

Appendix Test Data

Report No.:	1819C60017712501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-2-7	Finish Test Date:	2026-2-9
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	21.9°C	Relative Humidity:	40%
Pressure:	101kPa		



Appendix A: Frequency_Error

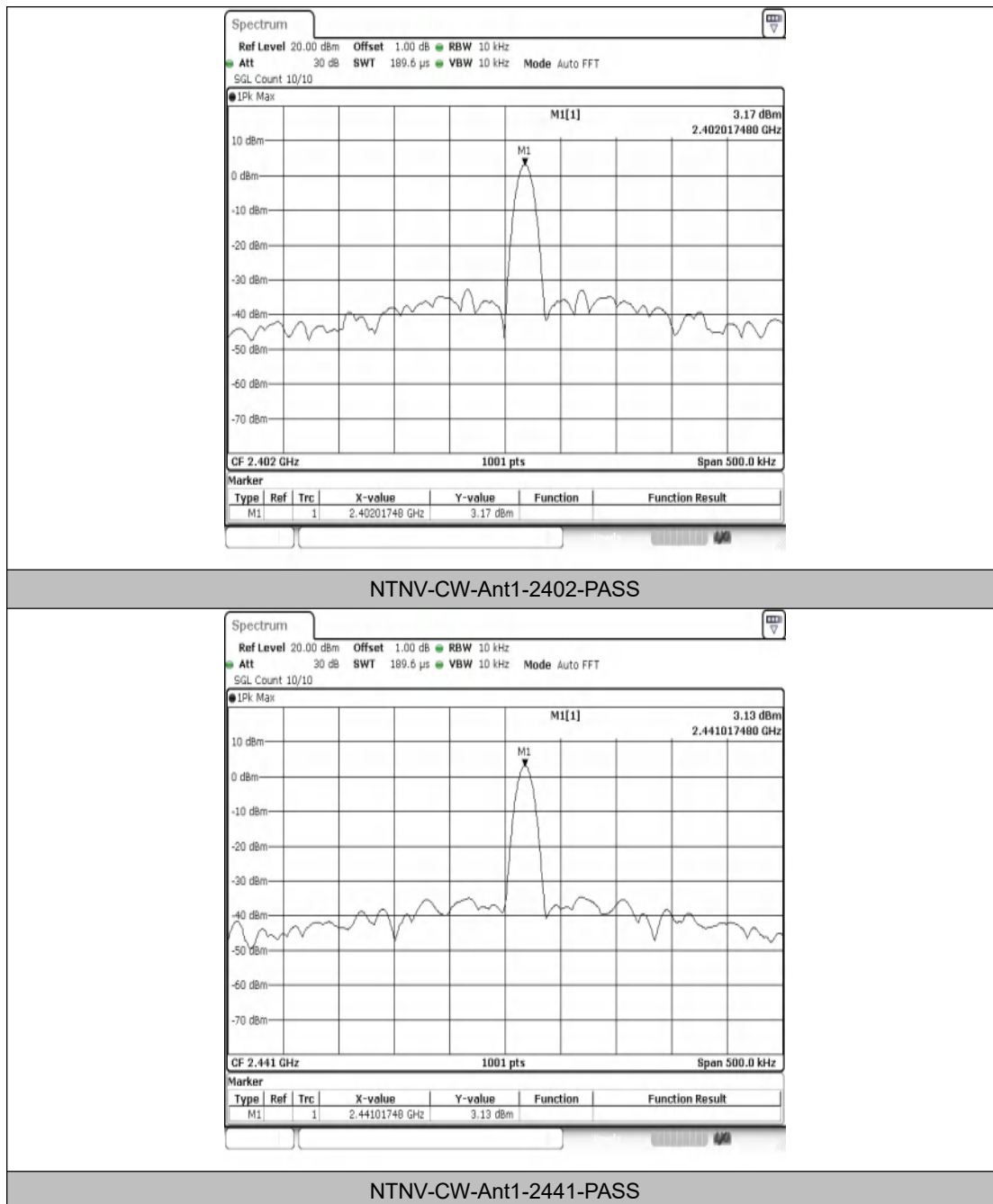
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2402.01748	7.27727	±50	PASS
NTNV	CW	Ant1	2441	2441.01748	7.16100	±50	PASS
NTNV	CW	Ant1	2480	2480.01748	7.04839	±50	PASS

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



Test Graphs



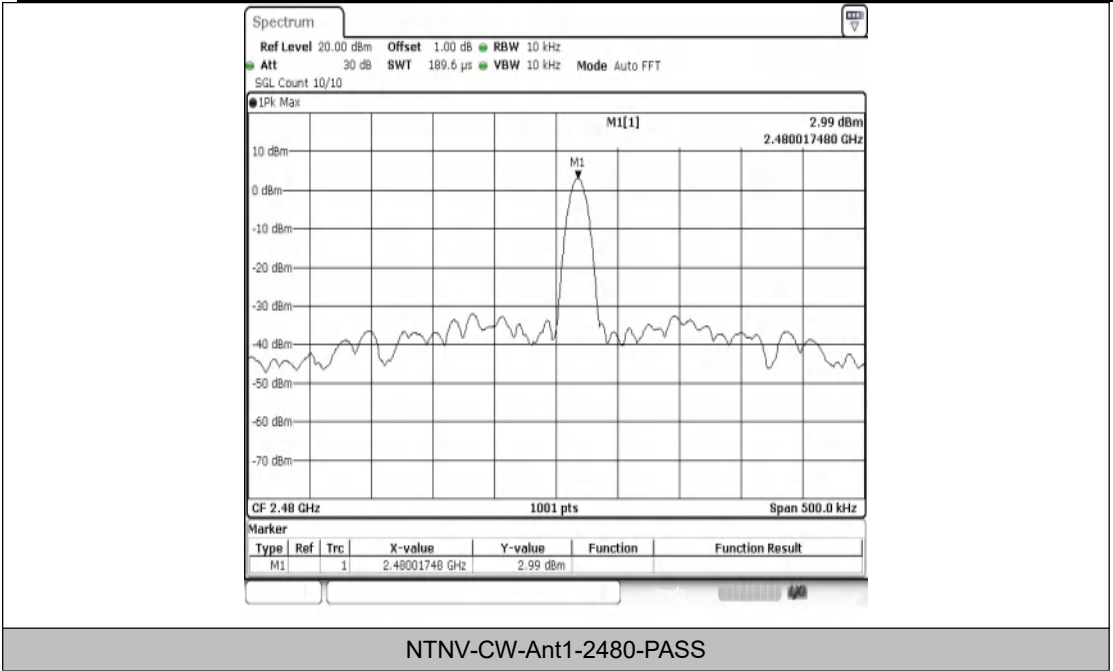
Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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NTNV-CW-Ant1-2480-PASS



Appendix B: Antenna Power

Test Result

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	21.87	153.8155	71.728	2.1444	≤3	PASS
NTNV	2DH5	Ant1	Hop	21.91	155.2387	71.728	2.1643	≤3	PASS
NTNV	3DH5	Ant1	Hop	21.91	155.2387	71.728	2.1643	≤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	2.1444	3	-28.52	+20	PASS
NTNV	2DH5	Ant1	Hop	2.1643	3	-27.86	+20	PASS
NTNV	3DH5	Ant1	Hop	2.1643	3	-27.86	+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	3.31	-0.68	2.63	≤6.91	PASS
NTNV	2DH5	Ant1	Hop	3.35	-0.68	2.67	≤6.91	PASS
NTNV	3DH5	Ant1	Hop	3.35	-0.68	2.67	≤6.91	PASS

Note:

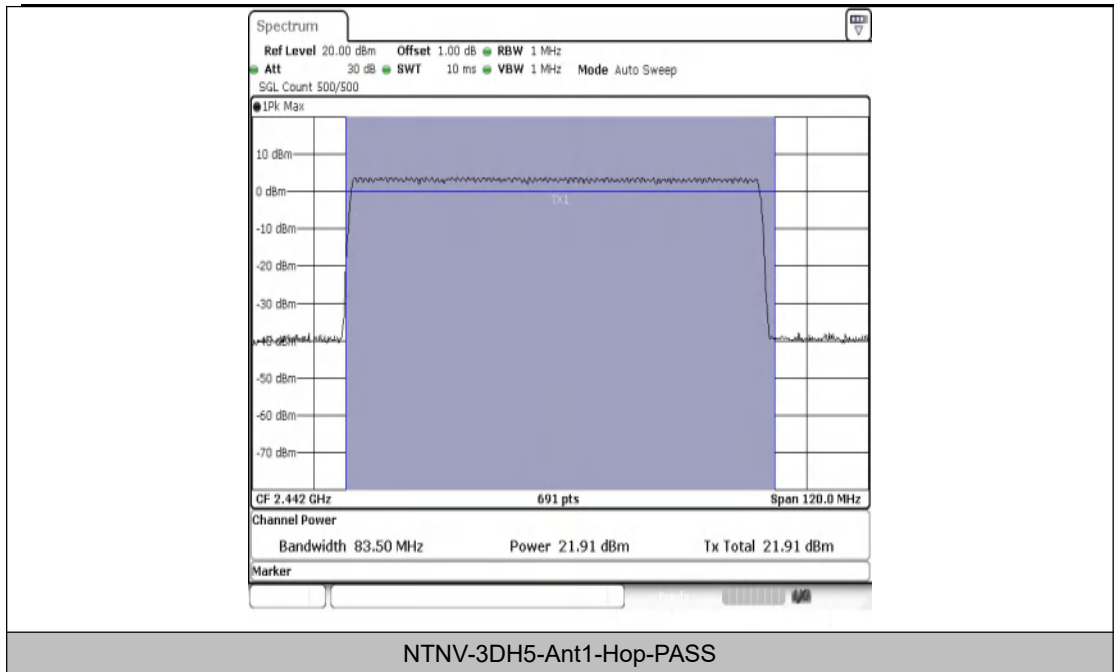
Result (dBm/MHz) = $10 \log(\text{Power (mW/MHz)})$

EIRP (dBm/MHz) = Result (dBm/MHz) + Gain (dBi)



Test Graphs





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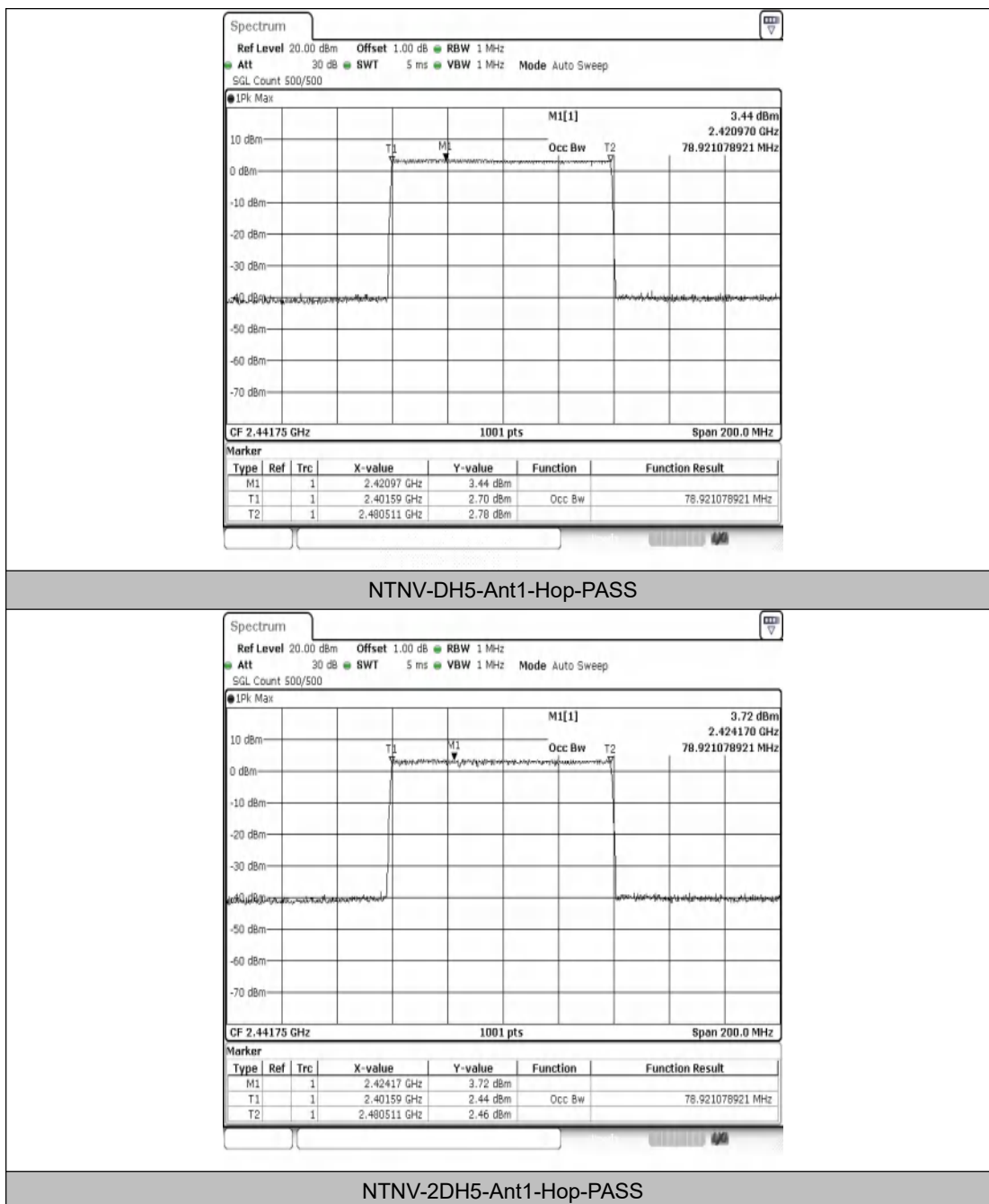
Appendix C: Occupied Bandwidth

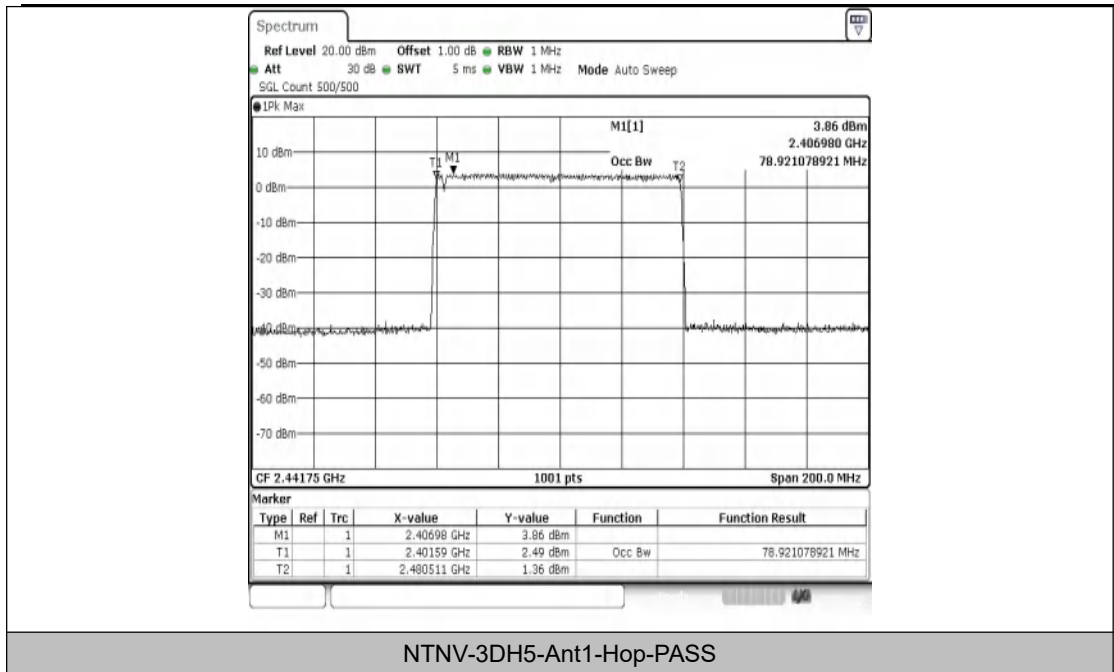
Test Result

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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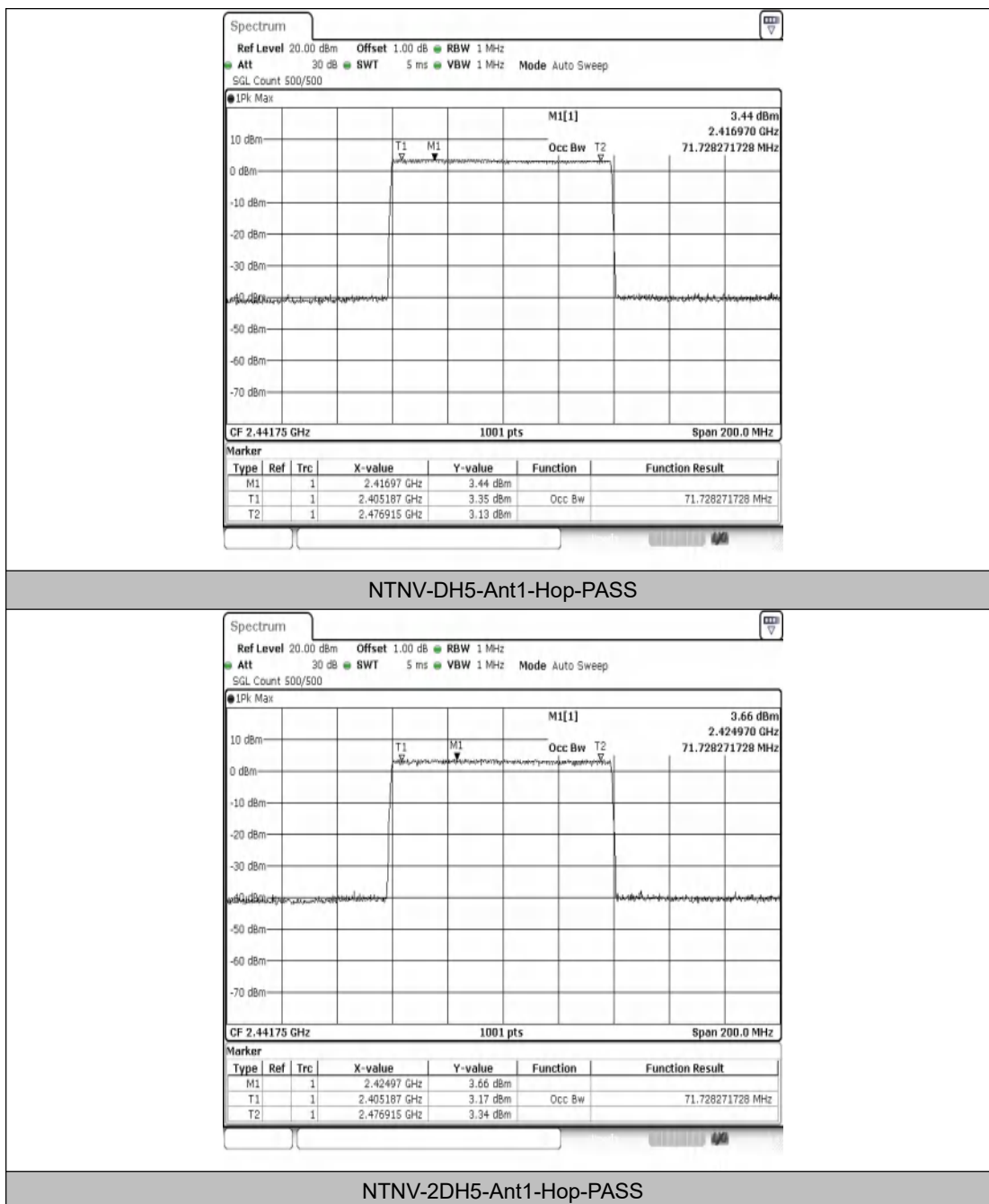
Appendix D: Spread Bandwidth

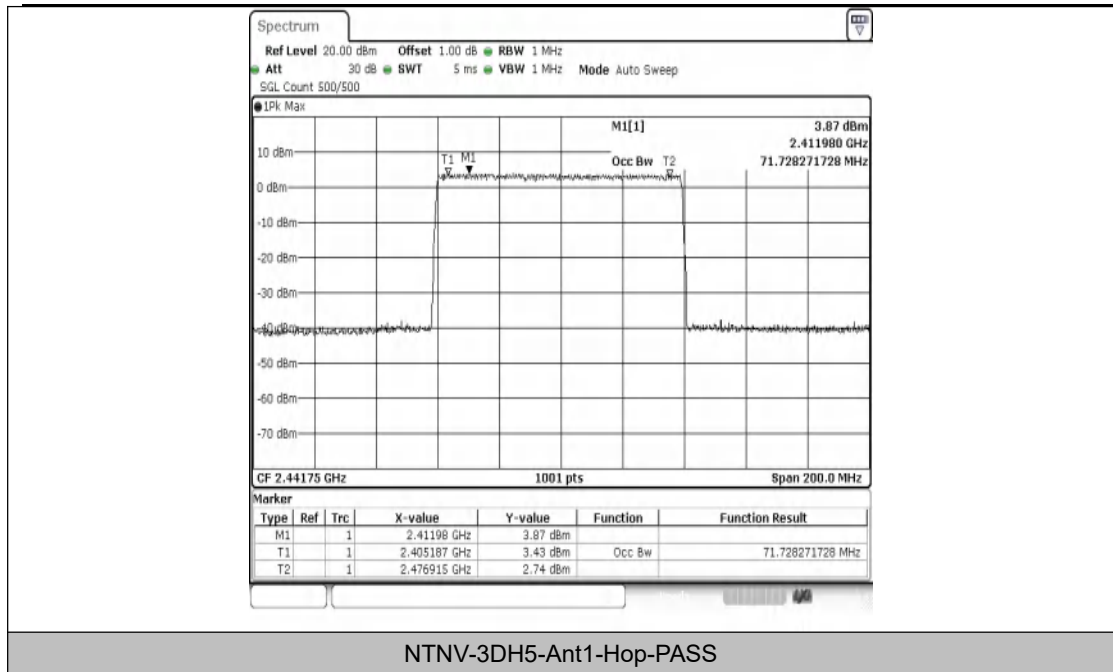
Test Result

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



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	785.87	-49.55	≤ -26	0.01109	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	1000~2387	2385.61	-43.70	≤ -26	0.04266	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	2387~2400	2399.98	-32.21	≤ -16	0.60117	≤ 25	PASS
NTNV	DH5	Ant1	2402	2483.5~2496.5	2494.47	-37.96	≤ -16	0.15996	≤ 25	PASS
NTNV	DH5	Ant1	2402	2496.5~13000	4803.59	-35.39	≤ -26	0.28907	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	30~1000	969.20	-50.23	≤ -26	0.00948	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	1000~2387	2296.85	-48.29	≤ -26	0.01483	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	2387~2400	2393.04	-38.43	≤ -16	0.14355	≤ 25	PASS
NTNV	DH5	Ant1	2441	2483.5~2496.5	2495.62	-37.82	≤ -16	0.16520	≤ 25	PASS
NTNV	DH5	Ant1	2441	2496.5~13000	4881.84	-35.65	≤ -26	0.27227	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	30~1000	781.02	-49.61	≤ -26	0.01094	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	1000~2387	2336.03	-47.53	≤ -26	0.01766	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	2387~2400	2388.34	-37.84	≤ -16	0.16444	≤ 25	PASS
NTNV	DH5	Ant1	2480	2483.5~2496.5	2487.99	-36.81	≤ -16	0.20845	≤ 25	PASS
NTNV	DH5	Ant1	2480	2496.5~13000	4960.62	-36.72	≤ -26	0.21281	≤ 2.5	PASS
NTNV	2DH5	Ant1	2402	30~1000	935.01	-49.97	≤ -26	0.01007	≤ 2.5	PASS
NTNV	2DH5	Ant1	2402	1000~2387	2378.33	-42.55	≤ -26	0.05559	≤ 2.5	PASS
NTNV	2D	Ant1	2402	2387~2400	2400	-26.48	≤ -16	2.249	≤ 25	PASS

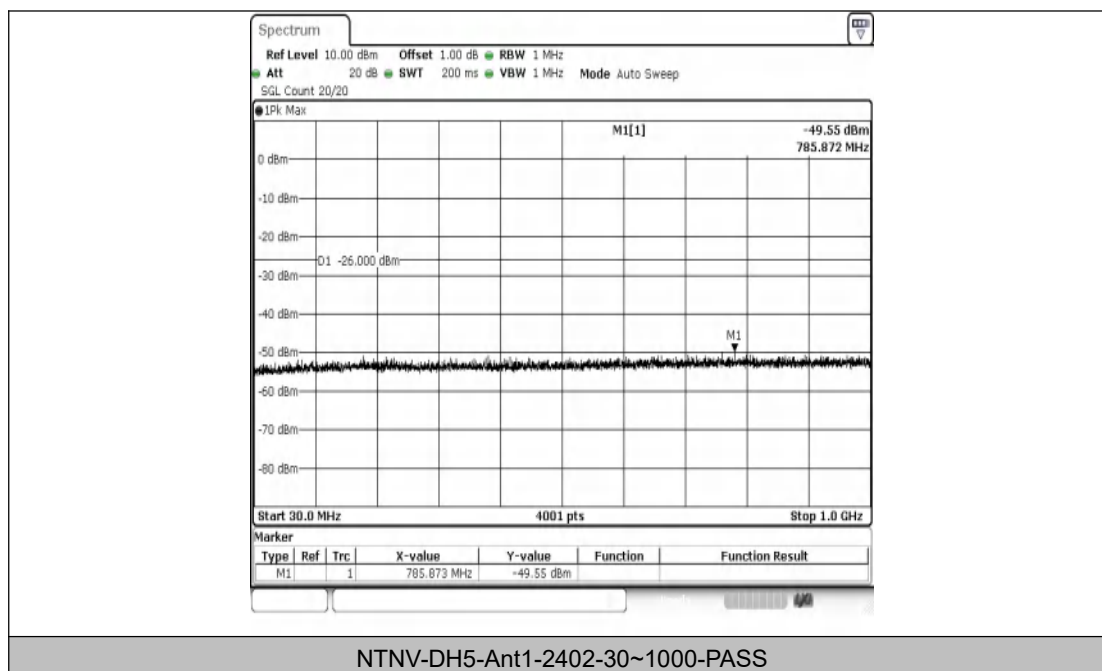


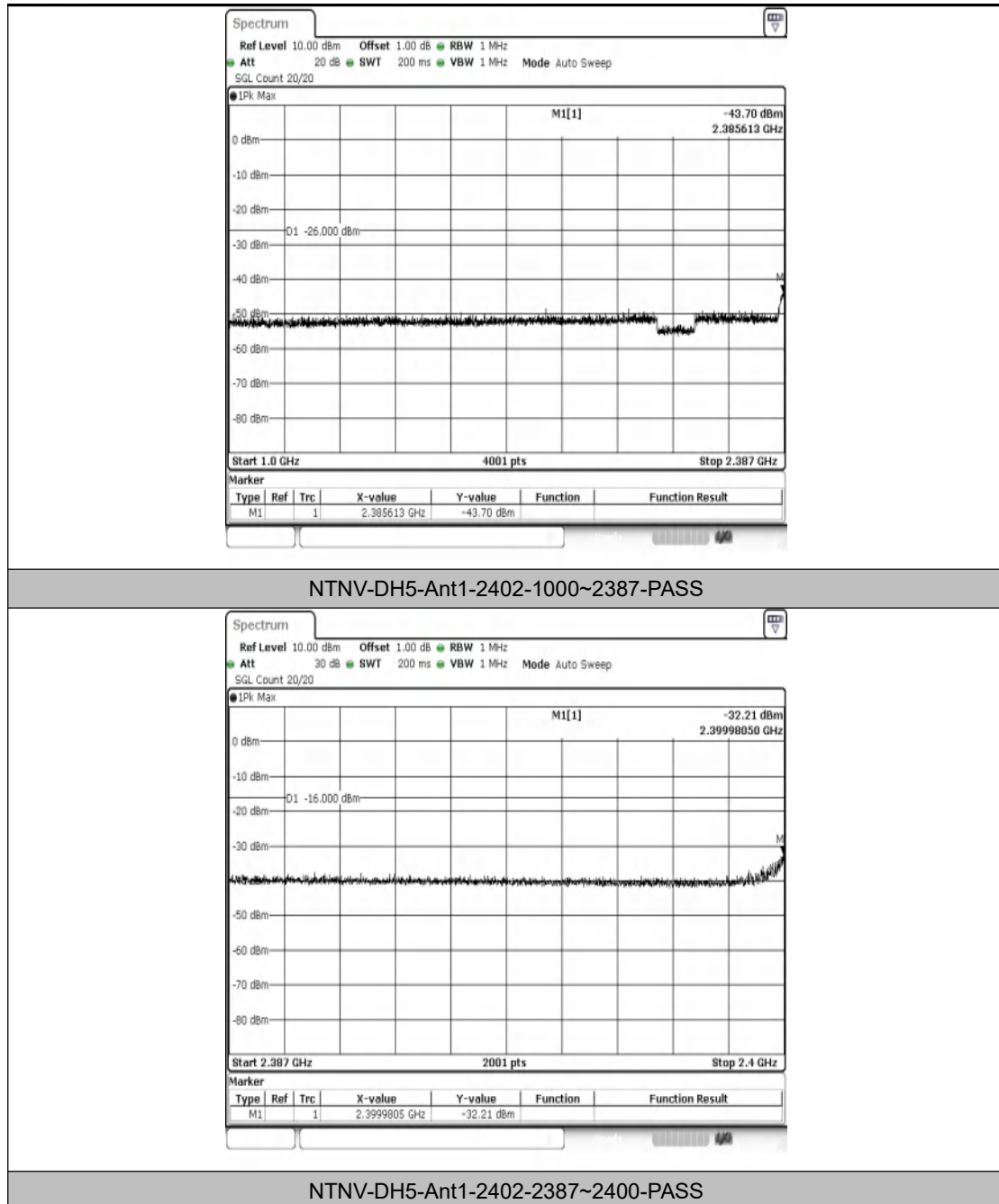
	H5			0	.00			05		S
NTNV	2D H5	Ant1	2402	2483.5~2 496.5	2487 .26	-38.30	≤-16	0.147 91	≤25	PAS S
NTNV	2D H5	Ant1	2402	2496.5~1 3000	4803 .59	-35.19	≤-26	0.302 69	≤2.5	PAS S
NTNV	2D H5	Ant1	2441	30~1000	778. 36	-50.14	≤-26	0.009 68	≤2.5	PAS S
NTNV	2D H5	Ant1	2441	1000~238 7	2319 .04	-49.14	≤-26	0.012 19	≤2.5	PAS S
NTNV	2D H5	Ant1	2441	2387~240 0	2393 .42	-38.46	≤-16	0.142 56	≤25	PAS S
NTNV	2D H5	Ant1	2441	2483.5~2 496.5	2489 .10	-38.38	≤-16	0.145 21	≤25	PAS S
NTNV	2D H5	Ant1	2441	2496.5~1 3000	4881 .84	-35.64	≤-26	0.272 90	≤2.5	PAS S
NTNV	2D H5	Ant1	2480	30~1000	781. 75	-50.13	≤-26	0.009 71	≤2.5	PAS S
NTNV	2D H5	Ant1	2480	1000~238 7	2336 .03	-46.74	≤-26	0.0211 8	≤2.5	PAS S
NTNV	2D H5	Ant1	2480	2387~240 0	2398 .75	-38.53	≤-16	0.140 28	≤25	PAS S
NTNV	2D H5	Ant1	2480	2483.5~2 496.5	2492 .52	-37.24	≤-16	0.188 80	≤25	PAS S
NTNV	2D H5	Ant1	2480	2496.5~1 3000	4960 .10	-36.64	≤-26	0.216 77	≤2.5	PAS S
NTNV	3D H5	Ant1	2402	30~1000	722. 82	-50.14	≤-26	0.009 68	≤2.5	PAS S
NTNV	3D H5	Ant1	2402	1000~238 7	2380 .76	-41.69	≤-26	0.067 76	≤2.5	PAS S
NTNV	3D H5	Ant1	2402	2387~240 0	2400 .00	-25.82	≤-16	2.618 18	≤25	PAS S
NTNV	3D H5	Ant1	2402	2483.5~2 496.5	2492 .81	-37.98	≤-16	0.159 22	≤25	PAS S
NTNV	3D H5	Ant1	2402	2496.5~1 3000	4803 .59	-35.99	≤-26	0.251 77	≤2.5	PAS S
NTNV	3D H5	Ant1	2441	30~1000	95.9 6	-49.10	≤-26	0.012 30	≤2.5	PAS S
NTNV	3D H5	Ant1	2441	1000~238 7	2298 .23	-49.18	≤-26	0.012 08	≤2.5	PAS S
NTNV	3D H5	Ant1	2441	2387~240 0	2393 .95	-38.98	≤-16	0.126 47	≤25	PAS S
NTNV	3D H5	Ant1	2441	2483.5~2 496.5	2492 .63	-38.20	≤-16	0.151 36	≤25	PAS S

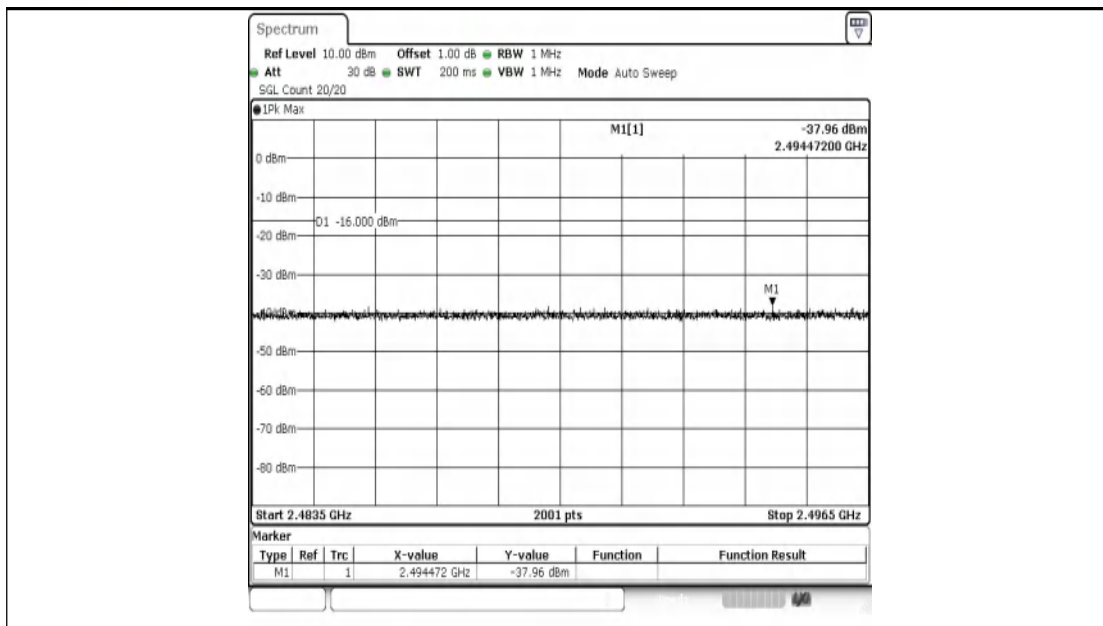


NTNV	3D H5	Ant1	2441	2496.5~1 3000	9763 .87	-35.06	≤-26	0.3118 9	≤2.5	PAS S
NTNV	3D H5	Ant1	2480	30~1000	95.9 6	-49.52	≤-26	0.0111 7	≤2.5	PAS S
NTNV	3D H5	Ant1	2480	1000~238 7	2336 .03	-48.42	≤-26	0.014 39	≤2.5	PAS S
NTNV	3D H5	Ant1	2480	2387~240 0	2398 .16	-37.93	≤-16	0.161 06	≤25	PAS S
NTNV	3D H5	Ant1	2480	2483.5~2 496.5	2492 .92	-36.53	≤-16	0.222 33	≤25	PAS S
NTNV	3D H5	Ant1	2480	2496.5~1 3000	9920 .37	-36.97	≤-26	0.200 91	≤2.5	PAS S

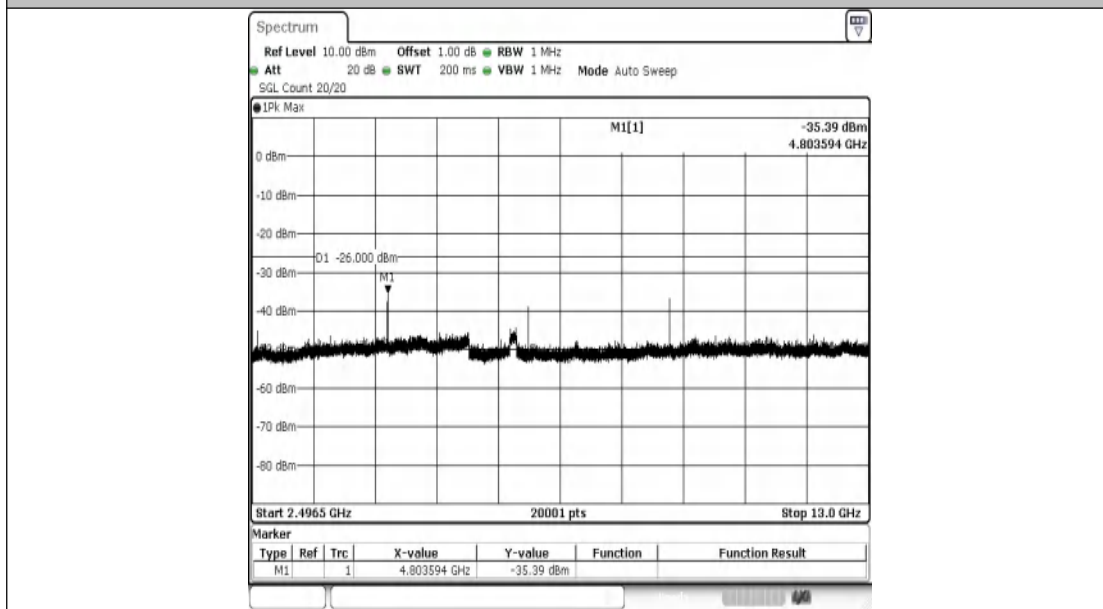
Test Graphs





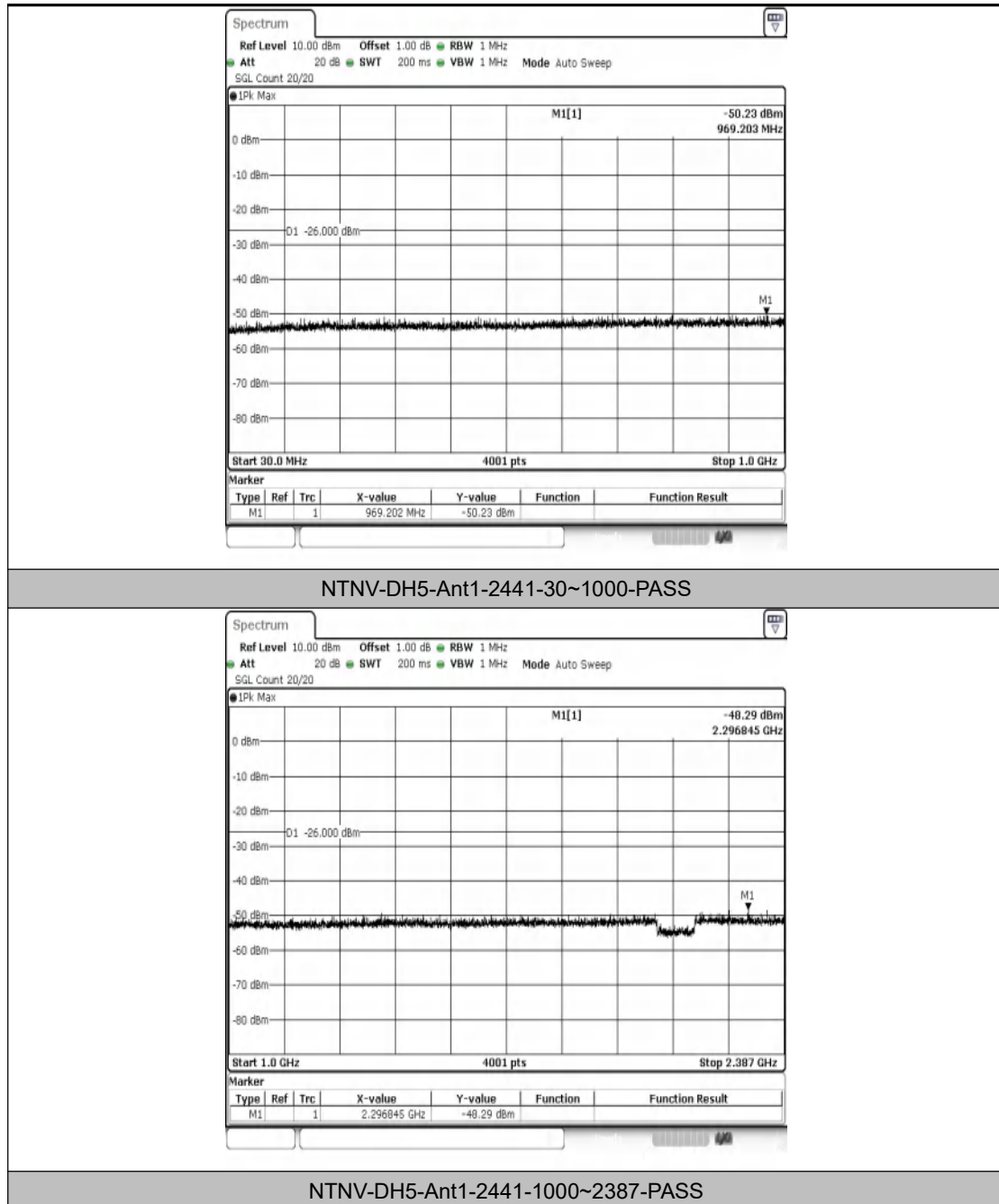


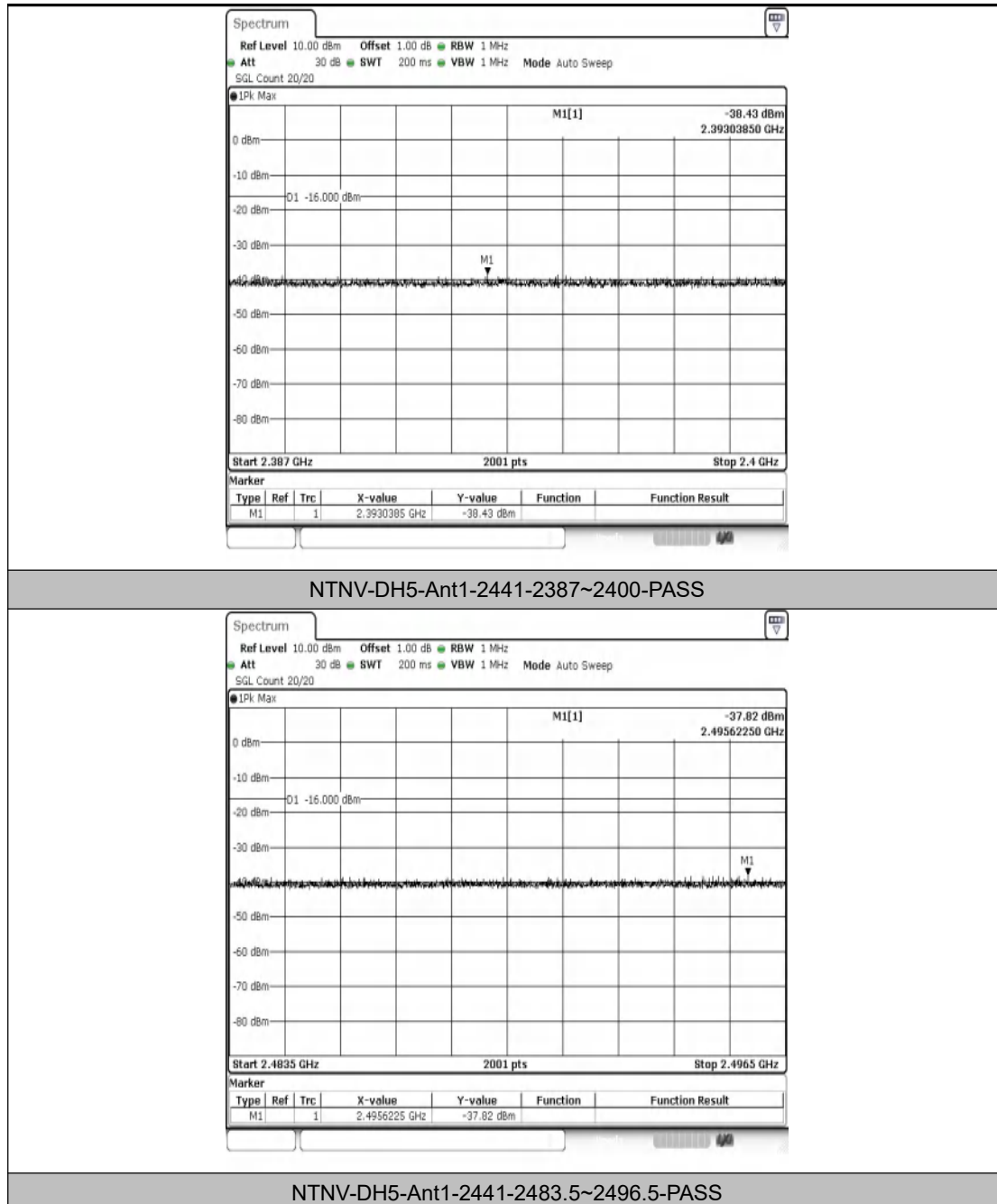
NTNV-DH5-Ant1-2402-2483.5~2496.5-PASS

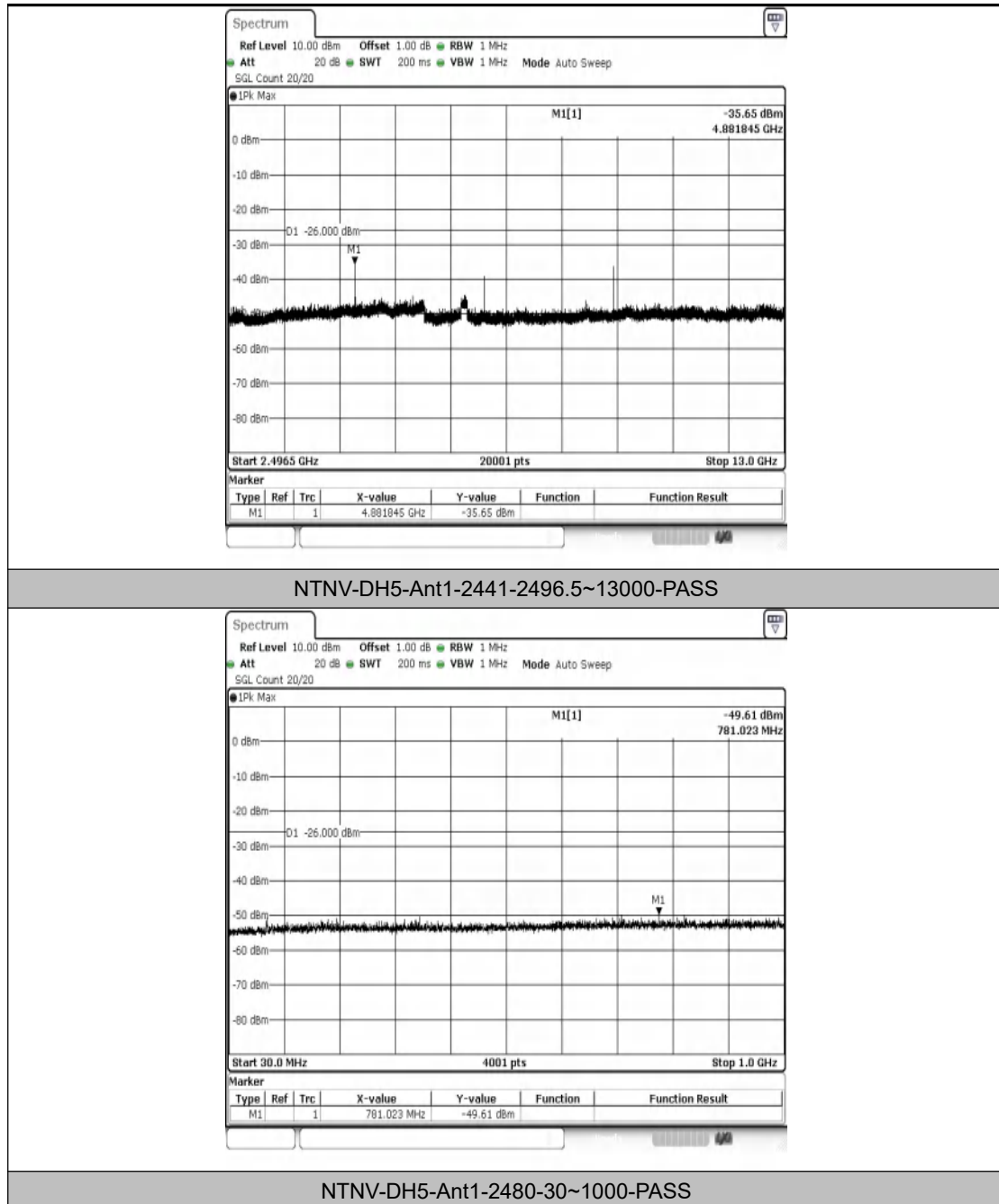


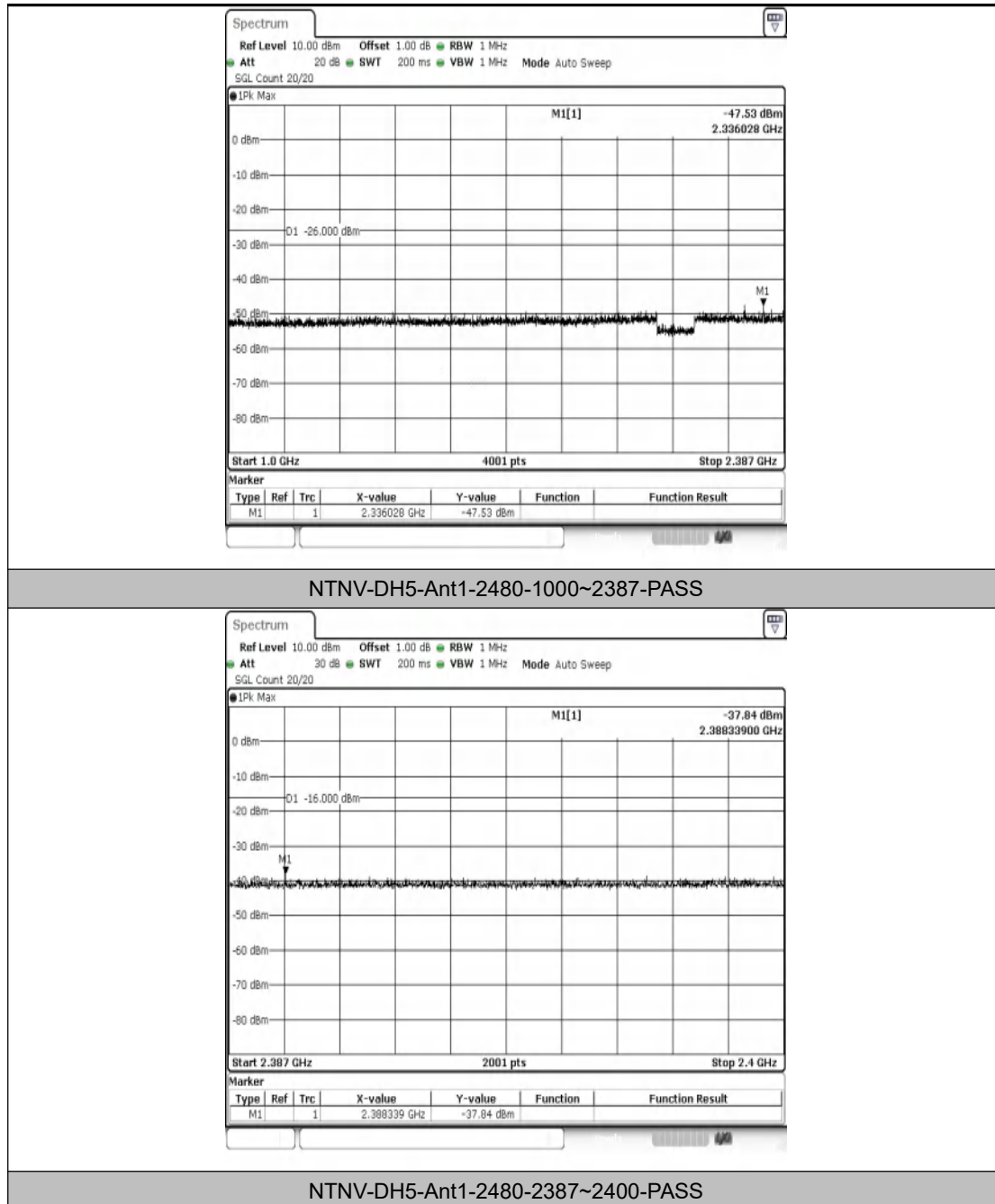
NTNV-DH5-Ant1-2402-2496.5~13000-PASS

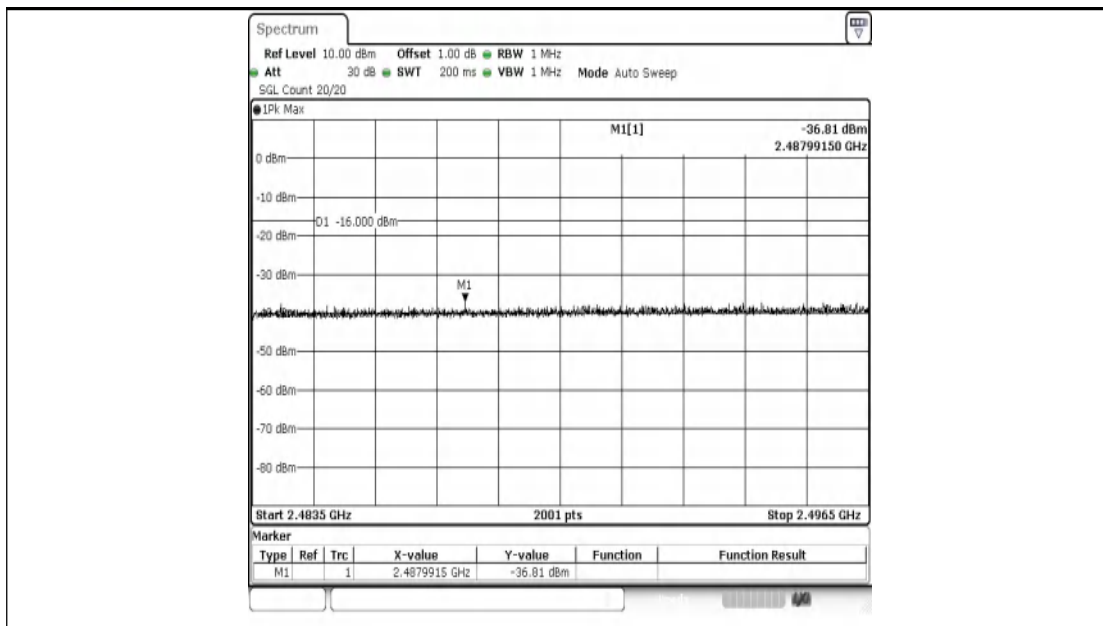




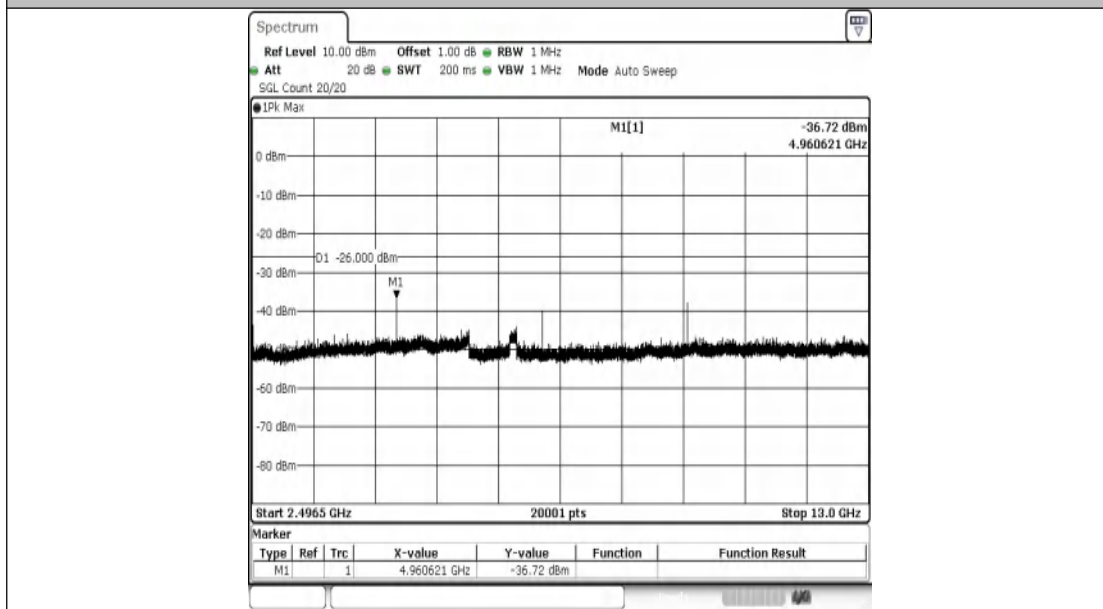






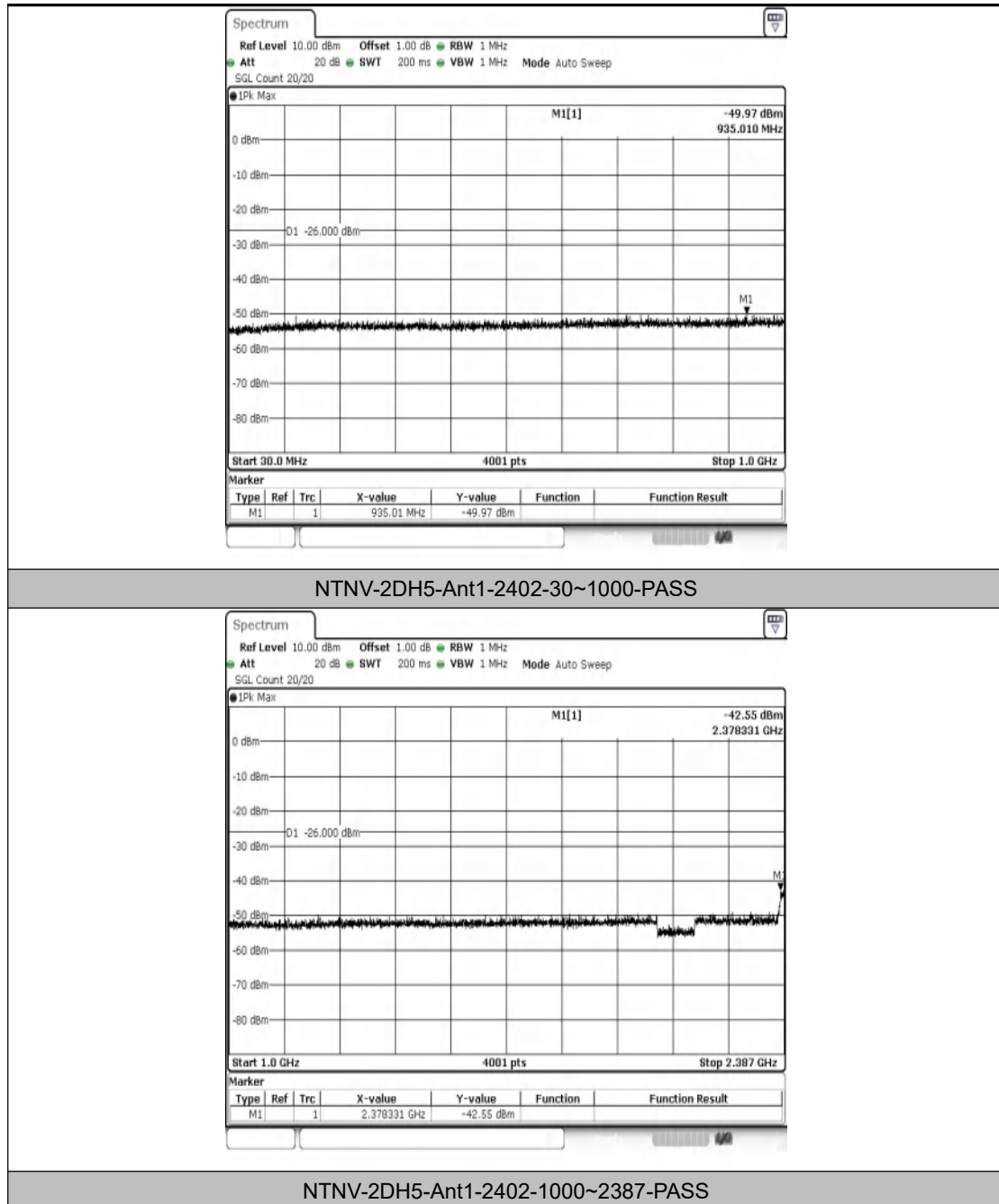


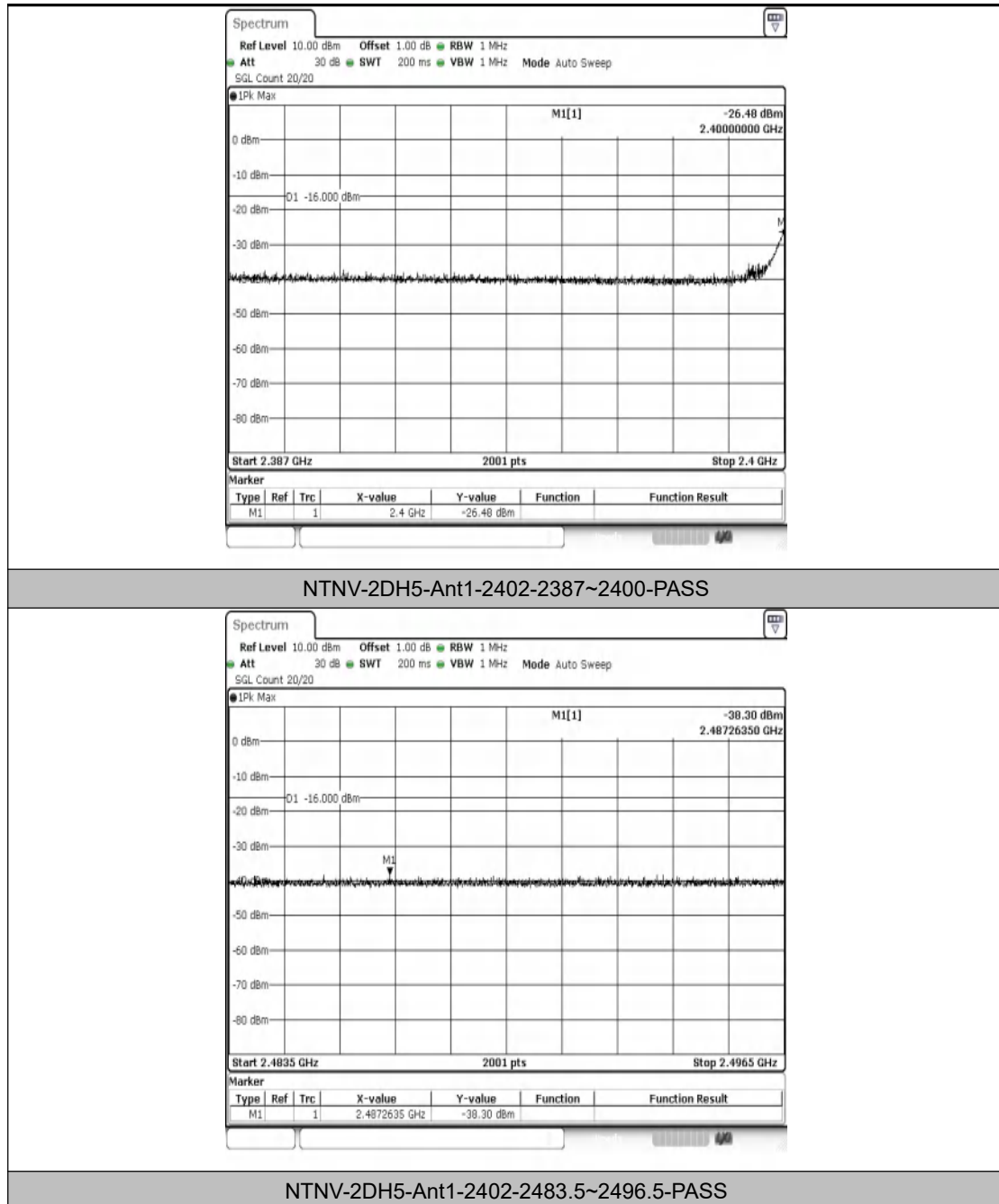
NTNV-DH5-Ant1-2480-2483.5~2496.5-PASS

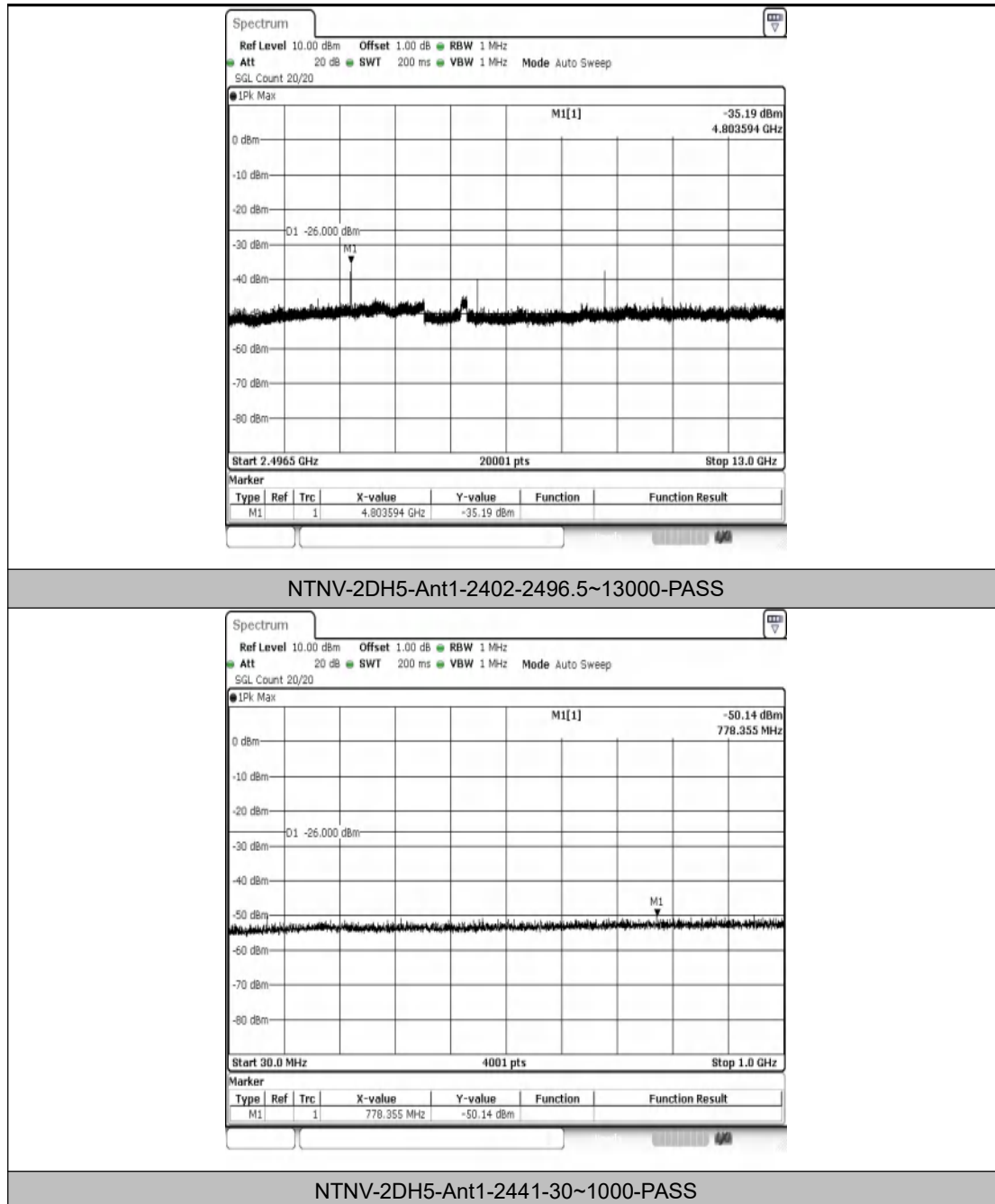


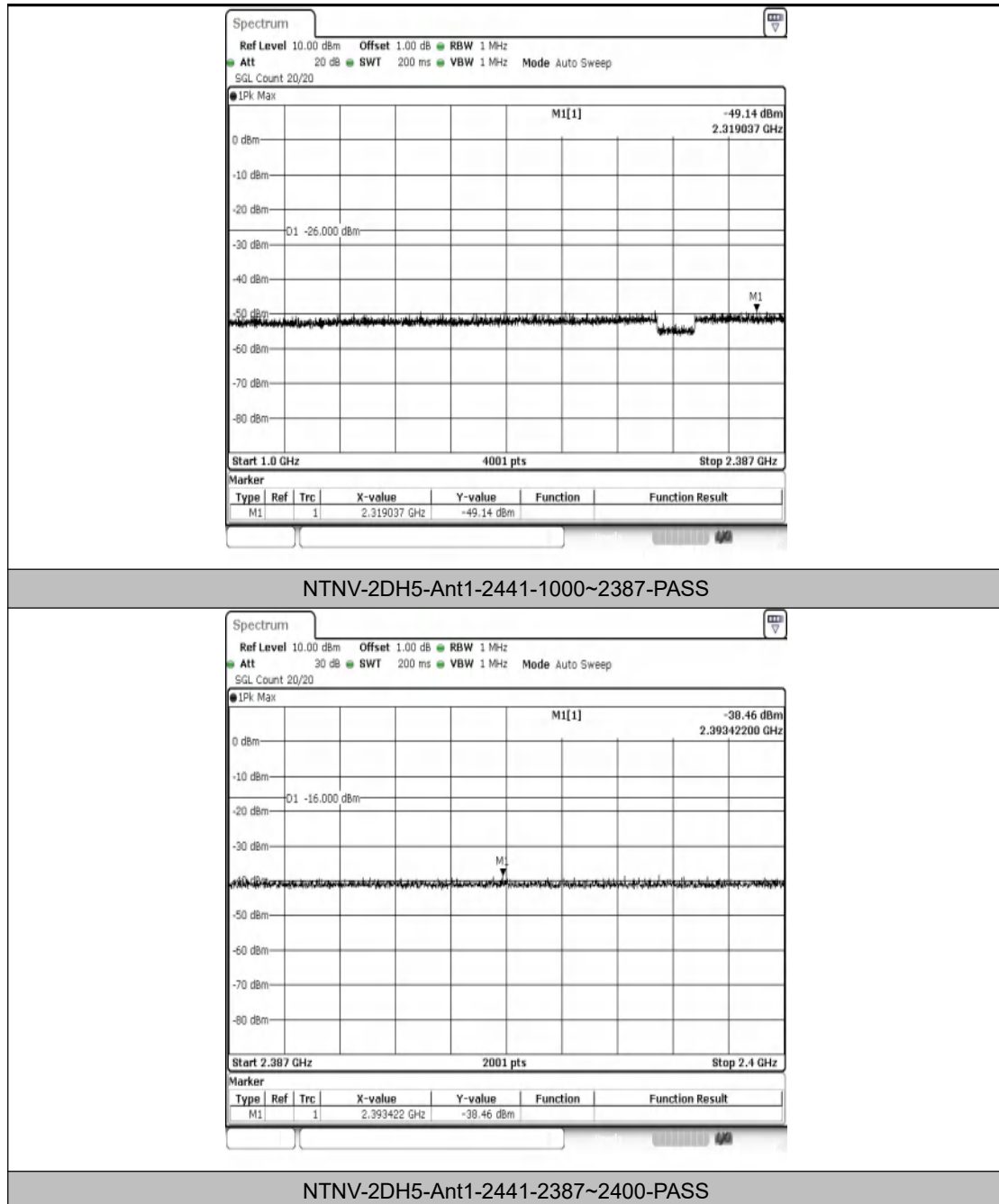
NTNV-DH5-Ant1-2480-2496.5~13000-PASS

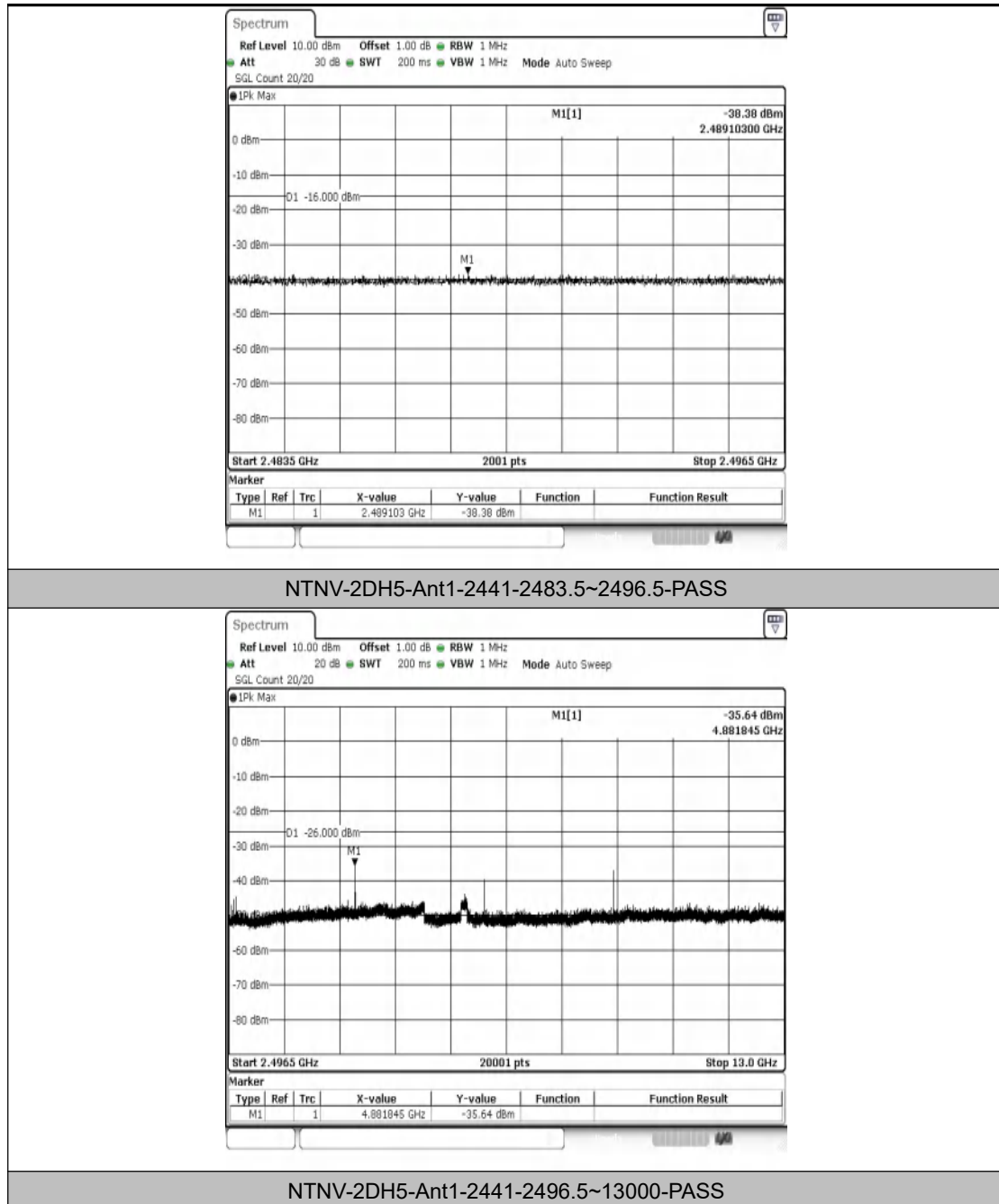


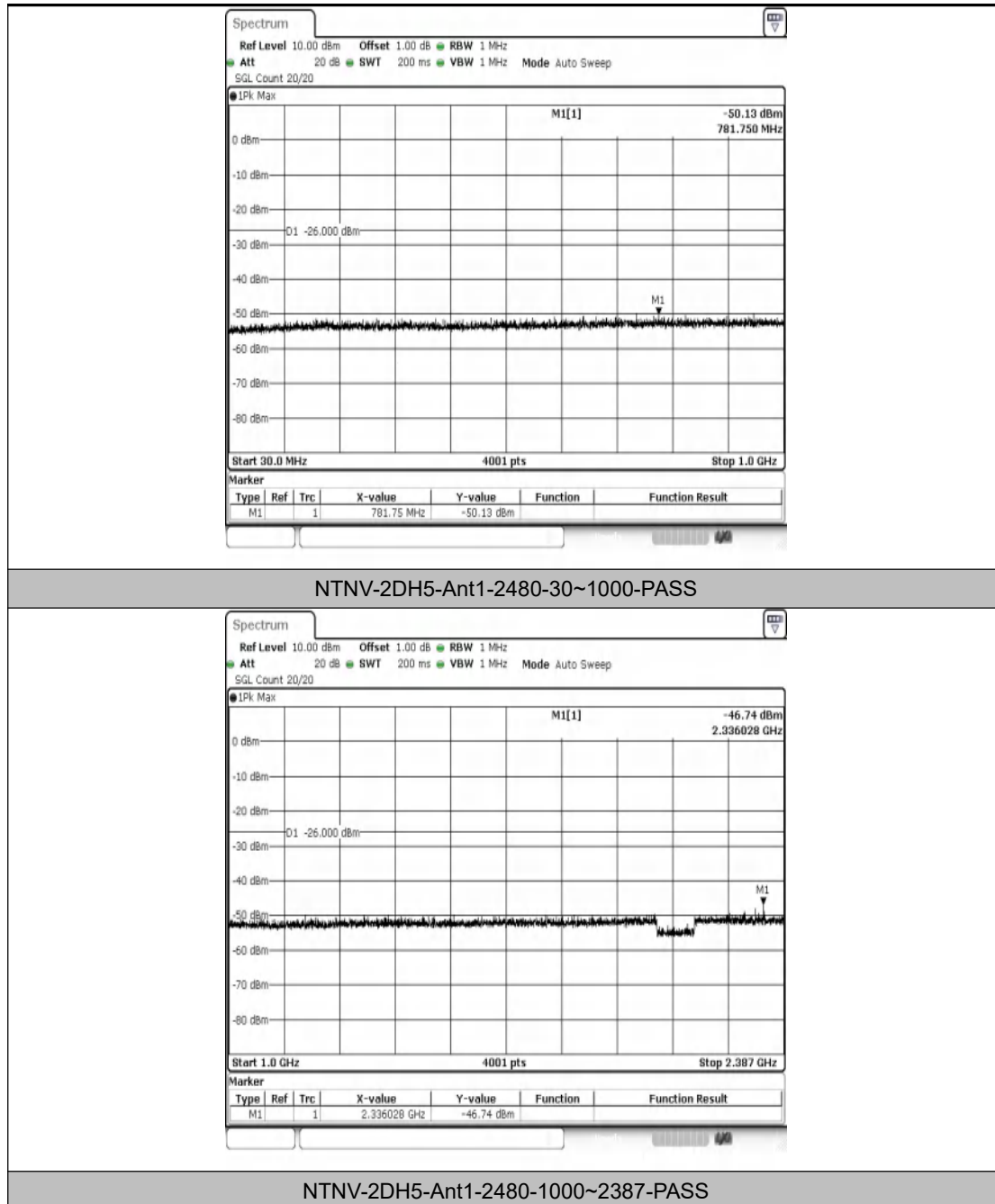


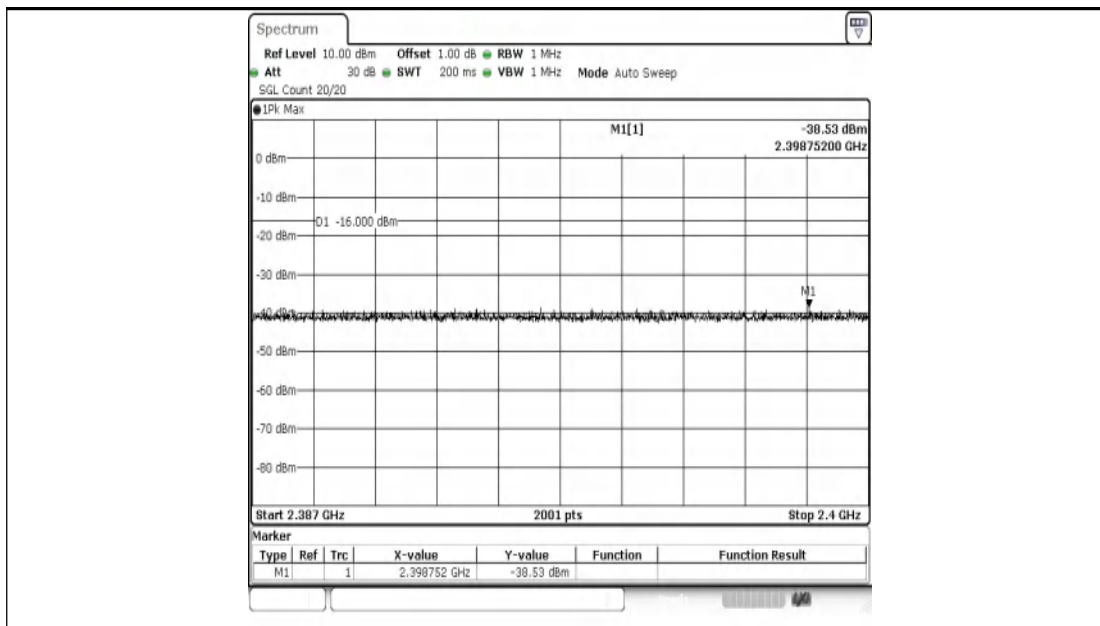




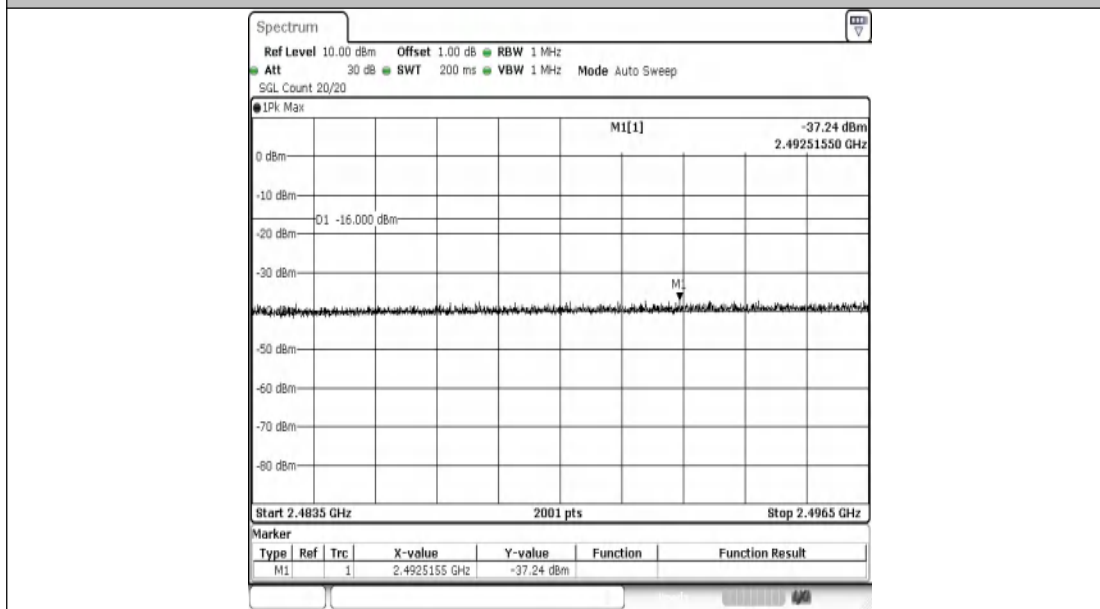






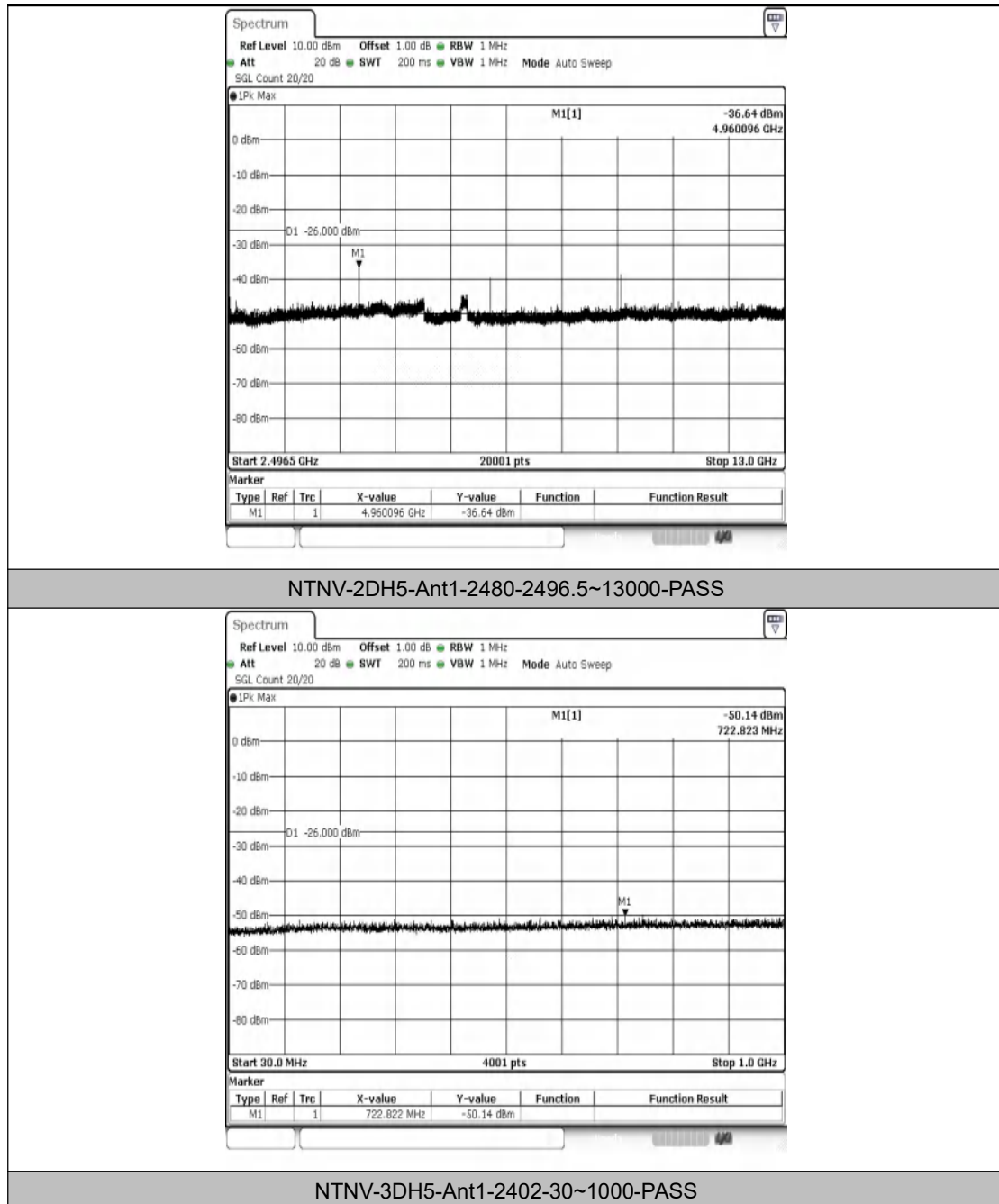


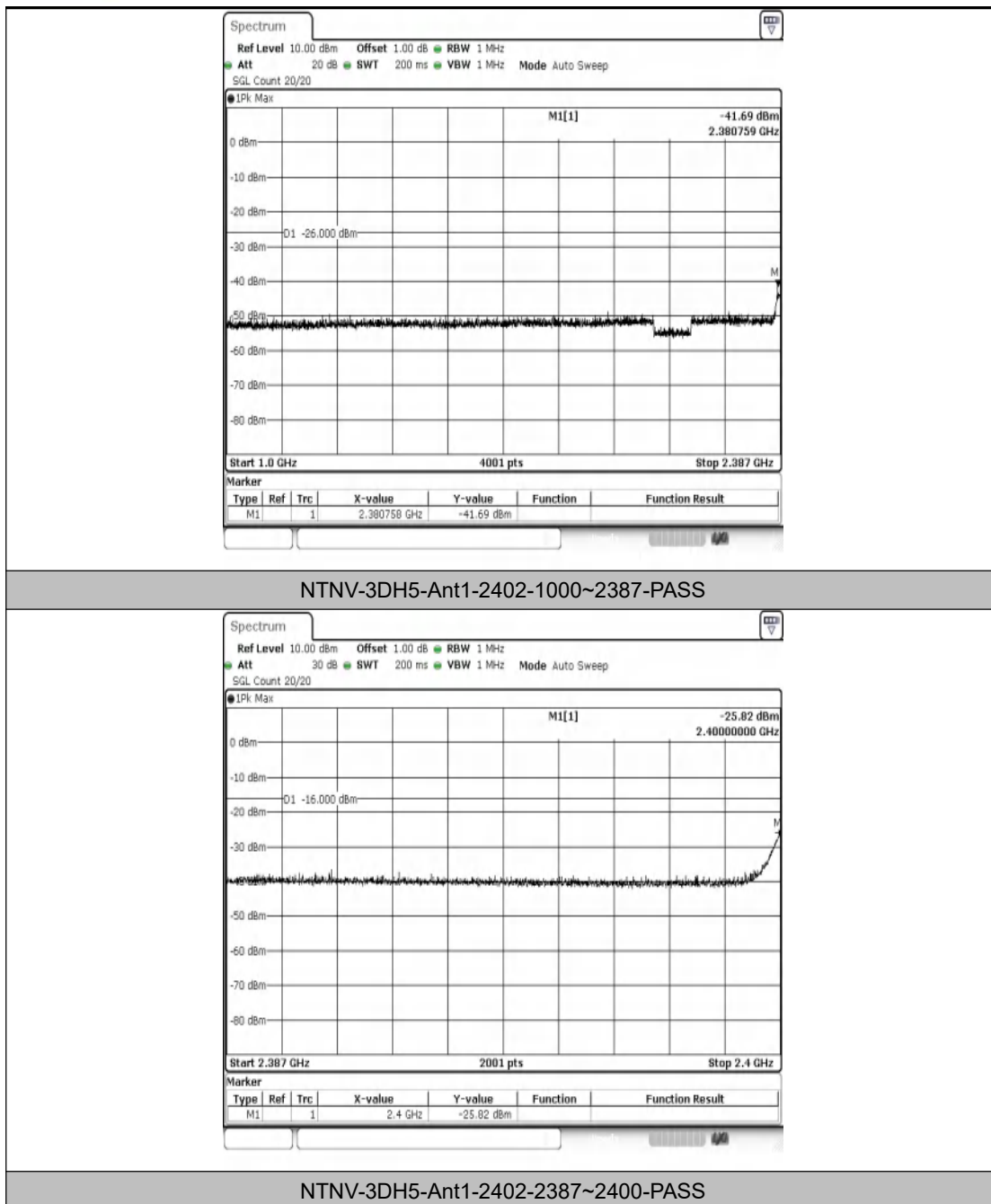
NTNV-2DH5-Ant1-2480-2387~2400-PASS

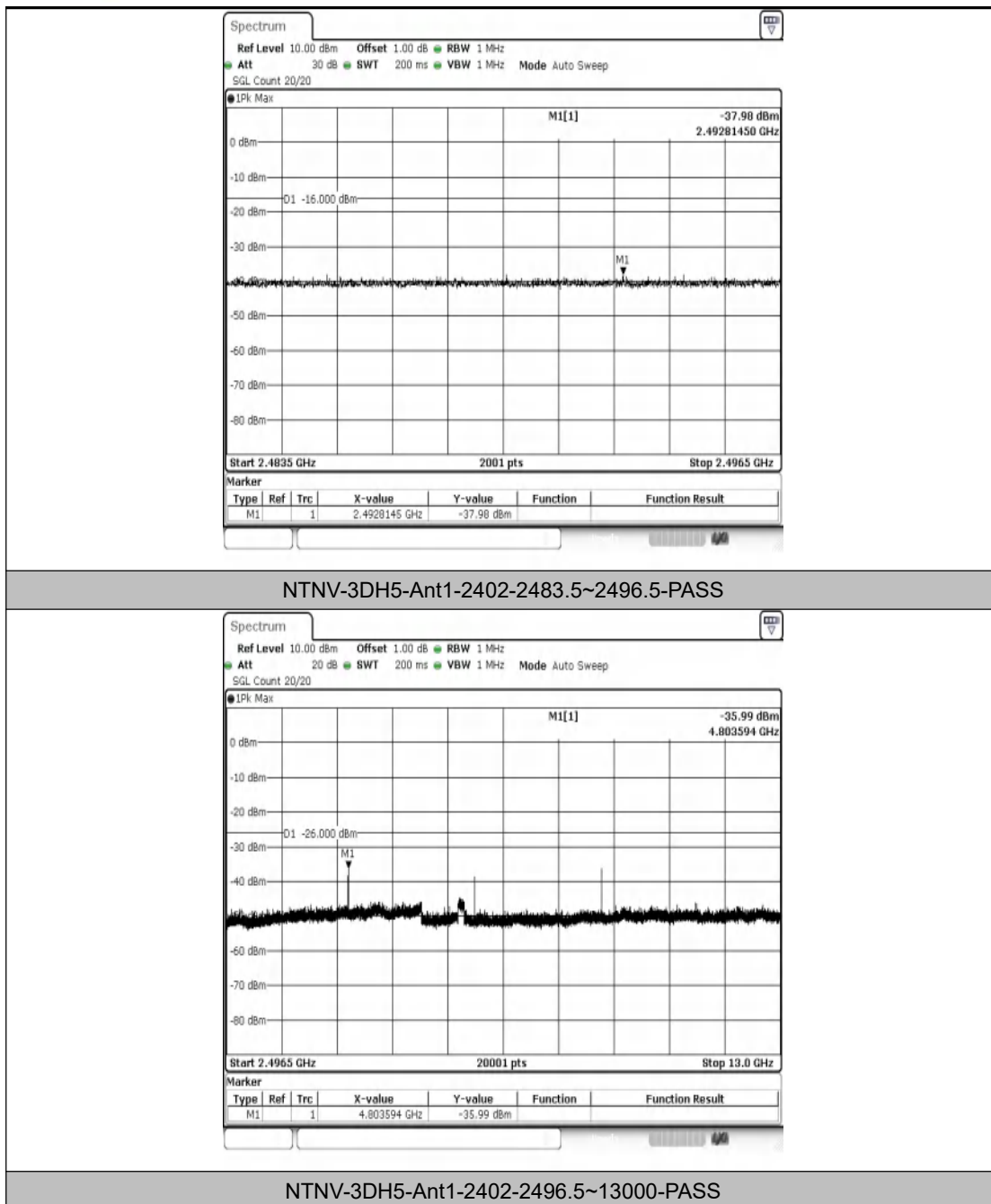


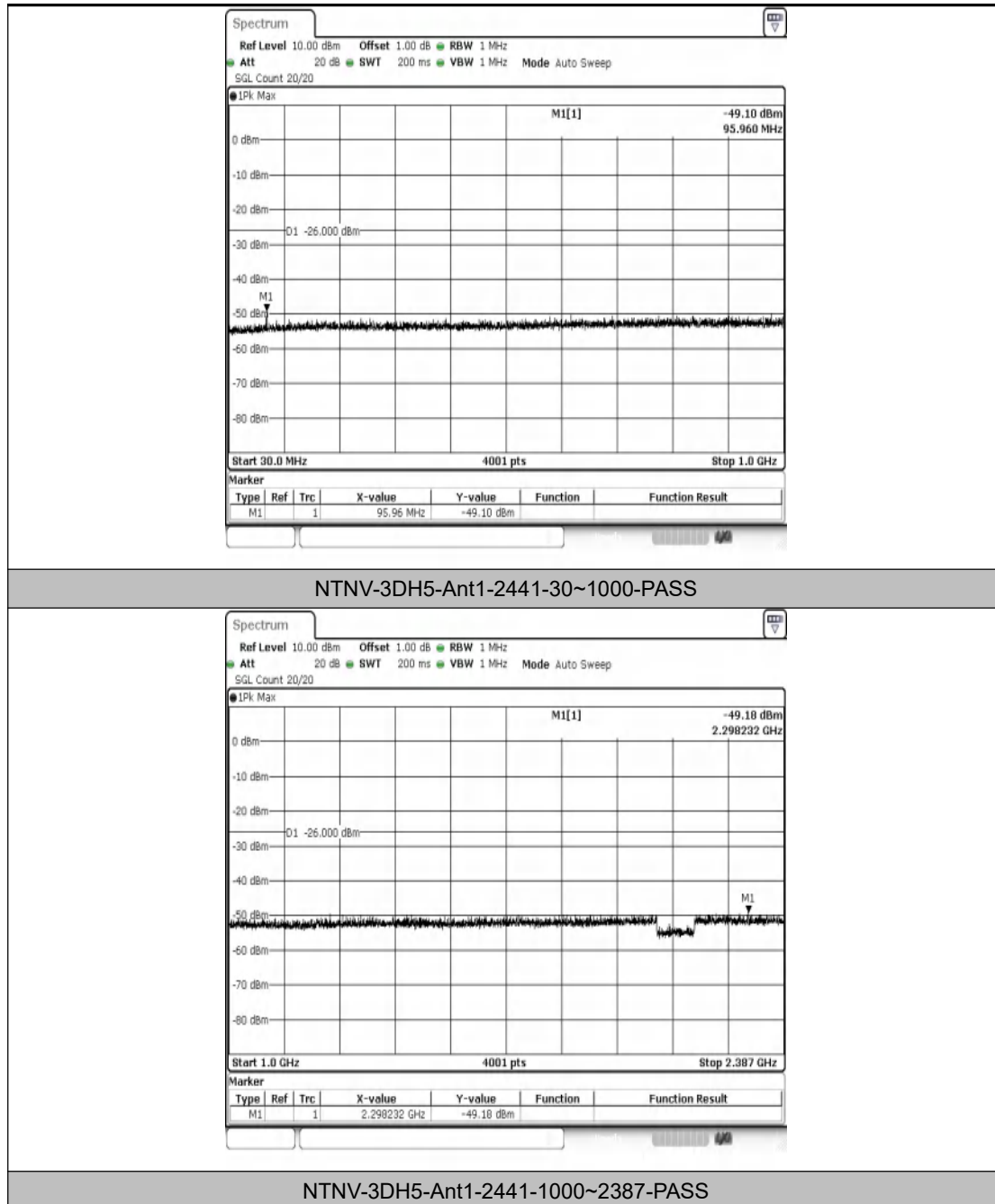
NTNV-2DH5-Ant1-2480-2483.5~2496.5-PASS

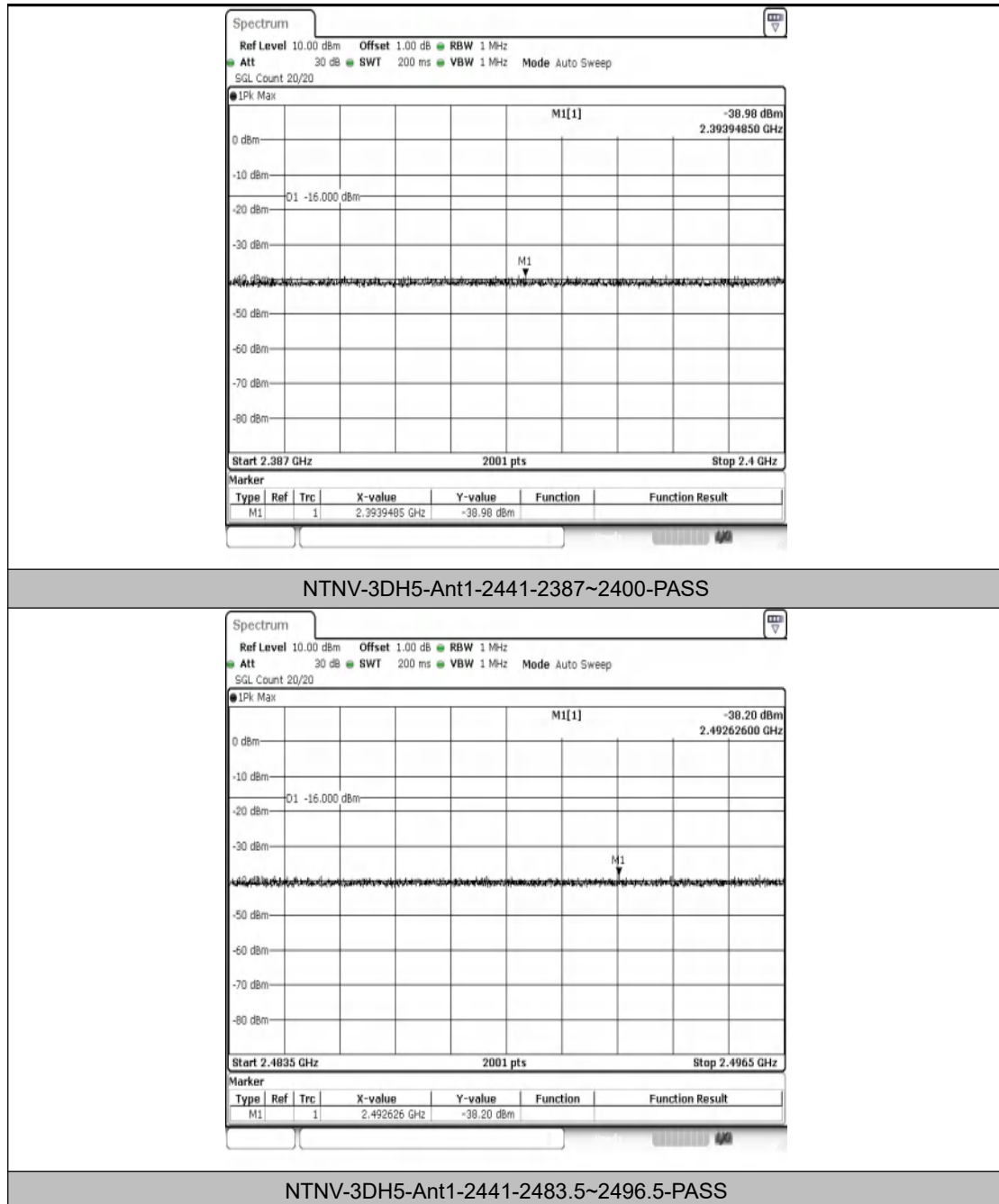


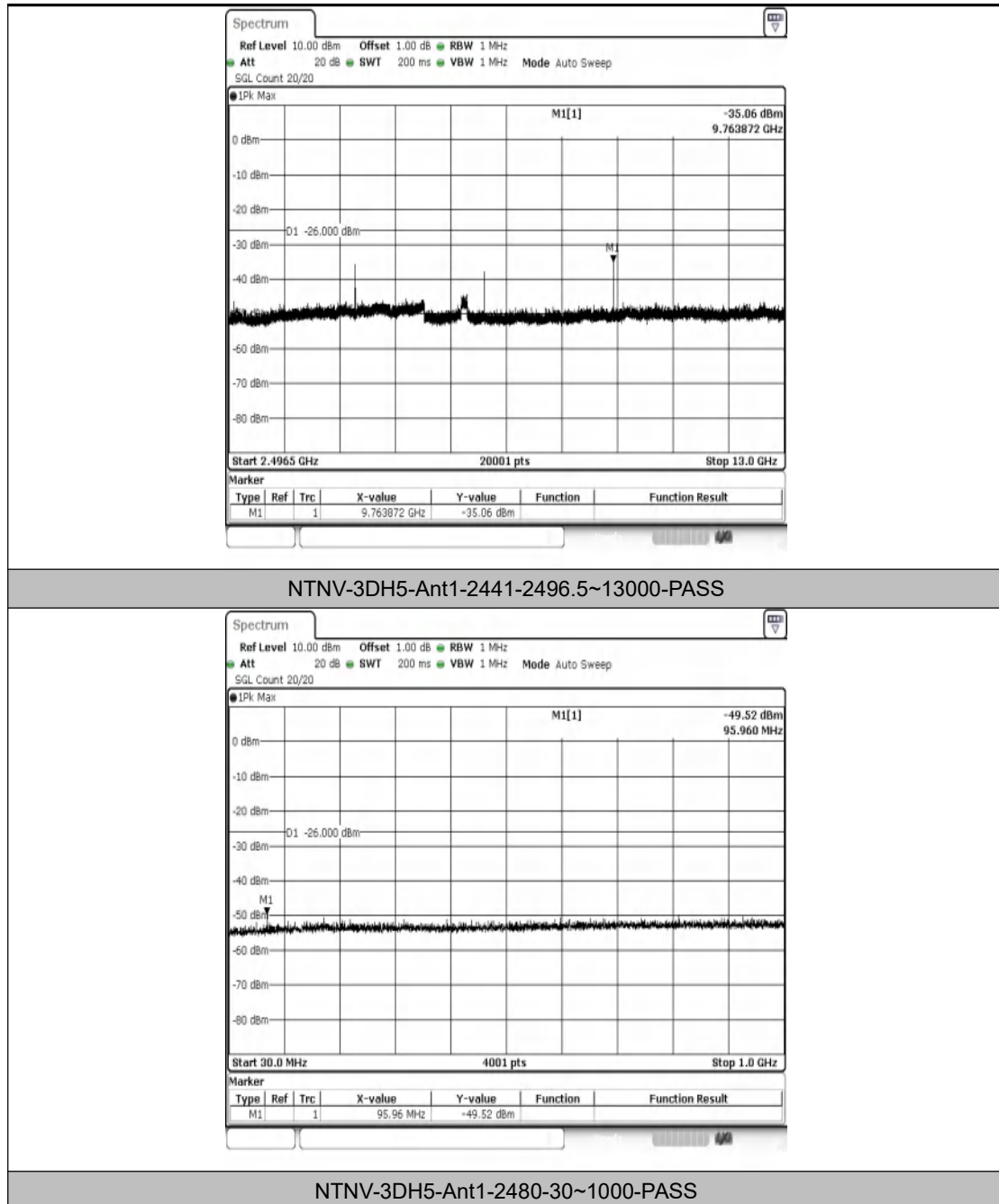


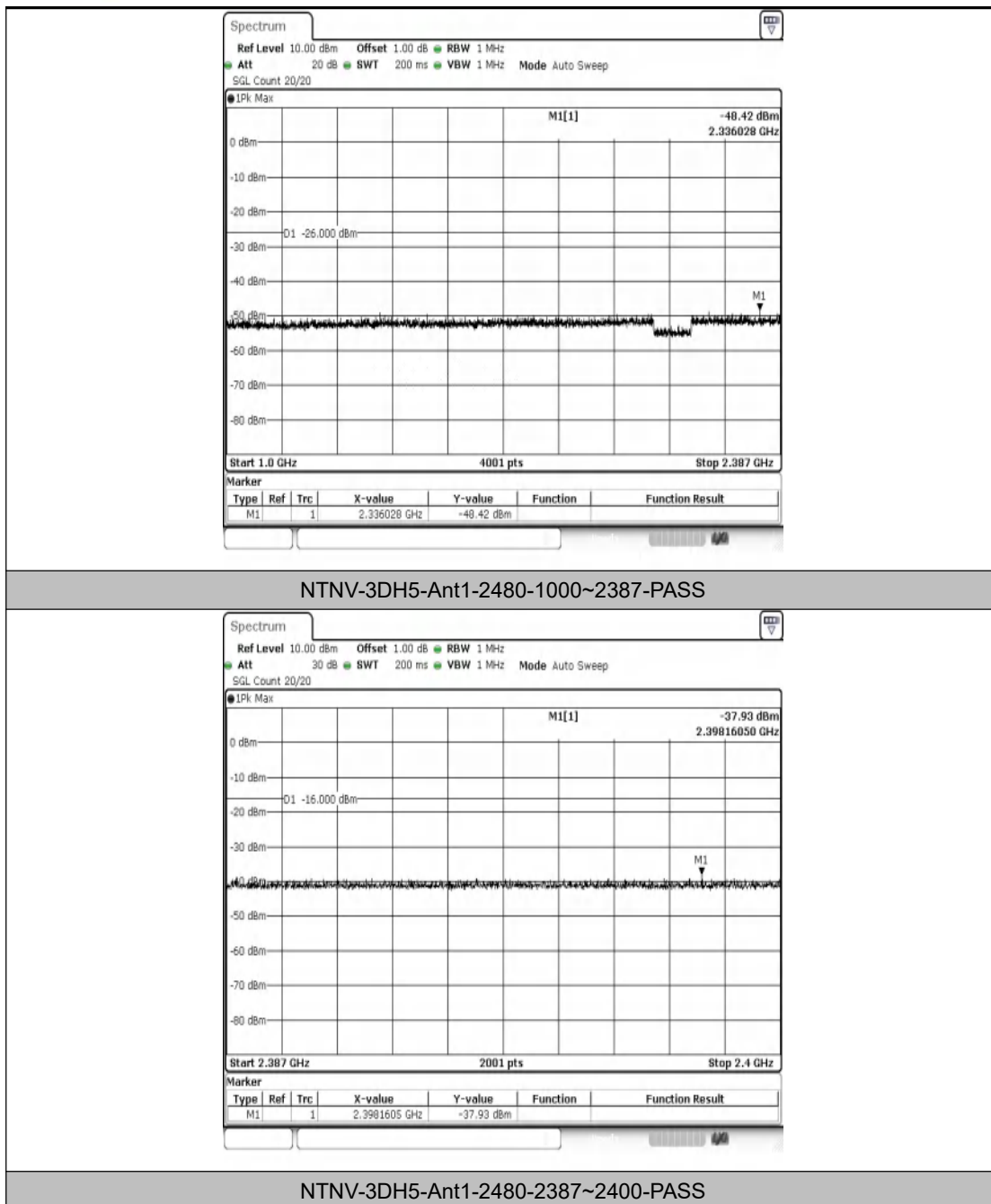


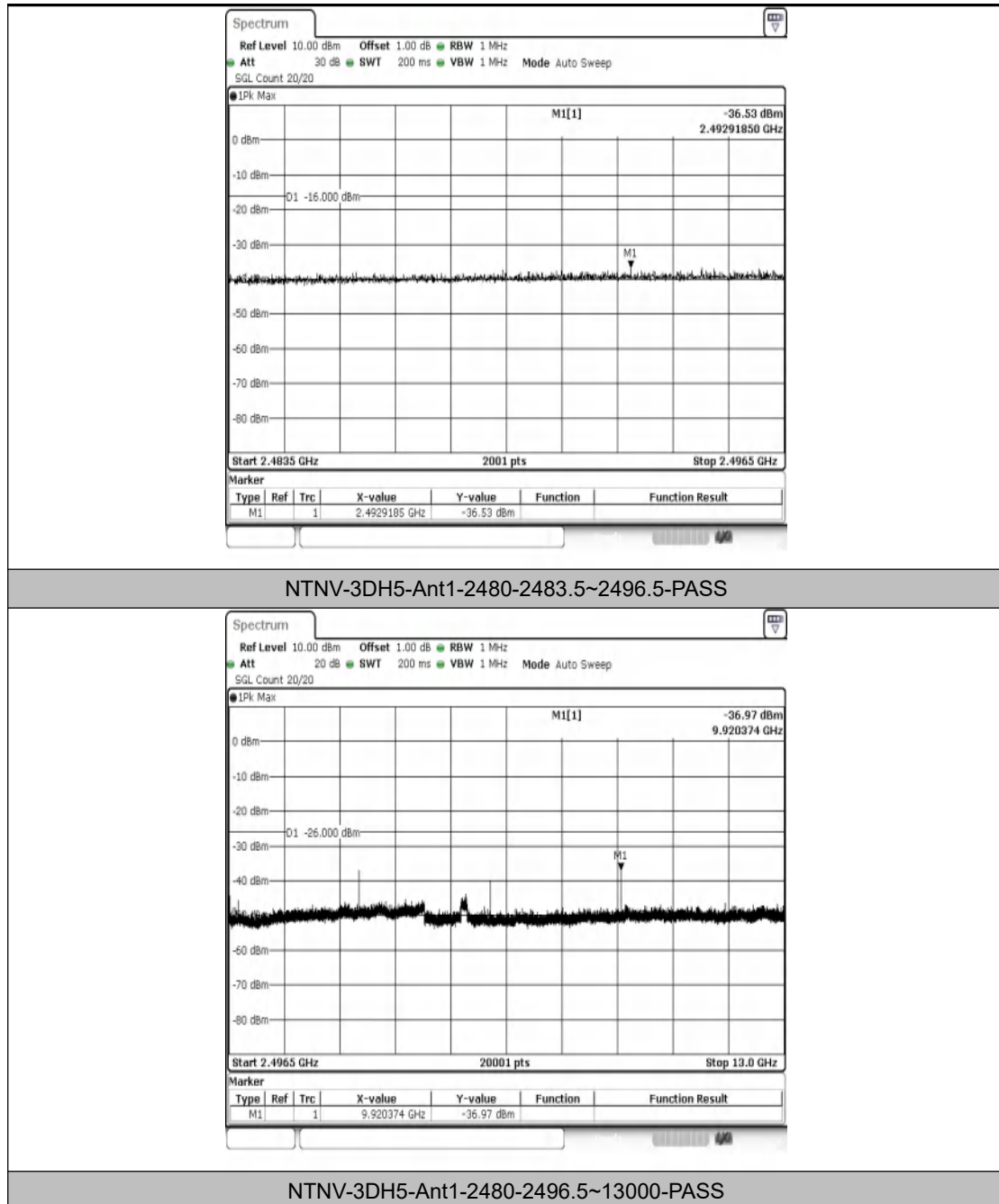












Appendix F: Spurious Emission of RX

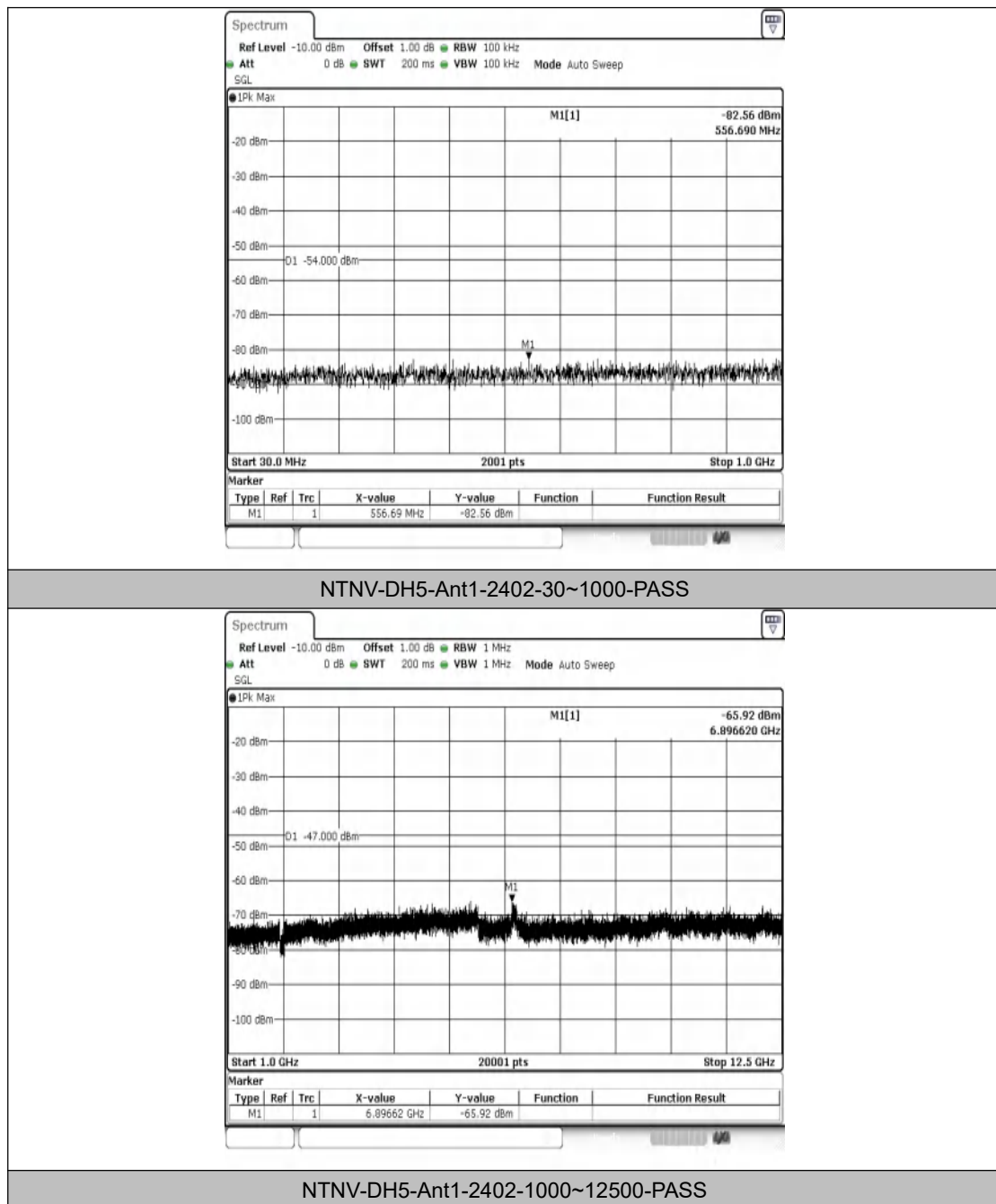
Test Result

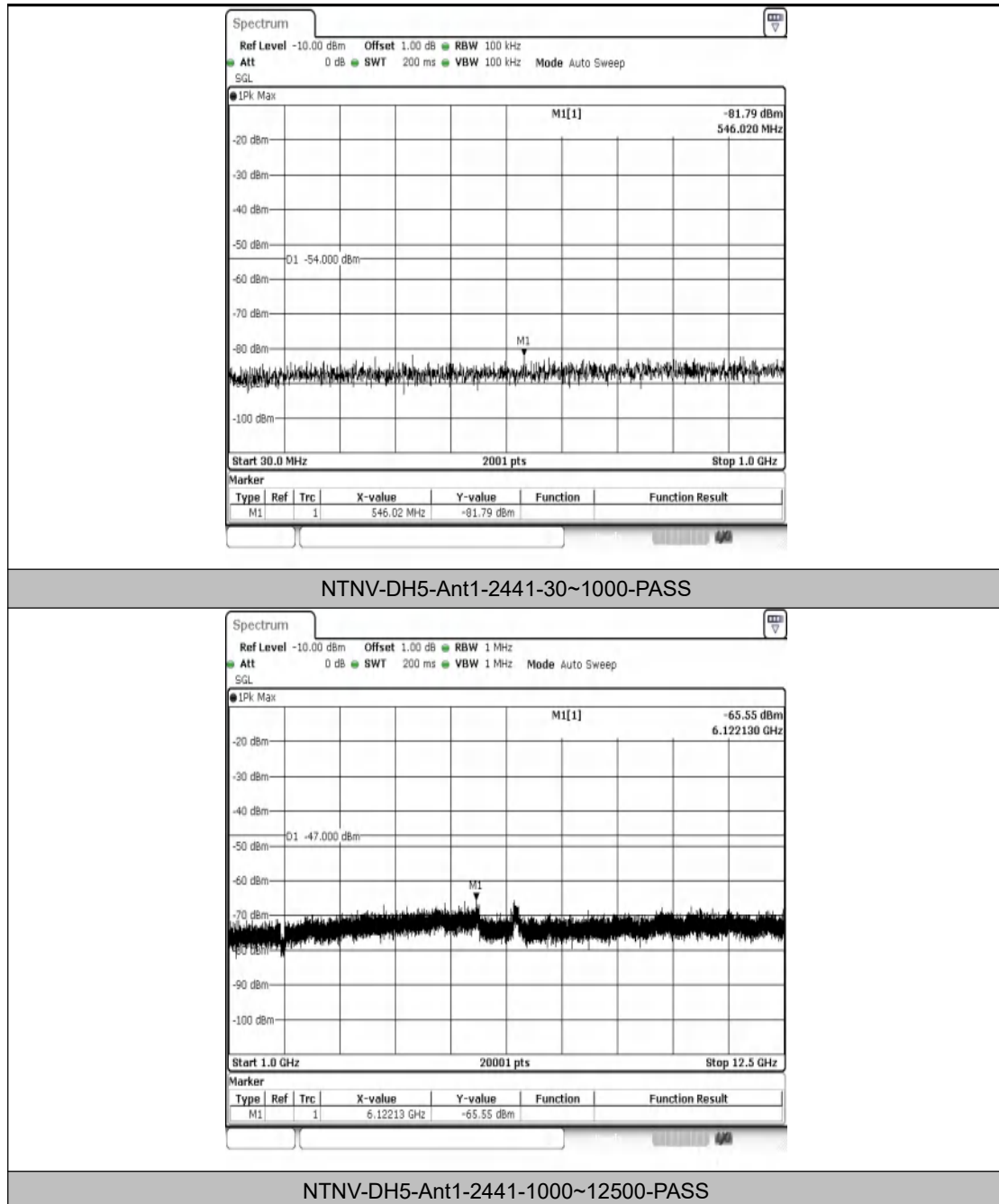
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	556.69	-82.56	≤-54	0.00555	≤4	PASS
NTNV	DH5	Ant1	2402	1000~12500	6896.62	-65.92	≤-47	0.25586	≤20	PASS
NTNV	DH5	Ant1	2441	30~1000	546.02	-81.79	≤-54	0.00662	≤4	PASS
NTNV	DH5	Ant1	2441	1000~12500	6122.13	-65.55	≤-47	0.27861	≤20	PASS
NTNV	DH5	Ant1	2480	30~1000	708.90	-81.52	≤-54	0.00705	≤4	PASS
NTNV	DH5	Ant1	2480	1000~12500	6115.81	-66.50	≤-47	0.22387	≤20	PASS
NTNV	2DH5	Ant1	2402	30~1000	931.41	-82.51	≤-54	0.00561	≤4	PASS
NTNV	2DH5	Ant1	2402	1000~12500	6979.99	-66.37	≤-47	0.23067	≤20	PASS
NTNV	2DH5	Ant1	2441	30~1000	680.79	-81.25	≤-54	0.00750	≤4	PASS
NTNV	2DH5	Ant1	2441	1000~12500	6985.74	-65.79	≤-47	0.26363	≤20	PASS
NTNV	2DH5	Ant1	2480	30~1000	971.16	-82.53	≤-54	0.00558	≤4	PASS
NTNV	2DH5	Ant1	2480	1000~12500	6141.11	-65.98	≤-47	0.25235	≤20	PASS
NTNV	3DH5	Ant1	2402	30~1000	867.42	-81.23	≤-54	0.00753	≤4	PASS
NTNV	3DH5	Ant1	2402	1000~12500	6992.06	-65.27	≤-47	0.29717	≤20	PASS
NTNV	3DH5	Ant1	2441	30~1000	757.86	-82.49	≤-54	0.00564	≤4	PASS
NTNV	3DH5	Ant1	2441	1000~12500	6180.78	-65.64	≤-47	0.27290	≤20	PASS
NTNV	3DH5	Ant1	2480	30~1000	813.61	-82.25	≤-54	0.00596	≤4	PASS
NTNV	3DH5	Ant1	2480	1000~12500	6928	-65.98	≤-47	0.252	≤20	PASS

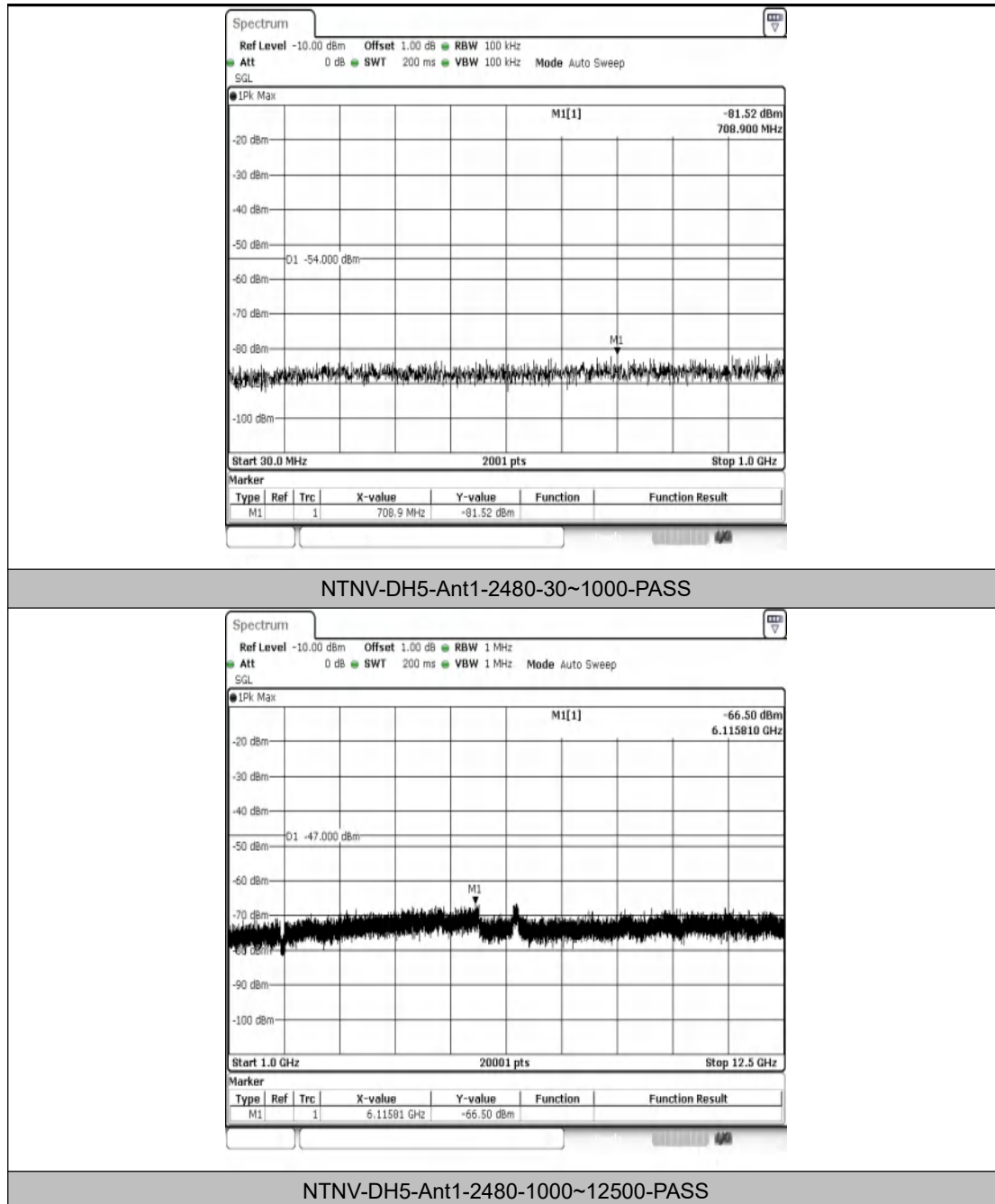


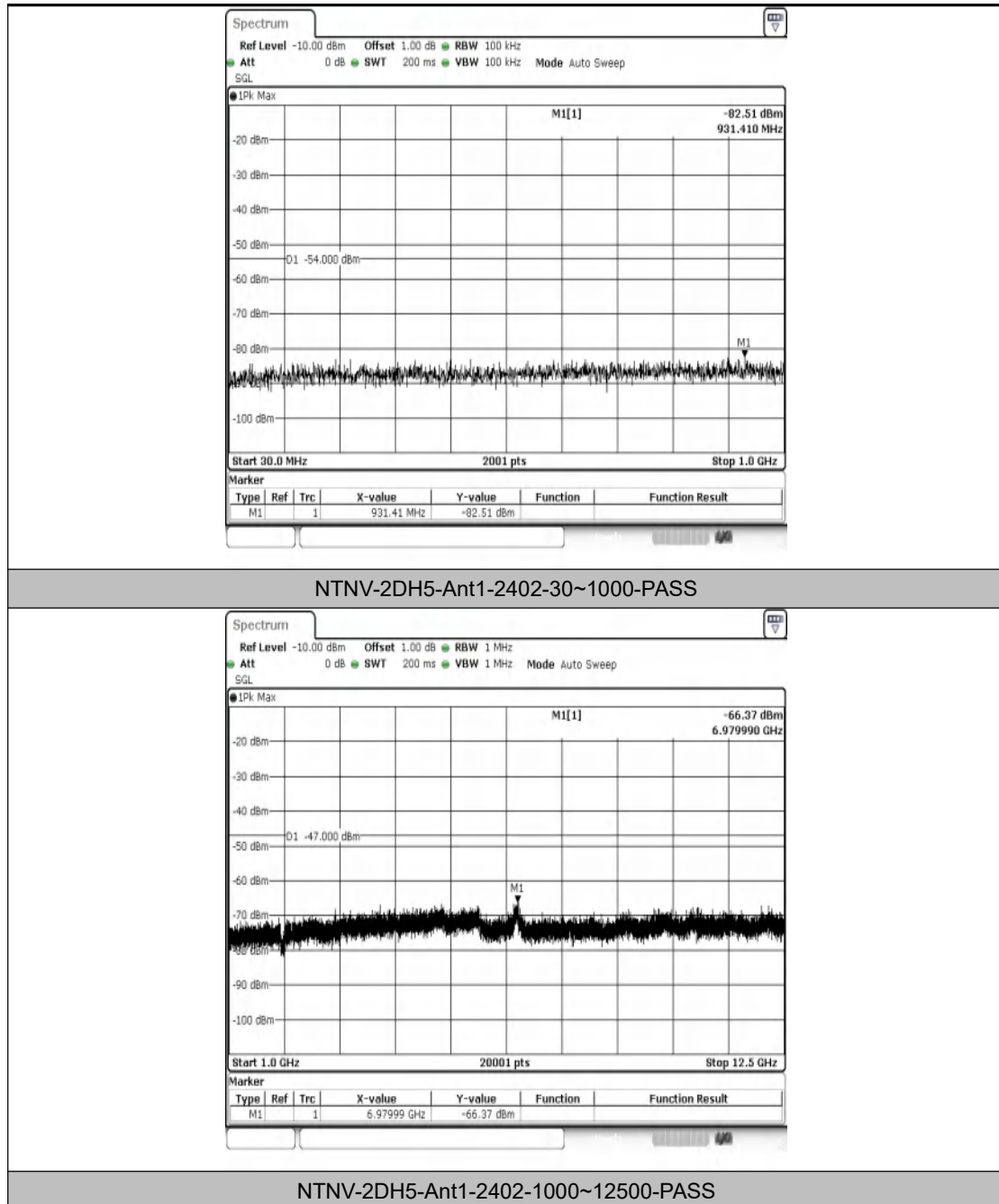
				500	.82		7	35		S
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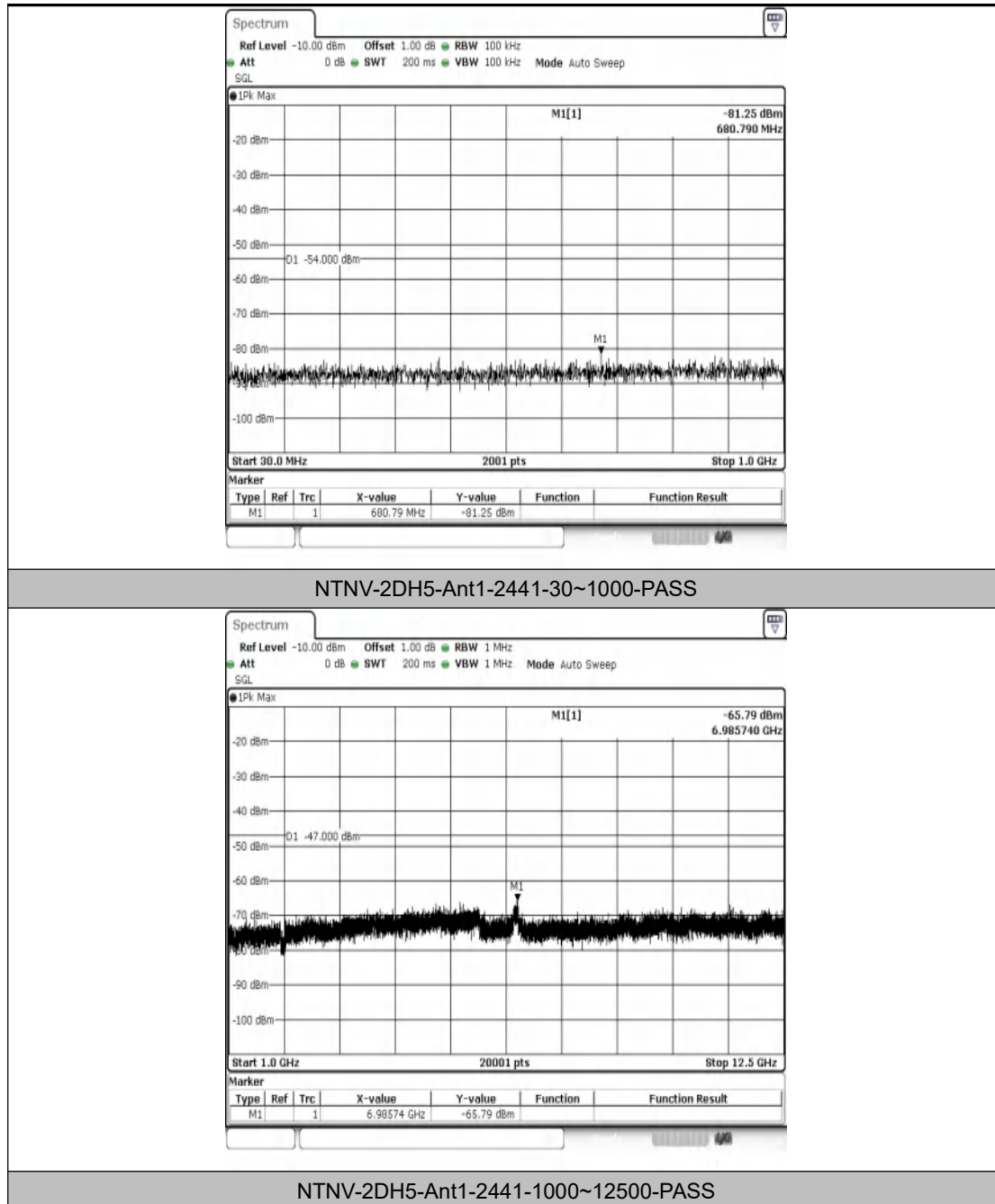
Test Graphs

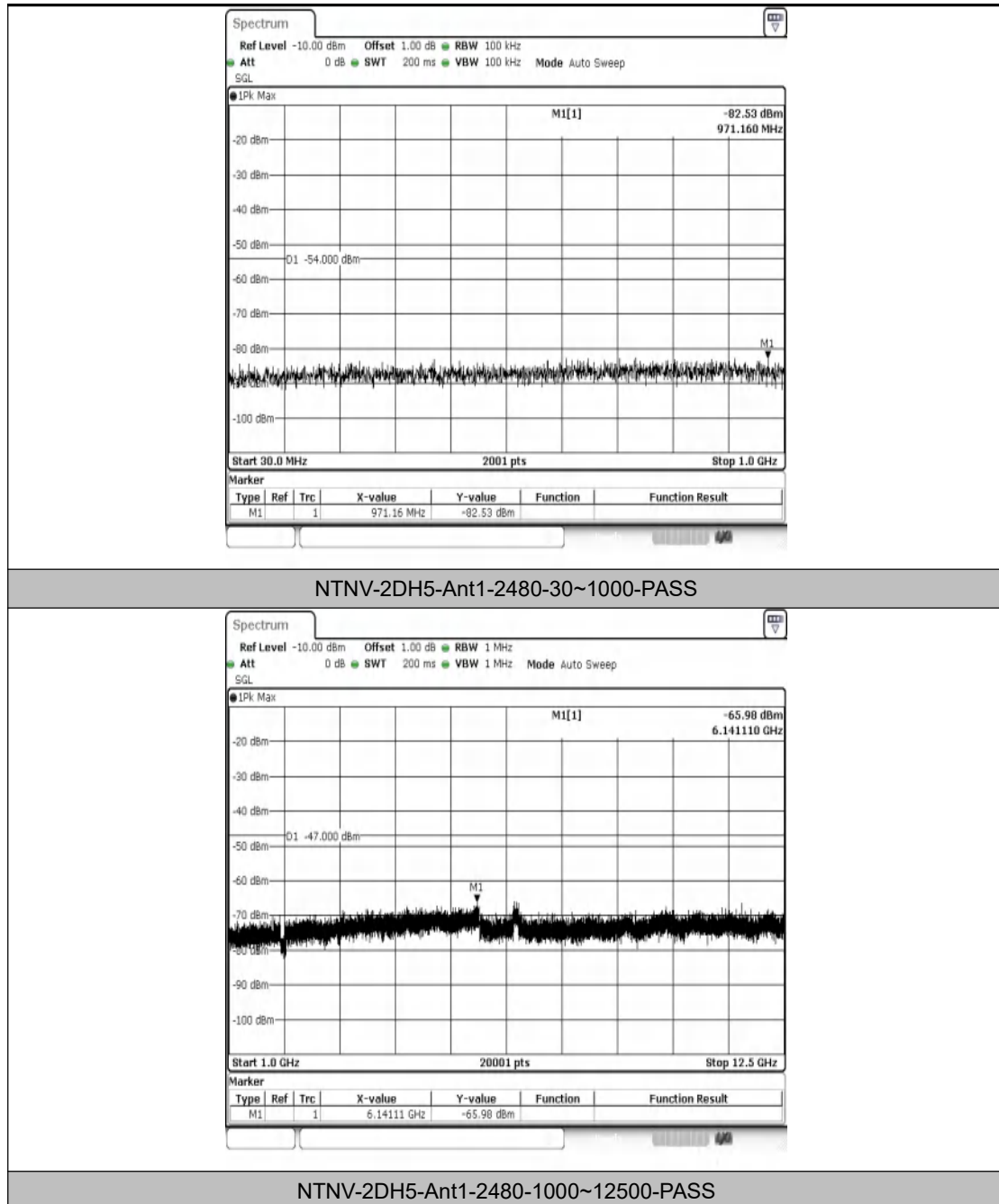


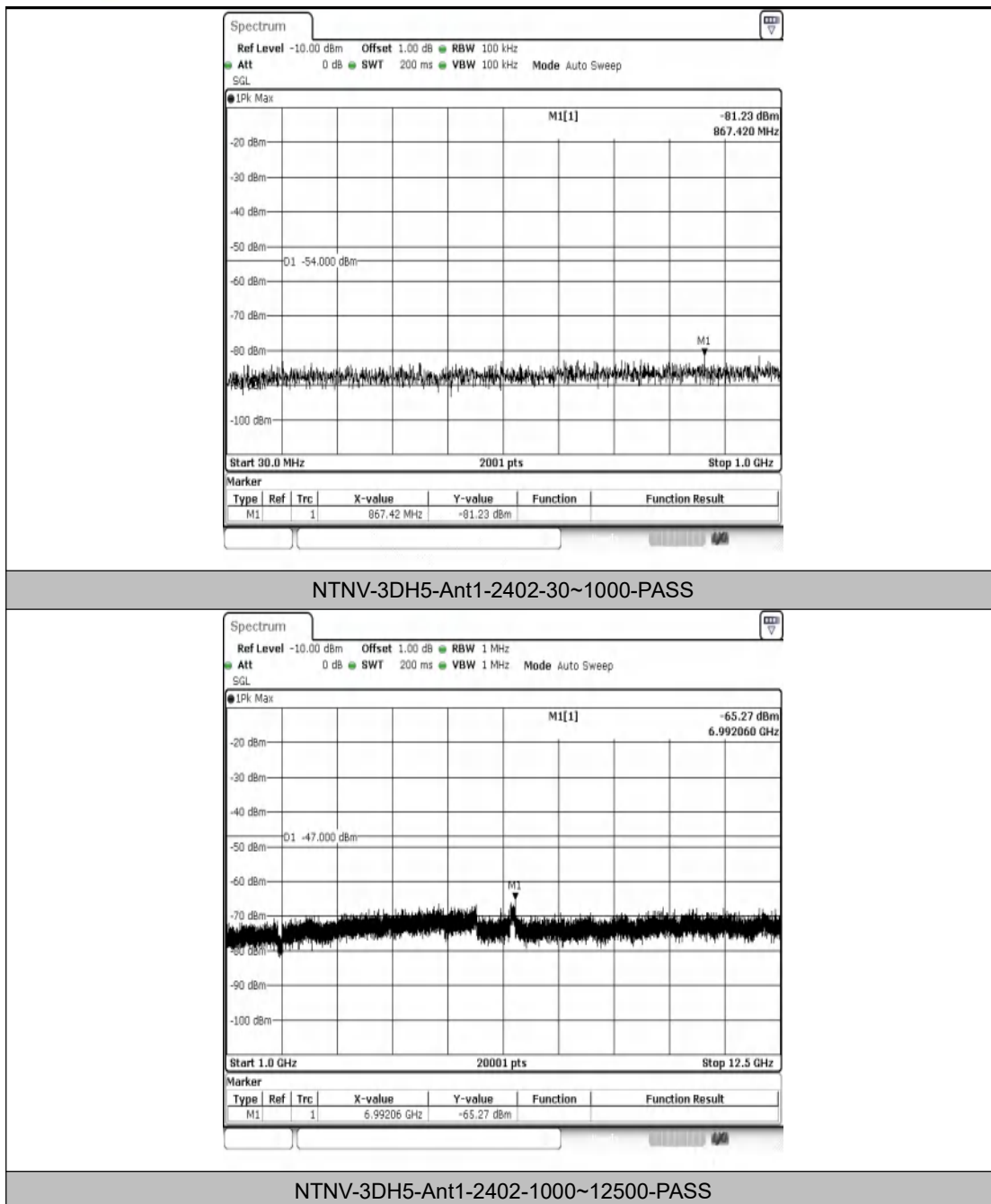


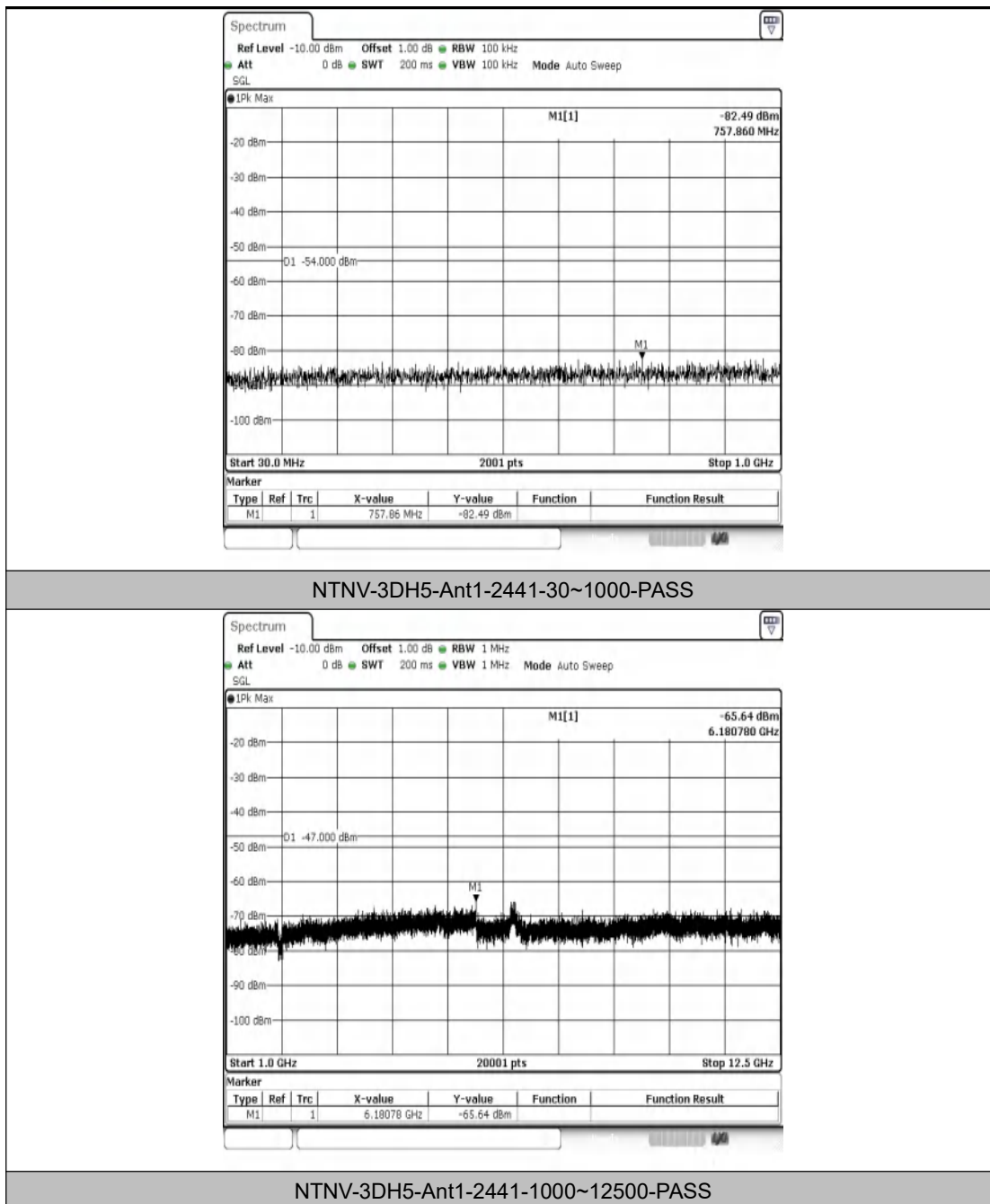


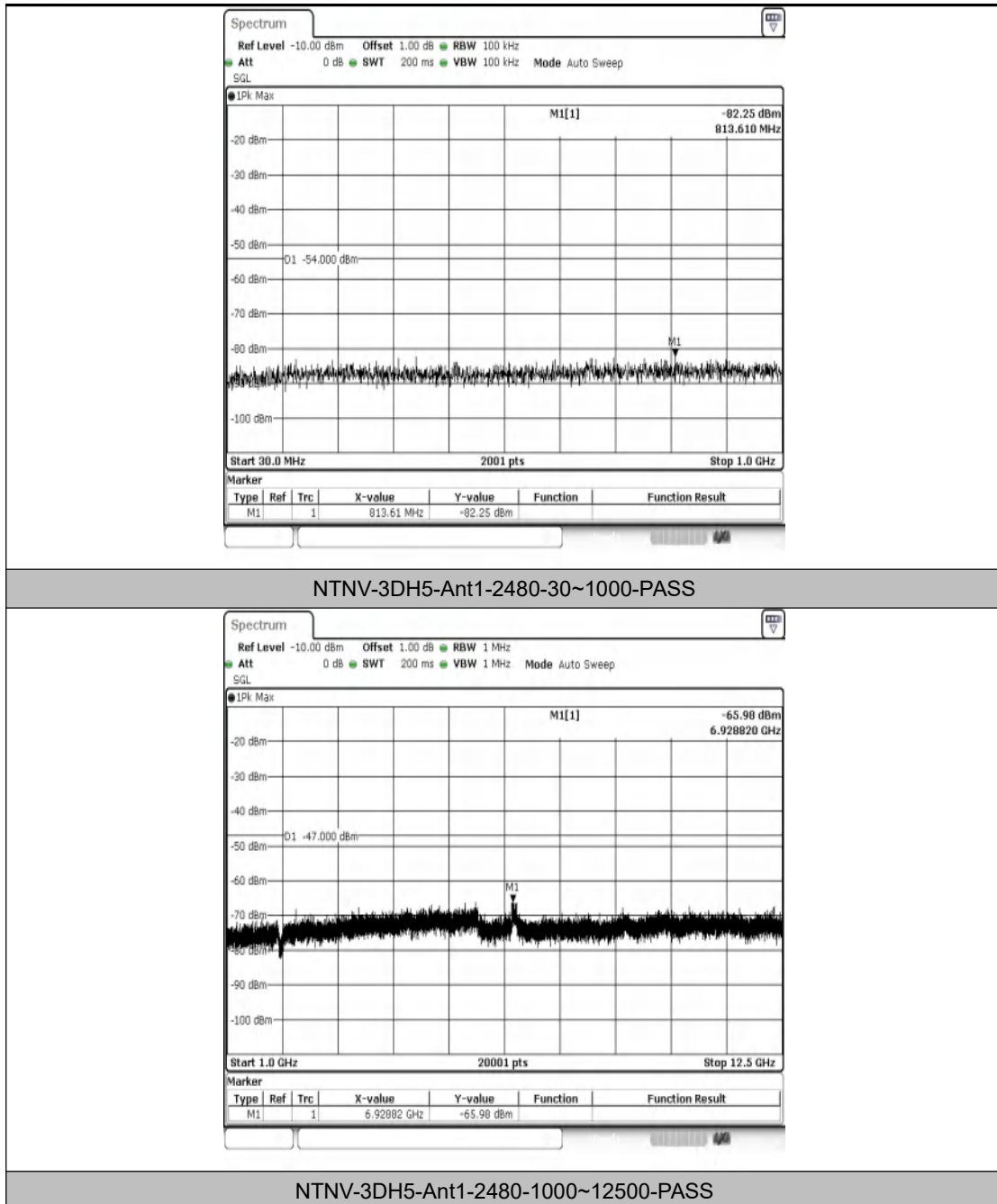












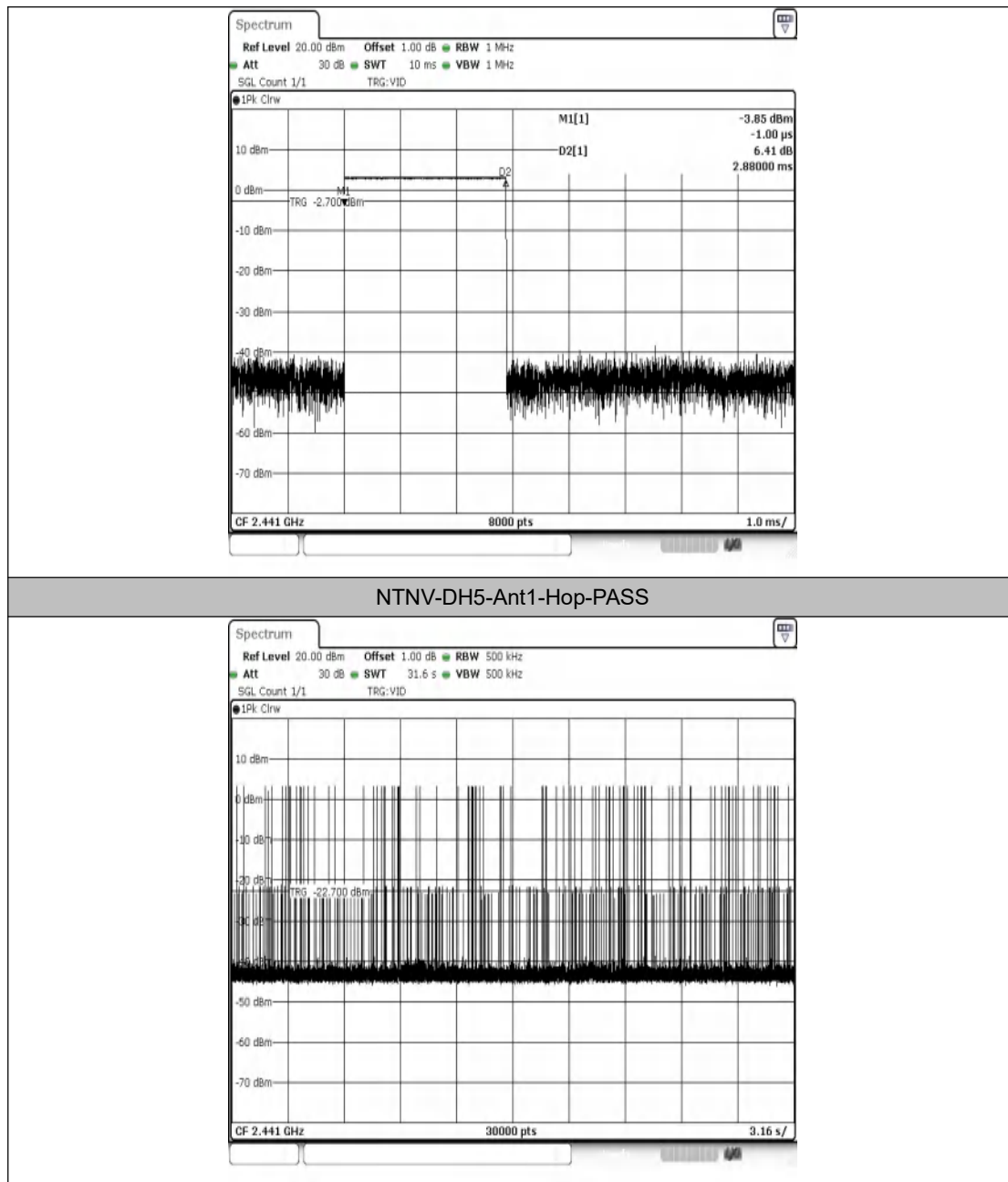
Appendix G: Dwell Time

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH5	Ant1	Hop	2.88	91	0.262	≤0.4	PASS
NTNV	2DH5	Ant1	Hop	2.88	97	0.279	≤0.4	PASS
NTNV	3DH5	Ant1	Hop	2.89	103	0.298	≤0.4	PASS



Test Graphs

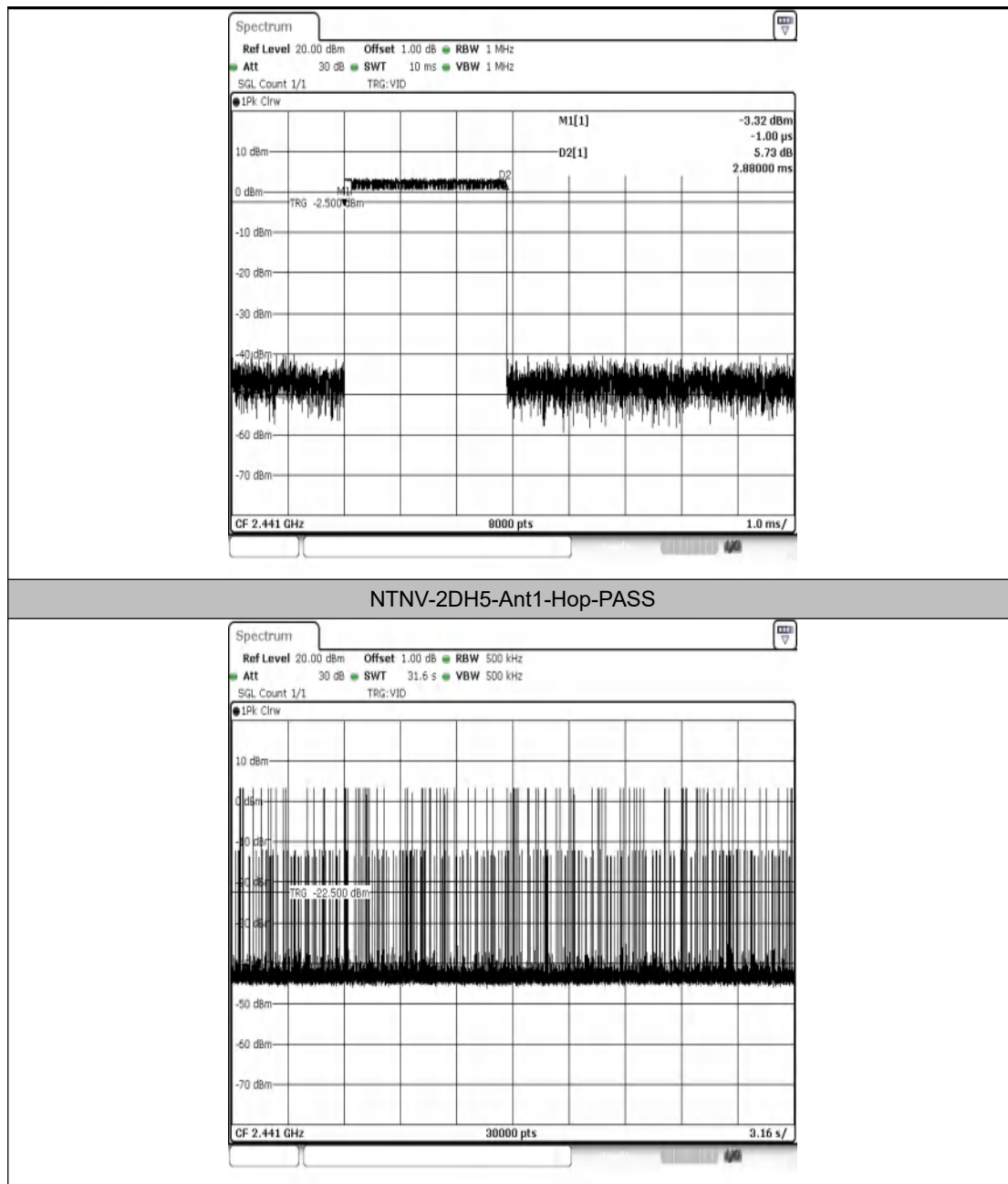


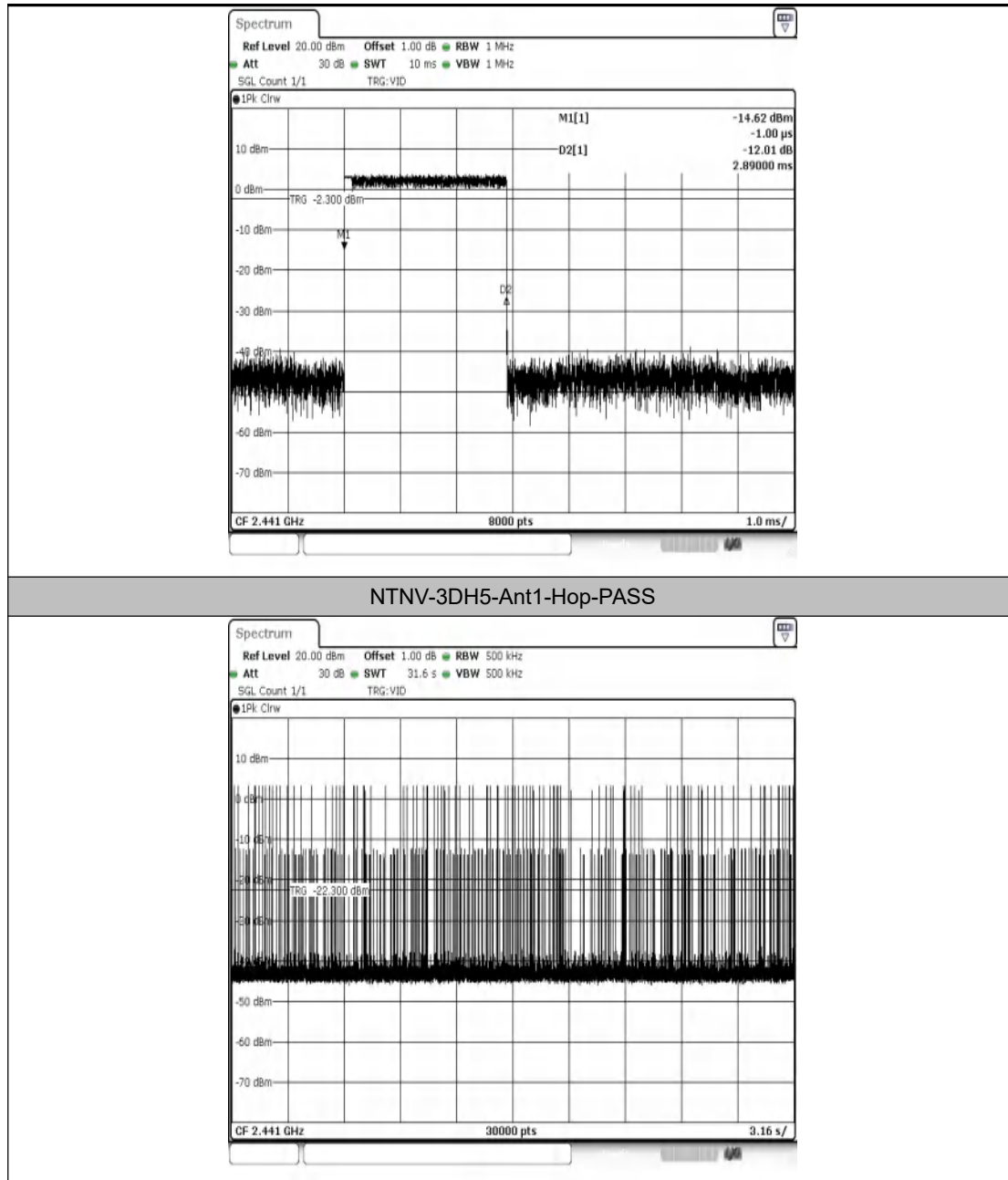
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