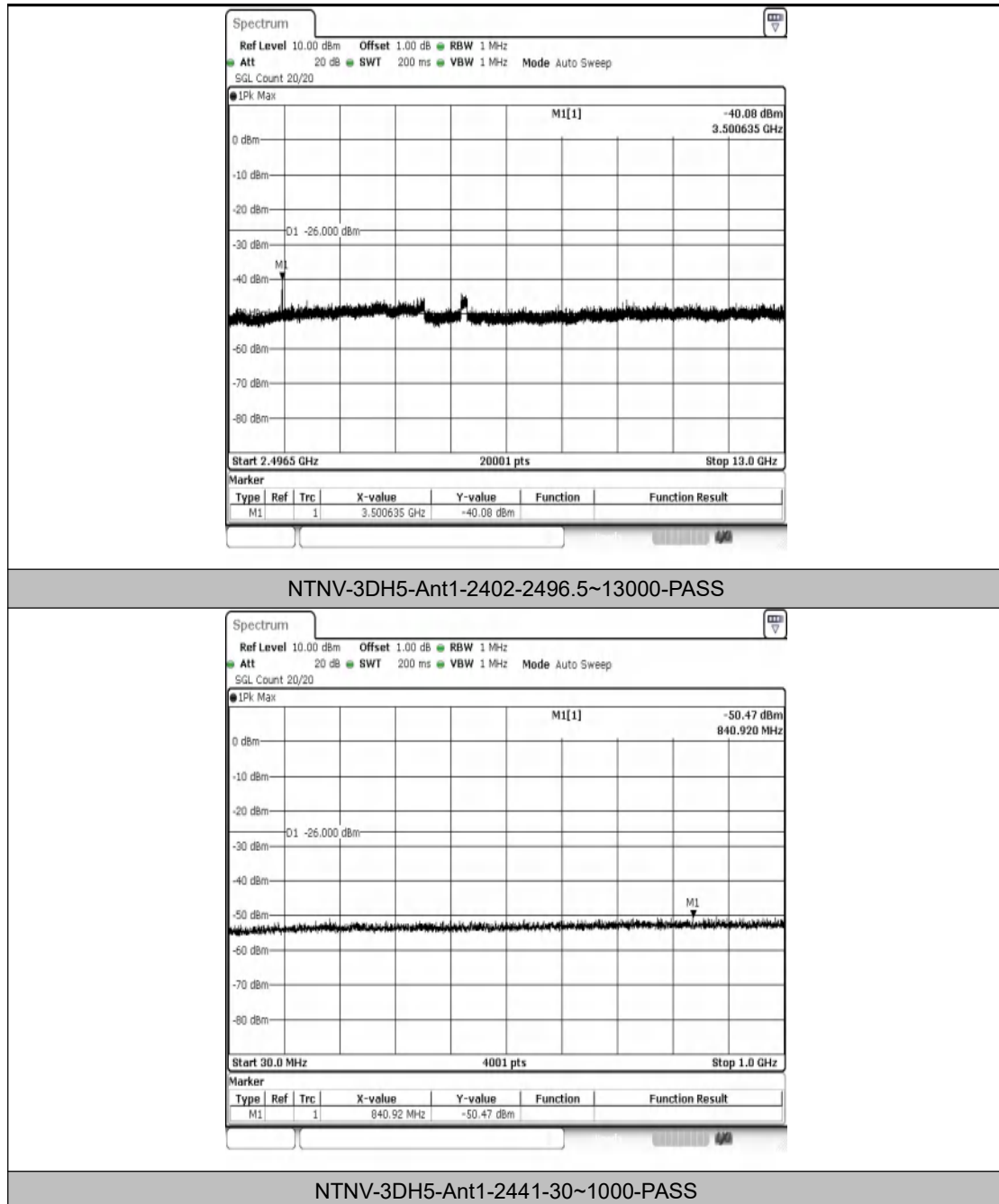


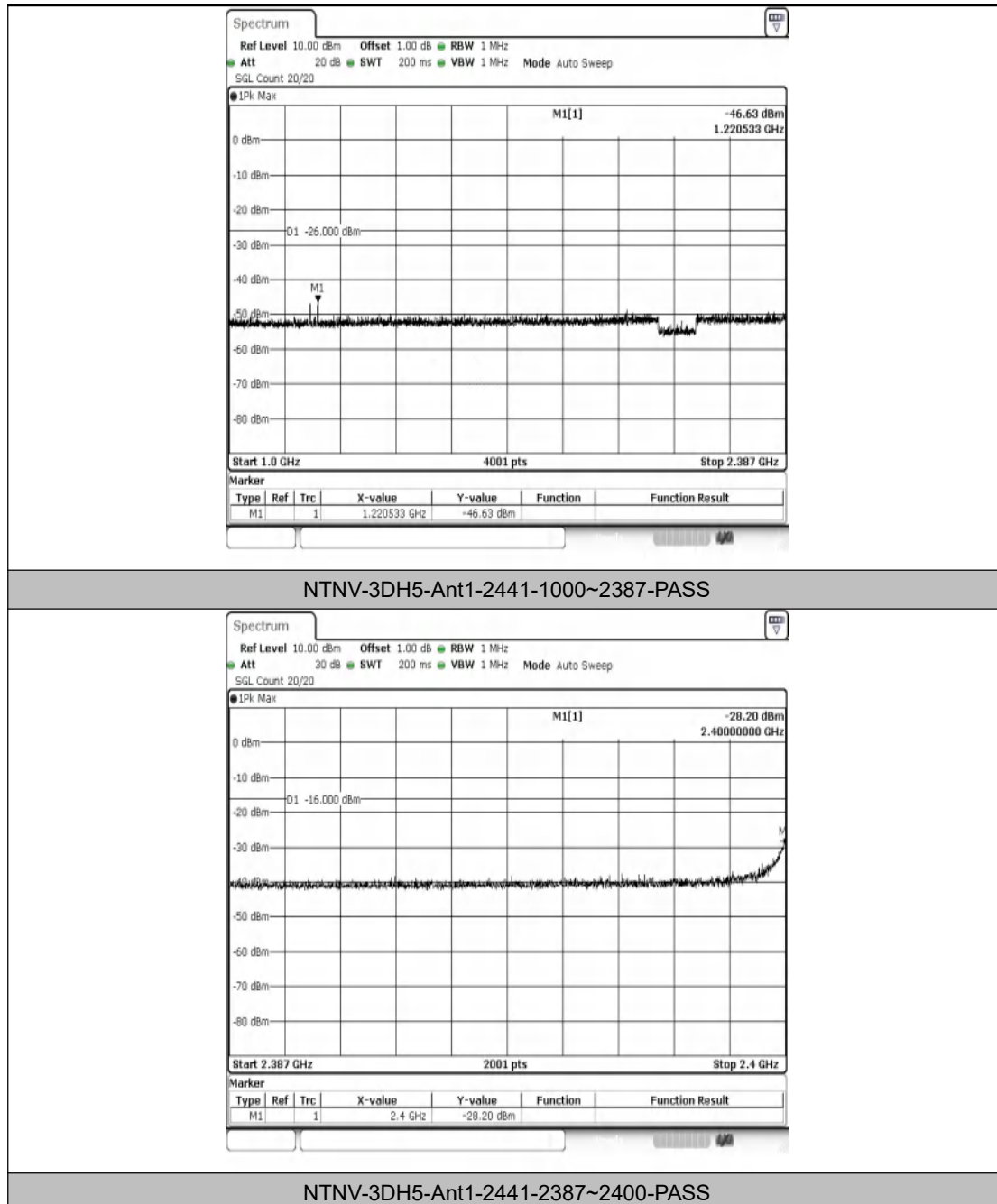


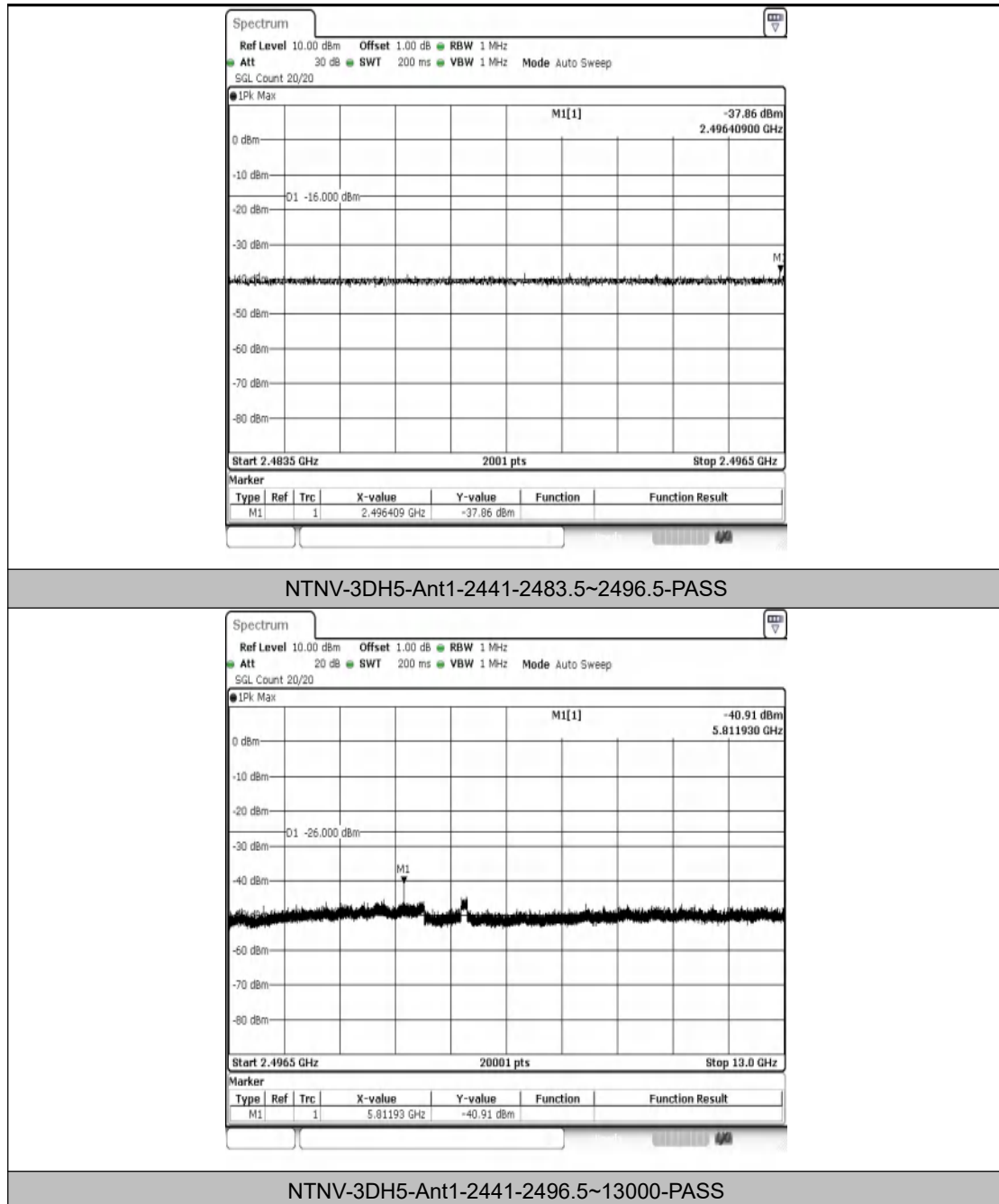


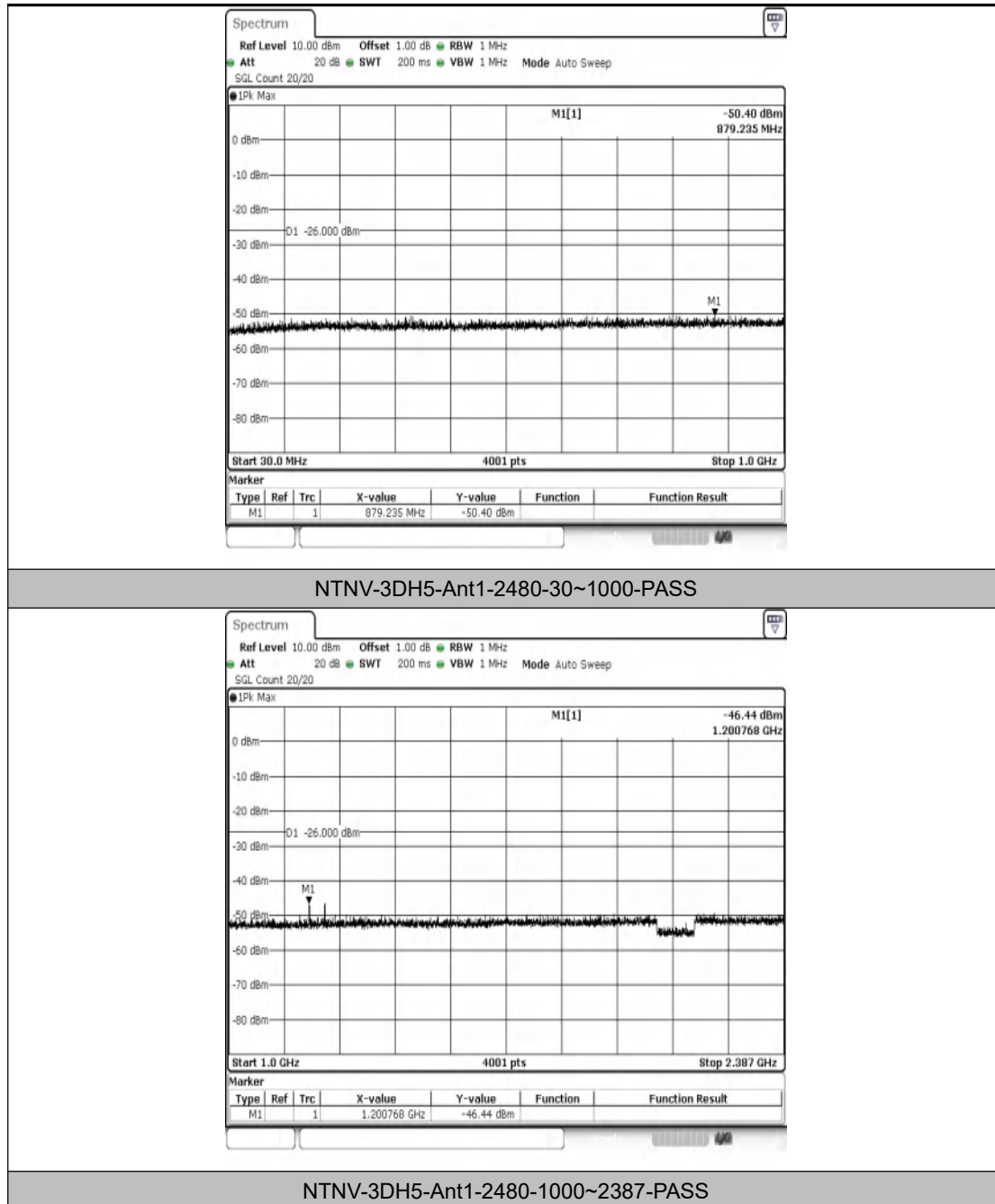


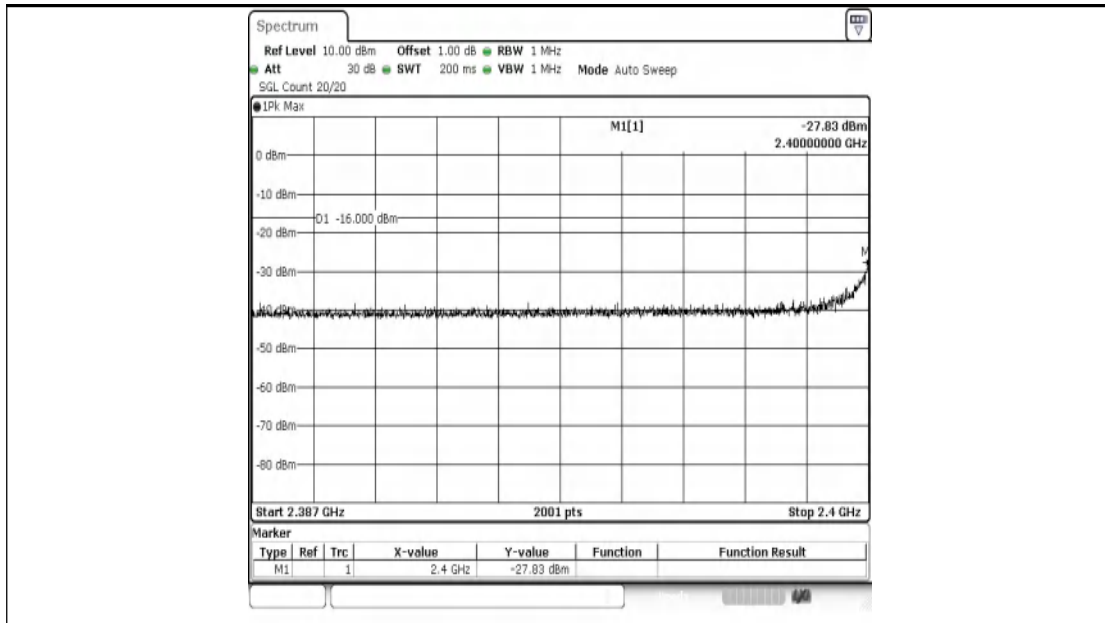




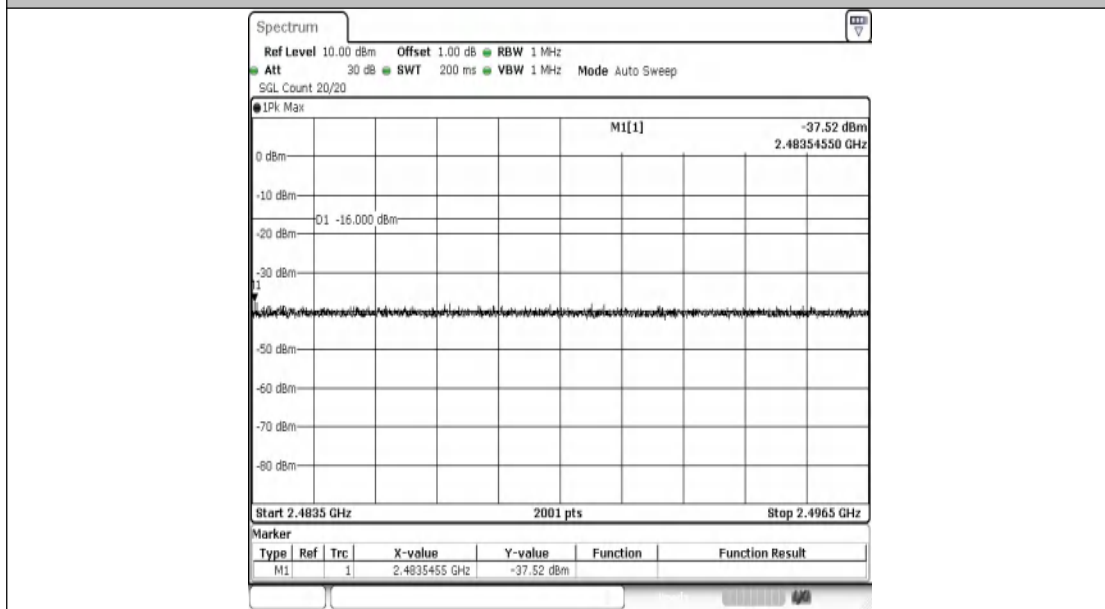






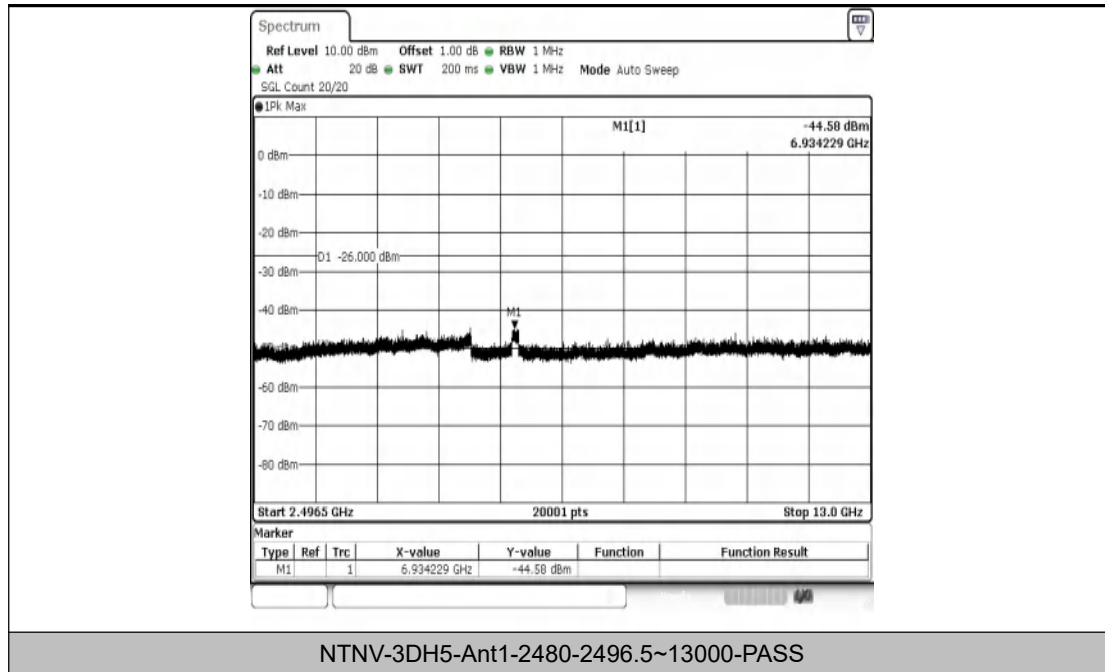


NTNV-3DH5-Ant1-2480-2387~2400-PASS



NTNV-3DH5-Ant1-2480-2483.5~2496.5-PASS





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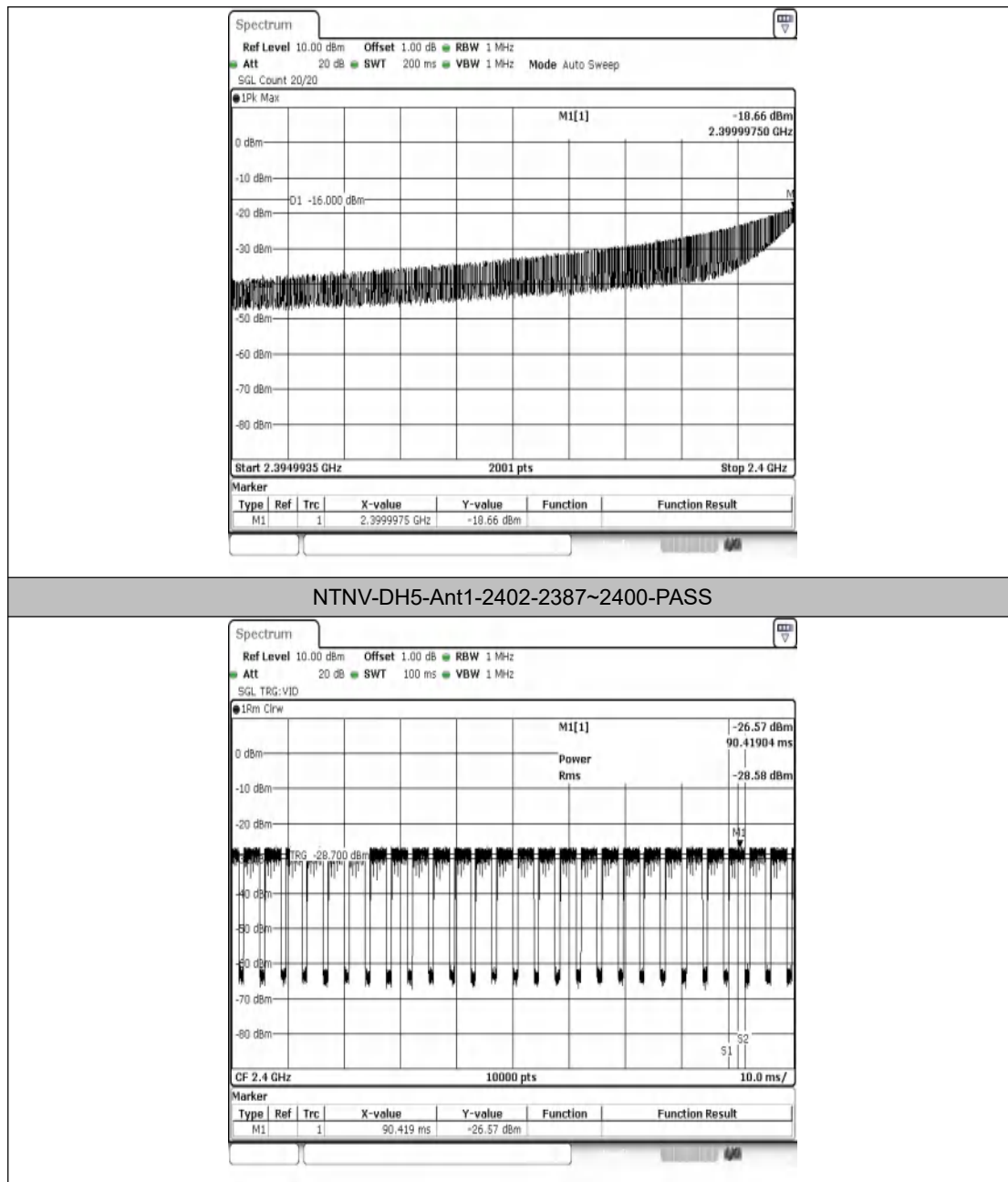
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Test Graphs_Step2

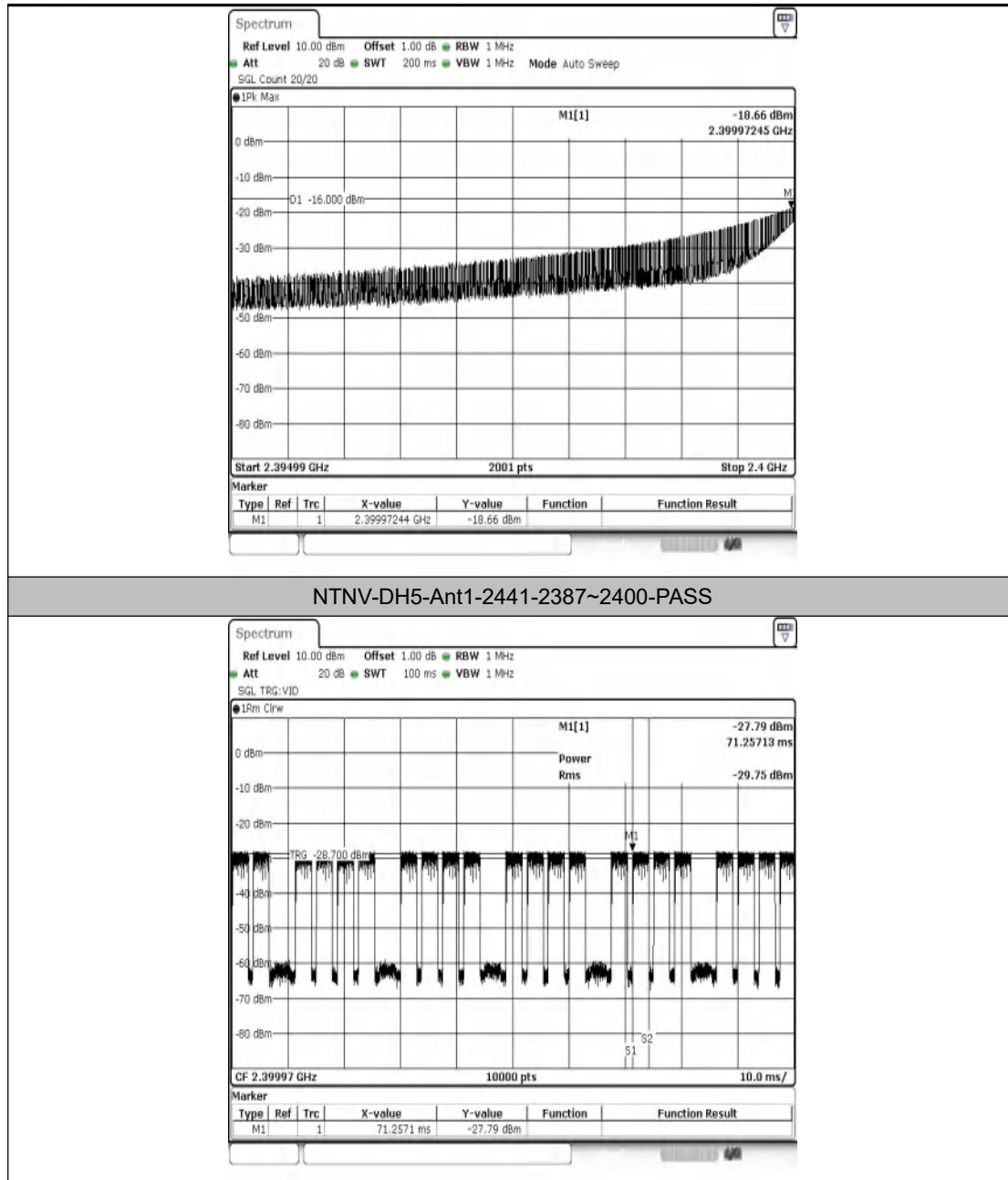


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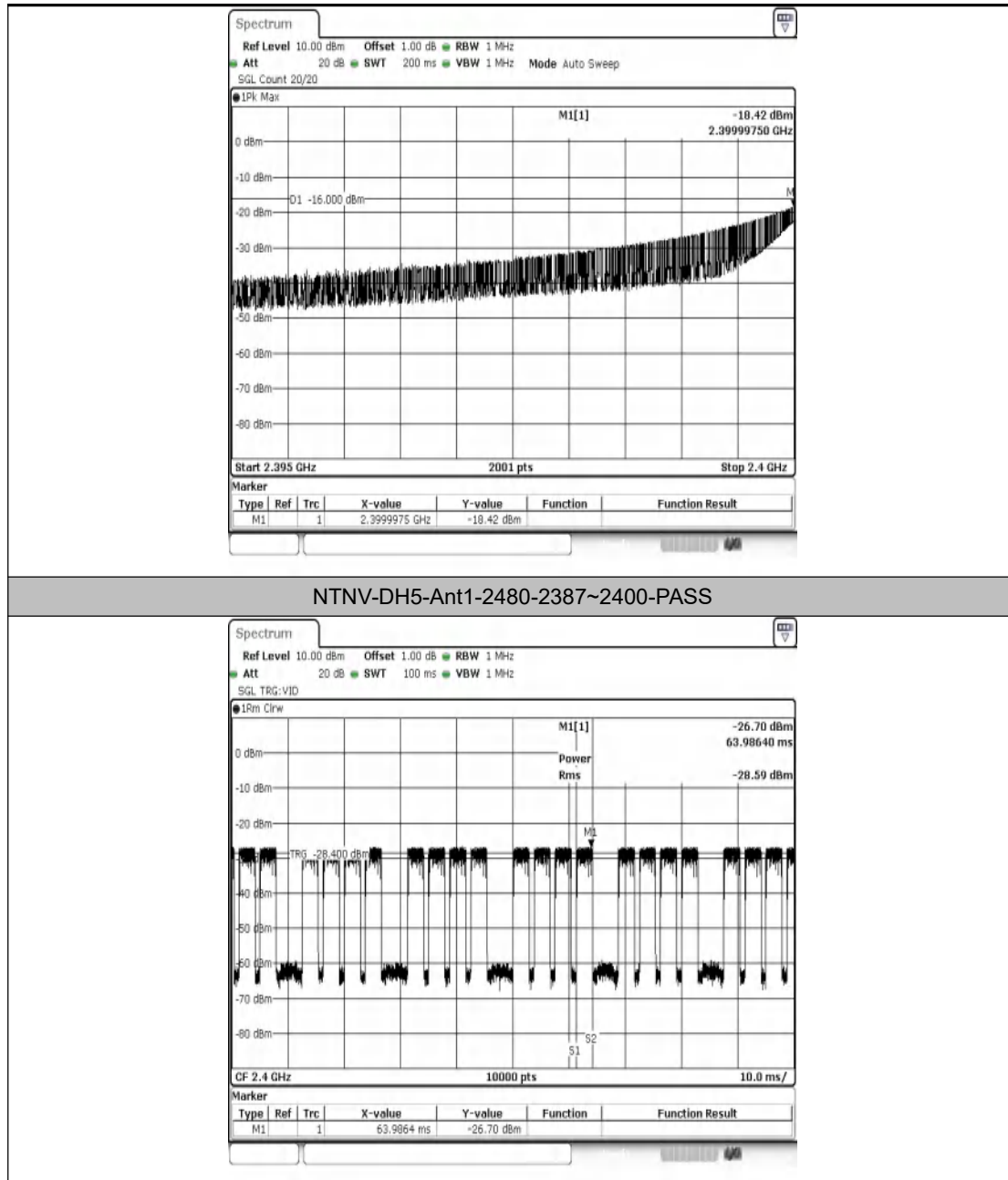


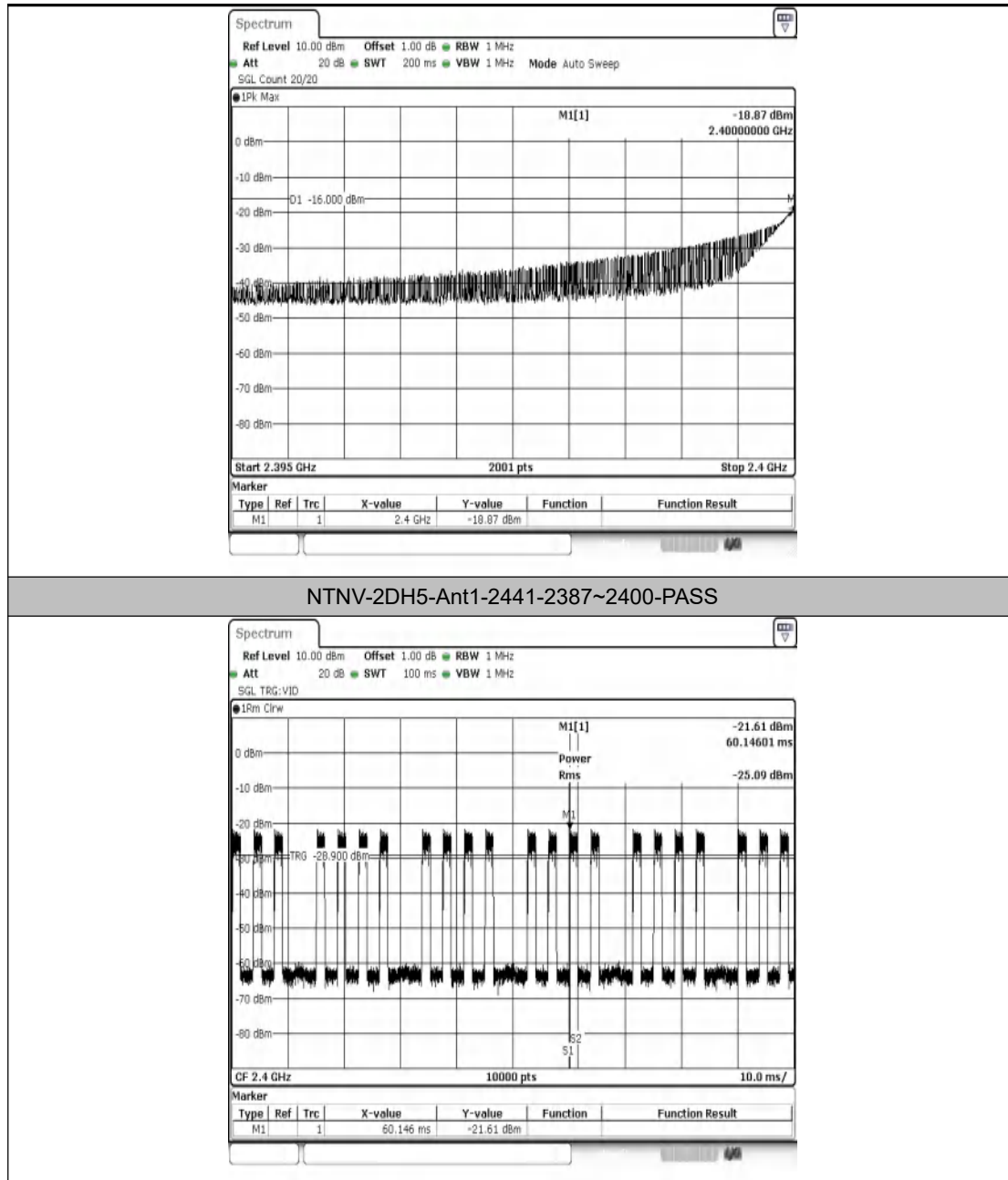
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Appendix F: Spurious Emission of RX

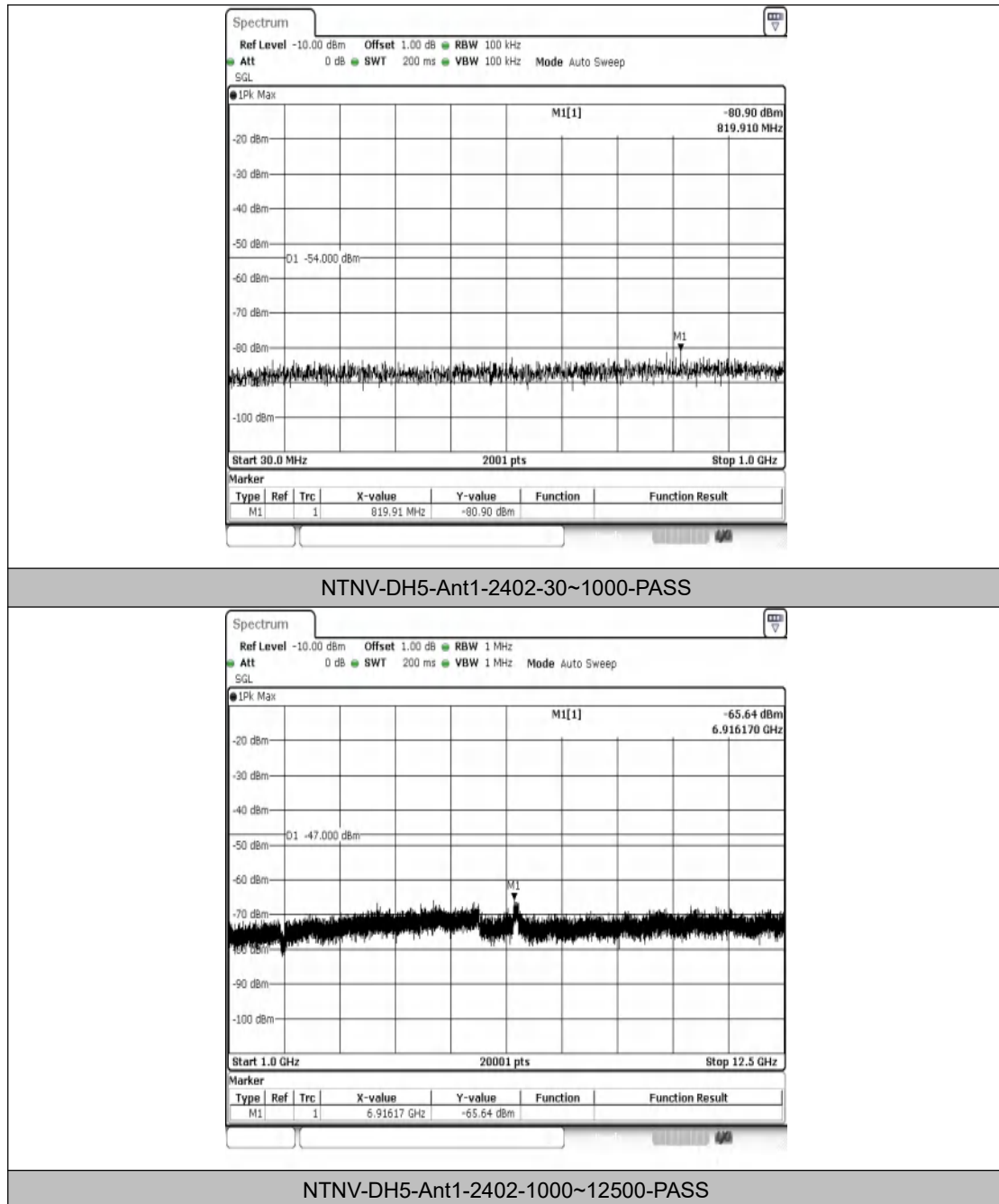
Test Result

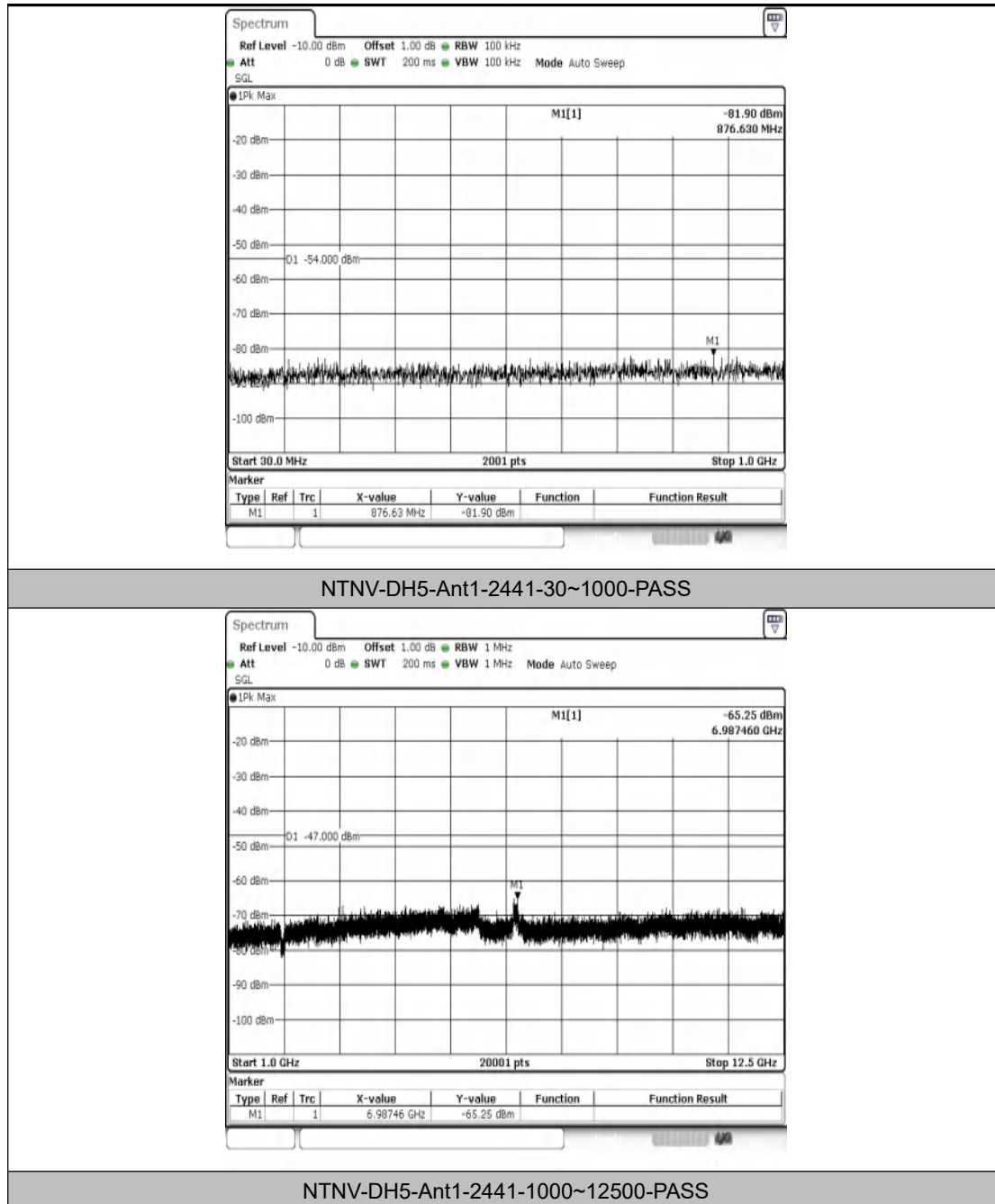
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	819.91	-80.90	≤-54	0.00813	≤4	PASS
NTNV	DH5	Ant1	2402	1000~12500	6916.17	-65.64	≤-47	0.27290	≤20	PASS
NTNV	DH5	Ant1	2441	30~1000	876.63	-81.90	≤-54	0.00646	≤4	PASS
NTNV	DH5	Ant1	2441	1000~12500	6987.46	-65.25	≤-47	0.29854	≤20	PASS
NTNV	DH5	Ant1	2480	30~1000	851.42	-81.72	≤-54	0.00673	≤4	PASS
NTNV	DH5	Ant1	2480	1000~12500	6983.44	-65.41	≤-47	0.28774	≤20	PASS
NTNV	2DH5	Ant1	2402	30~1000	699.21	-82.07	≤-54	0.00621	≤4	PASS
NTNV	2DH5	Ant1	2402	1000~12500	6140.53	-64.91	≤-47	0.32285	≤20	PASS
NTNV	2DH5	Ant1	2441	30~1000	961.95	-81.71	≤-54	0.00675	≤4	PASS
NTNV	2DH5	Ant1	2441	1000~12500	6975.96	-65.95	≤-47	0.25410	≤20	PASS
NTNV	2DH5	Ant1	2480	30~1000	870.33	-80.96	≤-54	0.00802	≤4	PASS
NTNV	2DH5	Ant1	2480	1000~12500	6148.01	-65.14	≤-47	0.30620	≤20	PASS
NTNV	3DH5	Ant1	2402	30~1000	974.55	-81.65	≤-54	0.00684	≤4	PASS
NTNV	3DH5	Ant1	2402	1000~12500	6963.31	-65.01	≤-47	0.31550	≤20	PASS
NTNV	3DH5	Ant1	2441	30~1000	601.29	-81.25	≤-54	0.00750	≤4	PASS
NTNV	3DH5	Ant1	2441	1000~12500	6974.24	-65.29	≤-47	0.29580	≤20	PASS
NTNV	3DH5	Ant1	2480	30~1000	988.61	-81.30	≤-54	0.00741	≤4	PASS
NTNV	3DH5	Ant1	2480	1000~12500	6162	-66.20	≤-47	0.239	≤20	PASS

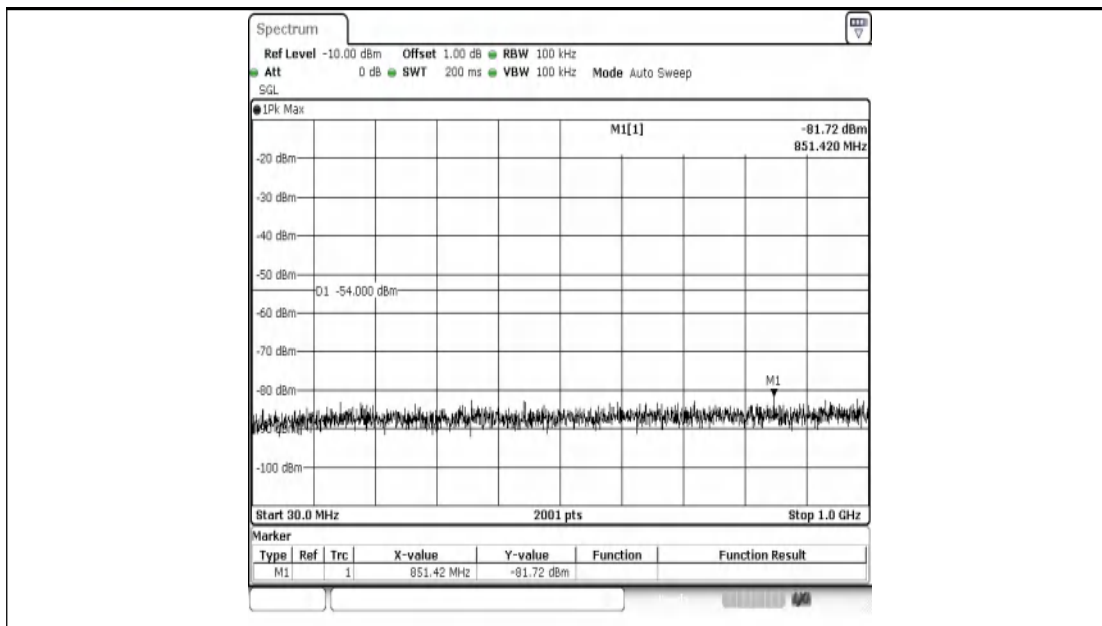


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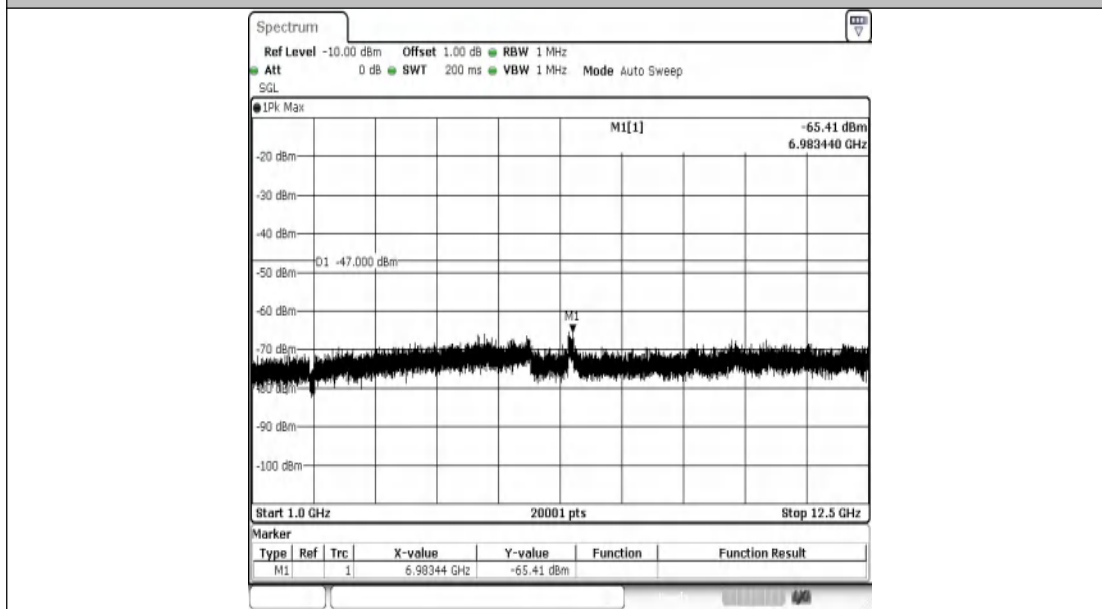
Test Graphs





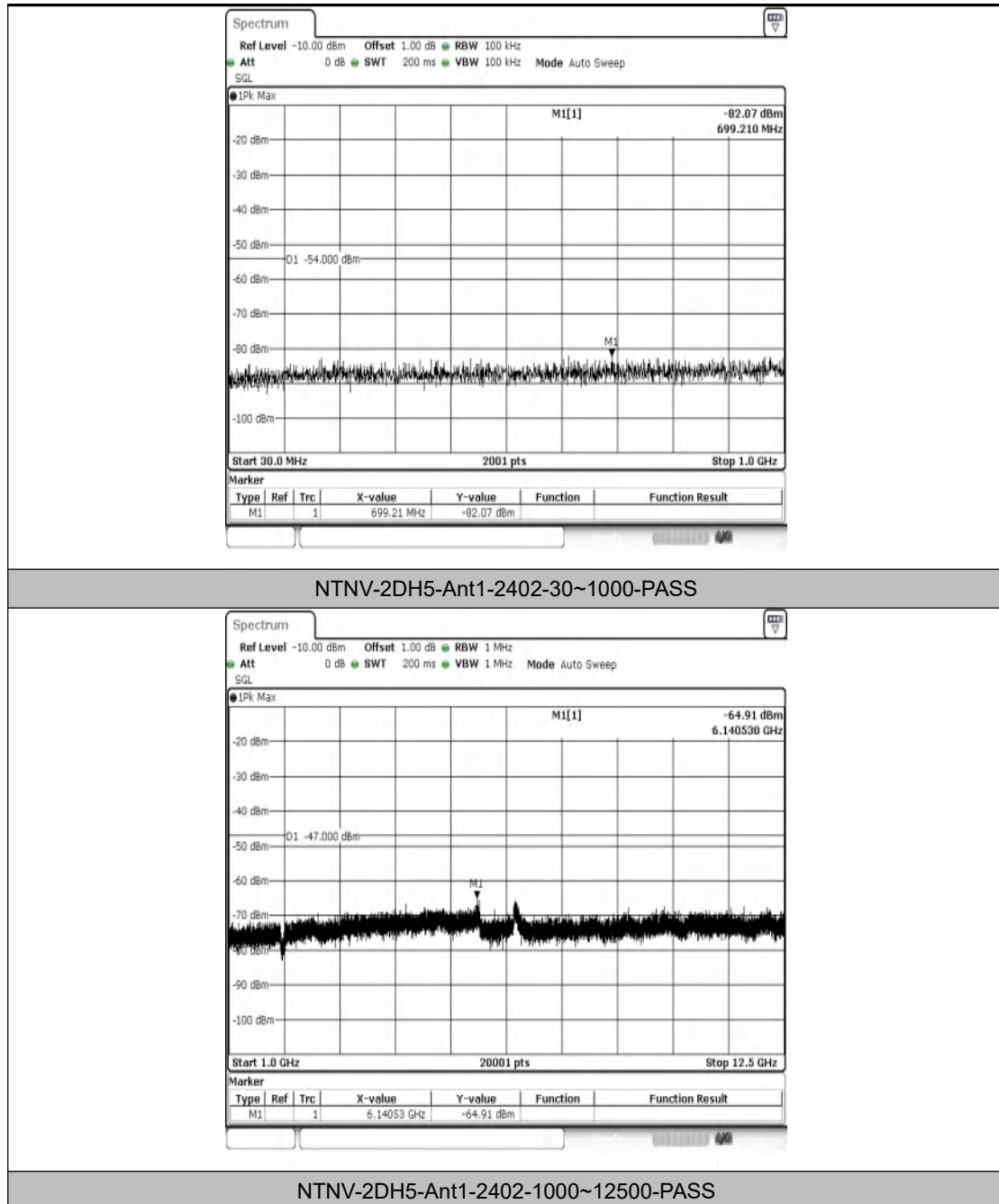


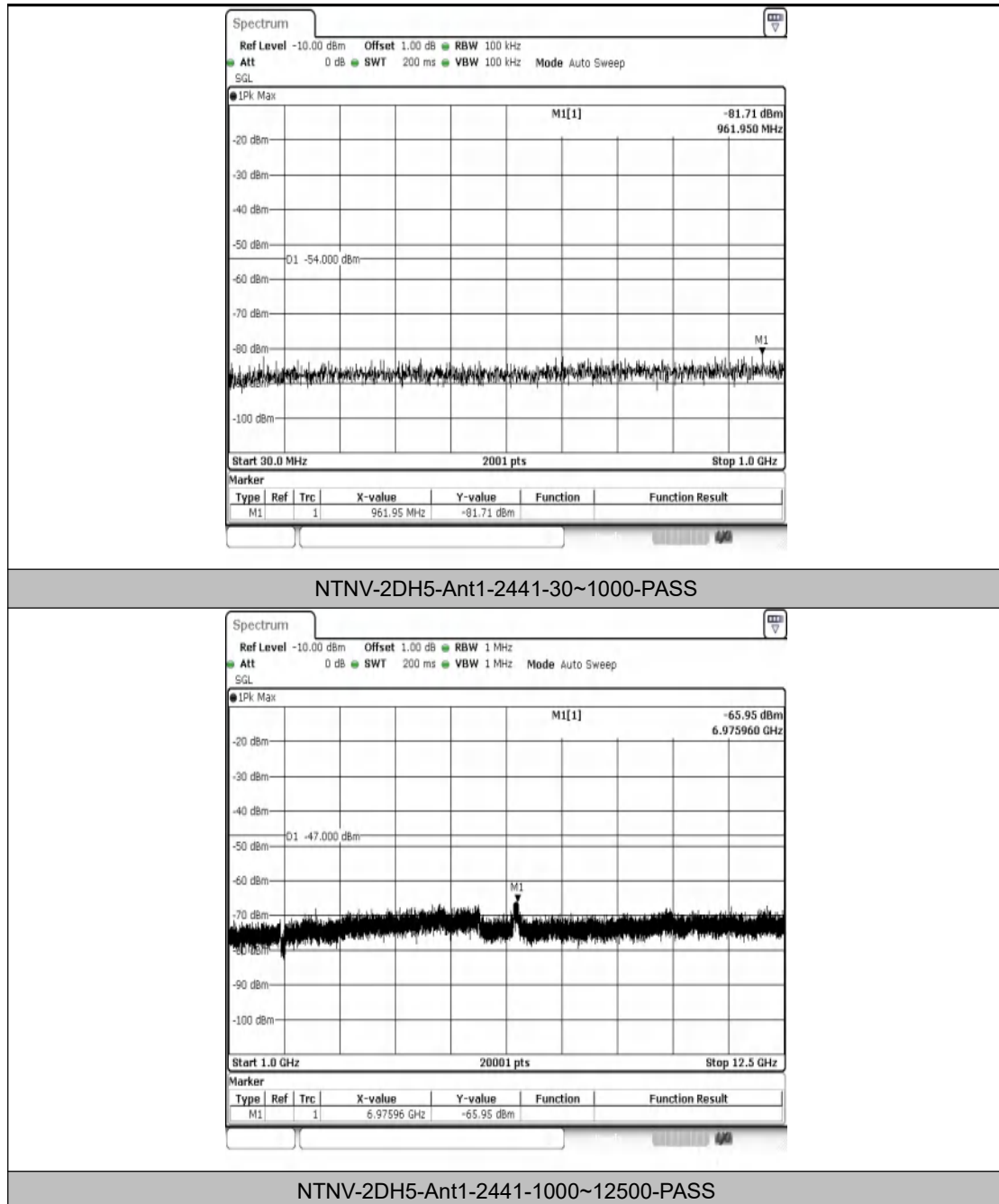
NTNV-DH5-Ant1-2480-30~1000-PASS

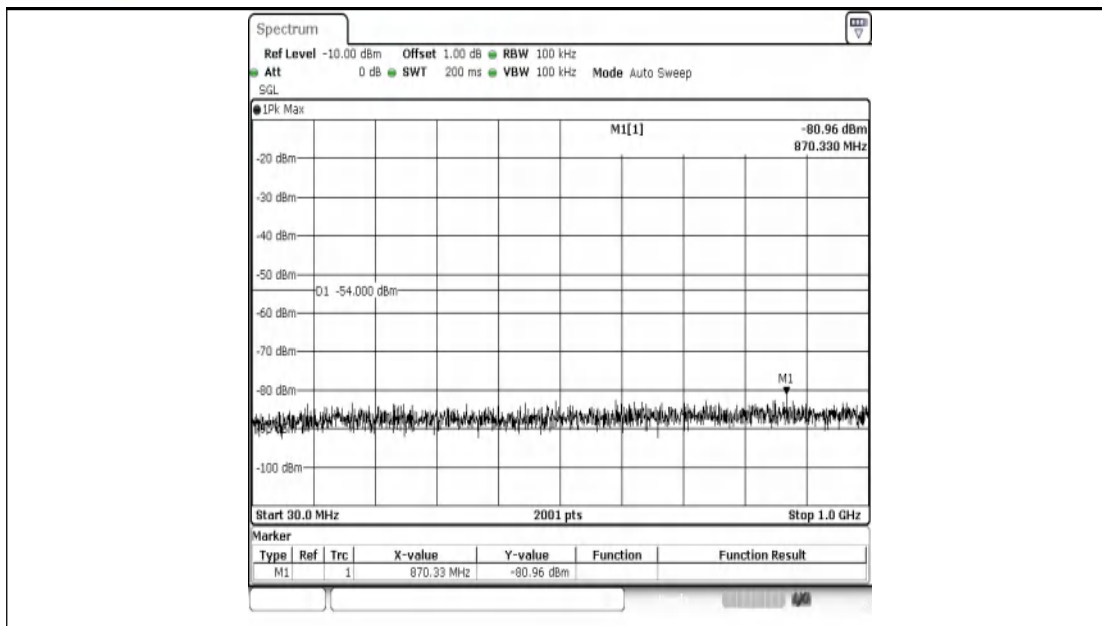


NTNV-DH5-Ant1-2480-1000~12500-PASS

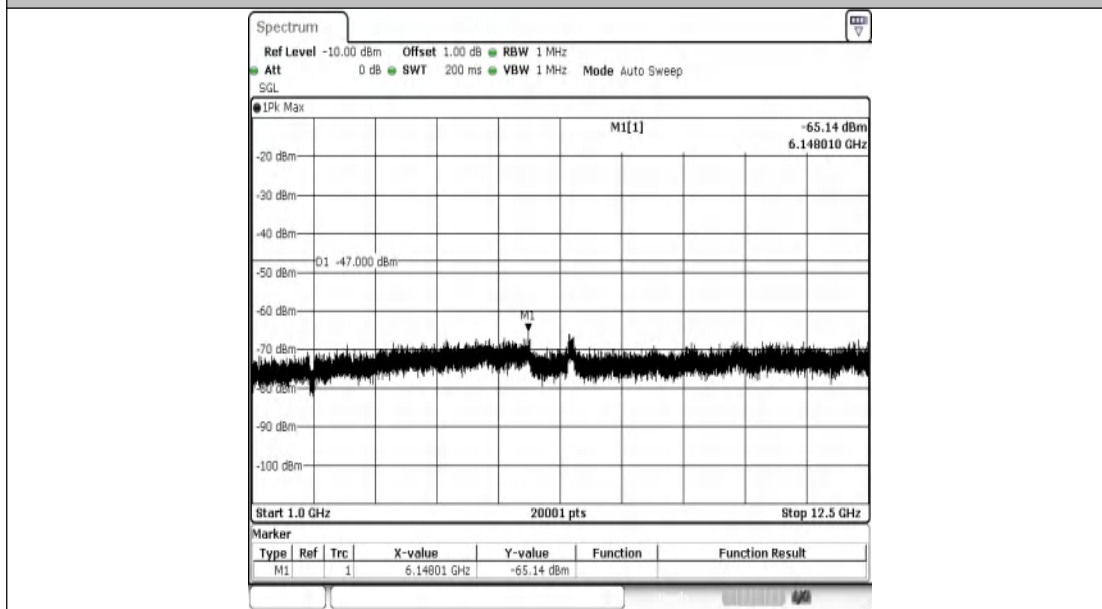






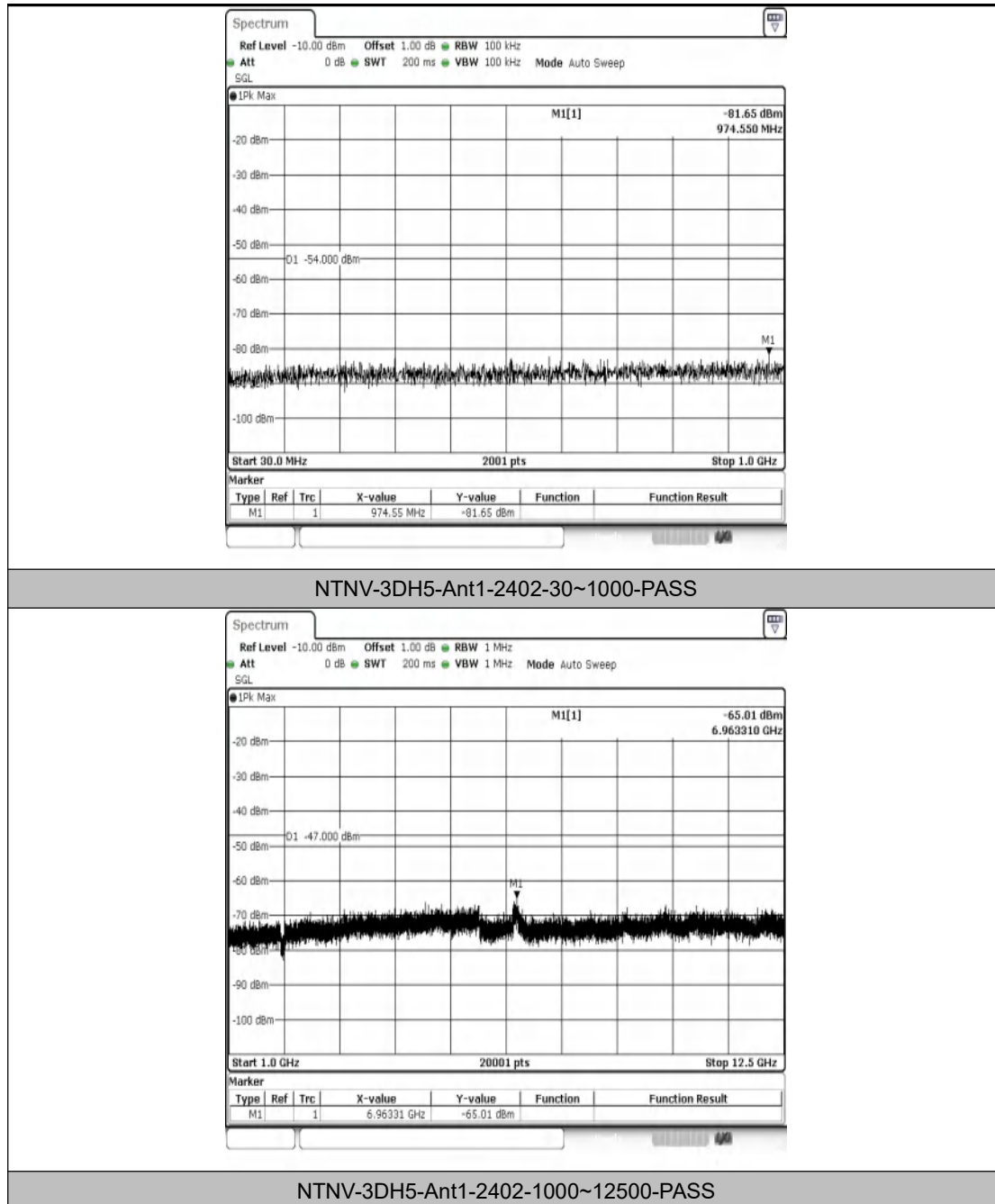


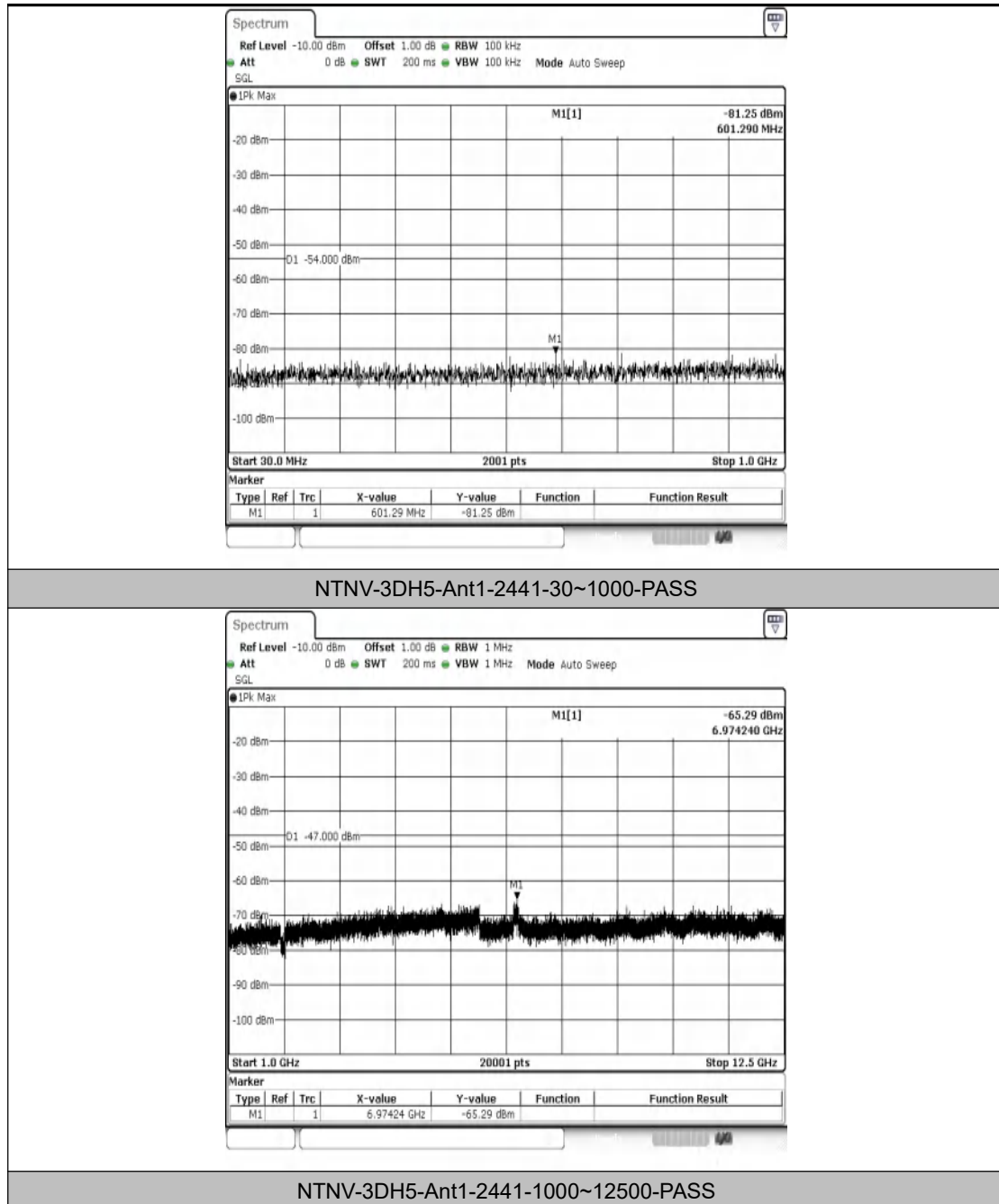
NTNV-2DH5-Ant1-2480-30~1000-PASS

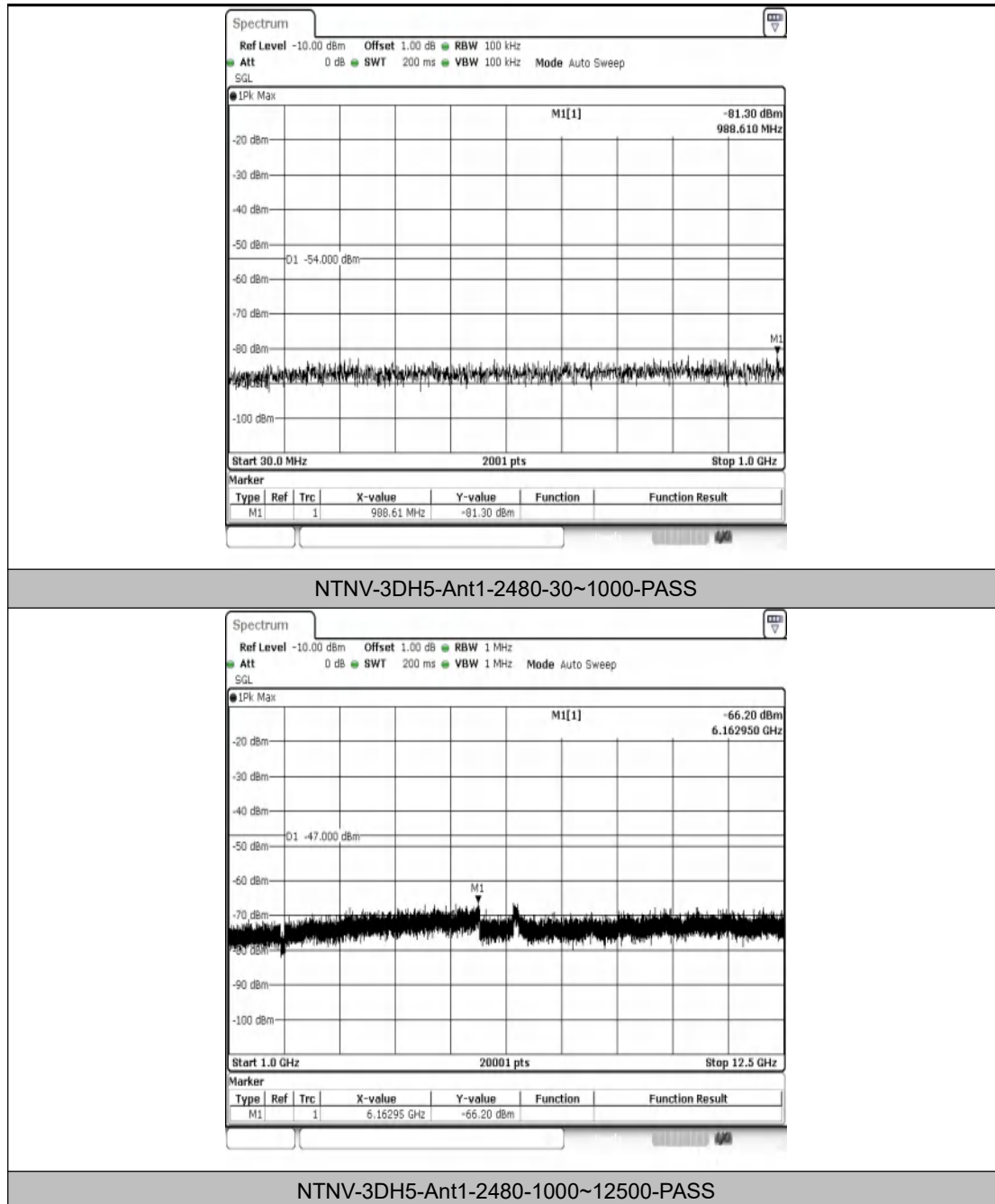


NTNV-2DH5-Ant1-2480-1000~12500-PASS









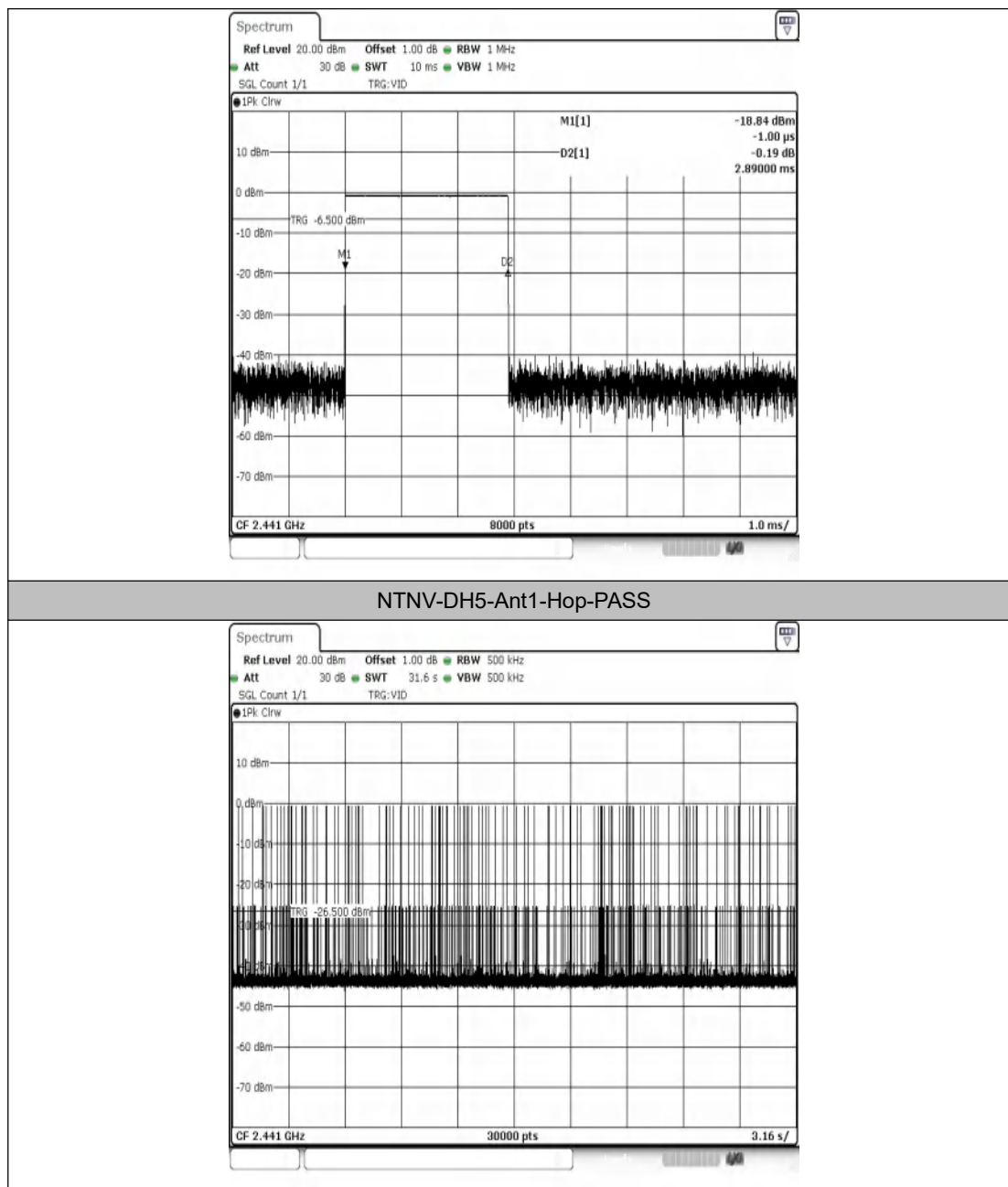
Appendix G: Dwell Time

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH5	Ant1	Hop	2.89	122	0.353	≤0.4	PASS
NTNV	2DH5	Ant1	Hop	2.89	98	0.283	≤0.4	PASS
NTNV	3DH5	Ant1	Hop	2.89	106	0.306	≤0.4	PASS



Test Graphs

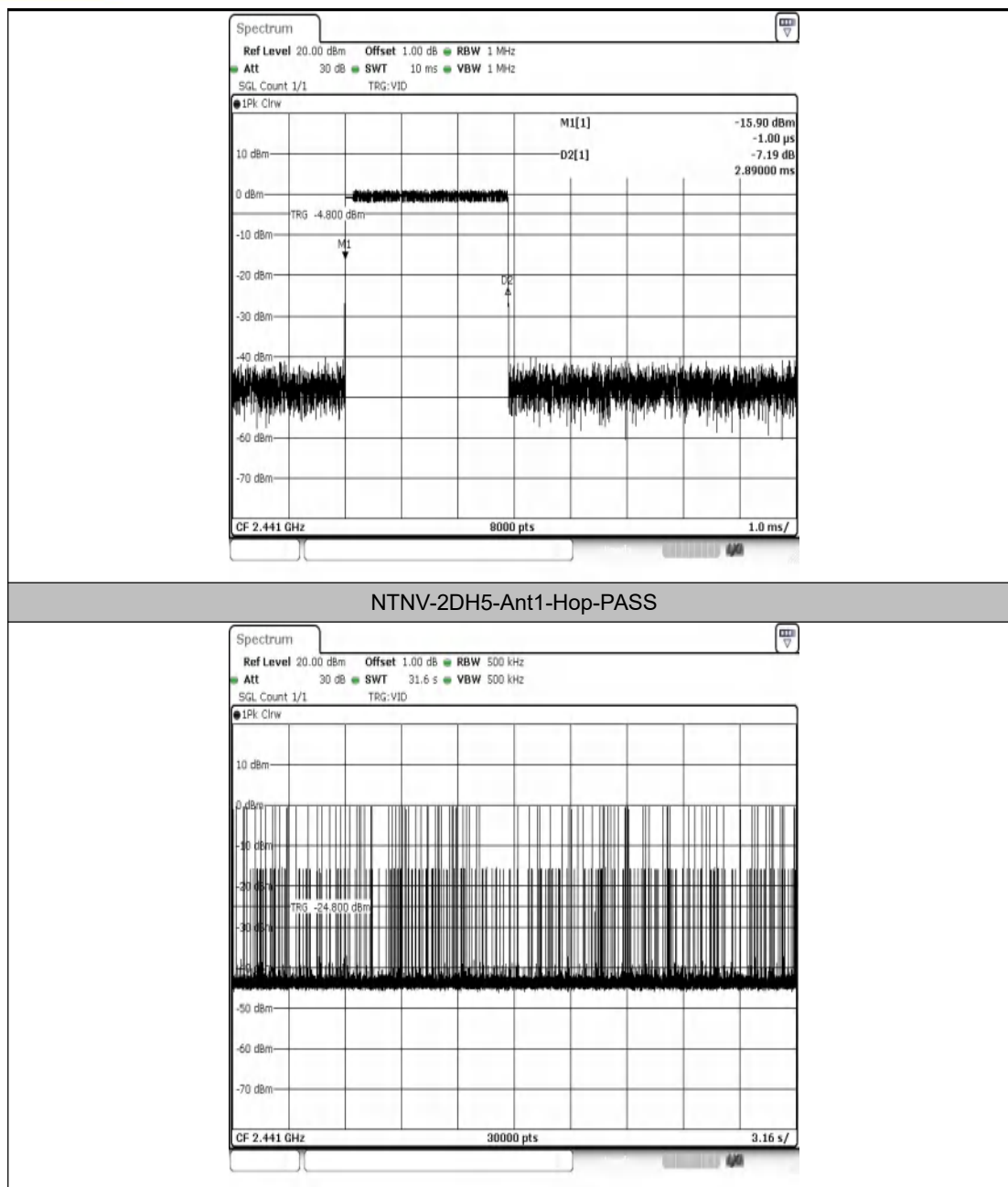


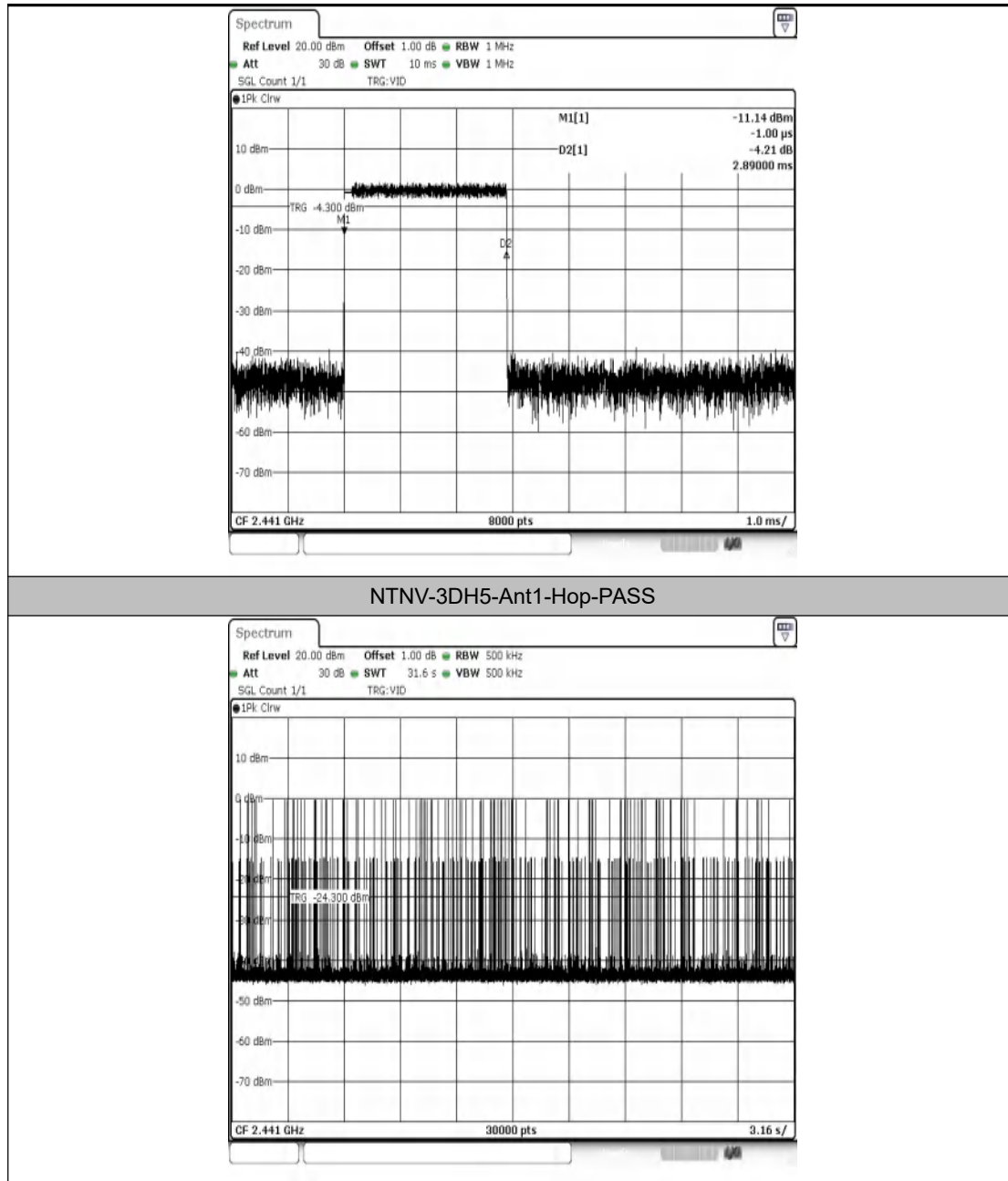
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---End---

