

Appendix: Bluetooth Classic

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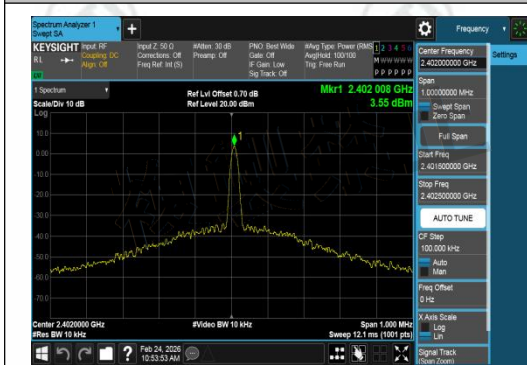
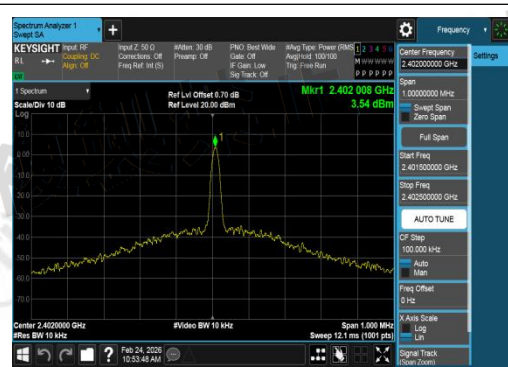
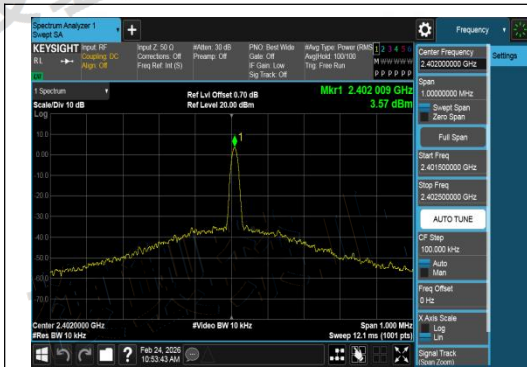
Appendix A: Frequency_Error

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTLV	CW	Ant1	2402	2402.009	3.74688	±50	PASS
NTNV	CW	Ant1	2402	2402.008	3.33056	±50	PASS
NTHV	CW	Ant1	2402	2402.008	3.33056	±50	PASS
NTLV	CW	Ant1	2441	2441.007	2.86768	±50	PASS
NTNV	CW	Ant1	2441	2441.007	2.86768	±50	PASS
NTHV	CW	Ant1	2441	2441.007	2.86768	±50	PASS
NTLV	CW	Ant1	2480	2480.007	2.82258	±50	PASS
NTNV	CW	Ant1	2480	2480.007	2.82258	±50	PASS
NTHV	CW	Ant1	2480	2480.006	2.41936	±50	PASS

Note: Result[ppm]= (CenterFreq - Channel)/Channel*1000000

Test Graphs





Appendix B: Antenna Power

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Conducted Sensor power[dBm]	SpreadBW [MHz]	Result [mW/MHz]	Limit [mW/MHz]	Verdict
NTLV	DH5	Ant1	Hop	15.23	70.414	0.612	≤3	PASS
NTNV	DH5	Ant1	Hop	15.23	70.470	0.612	≤3	PASS
NTHV	DH5	Ant1	Hop	15.23	70.421	0.612	≤3	PASS
NTLV	2DH5	Ant1	Hop	15.25	70.752	0.610	≤3	PASS
NTNV	2DH5	Ant1	Hop	15.24	70.551	0.613	≤3	PASS
NTHV	2DH5	Ant1	Hop	15.24	70.743	0.611	≤3	PASS
NTLV	3DH5	Ant1	Hop	15.24	70.636	0.610	≤3	PASS
NTNV	3DH5	Ant1	Hop	15.24	70.66	0.609	≤3	PASS
NTHV	2DH5	Ant1	Hop	15.23	70.428	0.610	≤3	PASS

Note: Antenna Power(mW/MHz)=Power(mW)/Spread Bandwidth(MHz)/Duty Cycle(%)*100;

Test Condition	Test Mode	Antenna	Freq(MHz)	Power (mW/MHz)	Rated Power (mW/MHz)	Result (%)	Limit (%)	Verdict
NTLV	DH5	Ant1	Hop	0.612	0.7	-12.57	+20	PASS
NTNV	DH5	Ant1	Hop	0.612	0.7	-12.57	+20	PASS
NTHV	DH5	Ant1	Hop	0.612	0.7	-12.57	+20	PASS
NTLV	2DH5	Ant1	Hop	0.610	0.7	-12.86	+20	PASS
NTNV	2DH5	Ant1	Hop	0.613	0.7	-12.43	+20	PASS
NTHV	2DH5	Ant1	Hop	0.611	0.7	-12.71	+20	PASS
NTLV	3DH5	Ant1	Hop	0.610	0.7	-12.86	+20	PASS
NTNV	3DH5	Ant1	Hop	0.609	0.7	-13.00	+20	PASS
NTHV	3DH5	Ant1	Hop	0.610	0.7	-12.57	+20	PASS

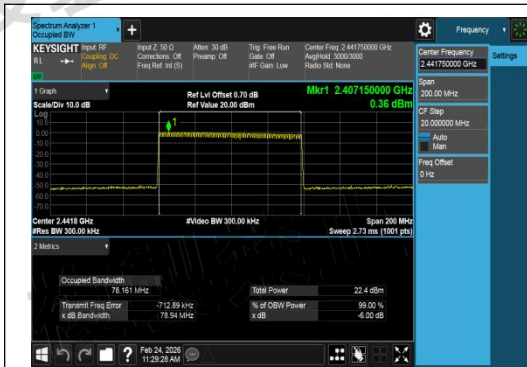
TestCondition	TestMode	Antenna	Freq(MHz)	Result(dBm/MHz)	EIRP(dBm/MHz)	Limit(dBm/MHz)	Verdict
NTLV	DH5	Ant1	Hop	-2.130	0.870	≤6.91	PASS
NTNV	DH5	Ant1	Hop	-2.134	0.866	≤6.91	PASS
NTHV	DH5	Ant1	Hop	-2.131	0.869	≤6.91	PASS
NTLV	2DH5	Ant1	Hop	-2.146	0.854	≤6.91	PASS
NTNV	2DH5	Ant1	Hop	-2.129	0.871	≤6.91	PASS
NTHV	2DH5	Ant1	Hop	-2.140	0.860	≤6.91	PASS
NTLV	3DH5	Ant1	Hop	-2.149	0.851	≤6.91	PASS
NTNV	3DH5	Ant1	Hop	-2.150	0.850	≤6.91	PASS
NTHV	3DH5	Ant1	Hop	-2.146	0.854	≤6.91	PASS

Appendix C: Occupied Bandwidth

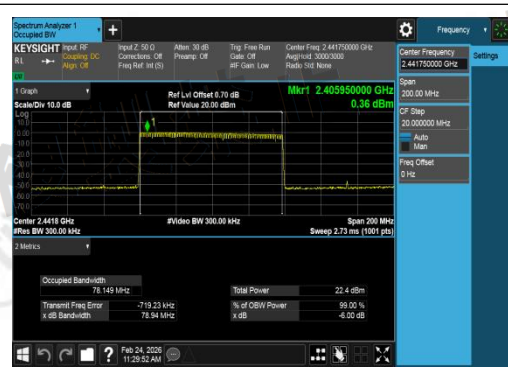
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTLV	DH5	Ant1	Hop	78.161	≤83.5	PASS
NTNV	DH5	Ant1	Hop	78.149	≤83.5	PASS
NTHV	DH5	Ant1	Hop	78.154	≤83.5	PASS
NTLV	2DH5	Ant1	Hop	78.405	≤83.5	PASS
NTNV	2DH5	Ant1	Hop	78.324	≤83.5	PASS
NTHV	2DH5	Ant1	Hop	78.388	≤83.5	PASS
NTLV	3DH5	Ant1	Hop	78.464	≤83.5	PASS
NTNV	3DH5	Ant1	Hop	78.379	≤83.5	PASS
NTHV	3DH5	Ant1	Hop	78.385	≤83.5	PASS

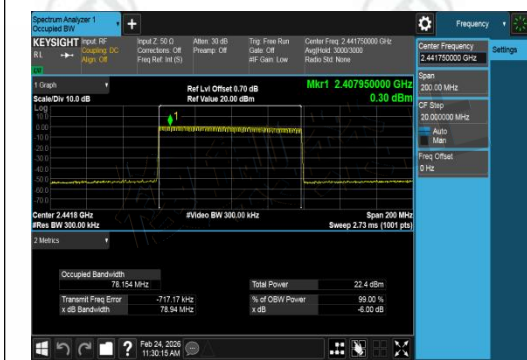
Test Graphs



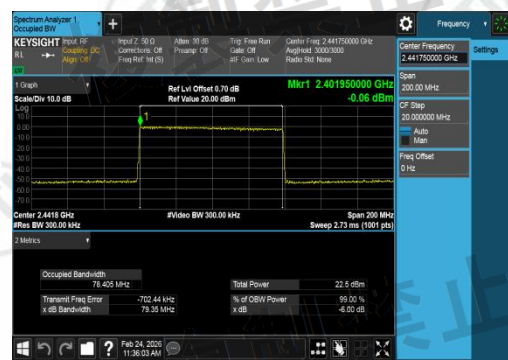
NTLV-DH5-Ant1-Hop-PASS



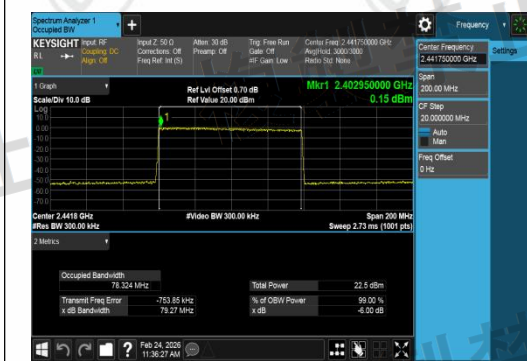
NTN5-DH5-Ant1-Hop-PASS



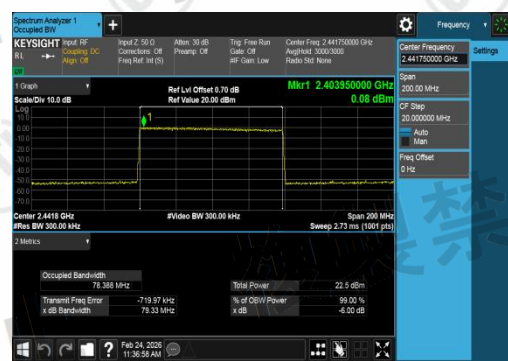
NTHV-DH5-Ant1-Hop-PASS



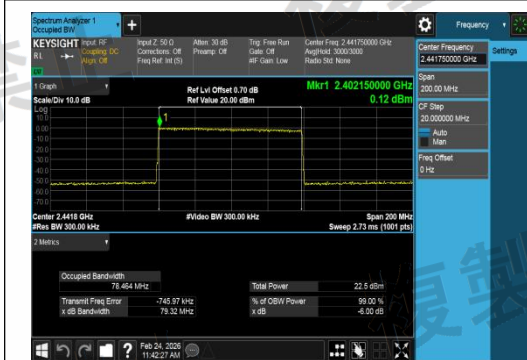
NTLV-2DH5-Ant1-Hop-PASS



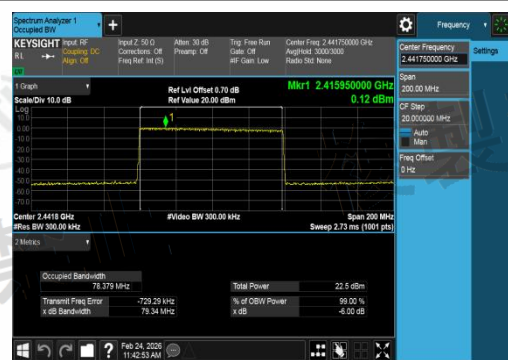
NTN5-2DH5-Ant1-Hop-PASS



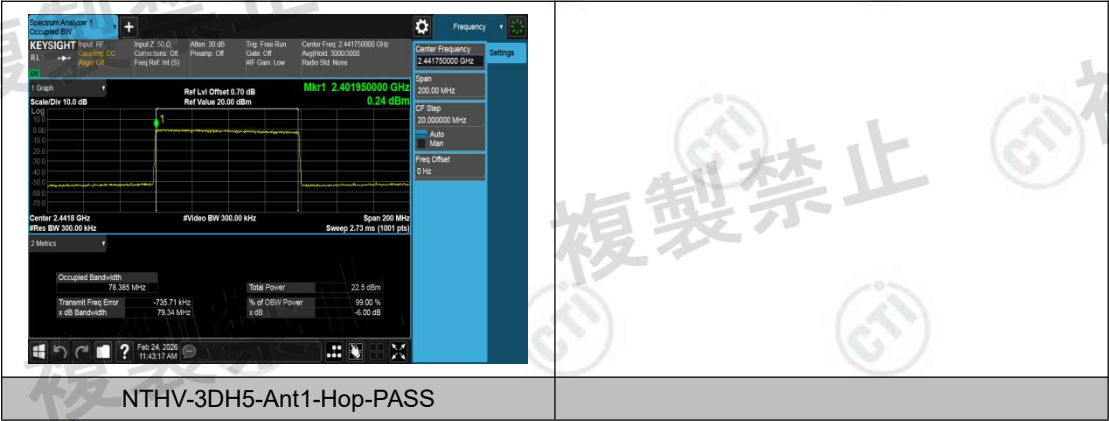
NTHV-2DH5-Ant1-Hop-PASS



NTLV-3DH5-Ant1-Hop-PASS



NTN5-3DH5-Ant1-Hop-PASS

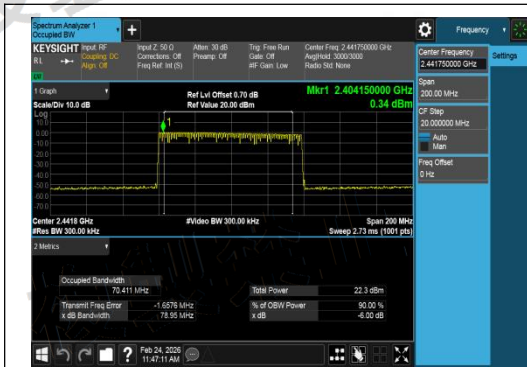


Appendix D: Spread Bandwidth

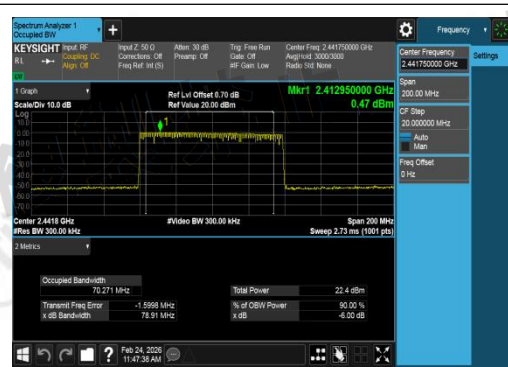
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]
NTLV	DH1	Ant1	Hop	70.411
NTNV	DH1	Ant1	Hop	70.271
NTHV	DH1	Ant1	Hop	70.374
NTLV	DH3	Ant1	Hop	70.394
NTNV	DH3	Ant1	Hop	70.391
NTHV	DH3	Ant1	Hop	70.439
NTLV	DH5	Ant1	Hop	70.414
NTNV	DH5	Ant1	Hop	70.470
NTHV	DH5	Ant1	Hop	70.421
NTLV	2DH1	Ant1	Hop	70.366
NTNV	2DH1	Ant1	Hop	70.831
NTHV	2DH1	Ant1	Hop	70.354
NTLV	2DH3	Ant1	Hop	70.411
NTNV	2DH3	Ant1	Hop	70.670
NTHV	2DH3	Ant1	Hop	70.661
NTLV	2DH5	Ant1	Hop	70.752
NTNV	2DH5	Ant1	Hop	70.551
NTHV	2DH5	Ant1	Hop	70.743
NTLV	3DH1	Ant1	Hop	70.696
NTNV	3DH1	Ant1	Hop	70.667
NTHV	3DH1	Ant1	Hop	70.844
NTLV	3DH3	Ant1	Hop	70.507
NTNV	3DH3	Ant1	Hop	70.751
NTHV	3DH3	Ant1	Hop	70.498
NTLV	3DH5	Ant1	Hop	70.636
NTNV	3DH5	Ant1	Hop	70.660
NTHV	3DH5	Ant1	Hop	70.428

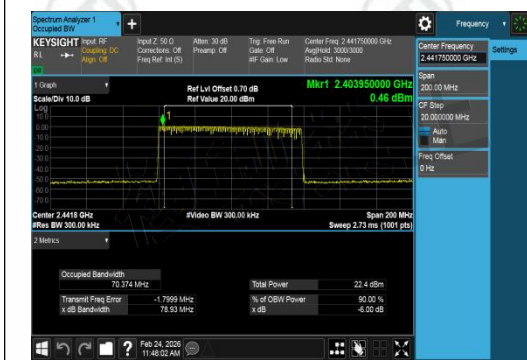
Test Graphs



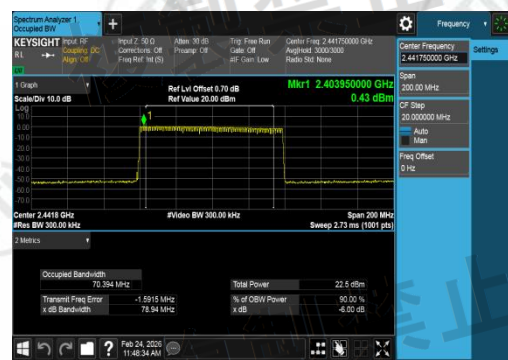
NTLV-DH1-Ant1-Hop-PASS



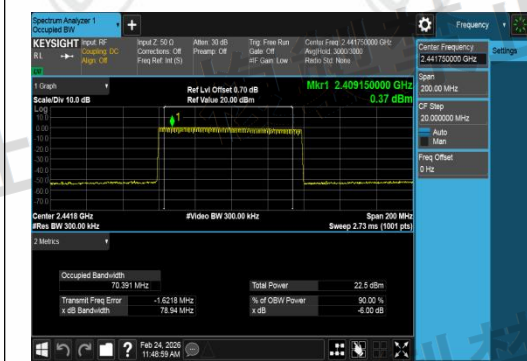
NTLV-DH1-Ant1-Hop-PASS



NTLV-DH1-Ant1-Hop-PASS



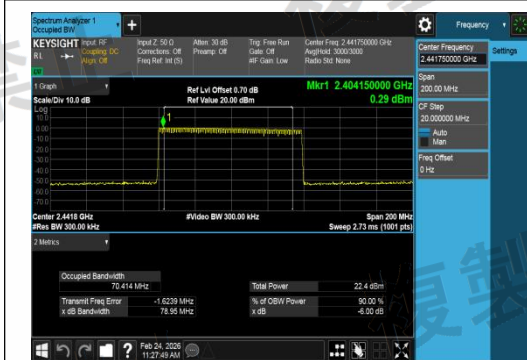
NTLV-DH1-Ant1-Hop-PASS



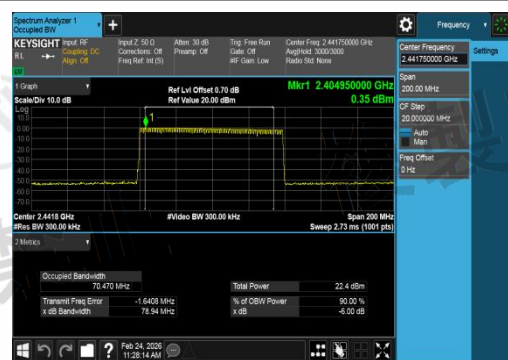
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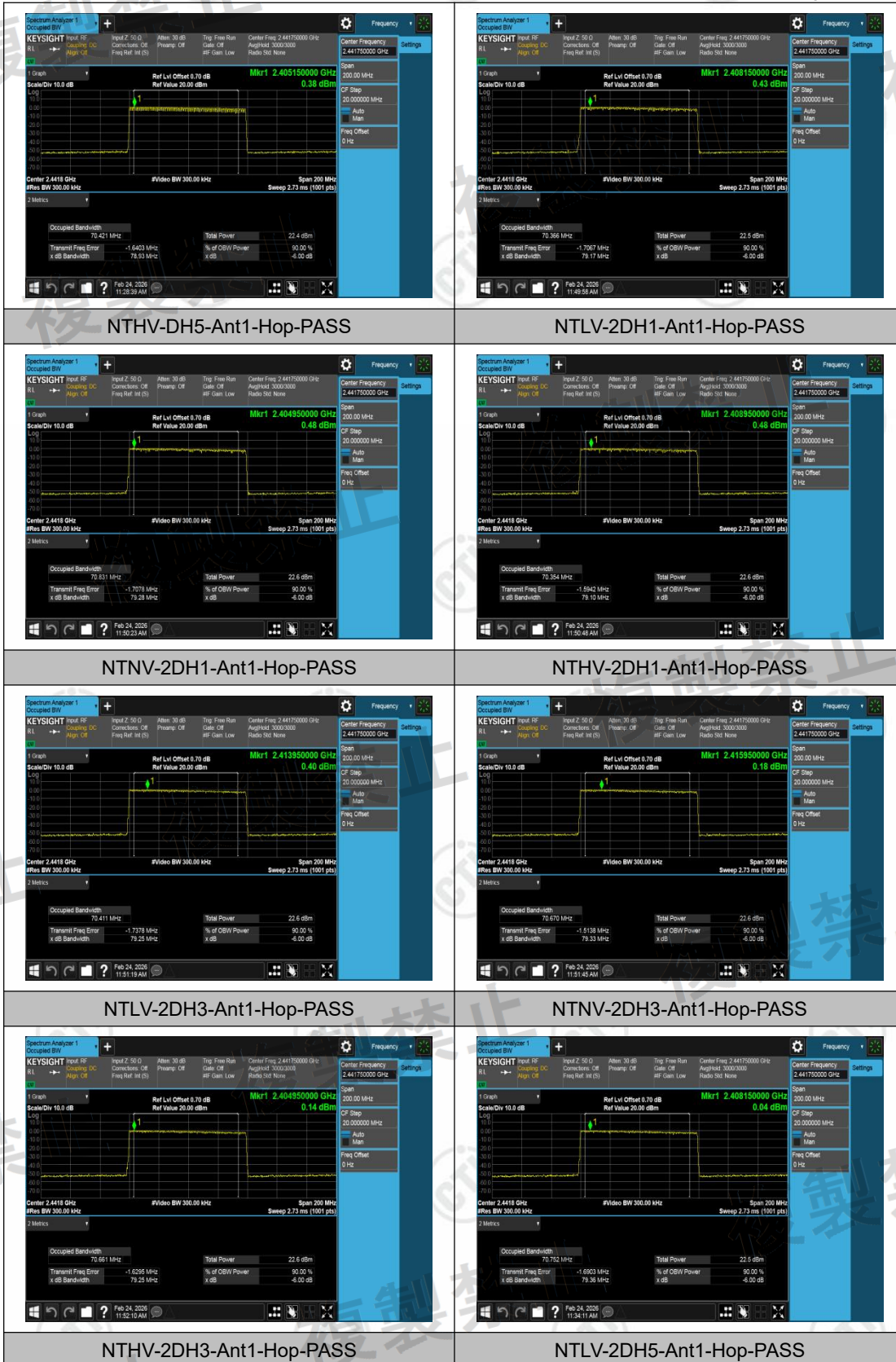
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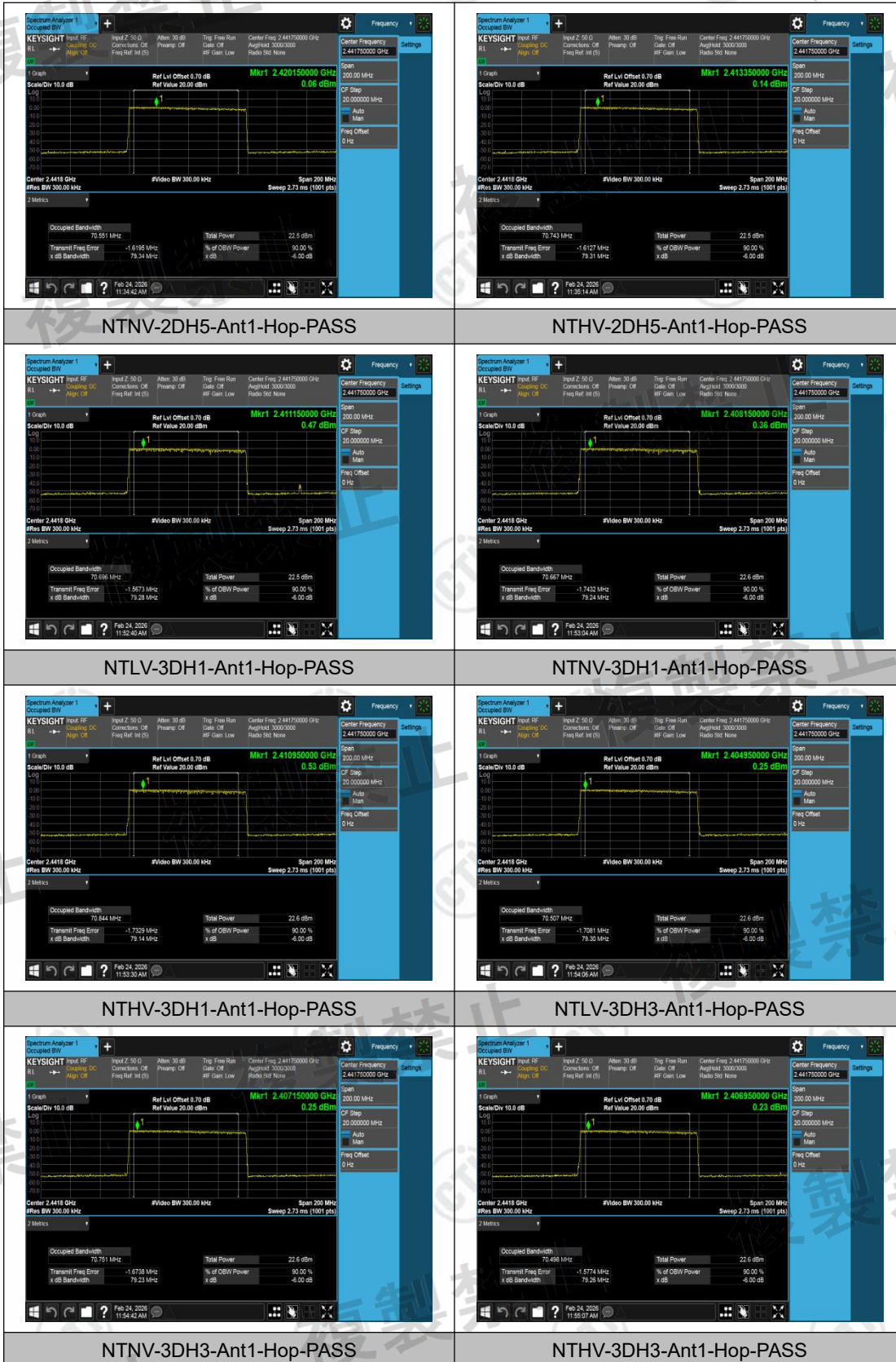


NTLV-DH1-Ant1-Hop-PASS



NTLV-DH1-Ant1-Hop-PASS





	
NTLV-3DH5-Ant1-Hop-PASS	NTNV-3DH5-Ant1-Hop-PASS
	
NTHV-3DH5-Ant1-Hop-PASS	

Appendix E: Unwanted Emission Strength

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Freq [MHz]	Result [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTLV	DH5	Ant1	2402	30~1000	834.62	-68.19	0.00015	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	30~1000	828.31	-68.27	0.00015	≤ 2.5	PASS
NTHV	DH5	Ant1	2402	30~1000	871.72	-68.57	0.00014	≤ 2.5	PASS
NTLV	DH5	Ant1	2402	1000~2387	2375.56	-53.77	0.00420	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	1000~2387	2382.15	-54.47	0.00357	≤ 2.5	PASS
NTHV	DH5	Ant1	2402	1000~2387	2386.31	-55.21	0.00301	≤ 2.5	PASS
NTLV	DH5	Ant1	2402	2387~2400	2399.99	-29.14	1.21899	≤ 25	PASS
NTNV	DH5	Ant1	2402	2387~2400	2399.99	-28.71	1.34586	≤ 25	PASS
NTHV	DH5	Ant1	2402	2387~2400	2400.00	-28.95	1.27350	≤ 25	PASS
NTLV	DH5	Ant1	2402	2483.5~2496.5	2488.81	-46.27	0.02360	≤ 25	PASS
NTNV	DH5	Ant1	2402	2483.5~2496.5	2485.73	-46.47	0.02254	≤ 25	PASS
NTHV	DH5	Ant1	2402	2483.5~2496.5	2492.44	-46.25	0.02371	≤ 25	PASS
NTLV	DH5	Ant1	2402	2496.5~13000	9608.42	-44.21	0.03793	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	2496.5~13000	9608.42	-45.05	0.03126	≤ 2.5	PASS
NTHV	DH5	Ant1	2402	2496.5~13000	9608.42	-44.50	0.03548	≤ 2.5	PASS
NTLV	DH5	Ant1	2441	30~1000	860.56	-67.76	0.00017	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	30~1000	860.81	-67.33	0.00018	≤ 2.5	PASS
NTHV	DH5	Ant1	2441	30~1000	867.11	-67.58	0.00017	≤ 2.5	PASS
NTLV	DH5	Ant1	2441	1000~2387	2362.38	-55.92	0.00256	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	1000~2387	2144.62	-55.41	0.00288	≤ 2.5	PASS
NTHV	DH5	Ant1	2441	1000~2387	2252.46	-55.43	0.00286	≤ 2.5	PASS
NTLV	DH5	Ant1	2441	2387~2400	2399.11	-45.86	0.02594	≤ 25	PASS
NTNV	DH5	Ant1	2441	2387~2400	2396.93	-45.66	0.02716	≤ 25	PASS
NTHV	DH5	Ant1	2441	2387~2400	2397.90	-46.09	0.02460	≤ 25	PASS
NTLV	DH5	Ant1	2441	2483.5~2496.5	2492.03	-45.97	0.02529	≤ 25	PASS
NTNV	DH5	Ant1	2441	2483.5~2496.5	2488.45	-46.59	0.02193	≤ 25	PASS
NTHV	DH5	Ant1	2441	2483.5~2496.5	2491.29	-46.25	0.02371	≤ 25	PASS
NTLV	DH5	Ant1	2441	2496.5~13000	9764.92	-48.03	0.01574	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	2496.5~13000	9764.92	-47.64	0.01722	≤ 2.5	PASS
NTHV	DH5	Ant1	2441	2496.5~13000	9764.92	-48.21	0.01510	≤ 2.5	PASS
NTLV	DH5	Ant1	2480	30~1000	849.89	-67.16	0.00019	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	30~1000	862.75	-67.80	0.00017	≤ 2.5	PASS
NTHV	DH5	Ant1	2480	30~1000	802.12	-68.00	0.00016	≤ 2.5	PASS
NTLV	DH5	Ant1	2480	1000~2387	2374.86	-55.41	0.00288	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	1000~2387	2307.25	-56.21	0.00239	≤ 2.5	PASS

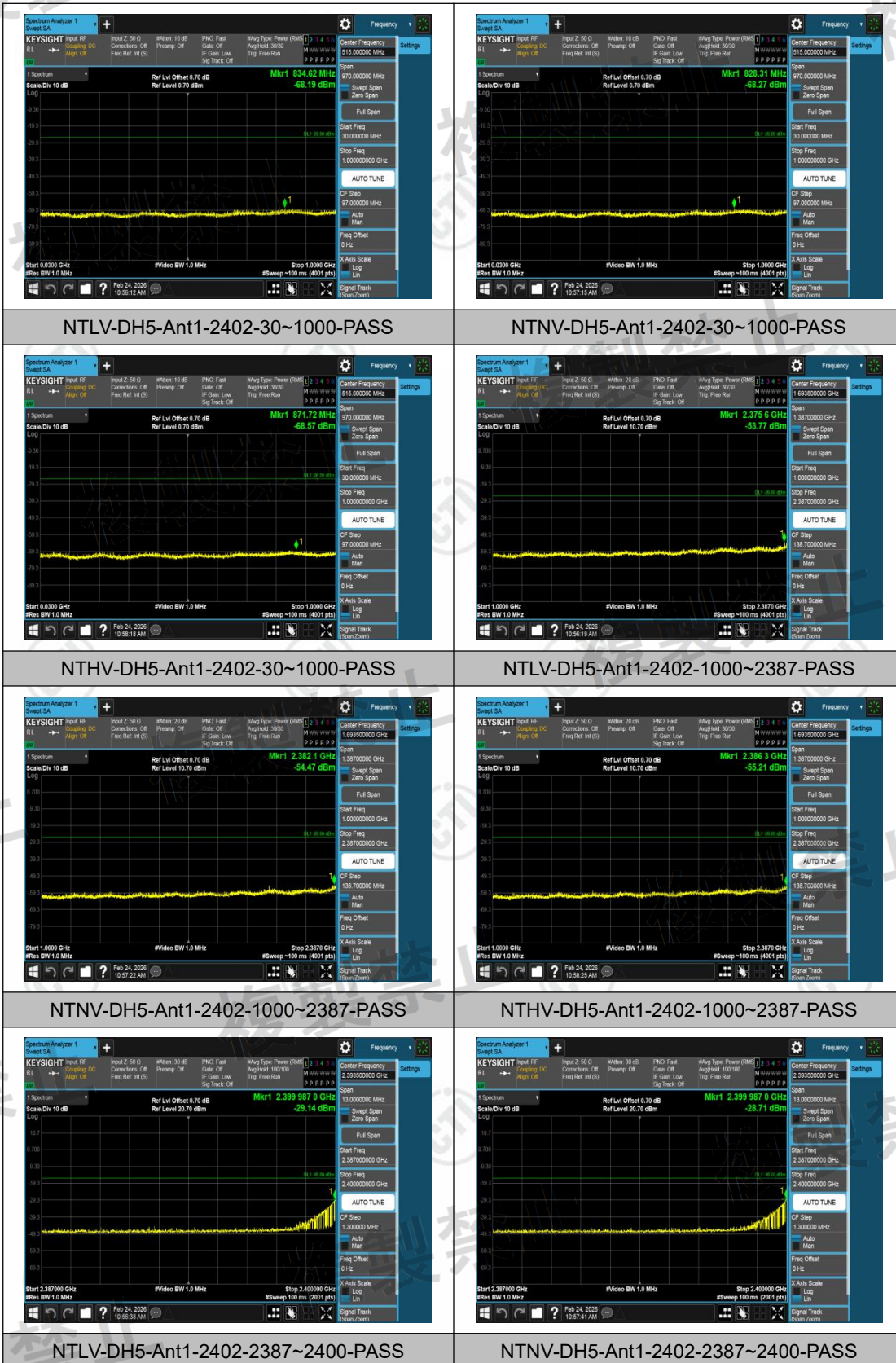
NTHV	DH5	Ant1	2480	1000~2387	2347.82	-55.85	0.00260	≤2.5	PASS
NTLV	DH5	Ant1	2480	2387~2400	2394.79	-45.81	0.02624	≤25	PASS
NTNV	DH5	Ant1	2480	2387~2400	2392.58	-44.89	0.03243	≤25	PASS
NTHV	DH5	Ant1	2480	2387~2400	2397.85	-46.11	0.02449	≤25	PASS
NTLV	DH5	Ant1	2480	2483.5~2496.5	2483.75	-46.00	0.02512	≤25	PASS
NTNV	DH5	Ant1	2480	2483.5~2496.5	2484.10	-46.16	0.02421	≤25	PASS
NTHV	DH5	Ant1	2480	2483.5~2496.5	2483.55	-45.90	0.02570	≤25	PASS
NTLV	DH5	Ant1	2480	2496.5~13000	9920.37	-52.19	0.00604	≤2.5	PASS
NTNV	DH5	Ant1	2480	2496.5~13000	9920.37	-51.43	0.00719	≤2.5	PASS
NTHV	DH5	Ant1	2480	2496.5~13000	9920.90	-51.55	0.00700	≤2.5	PASS
NTLV	DH5	Ant1	Hop	30~1000	838.25	-69.08	0.00012	≤2.5	PASS
NTNV	DH5	Ant1	Hop	30~1000	843.10	-68.63	0.00014	≤2.5	PASS
NTHV	DH5	Ant1	Hop	30~1000	841.89	-68.70	0.00013	≤2.5	PASS
NTLV	DH5	Ant1	Hop	1000~2387	2384.57	-56.16	0.00242	≤2.5	PASS
NTNV	DH5	Ant1	Hop	1000~2387	2376.60	-54.41	0.00362	≤2.5	PASS
NTHV	DH5	Ant1	Hop	1000~2387	2387.00	-55.29	0.00296	≤2.5	PASS
NTLV	DH5	Ant1	Hop	2387~2400	2399.97	-30.32	0.92897	≤25	PASS
NTNV	DH5	Ant1	Hop	2387~2400	2399.99	-30.40	0.91201	≤25	PASS
NTHV	DH5	Ant1	Hop	2387~2400	2399.48	-37.49	0.17824	≤25	PASS
NTLV	DH5	Ant1	Hop	2483.5~2496.5	2484.09	-47.22	0.01897	≤25	PASS
NTNV	DH5	Ant1	Hop	2483.5~2496.5	2494.73	-46.89	0.02046	≤25	PASS
NTHV	DH5	Ant1	Hop	2483.5~2496.5	2491.14	-47.07	0.01963	≤25	PASS
NTLV	DH5	Ant1	Hop	2496.5~13000	9608.95	-45.32	0.02938	≤2.5	PASS
NTNV	DH5	Ant1	Hop	2496.5~13000	9657.26	-45.78	0.02642	≤2.5	PASS
NTHV	DH5	Ant1	Hop	2496.5~13000	9656.74	-45.84	0.02606	≤2.5	PASS
NTLV	2DH5	Ant1	2402	30~1000	860.81	-67.93	0.00016	≤2.5	PASS
NTNV	2DH5	Ant1	2402	30~1000	833.89	-67.50	0.00018	≤2.5	PASS
NTHV	2DH5	Ant1	2402	30~1000	822.98	-68.06	0.00016	≤2.5	PASS
NTLV	2DH5	Ant1	2402	1000~2387	2376.25	-53.59	0.00438	≤2.5	PASS
NTNV	2DH5	Ant1	2402	1000~2387	2376.25	-54.39	0.00364	≤2.5	PASS
NTHV	2DH5	Ant1	2402	1000~2387	2376.94	-54.92	0.00322	≤2.5	PASS
NTLV	2DH5	Ant1	2402	2387~2400	2400.00	-29.41	1.14551	≤25	PASS
NTNV	2DH5	Ant1	2402	2387~2400	2400.00	-29.54	1.11173	≤25	PASS
NTHV	2DH5	Ant1	2402	2387~2400	2400.00	-29.56	1.10662	≤25	PASS
NTLV	2DH5	Ant1	2402	2483.5~2496.5	2489.37	-46.64	0.02168	≤25	PASS
NTNV	2DH5	Ant1	2402	2483.5~2496.5	2496.07	-46.77	0.02104	≤25	PASS
NTHV	2DH5	Ant1	2402	2483.5~2496.5	2494.73	-46.25	0.02371	≤25	PASS
NTLV	2DH5	Ant1	2402	2496.5~13000	9608.95	-44.04	0.03945	≤2.5	PASS
NTNV	2DH5	Ant1	2402	2496.5~13000	9608.95	-44.55	0.03508	≤2.5	PASS
NTHV	2DH5	Ant1	2402	2496.5~13000	9608.95	-44.15	0.03846	≤2.5	PASS
NTLV	2DH5	Ant1	2441	30~1000	830.01	-68.32	0.00015	≤2.5	PASS
NTNV	2DH5	Ant1	2441	30~1000	61.77	-68.60	0.00014	≤2.5	PASS

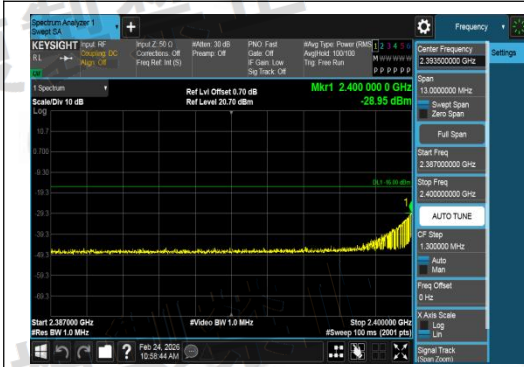
NTHV	2DH5	Ant1	2441	30~1000	873.90	-68.63	0.00014	≤2.5	PASS
NTLV	2DH5	Ant1	2441	1000~2387	2272.57	-54.77	0.00333	≤2.5	PASS
NTNV	2DH5	Ant1	2441	1000~2387	2293.72	-55.90	0.00257	≤2.5	PASS
NTHV	2DH5	Ant1	2441	1000~2387	2269.80	-55.84	0.00261	≤2.5	PASS
NTLV	2DH5	Ant1	2441	2387~2400	2389.33	-45.97	0.02529	≤25	PASS
NTNV	2DH5	Ant1	2441	2387~2400	2398.88	-45.77	0.02649	≤25	PASS
NTHV	2DH5	Ant1	2441	2387~2400	2392.71	-46.02	0.02500	≤25	PASS
NTLV	2DH5	Ant1	2441	2483.5~2496.5	2495.86	-46.37	0.02307	≤25	PASS
NTNV	2DH5	Ant1	2441	2483.5~2496.5	2487.22	-46.62	0.02178	≤25	PASS
NTHV	2DH5	Ant1	2441	2483.5~2496.5	2496.42	-46.49	0.02244	≤25	PASS
NTLV	2DH5	Ant1	2441	2496.5~13000	9764.92	-47.75	0.01679	≤2.5	PASS
NTNV	2DH5	Ant1	2441	2496.5~13000	9764.92	-48.23	0.01503	≤2.5	PASS
NTHV	2DH5	Ant1	2441	2496.5~13000	9764.92	-48.25	0.01496	≤2.5	PASS
NTLV	2DH5	Ant1	2480	30~1000	872.45	-68.47	0.00014	≤2.5	PASS
NTNV	2DH5	Ant1	2480	30~1000	914.88	-68.56	0.00014	≤2.5	PASS
NTHV	2DH5	Ant1	2480	30~1000	849.65	-68.62	0.00014	≤2.5	PASS
NTLV	2DH5	Ant1	2480	1000~2387	2375.56	-55.36	0.00291	≤2.5	PASS
NTNV	2DH5	Ant1	2480	1000~2387	2308.63	-56.00	0.00251	≤2.5	PASS
NTHV	2DH5	Ant1	2480	1000~2387	2273.27	-55.63	0.00274	≤2.5	PASS
NTLV	2DH5	Ant1	2480	2387~2400	2388.87	-45.49	0.02825	≤25	PASS
NTNV	2DH5	Ant1	2480	2387~2400	2392.82	-45.60	0.02754	≤25	PASS
NTHV	2DH5	Ant1	2480	2387~2400	2399.56	-46.06	0.02477	≤25	PASS
NTLV	2DH5	Ant1	2480	2483.5~2496.5	2483.51	-44.51	0.03540	≤25	PASS
NTNV	2DH5	Ant1	2480	2483.5~2496.5	2483.53	-44.21	0.03793	≤25	PASS
NTHV	2DH5	Ant1	2480	2483.5~2496.5	2483.65	-43.67	0.04295	≤25	PASS
NTLV	2DH5	Ant1	2480	2496.5~13000	9920.37	-51.72	0.00673	≤2.5	PASS
NTNV	2DH5	Ant1	2480	2496.5~13000	9920.90	-52.12	0.00614	≤2.5	PASS
NTHV	2DH5	Ant1	2480	2496.5~13000	9920.90	-52.12	0.00614	≤2.5	PASS
NTLV	2DH5	Ant1	Hop	30~1000	835.34	-68.92	0.00013	≤2.5	PASS
NTNV	2DH5	Ant1	Hop	30~1000	674.57	-68.48	0.00014	≤2.5	PASS
NTHV	2DH5	Ant1	Hop	30~1000	968.72	-69.13	0.00012	≤2.5	PASS
NTLV	2DH5	Ant1	Hop	1000~2387	2379.72	-55.80	0.00263	≤2.5	PASS
NTNV	2DH5	Ant1	Hop	1000~2387	2376.94	-56.11	0.00245	≤2.5	PASS
NTHV	2DH5	Ant1	Hop	1000~2387	2379.72	-55.08	0.00310	≤2.5	PASS
NTLV	2DH5	Ant1	Hop	2387~2400	2399.98	-31.48	0.71121	≤25	PASS
NTNV	2DH5	Ant1	Hop	2387~2400	2399.99	-31.93	0.64121	≤25	PASS
NTHV	2DH5	Ant1	Hop	2387~2400	2399.86	-35.96	0.25351	≤25	PASS
NTLV	2DH5	Ant1	Hop	2483.5~2496.5	2487.39	-47.24	0.01888	≤25	PASS
NTNV	2DH5	Ant1	Hop	2483.5~2496.5	2488.17	-46.92	0.02032	≤25	PASS
NTHV	2DH5	Ant1	Hop	2483.5~2496.5	2494.89	-47.45	0.01799	≤25	PASS
NTLV	2DH5	Ant1	Hop	2496.5~13000	9676.69	-46.48	0.02249	≤2.5	PASS
NTNV	2DH5	Ant1	Hop	2496.5~13000	9620.50	-46.47	0.02254	≤2.5	PASS

NTHV	2DH5	Ant1	Hop	2496.5~13000	9613.15	-46.84	0.02070	≤2.5	PASS
NTLV	3DH5	Ant1	2402	30~1000	997.58	-68.40	0.00014	≤2.5	PASS
NTNV	3DH5	Ant1	2402	30~1000	834.62	-68.19	0.00015	≤2.5	PASS
NTHV	3DH5	Ant1	2402	30~1000	927.98	-67.97	0.00016	≤2.5	PASS
NTLV	3DH5	Ant1	2402	1000~2387	2376.25	-55.05	0.00313	≤2.5	PASS
NTNV	3DH5	Ant1	2402	1000~2387	2376.25	-53.86	0.00411	≤2.5	PASS
NTHV	3DH5	Ant1	2402	1000~2387	2376.60	-54.76	0.00334	≤2.5	PASS
NTLV	3DH5	Ant1	2402	2387~2400	2400.00	-29.16	1.21339	≤25	PASS
NTNV	3DH5	Ant1	2402	2387~2400	2400.00	-29.17	1.21060	≤25	PASS
NTHV	3DH5	Ant1	2402	2387~2400	2400.00	-29.00	1.25893	≤25	PASS
NTLV	3DH5	Ant1	2402	2483.5~2496.5	2491.91	-46.46	0.02259	≤25	PASS
NTNV	3DH5	Ant1	2402	2483.5~2496.5	2483.56	-46.34	0.02323	≤25	PASS
NTHV	3DH5	Ant1	2402	2483.5~2496.5	2490.90	-46.68	0.02148	≤25	PASS
NTLV	3DH5	Ant1	2402	2496.5~13000	9608.95	-44.45	0.03589	≤2.5	PASS
NTNV	3DH5	Ant1	2402	2496.5~13000	9608.42	-44.99	0.03170	≤2.5	PASS
NTHV	3DH5	Ant1	2402	2496.5~13000	9608.95	-44.39	0.03639	≤2.5	PASS
NTLV	3DH5	Ant1	2441	30~1000	997.09	-67.95	0.00016	≤2.5	PASS
NTNV	3DH5	Ant1	2441	30~1000	856.20	-68.17	0.00015	≤2.5	PASS
NTHV	3DH5	Ant1	2441	30~1000	878.27	-67.27	0.00019	≤2.5	PASS
NTLV	3DH5	Ant1	2441	1000~2387	2271.88	-56.13	0.00244	≤2.5	PASS
NTNV	3DH5	Ant1	2441	1000~2387	2382.15	-55.10	0.00309	≤2.5	PASS
NTHV	3DH5	Ant1	2441	1000~2387	2256.28	-55.61	0.00275	≤2.5	PASS
NTLV	3DH5	Ant1	2441	2387~2400	2393.05	-45.72	0.02679	≤25	PASS
NTNV	3DH5	Ant1	2441	2387~2400	2389.29	-45.74	0.02667	≤25	PASS
NTHV	3DH5	Ant1	2441	2387~2400	2397.41	-46.12	0.02443	≤25	PASS
NTLV	3DH5	Ant1	2441	2483.5~2496.5	2492.45	-46.63	0.02173	≤25	PASS
NTNV	3DH5	Ant1	2441	2483.5~2496.5	2495.26	-46.67	0.02153	≤25	PASS
NTHV	3DH5	Ant1	2441	2483.5~2496.5	2488.65	-46.11	0.02449	≤25	PASS
NTLV	3DH5	Ant1	2441	2496.5~13000	9764.40	-47.22	0.01897	≤2.5	PASS
NTNV	3DH5	Ant1	2441	2496.5~13000	9764.92	-46.97	0.02009	≤2.5	PASS
NTHV	3DH5	Ant1	2441	2496.5~13000	9764.92	-47.51	0.01774	≤2.5	PASS
NTLV	3DH5	Ant1	2480	30~1000	847.95	-67.95	0.00016	≤2.5	PASS
NTNV	3DH5	Ant1	2480	30~1000	859.59	-68.19	0.00015	≤2.5	PASS
NTHV	3DH5	Ant1	2480	30~1000	830.49	-66.16	0.00024	≤2.5	PASS
NTLV	3DH5	Ant1	2480	1000~2387	2383.53	-55.97	0.00253	≤2.5	PASS
NTNV	3DH5	Ant1	2480	1000~2387	2360.30	-55.73	0.00267	≤2.5	PASS
NTHV	3DH5	Ant1	2480	1000~2387	2242.75	-55.24	0.00299	≤2.5	PASS
NTLV	3DH5	Ant1	2480	2387~2400	2395.00	-45.94	0.02547	≤25	PASS
NTNV	3DH5	Ant1	2480	2387~2400	2390.78	-45.79	0.02636	≤25	PASS
NTHV	3DH5	Ant1	2480	2387~2400	2398.28	-45.20	0.03020	≤25	PASS
NTLV	3DH5	Ant1	2480	2483.5~2496.5	2483.63	-45.51	0.02812	≤25	PASS
NTNV	3DH5	Ant1	2480	2483.5~2496.5	2483.60	-45.86	0.02594	≤25	PASS

NTHV	3DH5	Ant1	2480	2483.5~2496.5	2483.53	-45.36	0.02911	≤25	PASS
NTLV	3DH5	Ant1	2480	2496.5~13000	9920.90	-51.73	0.00671	≤2.5	PASS
NTNV	3DH5	Ant1	2480	2496.5~13000	9920.90	-51.75	0.00668	≤2.5	PASS
NTHV	3DH5	Ant1	2480	2496.5~13000	9920.90	-51.69	0.00678	≤2.5	PASS
NTLV	3DH5	Ant1	Hop	30~1000	851.83	-68.93	0.00013	≤2.5	PASS
NTNV	3DH5	Ant1	Hop	30~1000	848.20	-68.92	0.00013	≤2.5	PASS
NTHV	3DH5	Ant1	Hop	30~1000	857.41	-68.91	0.00013	≤2.5	PASS
NTLV	3DH5	Ant1	Hop	1000~2387	2372.09	-56.55	0.00221	≤2.5	PASS
NTNV	3DH5	Ant1	Hop	1000~2387	2384.92	-55.51	0.00281	≤2.5	PASS
NTHV	3DH5	Ant1	Hop	1000~2387	2079.09	-56.73	0.00212	≤2.5	PASS
NTLV	3DH5	Ant1	Hop	2387~2400	2399.96	-31.37	0.72946	≤25	PASS
NTNV	3DH5	Ant1	Hop	2387~2400	2399.90	-33.21	0.47753	≤25	PASS
NTHV	3DH5	Ant1	Hop	2387~2400	2399.99	-30.48	0.89536	≤25	PASS
NTLV	3DH5	Ant1	Hop	2483.5~2496.5	2485.29	-46.79	0.02094	≤25	PASS
NTNV	3DH5	Ant1	Hop	2483.5~2496.5	2491.08	-47.26	0.01879	≤25	PASS
NTHV	3DH5	Ant1	Hop	2483.5~2496.5	2493.00	-47.50	0.01778	≤25	PASS
NTLV	3DH5	Ant1	Hop	2496.5~13000	9660.94	-46.58	0.02198	≤2.5	PASS
NTNV	3DH5	Ant1	Hop	2496.5~13000	9616.82	-44.19	0.03811	≤2.5	PASS
NTHV	3DH5	Ant1	Hop	2496.5~13000	9612.62	-45.05	0.03126	≤2.5	PASS

Test Graphs





NTHV-DH5-Ant1-2402-2387~2400-PASS



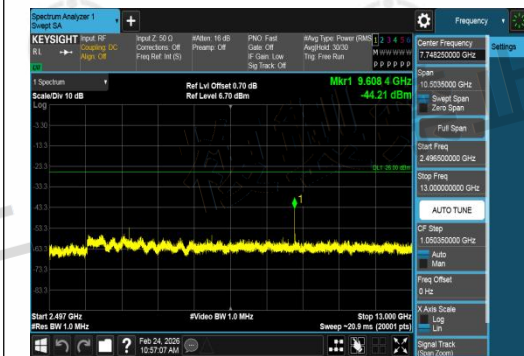
NTLV-DH5-Ant1-2402-2483.5~2496.5-PASS



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



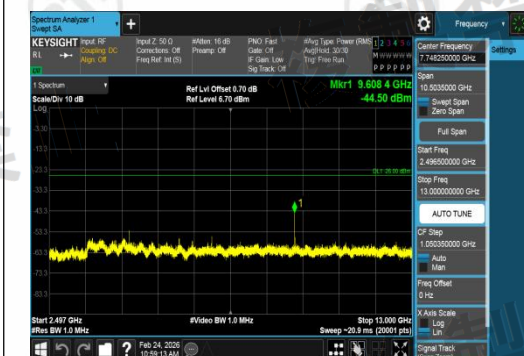
NTHV-DH5-Ant1-2402-2483.5~2496.5-PASS



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



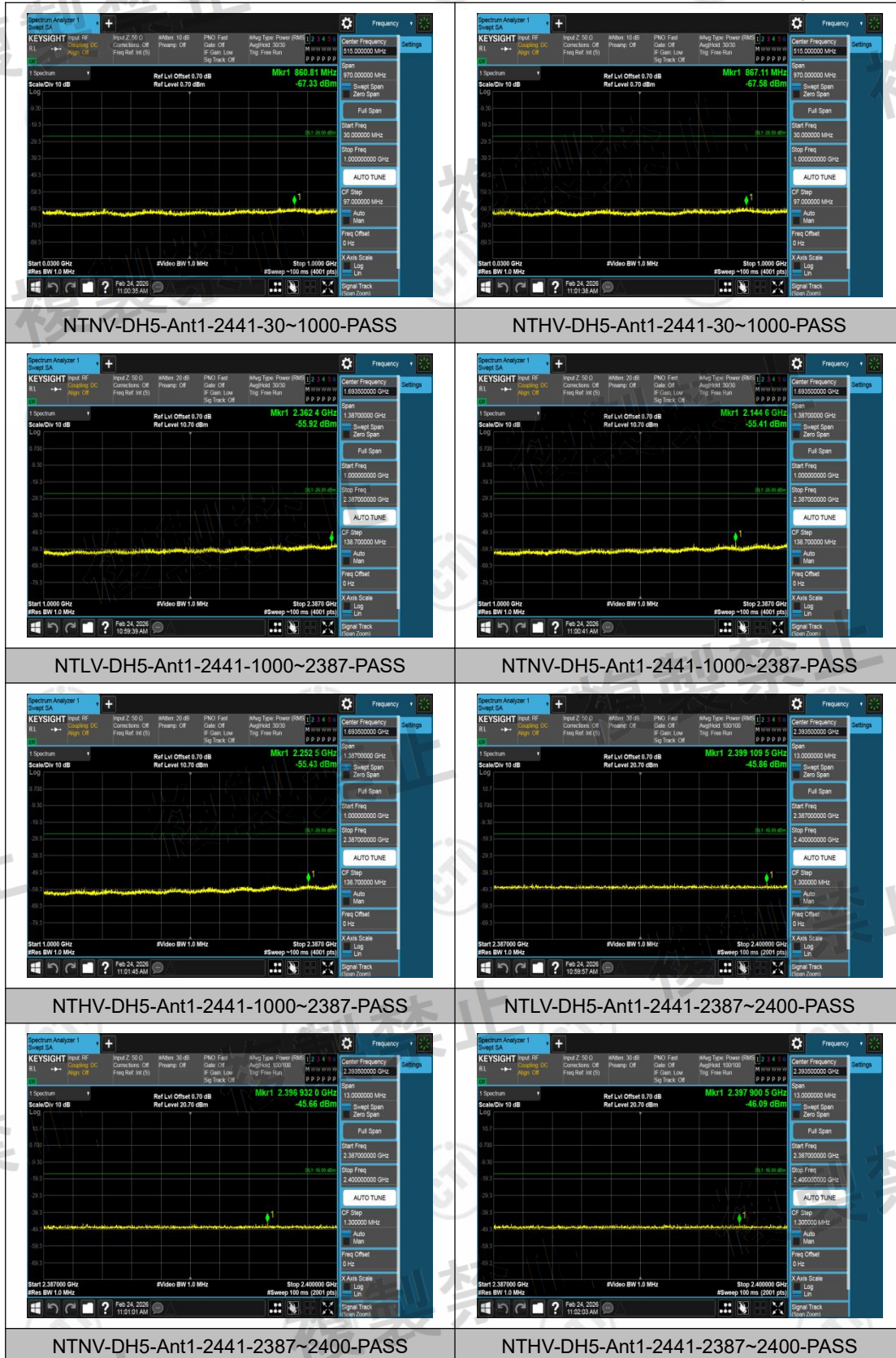
NTVN-DH5-Ant1-2402-2496.5~13000-PASS

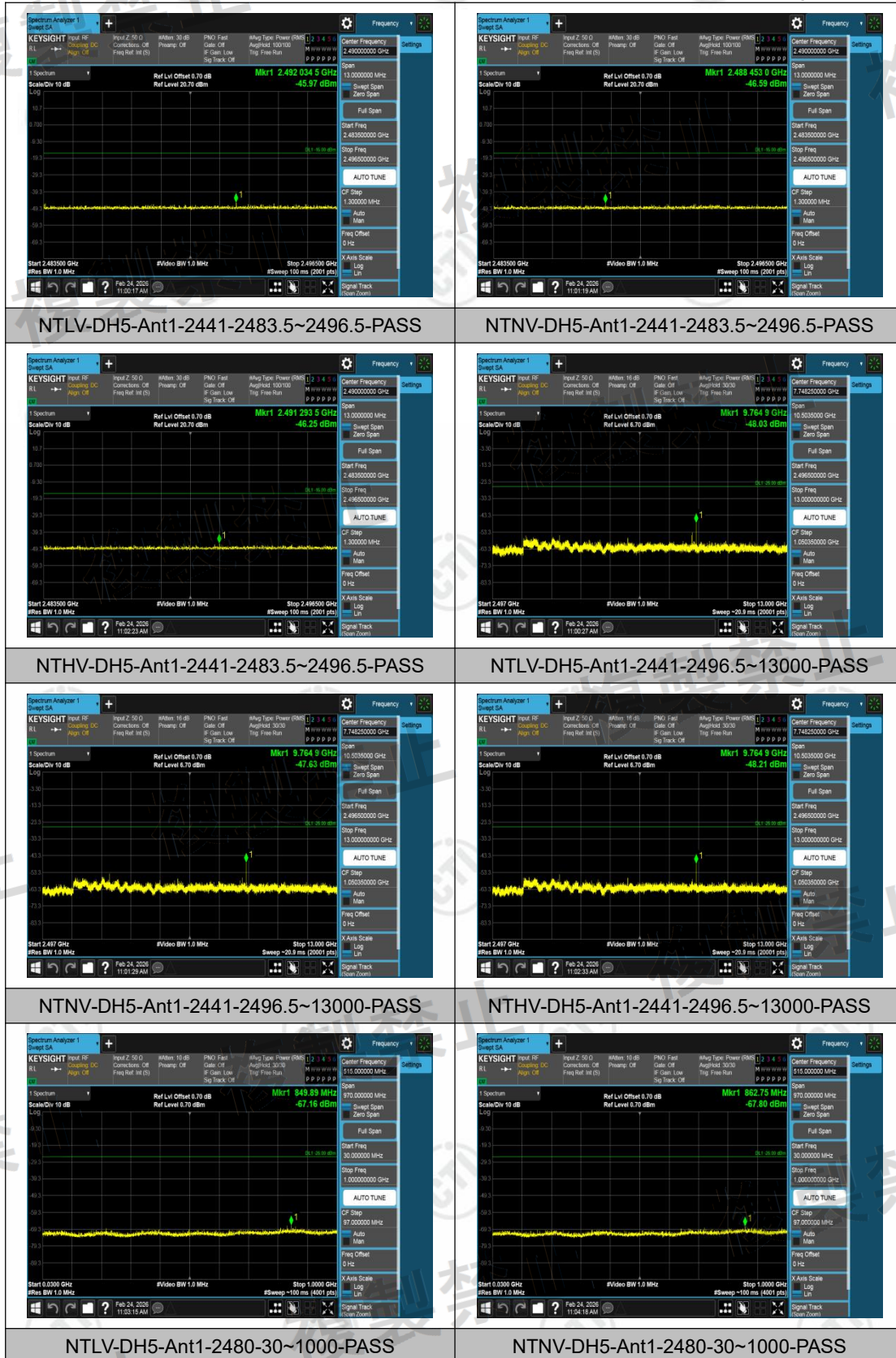


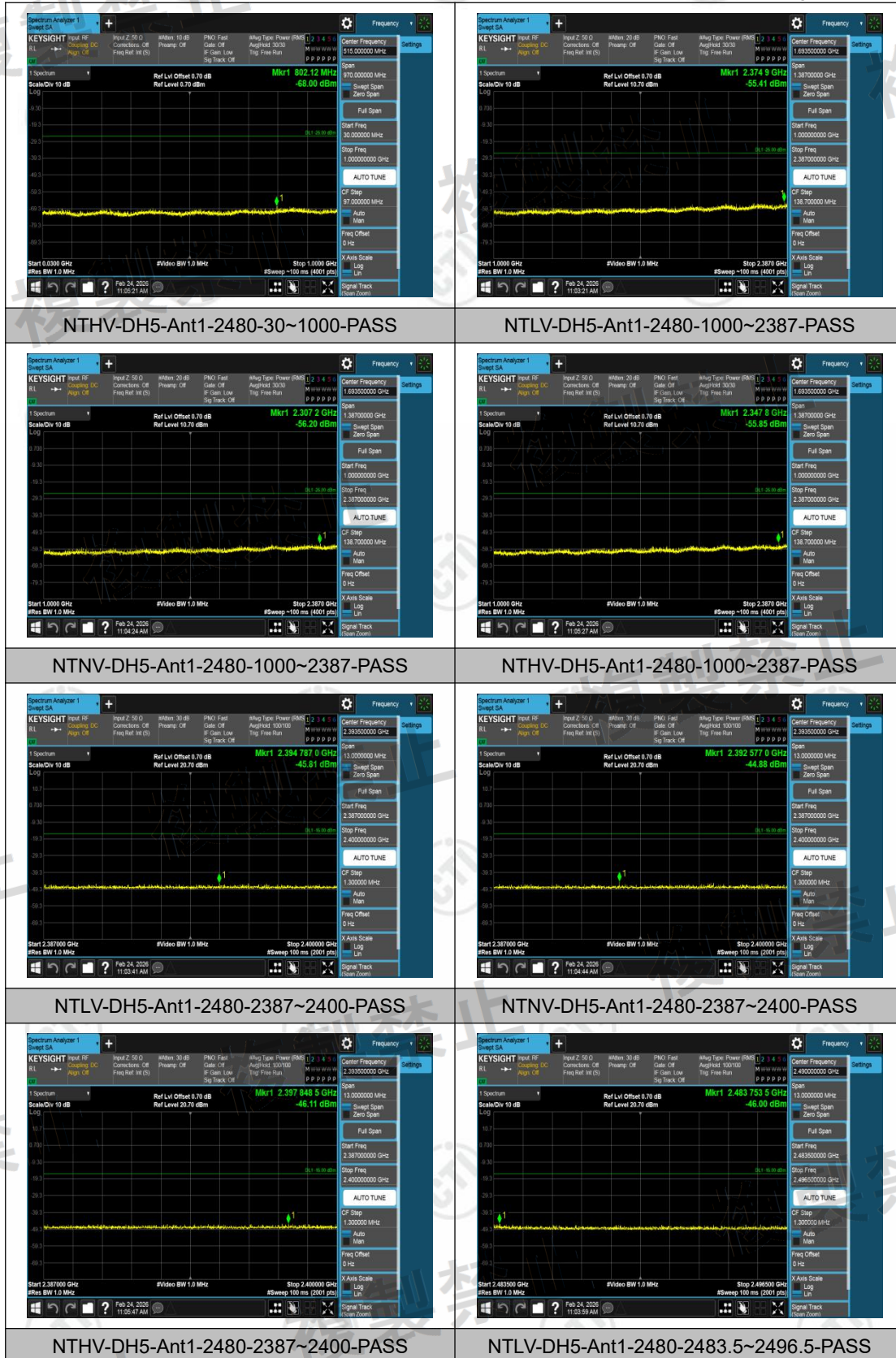
NTHV-DH5-Ant1-2402-2496.5~13000-PASS



NTLV-DH5-Ant1-2441-30~1000-PASS









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

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



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

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



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

NTLV-DH5-Ant1-Hop-30~1000-PASS

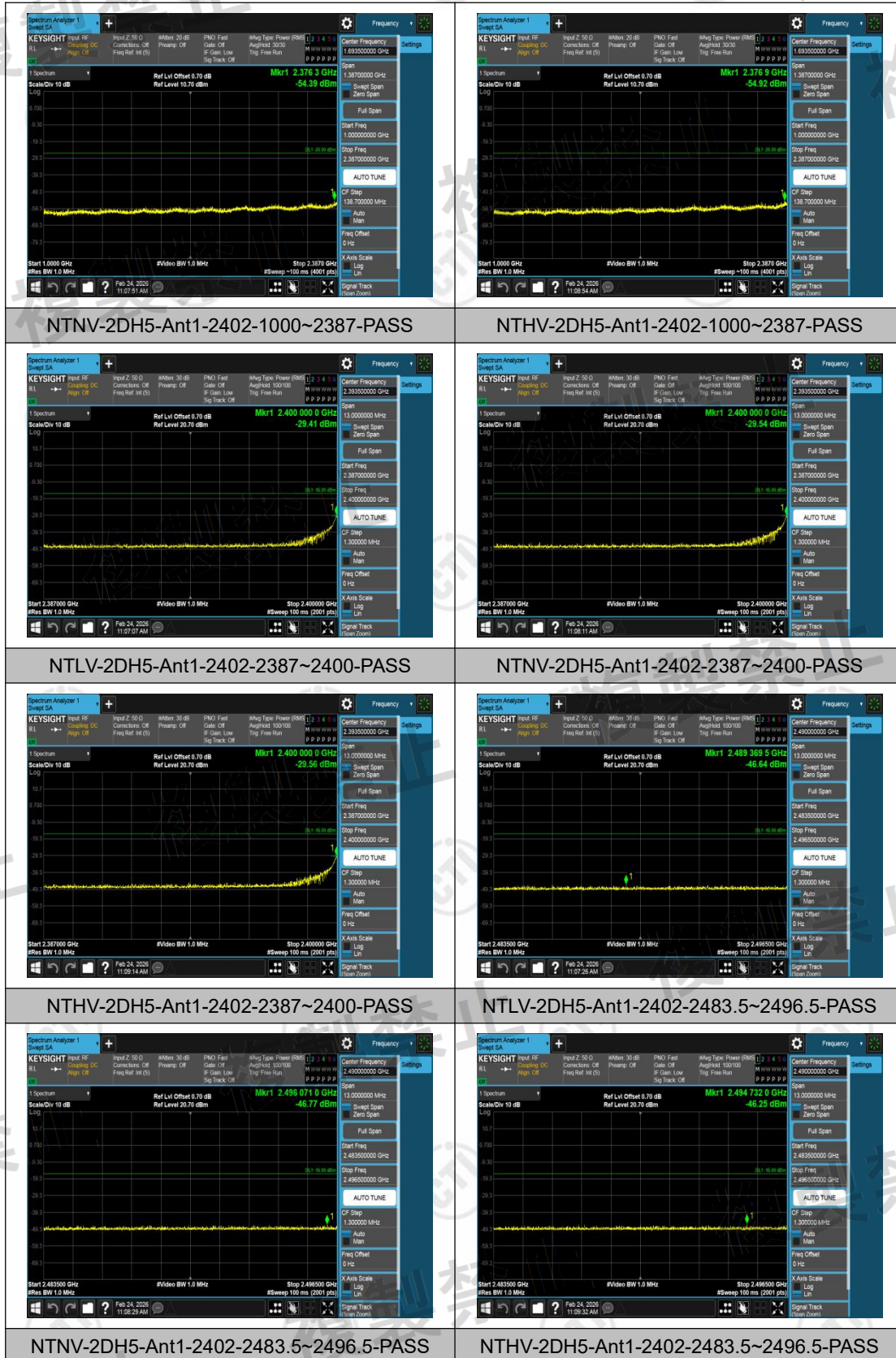


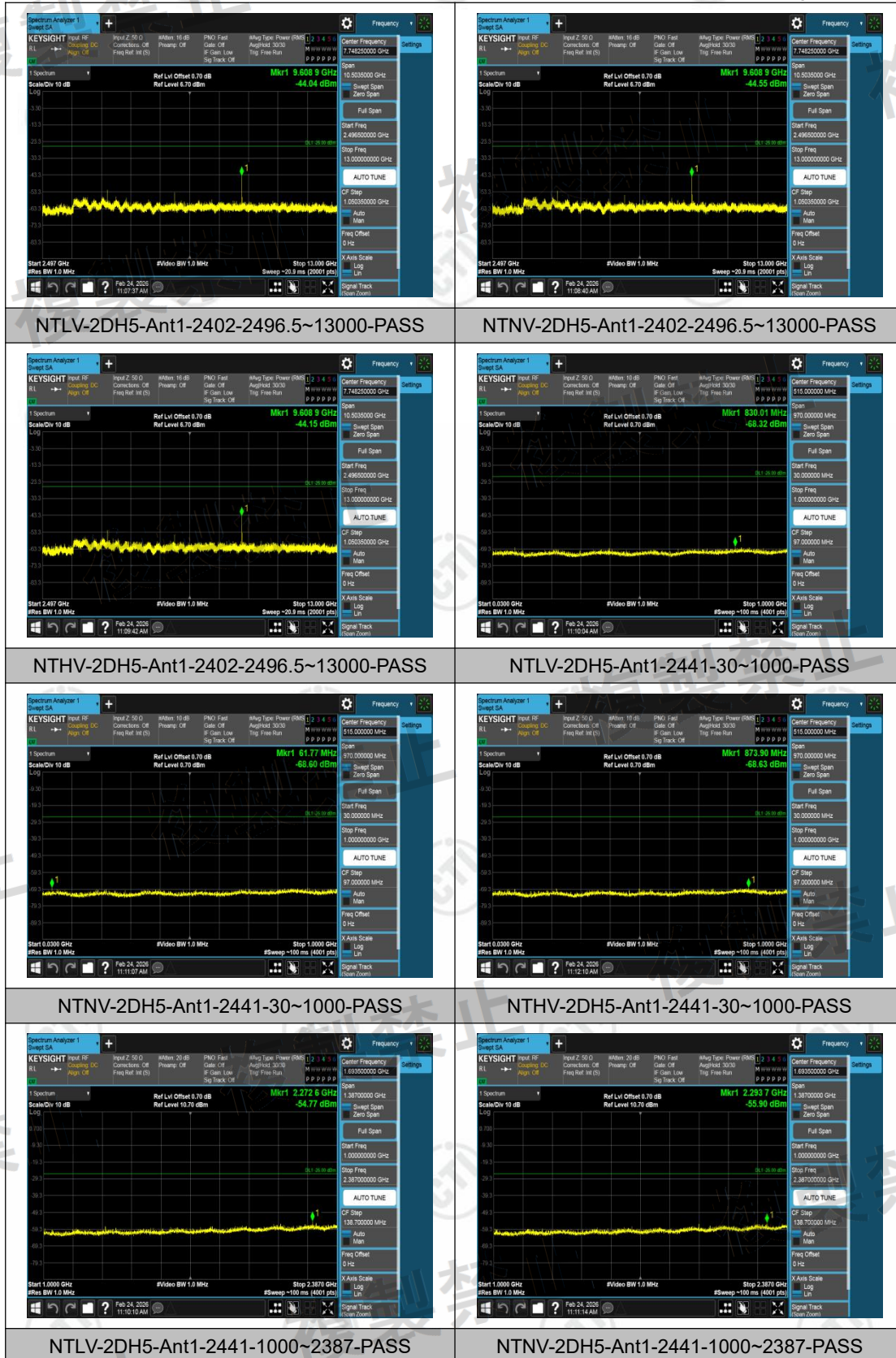
NTVN-DH5-Ant1-Hop-30~1000-PASS

NTHV-DH5-Ant1-Hop-30~1000-PASS



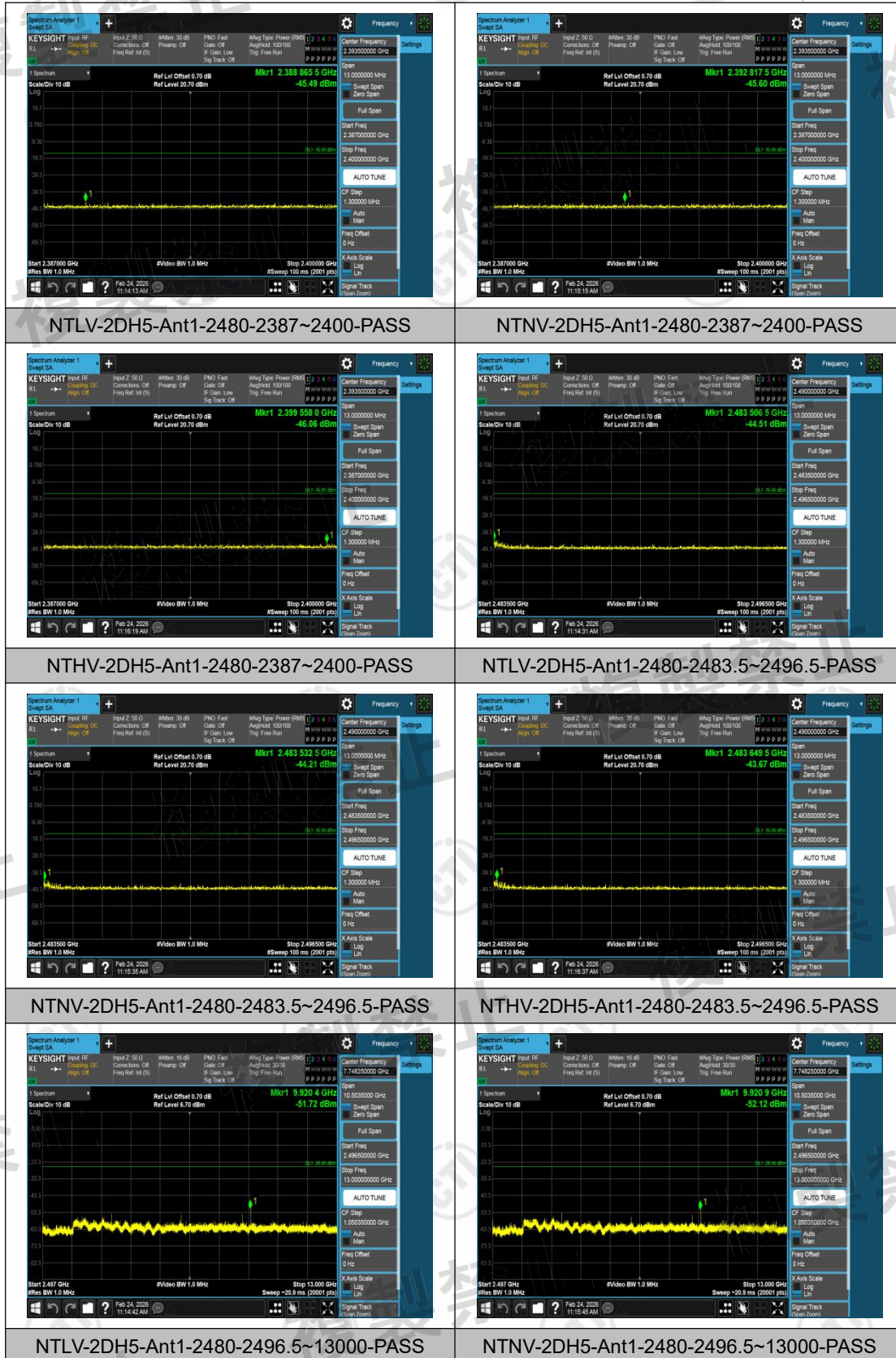




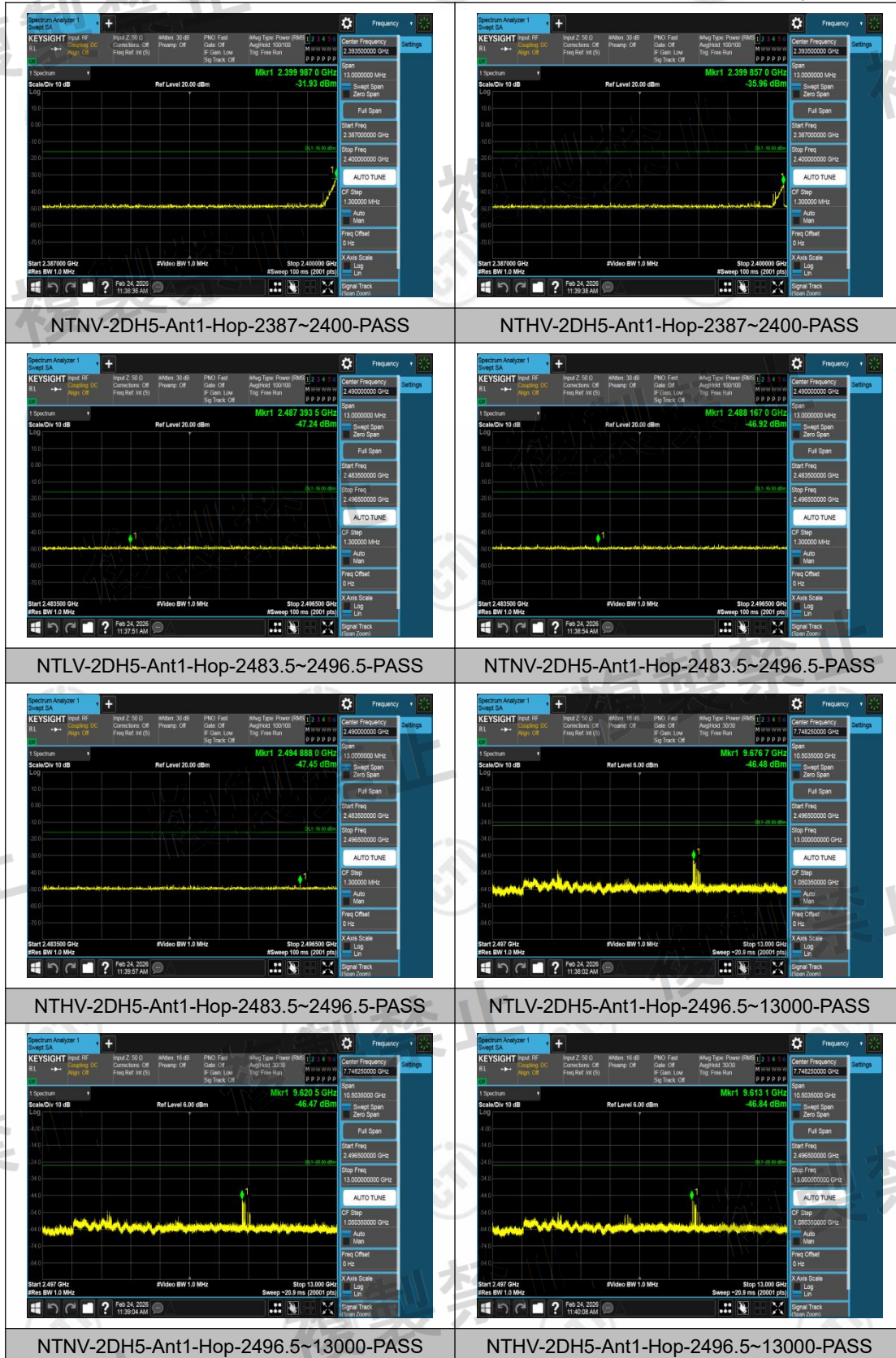














NTLV-3DH5-Ant1-2402-30~1000-PASS



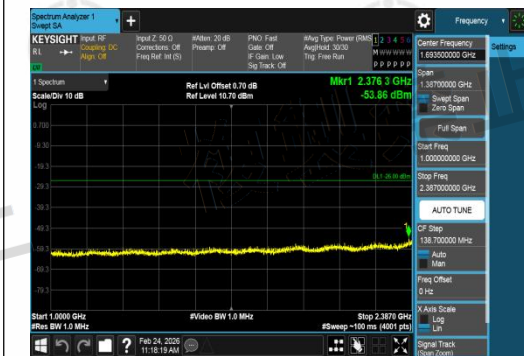
NNTV-3DH5-Ant1-2402-30~1000-PASS



NTHV-3DH5-Ant1-2402-30~1000-PASS



NTLV-3DH5-Ant1-2402-1000~2387-PASS



NNTV-3DH5-Ant1-2402-1000~2387-PASS



NTHV-3DH5-Ant1-2402-1000~2387-PASS

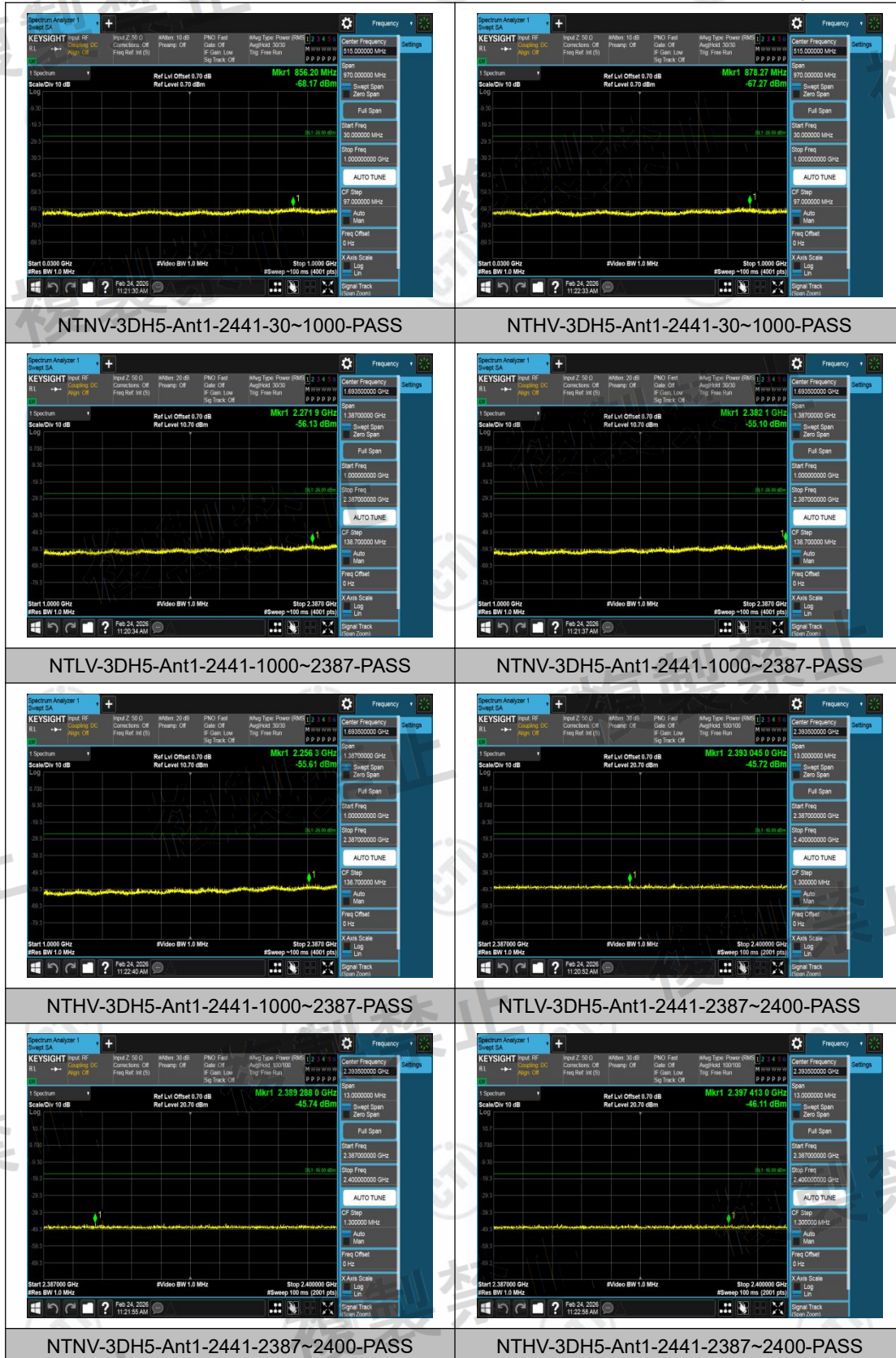


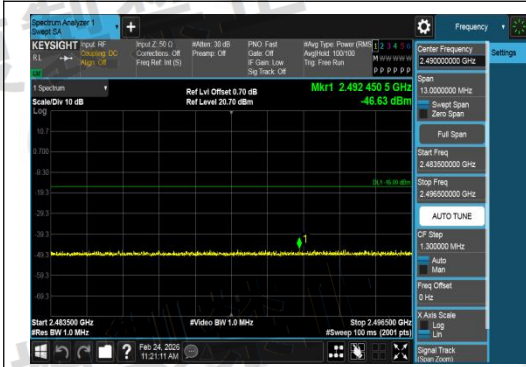
NTLV-3DH5-Ant1-2402-2387~2400-PASS



NNTV-3DH5-Ant1-2402-2387~2400-PASS







NTLV-3DH5-Ant1-2441-2483.5~2496.5-PASS



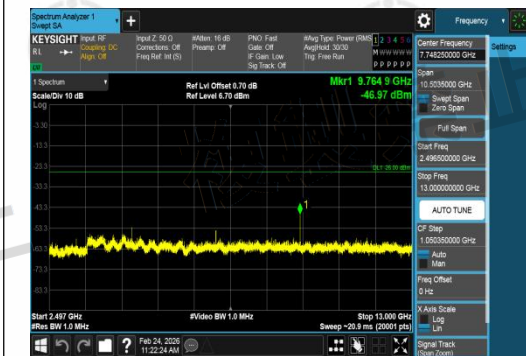
NTVN-3DH5-Ant1-2441-2483.5~2496.5-PASS



NTHV-3DH5-Ant1-2441-2483.5~2496.5-PASS



NTLV-3DH5-Ant1-2441-2496.5~13000-PASS



NTVN-3DH5-Ant1-2441-2496.5~13000-PASS



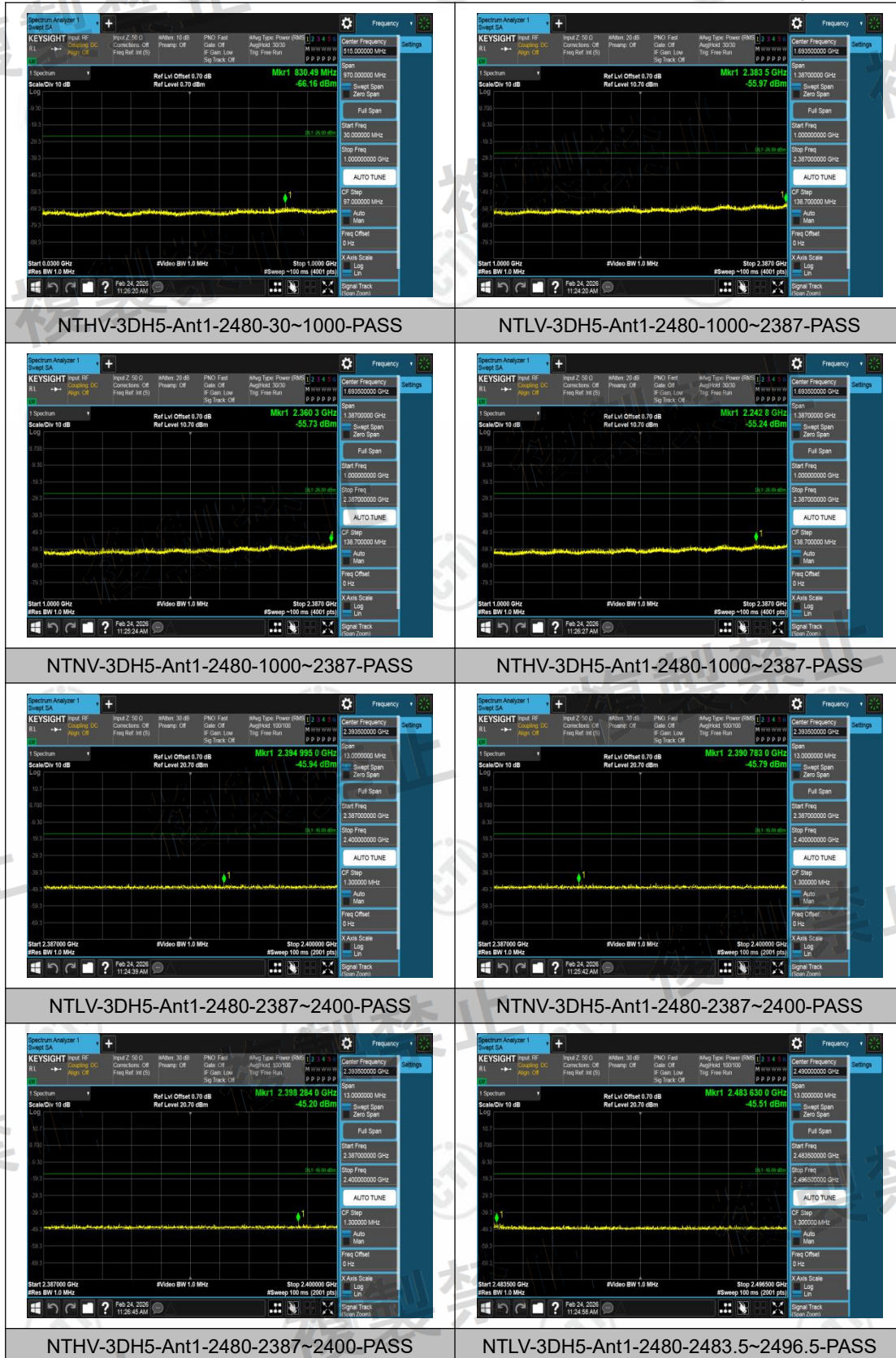
NTHV-3DH5-Ant1-2441-2496.5~13000-PASS



NTLV-3DH5-Ant1-2480-30~1000-PASS



NTVN-3DH5-Ant1-2480-30~1000-PASS

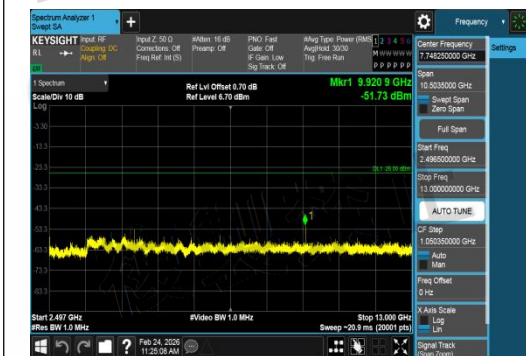




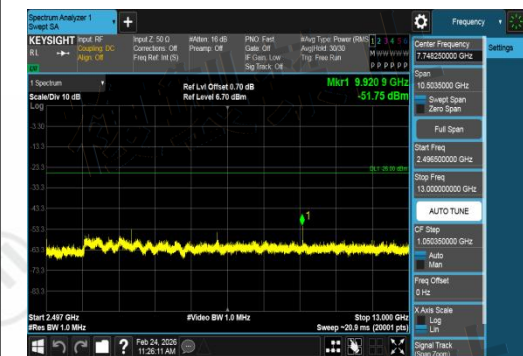
NTVN-3DH5-Ant1-2480-2483.5~2496.5-PASS



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



NTLV-3DH5-Ant1-2480-2496.5~13000-PASS



NTVN-3DH5-Ant1-2480-2496.5~13000-PASS



NTHV-3DH5-Ant1-2480-2496.5~13000-PASS



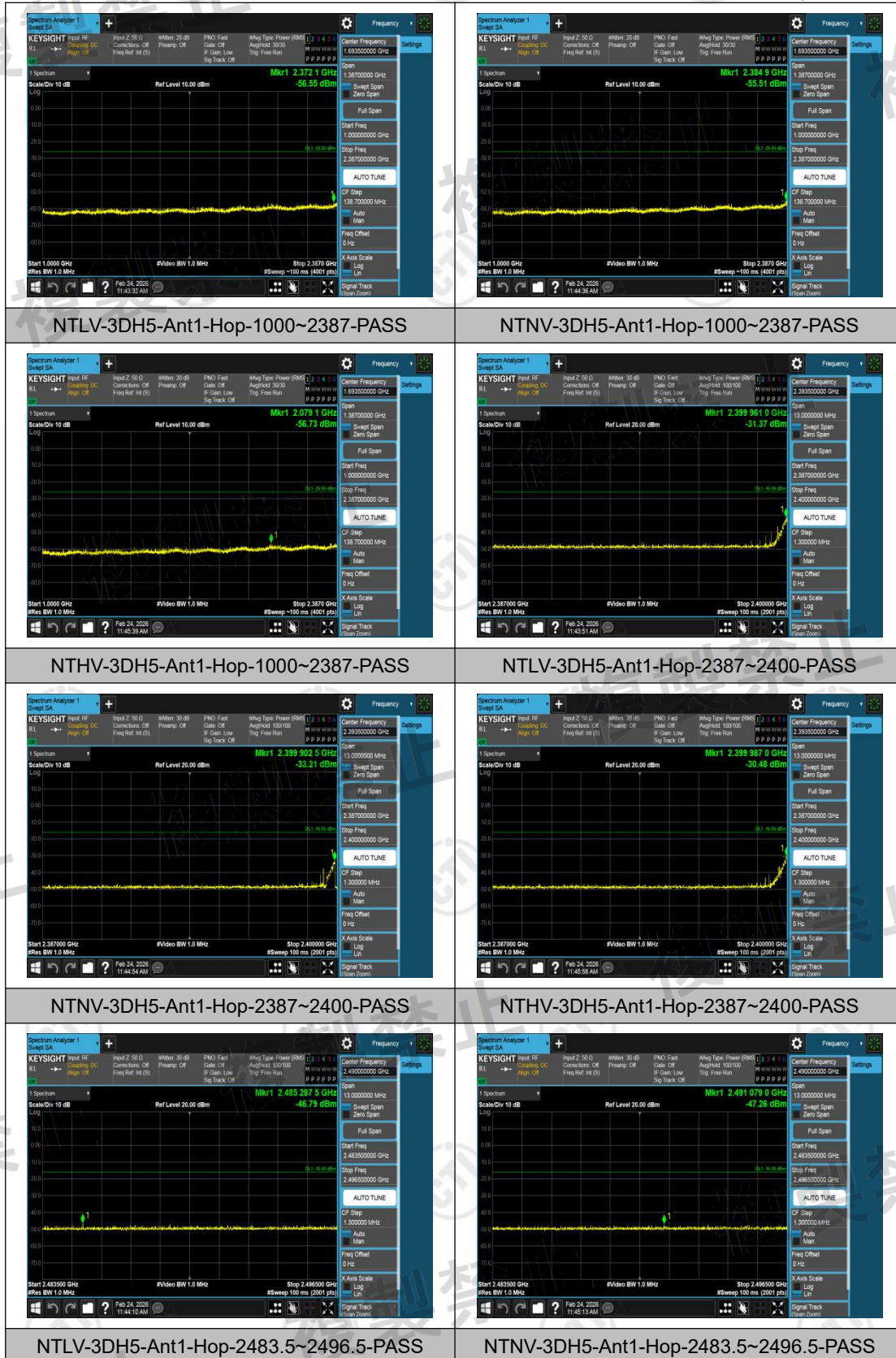
NTLV-3DH5-Ant1-Hop-30~1000-PASS

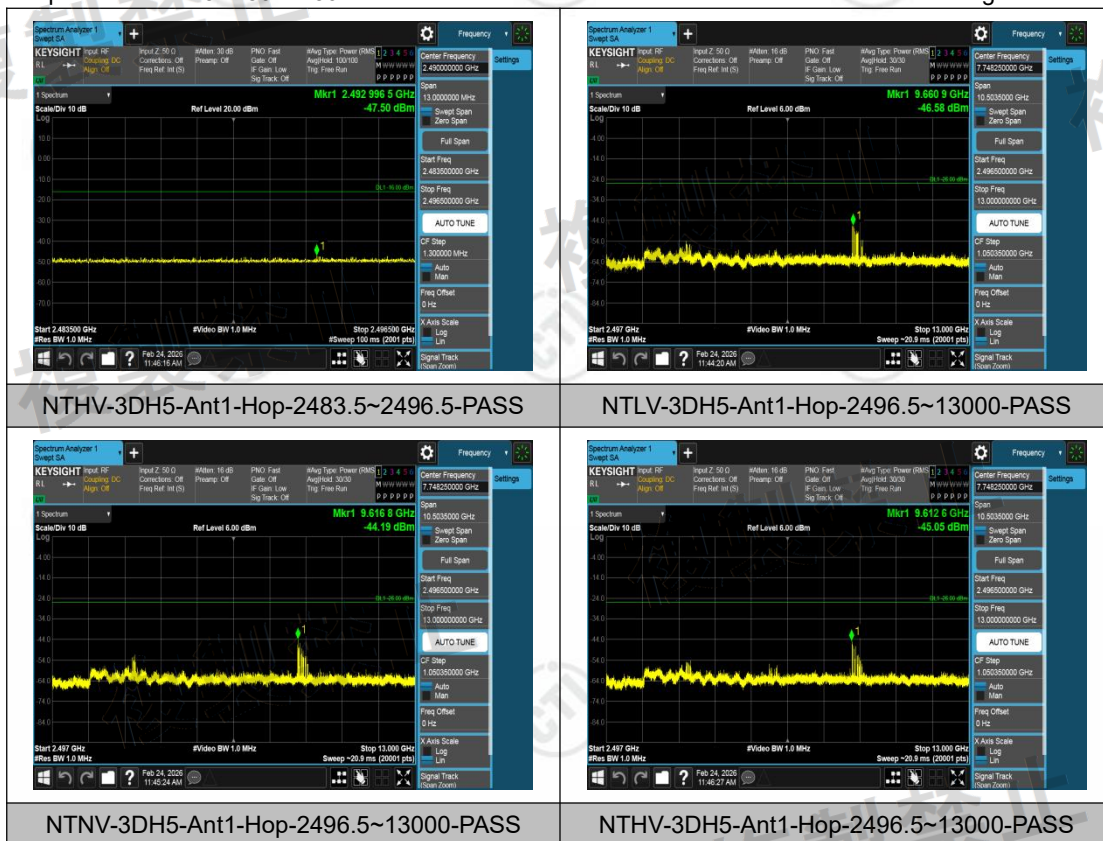


NTVN-3DH5-Ant1-Hop-30~1000-PASS



NTHV-3DH5-Ant1-Hop-30~1000-PASS





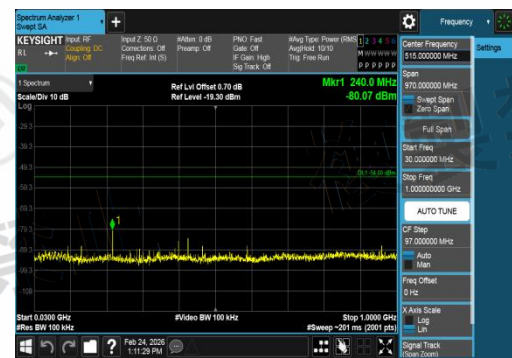
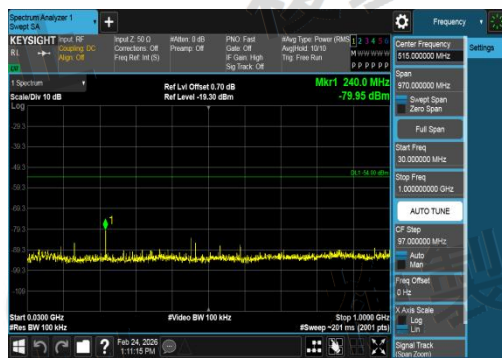
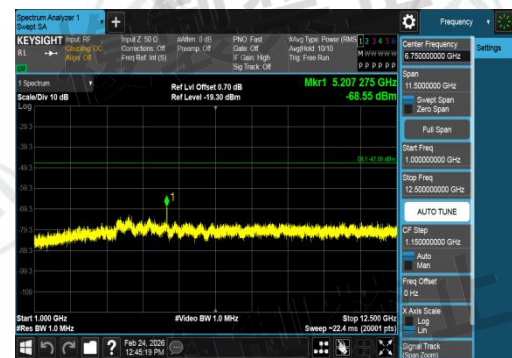
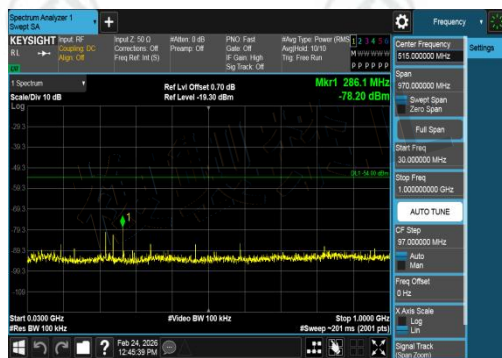
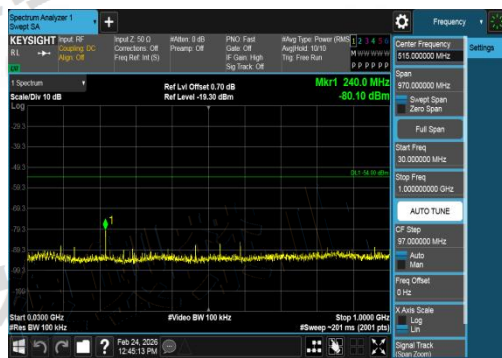
Appendix F: Secondary Radiated Emission Strength

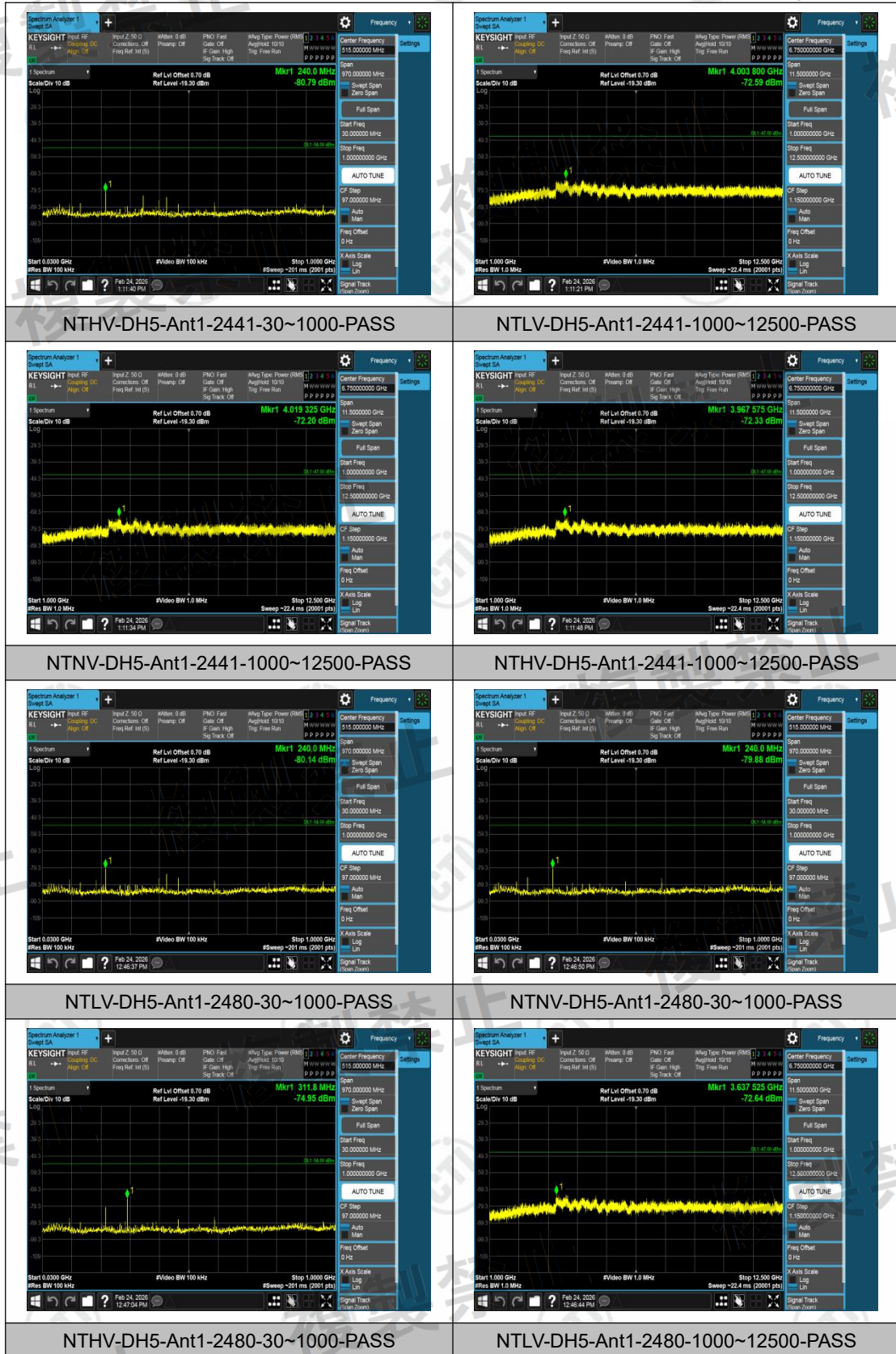
Test Result

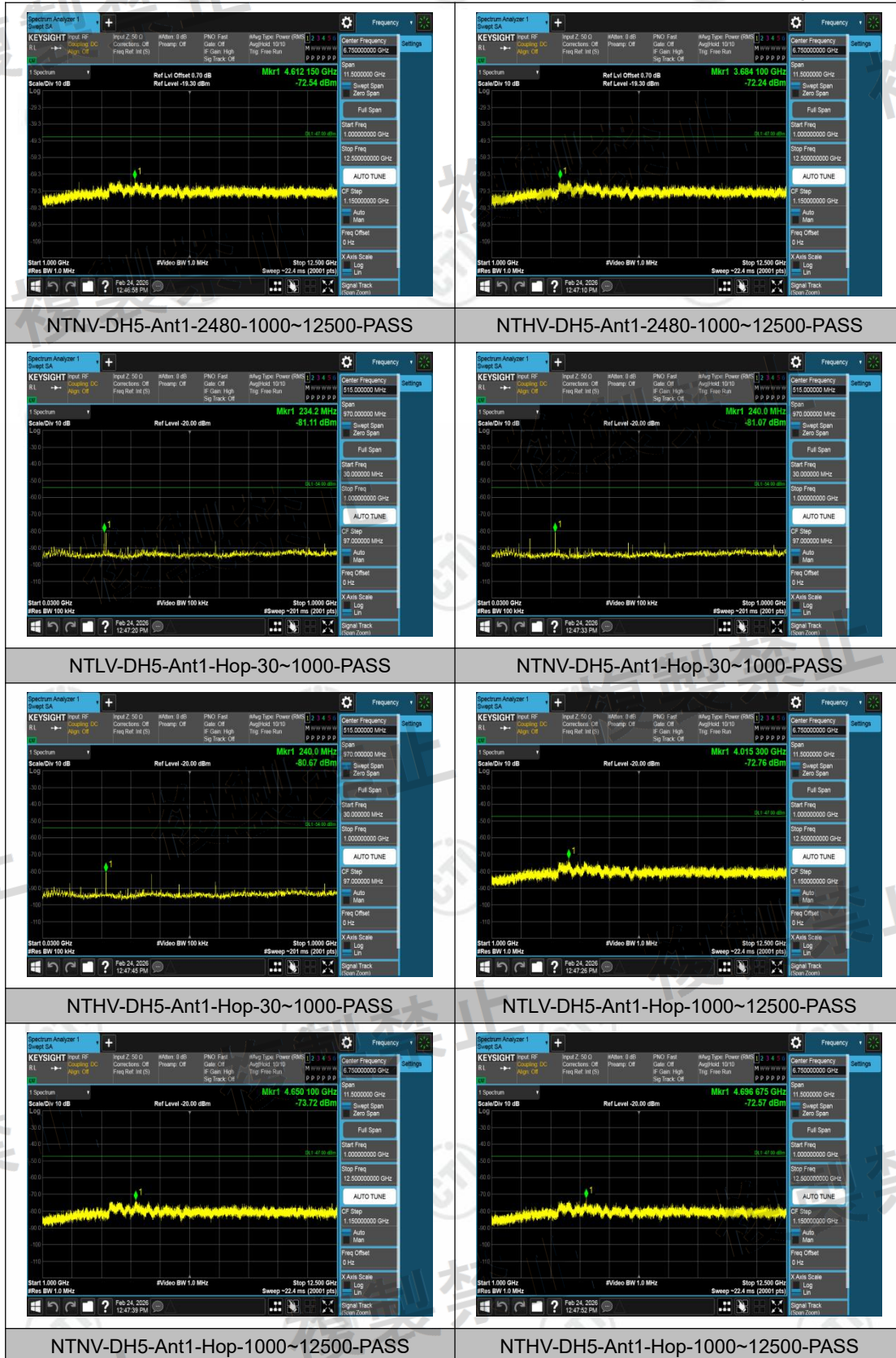
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Freq [MHz]	Result [dBm]	Result [nW]	Limit [nW]	Verdict
NTLV	DH5	Ant1	2402	30~1000	240.01	-80.10	0.00977	≤4	PASS
NTNV	DH5	Ant1	2402	30~1000	240.01	-79.84	0.01038	≤4	PASS
NTHV	DH5	Ant1	2402	30~1000	286.08	-78.20	0.01514	≤4	PASS
NTLV	DH5	Ant1	2402	1000~12500	5207.28	-68.55	0.13964	≤20	PASS
NTNV	DH5	Ant1	2402	1000~12500	4663.33	-72.38	0.05781	≤20	PASS
NTHV	DH5	Ant1	2402	1000~12500	4649.53	-71.53	0.07031	≤20	PASS
NTLV	DH5	Ant1	2441	30~1000	240.01	-79.95	0.01012	≤4	PASS
NTNV	DH5	Ant1	2441	30~1000	240.01	-80.07	0.00984	≤4	PASS
NTHV	DH5	Ant1	2441	30~1000	240.01	-80.79	0.00834	≤4	PASS
NTLV	DH5	Ant1	2441	1000~12500	4003.80	-72.59	0.05508	≤20	PASS
NTNV	DH5	Ant1	2441	1000~12500	4019.33	-72.20	0.06026	≤20	PASS
NTHV	DH5	Ant1	2441	1000~12500	3967.58	-72.33	0.05848	≤20	PASS
NTLV	DH5	Ant1	2480	30~1000	240.01	-80.14	0.00968	≤4	PASS
NTNV	DH5	Ant1	2480	30~1000	240.01	-79.88	0.01028	≤4	PASS
NTHV	DH5	Ant1	2480	30~1000	311.79	-74.95	0.03199	≤4	PASS
NTLV	DH5	Ant1	2480	1000~12500	3637.53	-72.64	0.05445	≤20	PASS
NTNV	DH5	Ant1	2480	1000~12500	4612.15	-72.54	0.05572	≤20	PASS
NTHV	DH5	Ant1	2480	1000~12500	3684.10	-72.24	0.05970	≤20	PASS
NTLV	DH5	Ant1	Hop	30~1000	234.19	-81.11	0.00774	≤4	PASS
NTNV	DH5	Ant1	Hop	30~1000	240.01	-81.07	0.00782	≤4	PASS
NTHV	DH5	Ant1	Hop	30~1000	240.01	-80.67	0.00857	≤4	PASS
NTLV	DH5	Ant1	Hop	1000~12500	4015.30	-72.76	0.05297	≤20	PASS
NTNV	DH5	Ant1	Hop	1000~12500	4650.10	-73.72	0.04246	≤20	PASS
NTHV	DH5	Ant1	Hop	1000~12500	4696.68	-72.57	0.05534	≤20	PASS
NTLV	2DH5	Ant1	2402	30~1000	286.08	-78.13	0.01538	≤4	PASS
NTNV	2DH5	Ant1	2402	30~1000	240.01	-79.27	0.01183	≤4	PASS
NTHV	2DH5	Ant1	2402	30~1000	240.01	-80.37	0.00918	≤4	PASS
NTLV	2DH5	Ant1	2402	1000~12500	2402.43	-71.37	0.07295	≤20	PASS
NTNV	2DH5	Ant1	2402	1000~12500	4652.98	-71.49	0.07096	≤20	PASS
NTHV	2DH5	Ant1	2402	1000~12500	4652.98	-73.02	0.04989	≤20	PASS
NTLV	2DH5	Ant1	2441	30~1000	240.01	-80.06	0.00986	≤4	PASS
NTNV	2DH5	Ant1	2441	30~1000	286.08	-77.73	0.01687	≤4	PASS
NTHV	2DH5	Ant1	2441	30~1000	240.01	-80.18	0.00959	≤4	PASS
NTLV	2DH5	Ant1	2441	1000~12500	4633.43	-72.11	0.06152	≤20	PASS
NTNV	2DH5	Ant1	2441	1000~12500	3688.13	-72.93	0.05093	≤20	PASS
NTHV	2DH5	Ant1	2441	1000~12500	3994.03	-72.42	0.05728	≤20	PASS

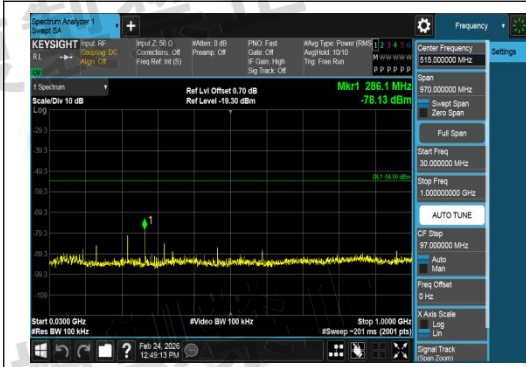
NTLV	2DH5	Ant1	2480	30~1000	240.01	-79.54	0.01112	≤4	PASS
NTNV	2DH5	Ant1	2480	30~1000	240.01	-80.15	0.00966	≤4	PASS
NTHV	2DH5	Ant1	2480	30~1000	240.01	-80.89	0.00815	≤4	PASS
NTLV	2DH5	Ant1	2480	1000~12500	2427.15	-67.54	0.17620	≤20	PASS
NTNV	2DH5	Ant1	2480	1000~12500	4018.75	-72.38	0.05781	≤20	PASS
NTHV	2DH5	Ant1	2480	1000~12500	3689.28	-72.24	0.05970	≤20	PASS
NTLV	2DH5	Ant1	Hop	30~1000	240.01	-80.86	0.00820	≤4	PASS
NTNV	2DH5	Ant1	Hop	30~1000	240.01	-81.10	0.00776	≤4	PASS
NTHV	2DH5	Ant1	Hop	30~1000	240.01	-81.08	0.00780	≤4	PASS
NTLV	2DH5	Ant1	Hop	1000~12500	4644.93	-73.16	0.04831	≤20	PASS
NTNV	2DH5	Ant1	Hop	1000~12500	4006.10	-73.05	0.04955	≤20	PASS
NTHV	2DH5	Ant1	Hop	1000~12500	4010.70	-73.07	0.04932	≤20	PASS
NTLV	3DH5	Ant1	2402	30~1000	286.08	-77.62	0.01730	≤4	PASS
NTNV	3DH5	Ant1	2402	30~1000	311.79	-74.45	0.03589	≤4	PASS
NTHV	3DH5	Ant1	2402	30~1000	234.19	-80.27	0.00940	≤4	PASS
NTLV	3DH5	Ant1	2402	1000~12500	3945.73	-73.14	0.04853	≤20	PASS
NTNV	3DH5	Ant1	2402	1000~12500	3648.45	-72.94	0.05082	≤20	PASS
NTHV	3DH5	Ant1	2402	1000~12500	4652.98	-72.56	0.05546	≤20	PASS
NTLV	3DH5	Ant1	2441	30~1000	240.01	-80.25	0.00944	≤4	PASS
NTNV	3DH5	Ant1	2441	30~1000	240.01	-80.19	0.00957	≤4	PASS
NTHV	3DH5	Ant1	2441	30~1000	234.19	-80.46	0.00899	≤4	PASS
NTLV	3DH5	Ant1	2441	1000~12500	4006.68	-73.24	0.04742	≤20	PASS
NTNV	3DH5	Ant1	2441	1000~12500	4661.60	-72.83	0.05212	≤20	PASS
NTHV	3DH5	Ant1	2441	1000~12500	4688.05	-72.19	0.06039	≤20	PASS
NTLV	3DH5	Ant1	2480	30~1000	286.08	-77.73	0.01687	≤4	PASS
NTNV	3DH5	Ant1	2480	30~1000	240.01	-80.08	0.00982	≤4	PASS
NTHV	3DH5	Ant1	2480	30~1000	311.79	-74.18	0.03819	≤4	PASS
NTLV	3DH5	Ant1	2480	1000~12500	3640.98	-72.53	0.05585	≤20	PASS
NTNV	3DH5	Ant1	2480	1000~12500	4617.90	-72.11	0.06152	≤20	PASS
NTHV	3DH5	Ant1	2480	1000~12500	4008.40	-72.48	0.05649	≤20	PASS
NTLV	3DH5	Ant1	Hop	30~1000	240.01	-80.94	0.00805	≤4	PASS
NTNV	3DH5	Ant1	Hop	30~1000	286.08	-78.65	0.01365	≤4	PASS
NTHV	3DH5	Ant1	Hop	30~1000	240.01	-80.56	0.00879	≤4	PASS
NTLV	3DH5	Ant1	Hop	1000~12500	4026.23	-72.18	0.06053	≤20	PASS
NTNV	3DH5	Ant1	Hop	1000~12500	4033.70	-73.06	0.04943	≤20	PASS
NTHV	3DH5	Ant1	Hop	1000~12500	5092.28	-72.28	0.05916	≤20	PASS

Test Graphs



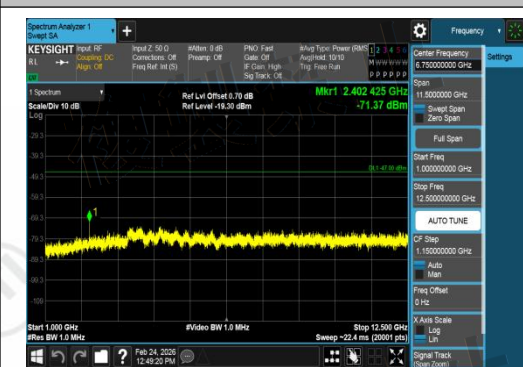






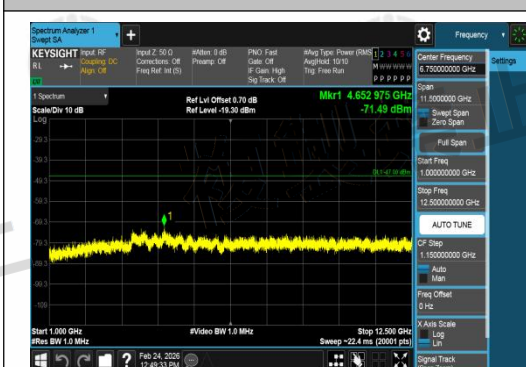
NTLV-2DH5-Ant1-2402-30~1000-PASS

NNTV-2DH5-Ant1-2402-30~1000-PASS



NTHV-2DH5-Ant1-2402-30~1000-PASS

NTLV-2DH5-Ant1-2402-1000~12500-PASS



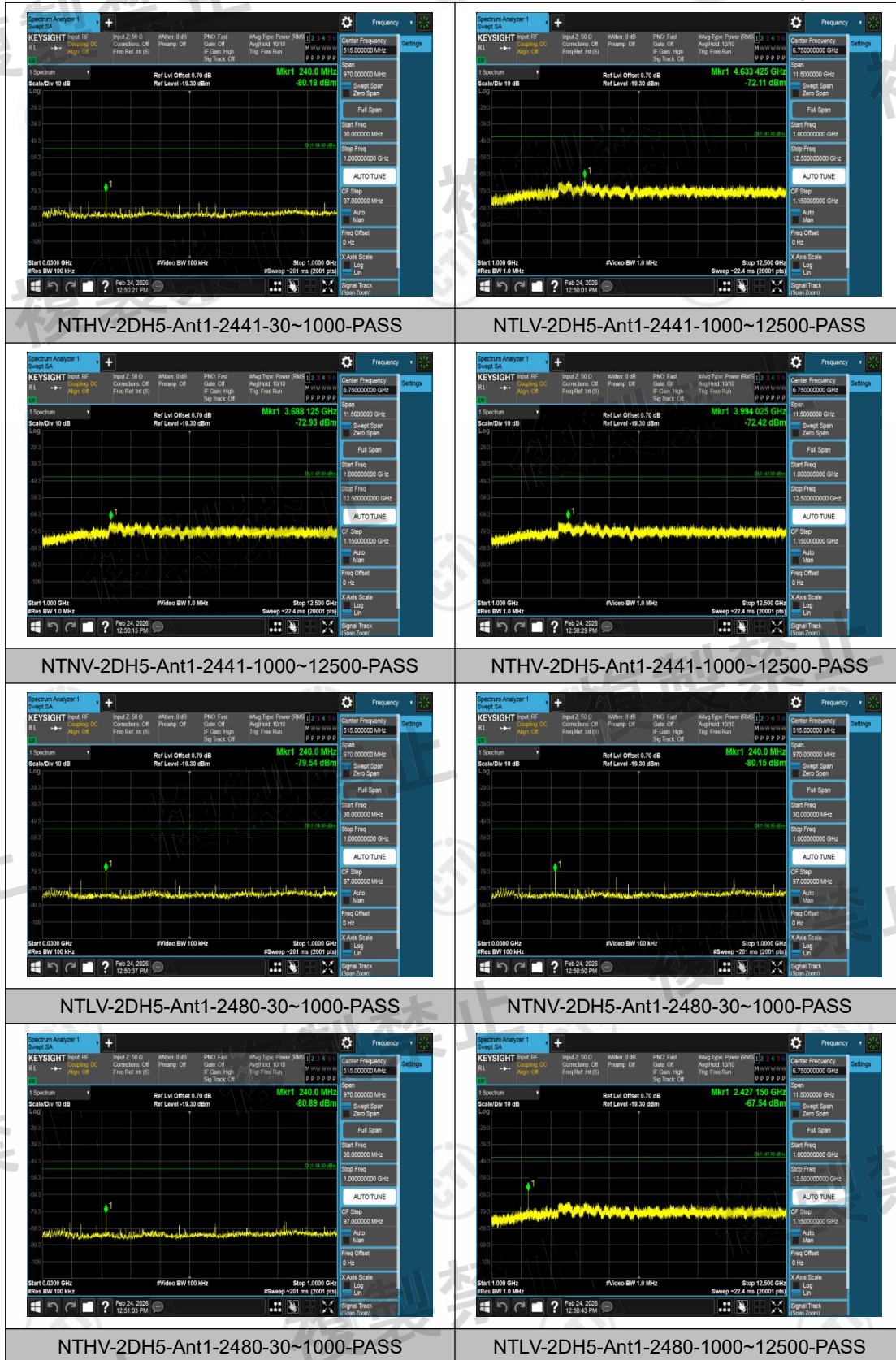
NNTV-2DH5-Ant1-2402-1000~12500-PASS

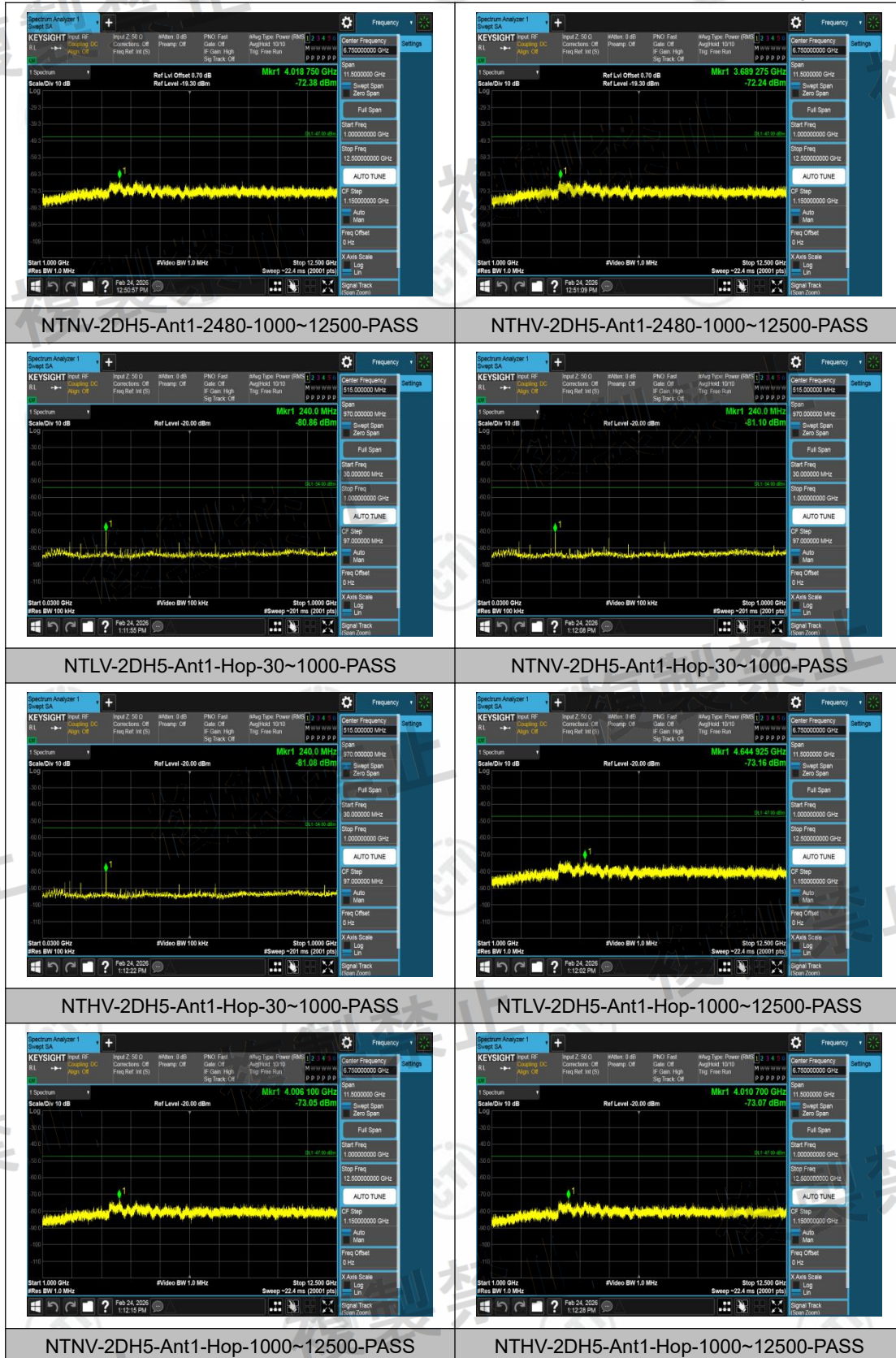
NTHV-2DH5-Ant1-2402-1000~12500-PASS

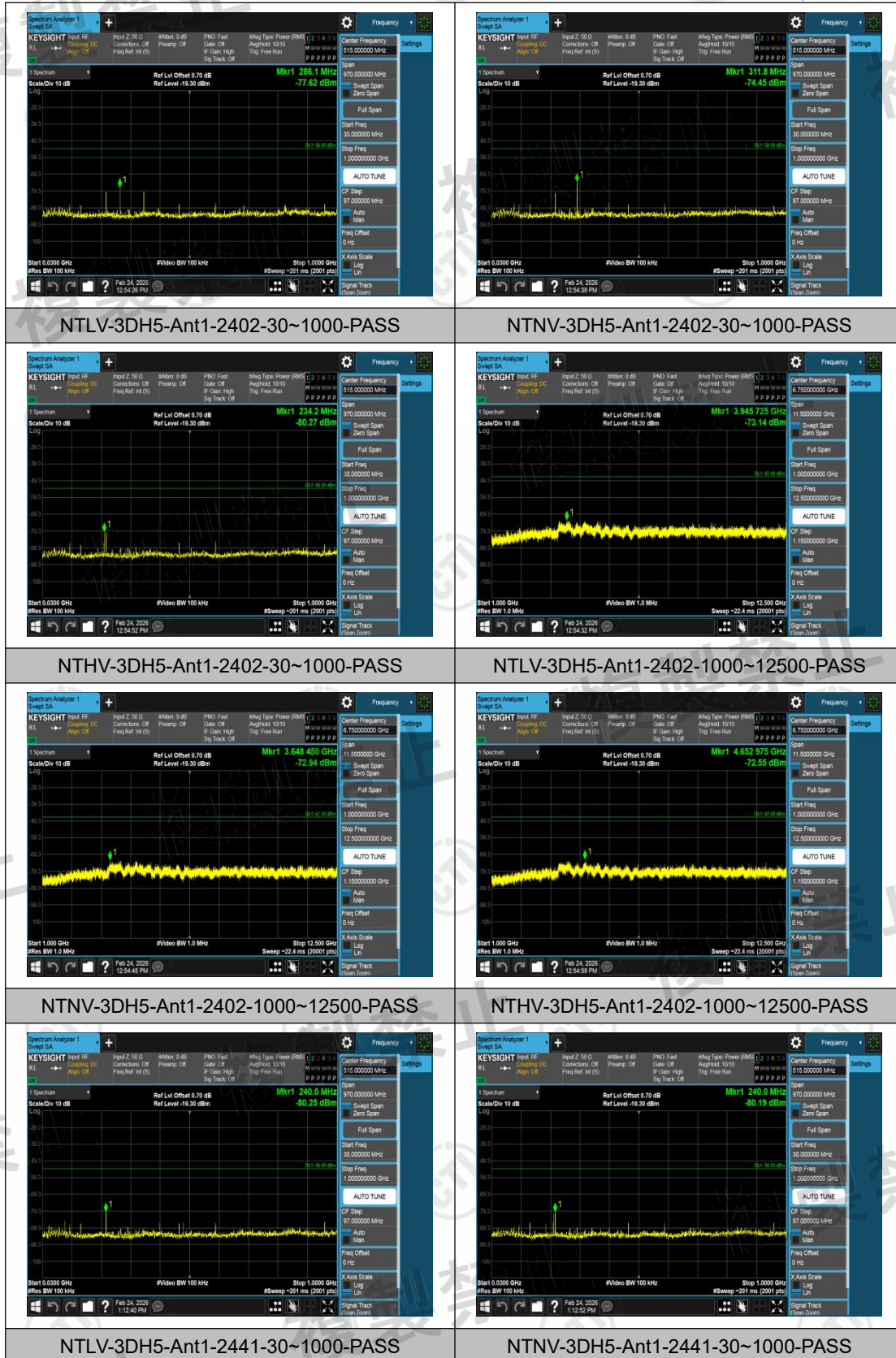


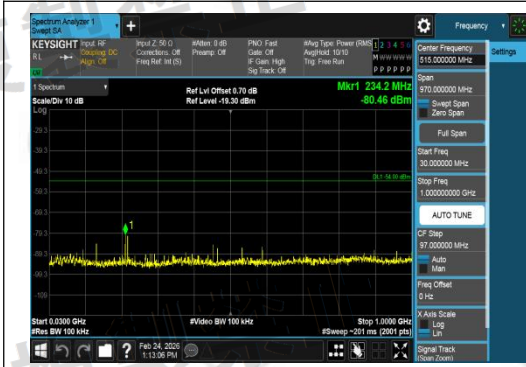
NTLV-2DH5-Ant1-2441-30~1000-PASS

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









NTHV-3DH5-Ant1-2441-30~1000-PASS



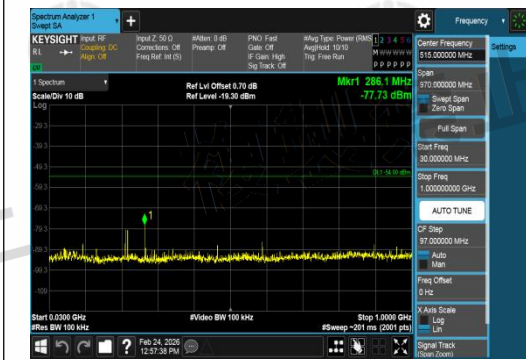
NTLV-3DH5-Ant1-2441-1000~12500-PASS



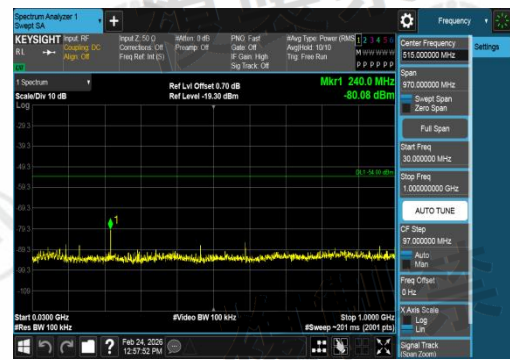
NNTV-3DH5-Ant1-2441-1000~12500-PASS



NTHV-3DH5-Ant1-2441-1000~12500-PASS



NTLV-3DH5-Ant1-2480-30~1000-PASS



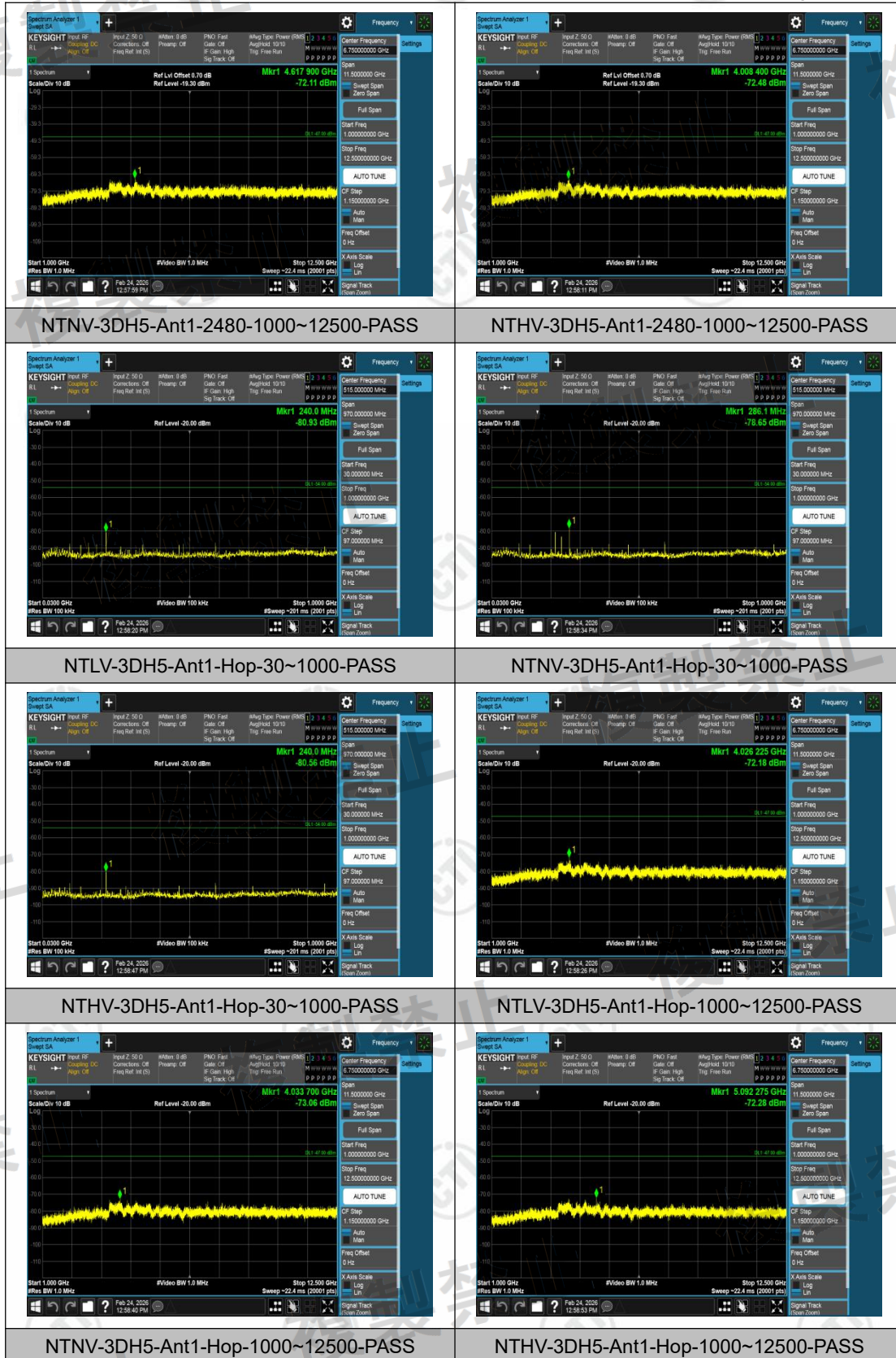
NNTV-3DH5-Ant1-2480-30~1000-PASS



NTHV-3DH5-Ant1-2480-30~1000-PASS



NTLV-3DH5-Ant1-2480-1000~12500-PASS



Appendix G: Dwell Time

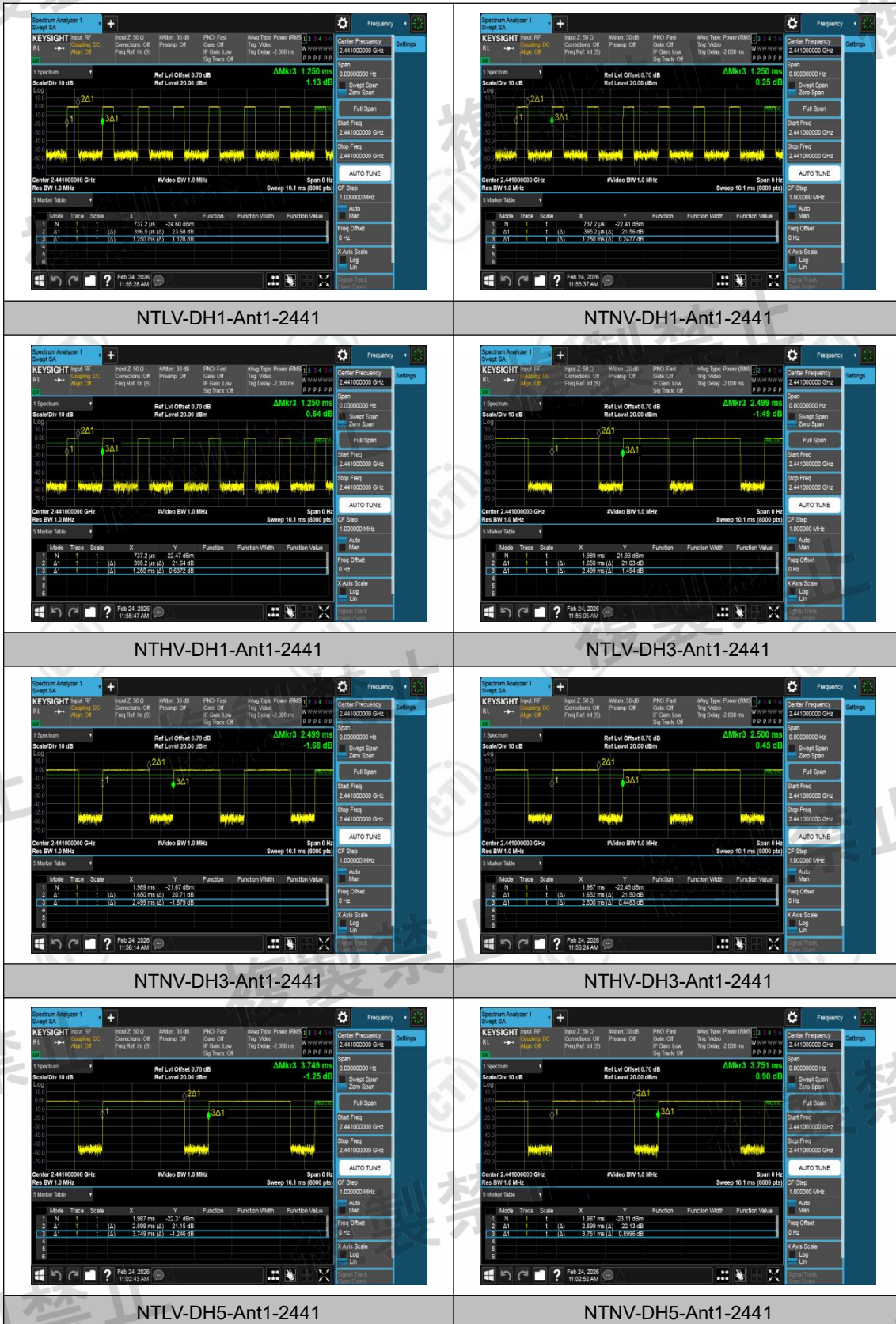
Test Result

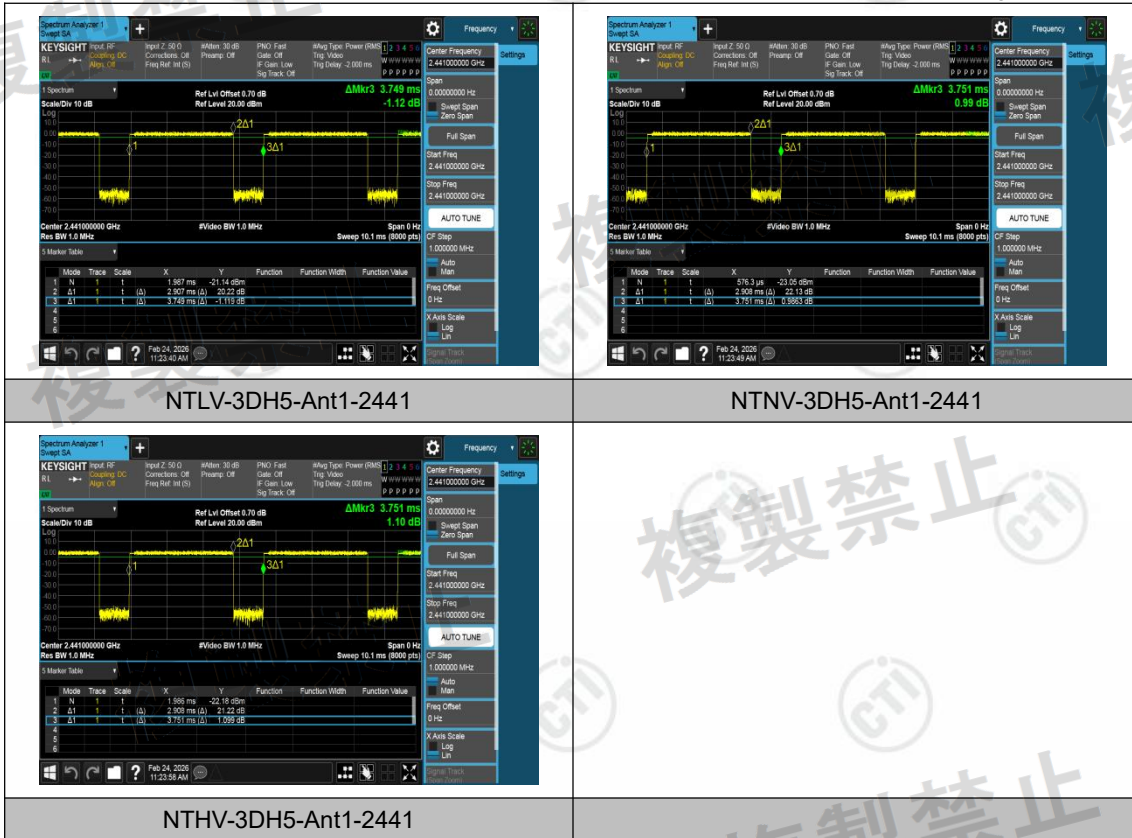
Condition	Mode	Frequency (MHz)	Antenna	T_on(ms)	Period(ms)	Spreading Rate	Hop Number	Dwell Time (ms)	Limit (ms)	Verdict
NTNV	DH1	Ant1	2441	0.4	1.25	70.411	79	114.08	400	Pass
NTNV	DH3	Ant1	2441	0.4	1.25	70.271	79	113.86	400	Pass
NTNV	DH5	Ant1	2441	0.4	1.25	70.374	79	114.02	400	Pass
NTNV	2DH1	Ant1	2441	1.65	2.5	70.394	79	235.24	400	Pass
NTNV	2DH3	Ant1	2441	1.65	2.5	70.391	79	235.23	400	Pass
NTNV	2DH5	Ant1	2441	1.65	2.5	70.439	79	235.39	400	Pass
NTNV	3DH1	Ant1	2441	2.9	3.75	70.414	79	275.71	400	Pass
NTNV	3DH3	Ant1	2441	2.9	3.75	70.47	79	275.93	400	Pass
NTNV	3DH5	Ant1	2441	2.9	3.75	70.421	79	275.74	400	Pass
NVNT	2-DH1	2441	Ant1	0.41	1.25	70.366	79	116.86	400	Pass
LVNT	2-DH1	2441	Ant1	0.41	1.25	70.831	79	117.63	400	Pass
HVNT	2-DH1	2441	Ant1	0.41	1.25	70.354	79	116.84	400	Pass
NVNT	2-DH3	2441	Ant1	1.66	2.5	70.411	79	236.72	400	Pass
LVNT	2-DH3	2441	Ant1	1.66	2.5	70.67	79	237.59	400	Pass
HVNT	2-DH3	2441	Ant1	1.66	2.5	70.661	79	237.56	400	Pass
NVNT	2-DH5	2441	Ant1	2.91	3.75	70.752	79	277.99	400	Pass
LVNT	2-DH5	2441	Ant1	2.9	3.75	70.551	79	276.25	400	Pass
HVNT	2-DH5	2441	Ant1	2.9	3.75	70.743	79	277.00	400	Pass
NVNT	3-DH1	2441	Ant1	0.41	1.25	70.696	79	117.41	400	Pass
LVNT	3-DH1	2441	Ant1	0.41	1.25	70.667	79	117.36	400	Pass
HVNT	3-DH1	2441	Ant1	0.41	1.25	70.844	79	117.65	400	Pass
NVNT	3-DH3	2441	Ant1	1.66	2.5	70.507	79	237.05	400	Pass
LVNT	3-DH3	2441	Ant1	1.66	2.5	70.751	79	237.87	400	Pass
HVNT	3-DH3	2441	Ant1	1.66	2.5	70.498	79	237.02	400	Pass
NVNT	3-DH5	2441	Ant1	2.91	3.75	70.636	79	277.54	400	Pass
LVNT	3-DH5	2441	Ant1	2.91	3.75	70.66	79	277.63	400	Pass
HVNT	3-DH5	2441	Ant1	2.91	3.75	70.428	79	276.72	400	Pass

Dwell time=(0.4(s)*[Spreading rate]*[Transmission time of 1 burst(s)])/([Burst cycle(s)]*[No. of hopping channel]);

Note: Spreading rate=[Spread bandwidth(actual measurement value)]/[Transmission rate];

Test Graphs





*** End of Report ***