

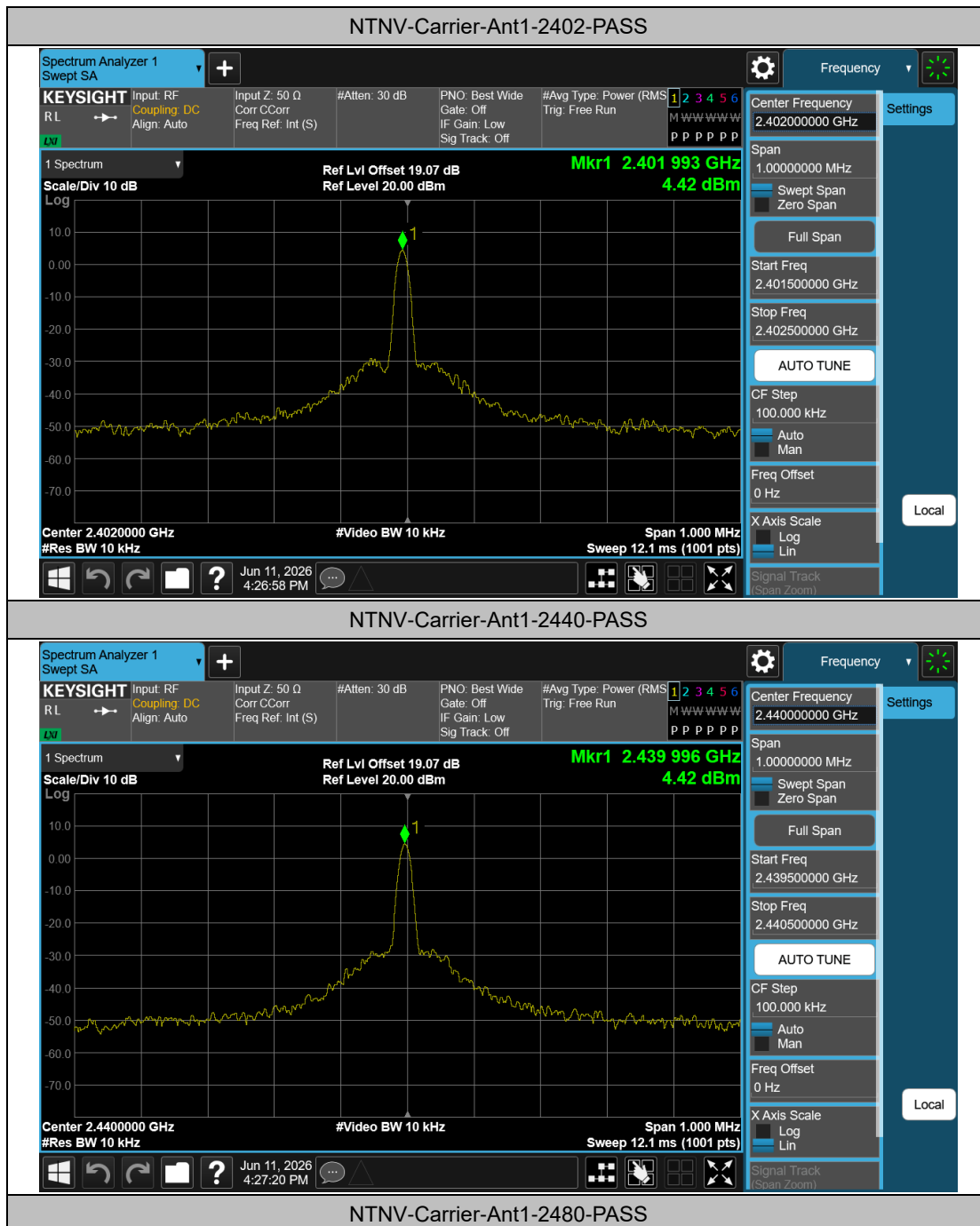


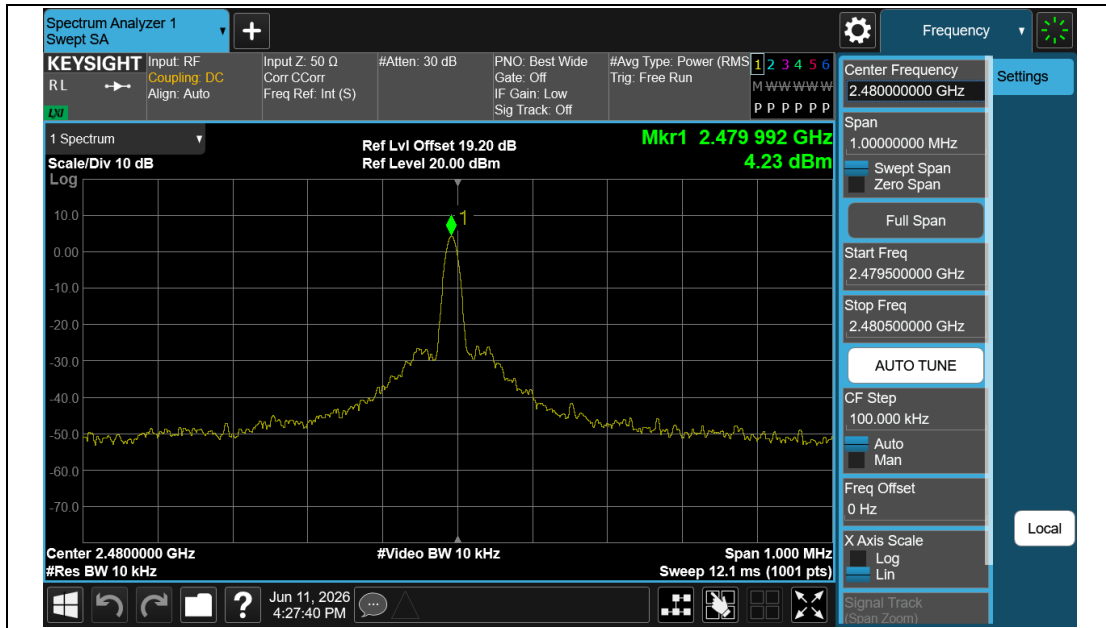
Appendix A: Frequency Error

Test Result

Test Condition	Test Mode	Antenna	Freq (MHz)	Center Freq [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	Carrier	Ant1	2402	2401.993	-2.91424	±50	PASS
NTNV	Carrier	Ant1	2440	2439.996	-1.63934	±50	PASS
NTNV	Carrier	Ant1	2480	2479.992	-3.22581	±50	PASS

Test Graphs





Appendix B: Antenna Power

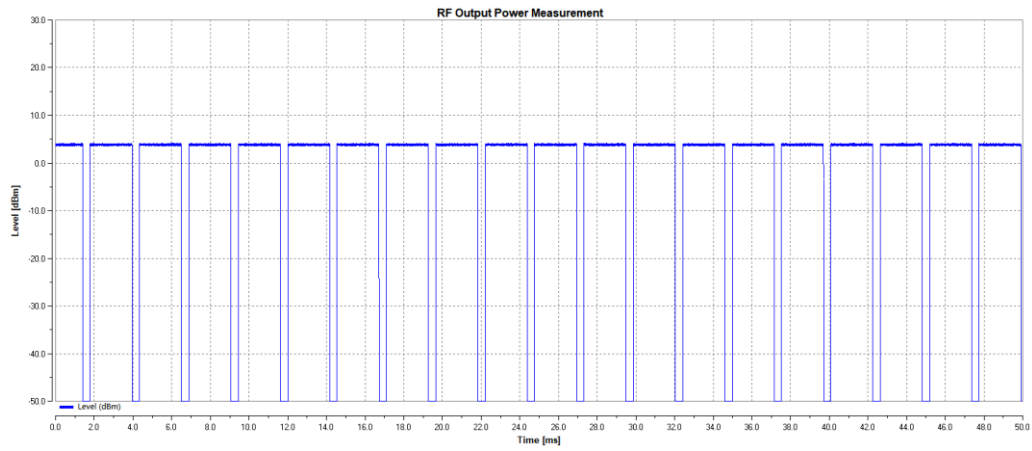
Test Result

Antenna Power							
Test Condition	Test Mode	Antenna	Freq (MHz)	Result(dBm)	Result(mW)	Limit(mW)	Verdict
NTNV	BLE_1M	Ant1	2402	3.92	2.4660	≤10	PASS
NTNV	BLE_1M	Ant1	2440	3.84	2.4210	≤10	PASS
NTNV	BLE_1M	Ant1	2480	3.68	2.3335	≤10	PASS
NTNV	BLE_2M	Ant1	2402	2.89	1.9454	≤10	PASS
NTNV	BLE_2M	Ant1	2440	2.79	1.9011	≤10	PASS
NTNV	BLE_2M	Ant1	2480	2.60	1.8197	≤10	PASS

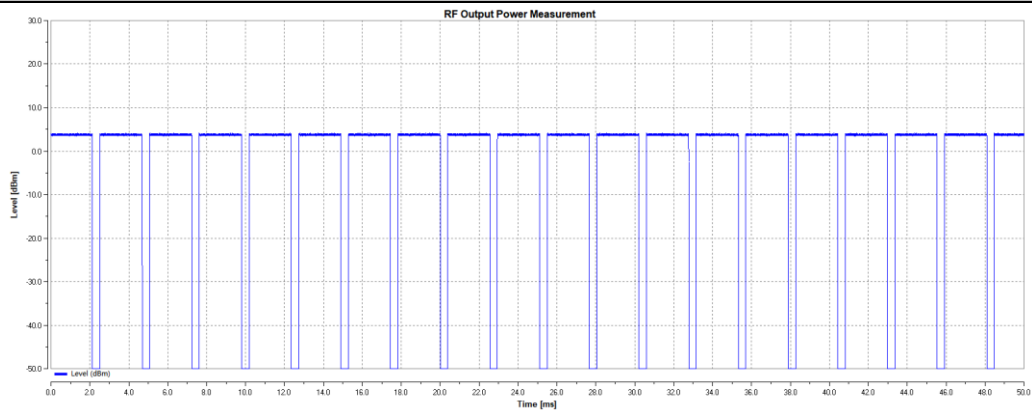
Tolerance								
Test Condition	Test Mode	Antenna	Freq (MHz)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTNV	BLE_1M	Ant1	2402	2.4660	3	-17.80	+20	PASS
NTNV	BLE_1M	Ant1	2440	2.4210	3	-19.30	+20	PASS
NTNV	BLE_1M	Ant1	2480	2.3335	3	-22.22	+20	PASS
NTNV	BLE_2M	Ant1	2402	1.9454	3	-35.15	+20	PASS
NTNV	BLE_2M	Ant1	2440	1.9011	3	-36.63	+20	PASS
NTNV	BLE_2M	Ant1	2480	1.8197	3	-39.34	+20	PASS

Test Result

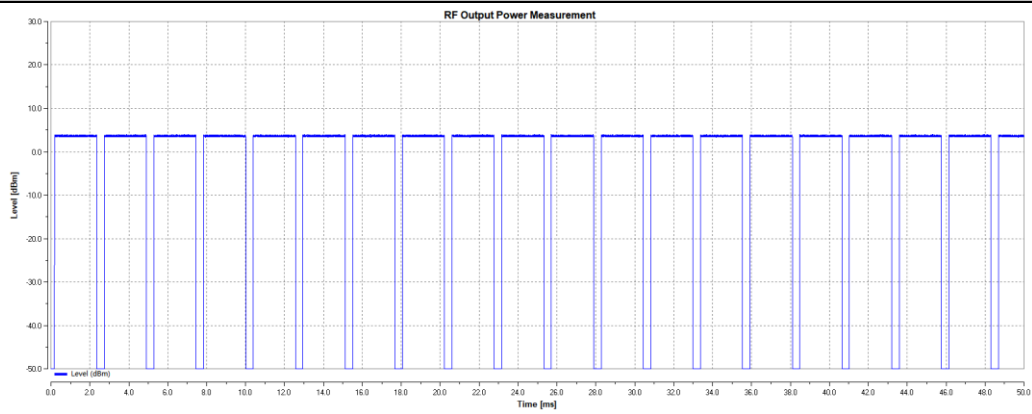
NTNV-BLE_1M-Ant1-2402-PASS



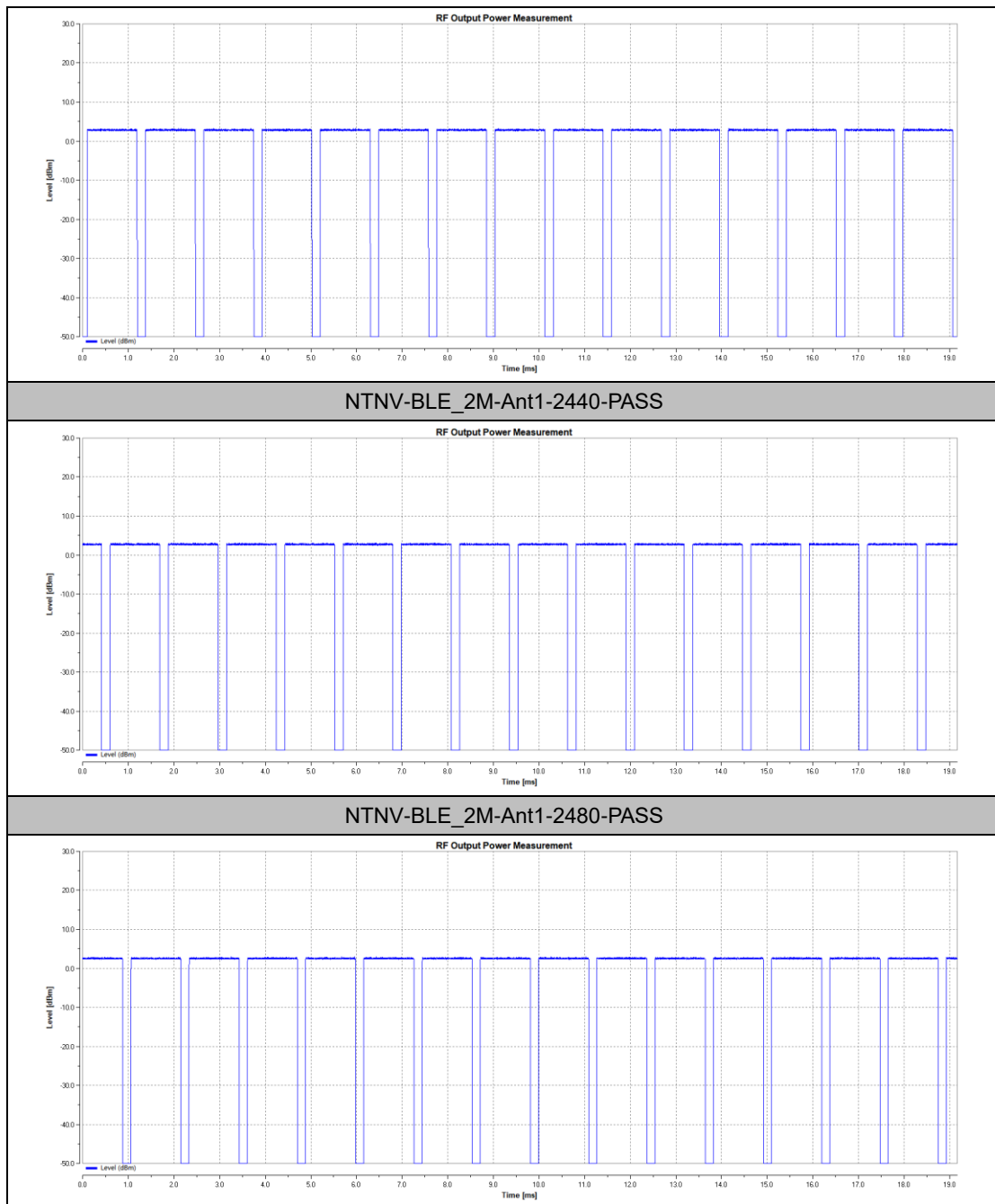
NTNV-BLE_1M-Ant1-2440-PASS



NTNV-BLE_1M-Ant1-2480-PASS



NTNV-BLE_2M-Ant1-2402-PASS



Appendix C: Occupied Bandwidth

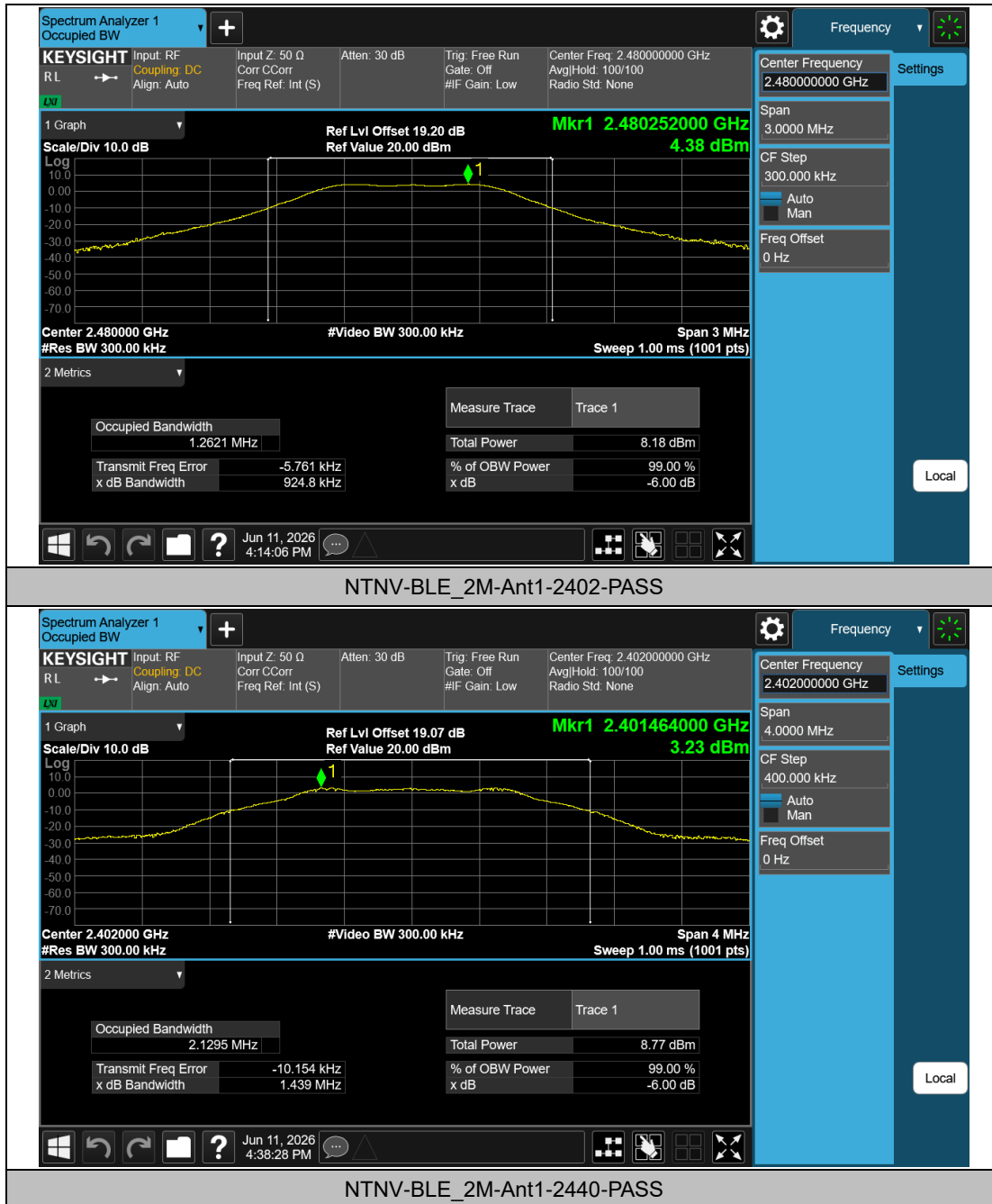
Test Result

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.262	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.263	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.262	≤26	PASS
NTNV	BLE_2M	Ant1	2402	2.130	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.133	≤26	PASS
NTNV	BLE_2M	Ant1	2480	2.133	≤26	PASS



Test Graphs







Appendix D: Spurious Emission of TX

Test Result

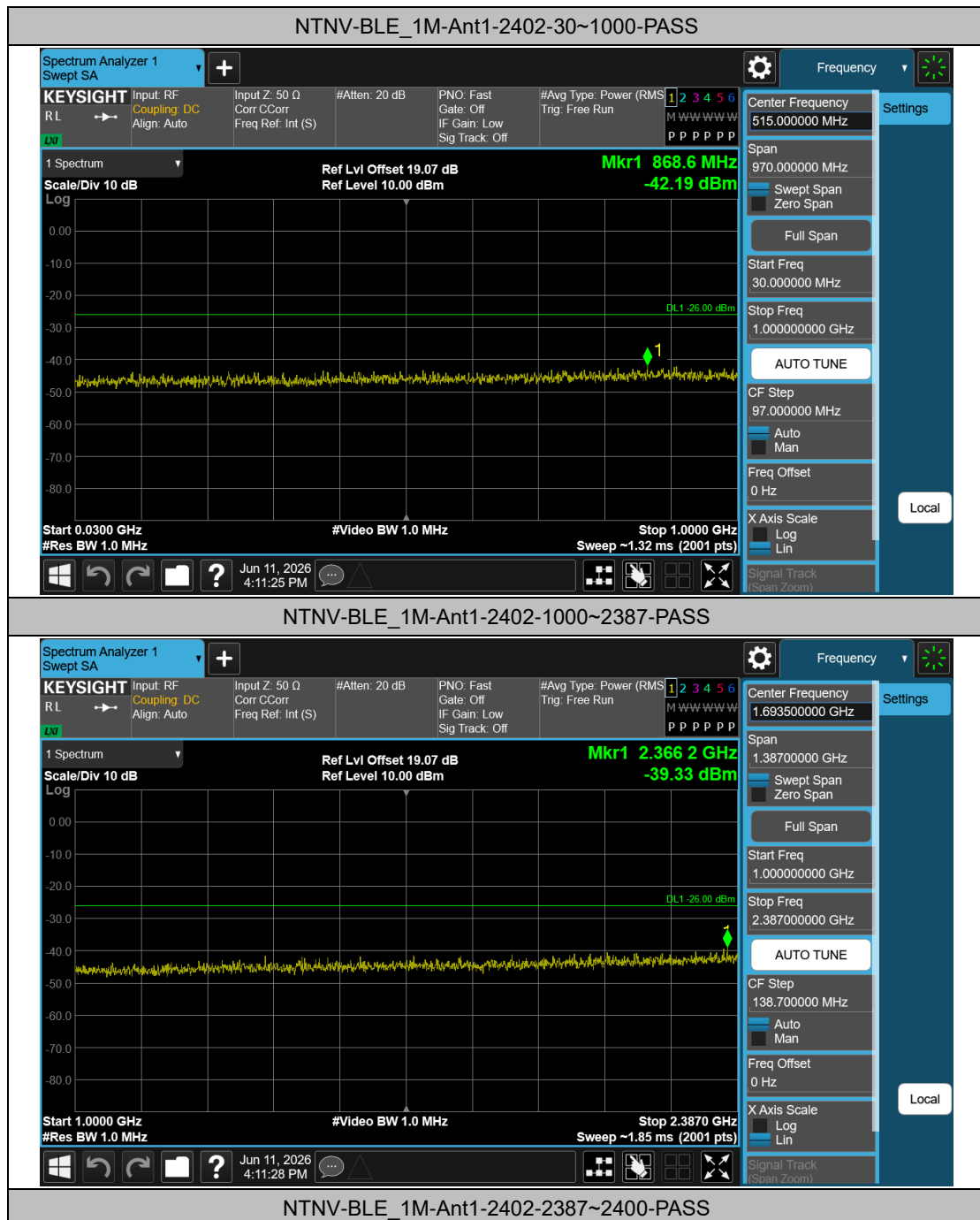
Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	868.57	-42.19	≤-26	0.06039	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	2366.20	-39.33	≤-26	0.11668	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	2399.99	-30.40	≤-16	0.91201	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	2485.11	-40.47	≤-16	0.08974	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~12750	3821.25	-35.36	≤-26	0.29107	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	901.55	-42.15	≤-26	0.06095	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	2315.57	-40.58	≤-26	0.08750	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	2390.38	-41.09	≤-16	0.07780	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	2487.74	-40.06	≤-16	0.09863	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~12750	3783.31	-35.72	≤-26	0.26792	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	779.33	-41.64	≤-26	0.06855	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	1000~2387	2348.16	-38.86	≤-26	0.13002	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	2393.13	-41.01	≤-16	0.07925	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	2484.71	-38.58	≤-16	0.13868	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~12750	3774.09	-35.39	≤-26	0.28907	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	938.89	-41.95	≤-26	0.06383	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	1000~2387	2321.12	-39.85	≤-26	0.10351	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	2387~2400	2400	-18.81	≤-16	13.15225	≤25	See table below
NTNV	BLE_2M	Ant1	2402	2483.5~2496.5	2493.61	-40.78	≤-16	0.08356	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2496.5~12750	3884.82	-36.27	≤-26	0.23605	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	828.31	-41.49	≤-26	0.07096	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	2339.15	-39.94	≤-26	0.10139	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	2396.92	-40.32	≤-16	0.09290	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	2484.04	-40.28	≤-16	0.09376	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~12750	3733.07	-35.30	≤-26	0.29512	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	871.96	-41.84	≤-26	0.06546	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	1000~2387	2307.25	-40.41	≤-26	0.09099	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	2387~2400	2397.41	-40.34	≤-16	0.09247	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.88	-40.04	≤-16	0.09908	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2496.5~12750	3924.81	-35.35	≤-26	0.29174	≤2.5	PASS

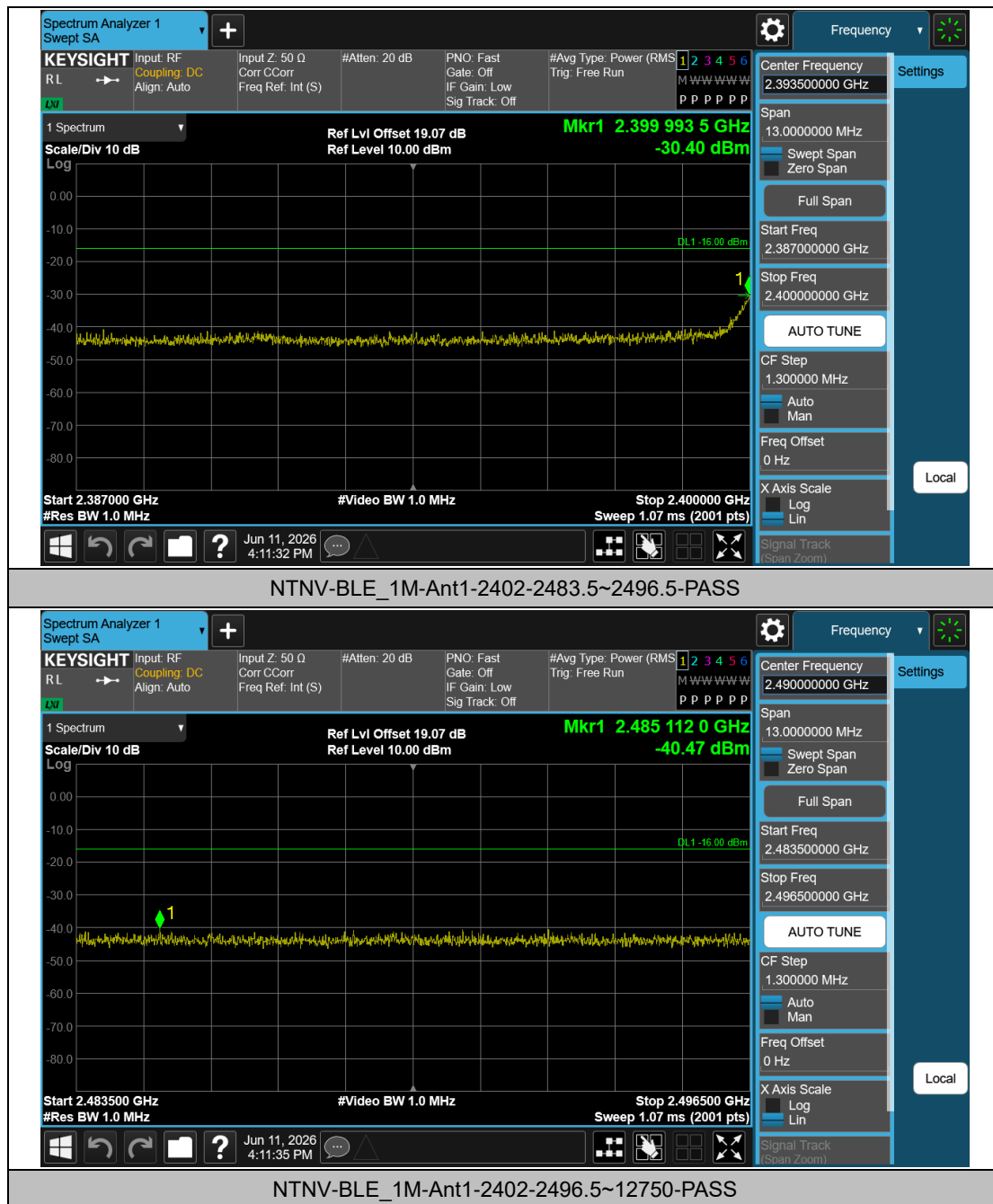
**Test Result_Step2**

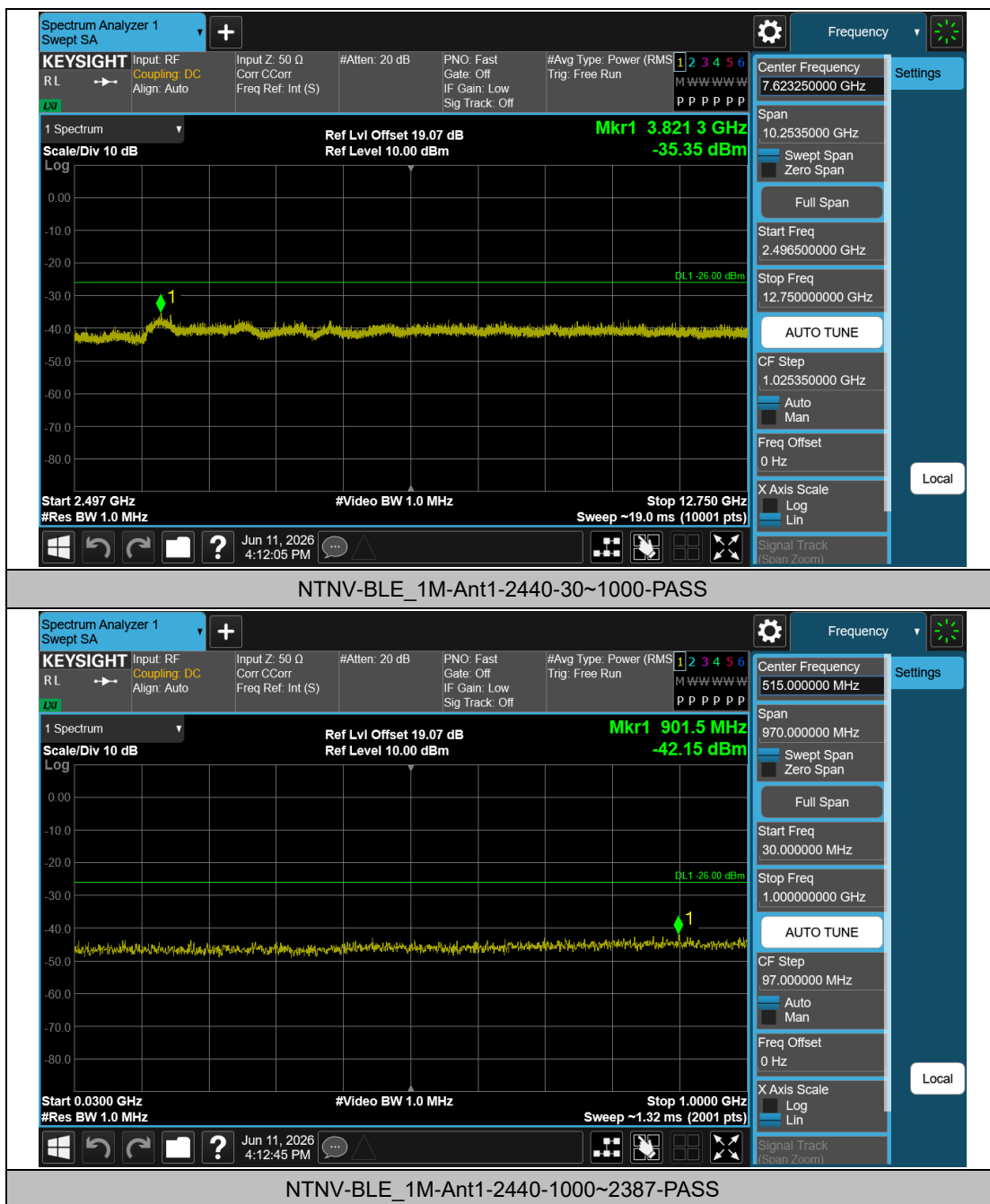
Test Condition	Test Mode	Antenna	Freq (MHz)	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTNV	BLE_2M	Ant1	2402	2400.00	-23.23	≤ -16	4.75335	≤ 25	PASS

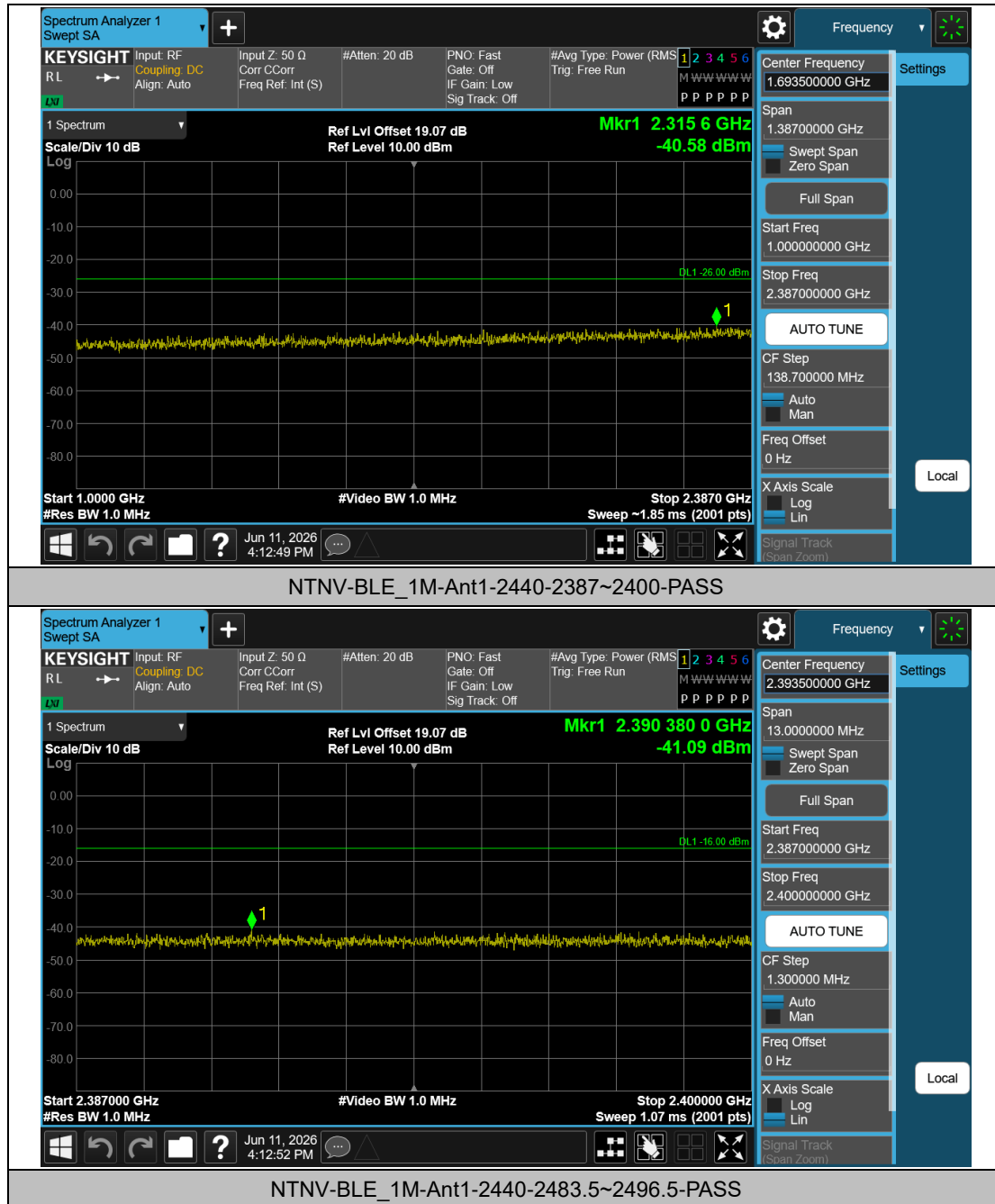


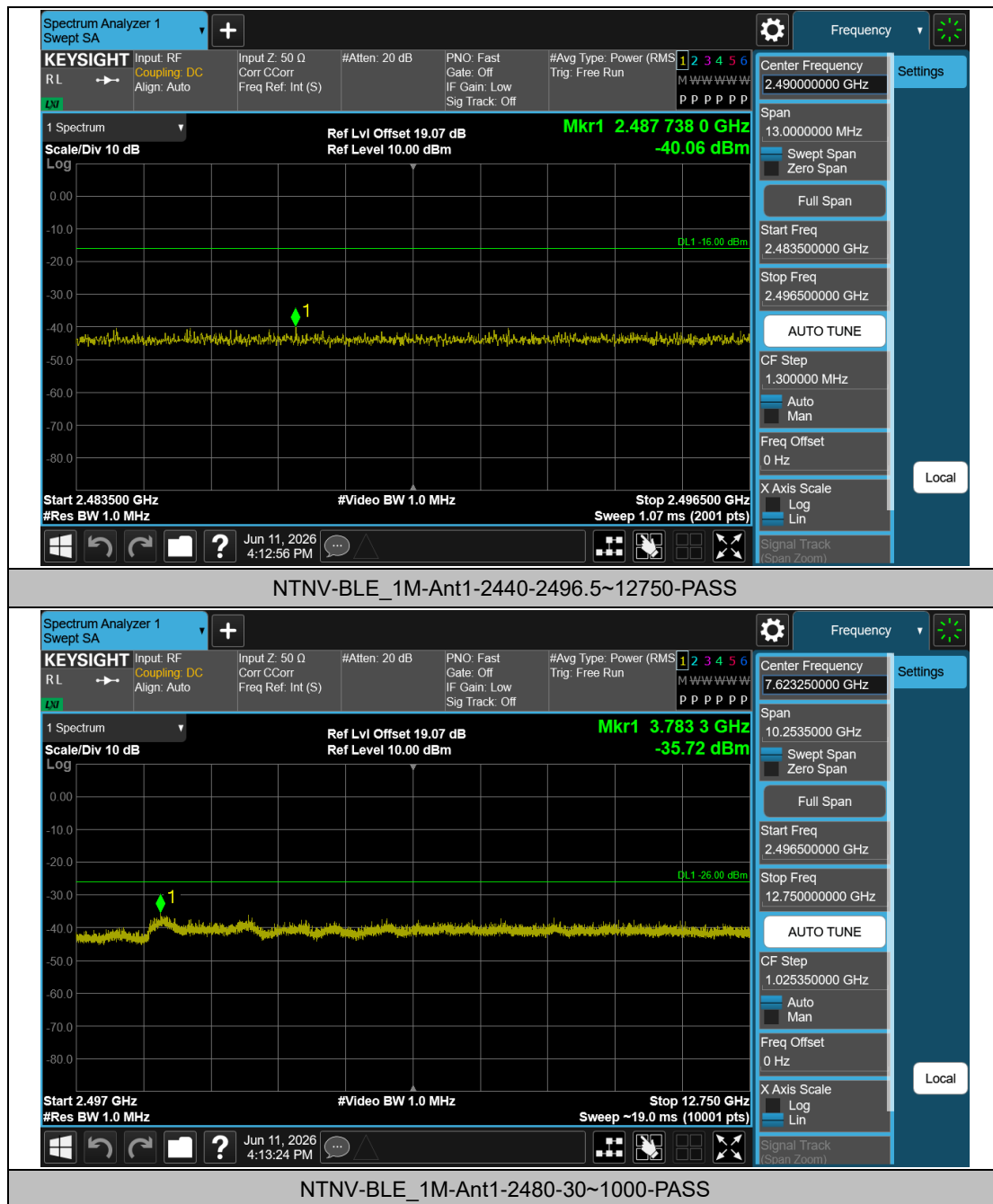
Test Graphs

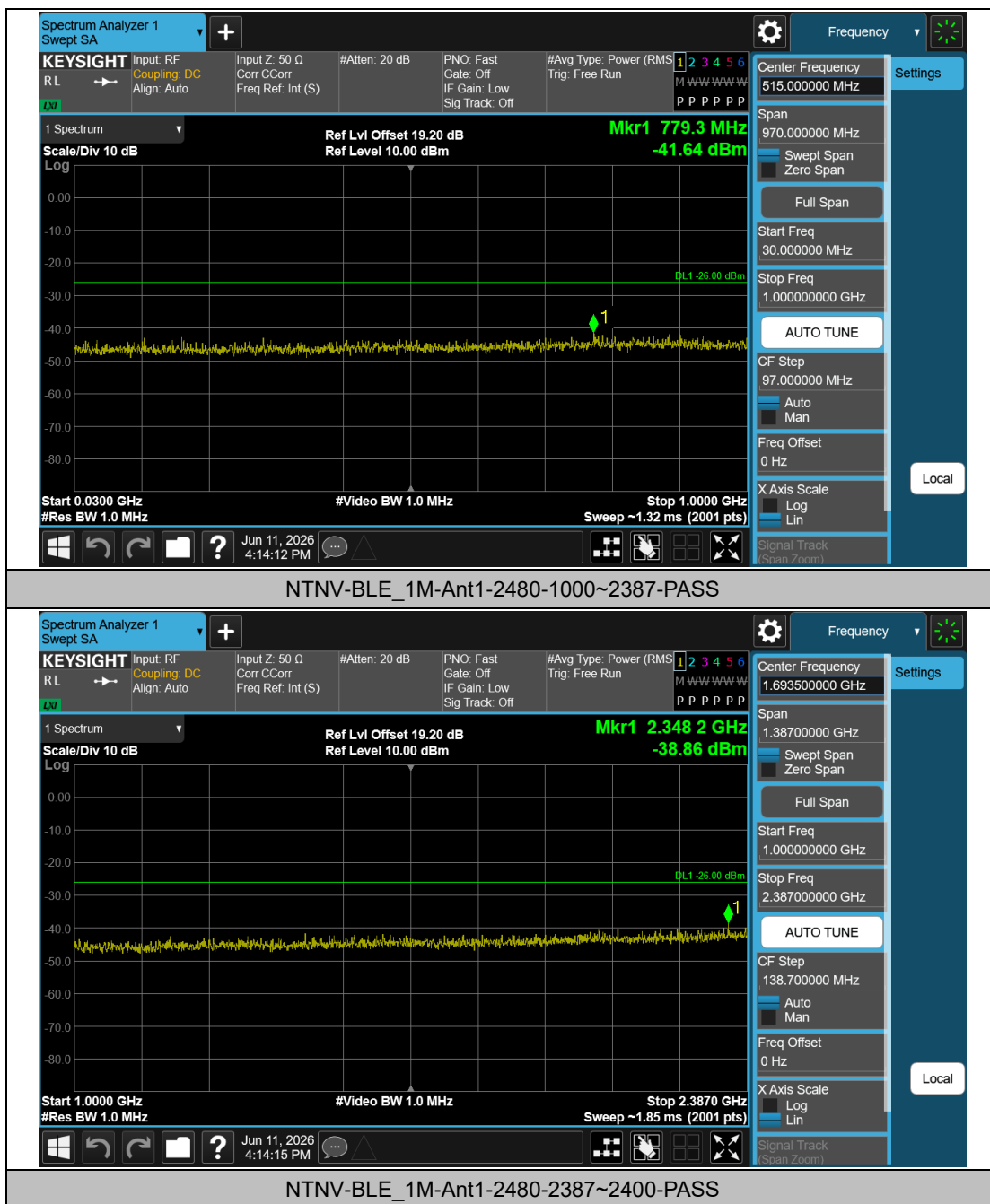


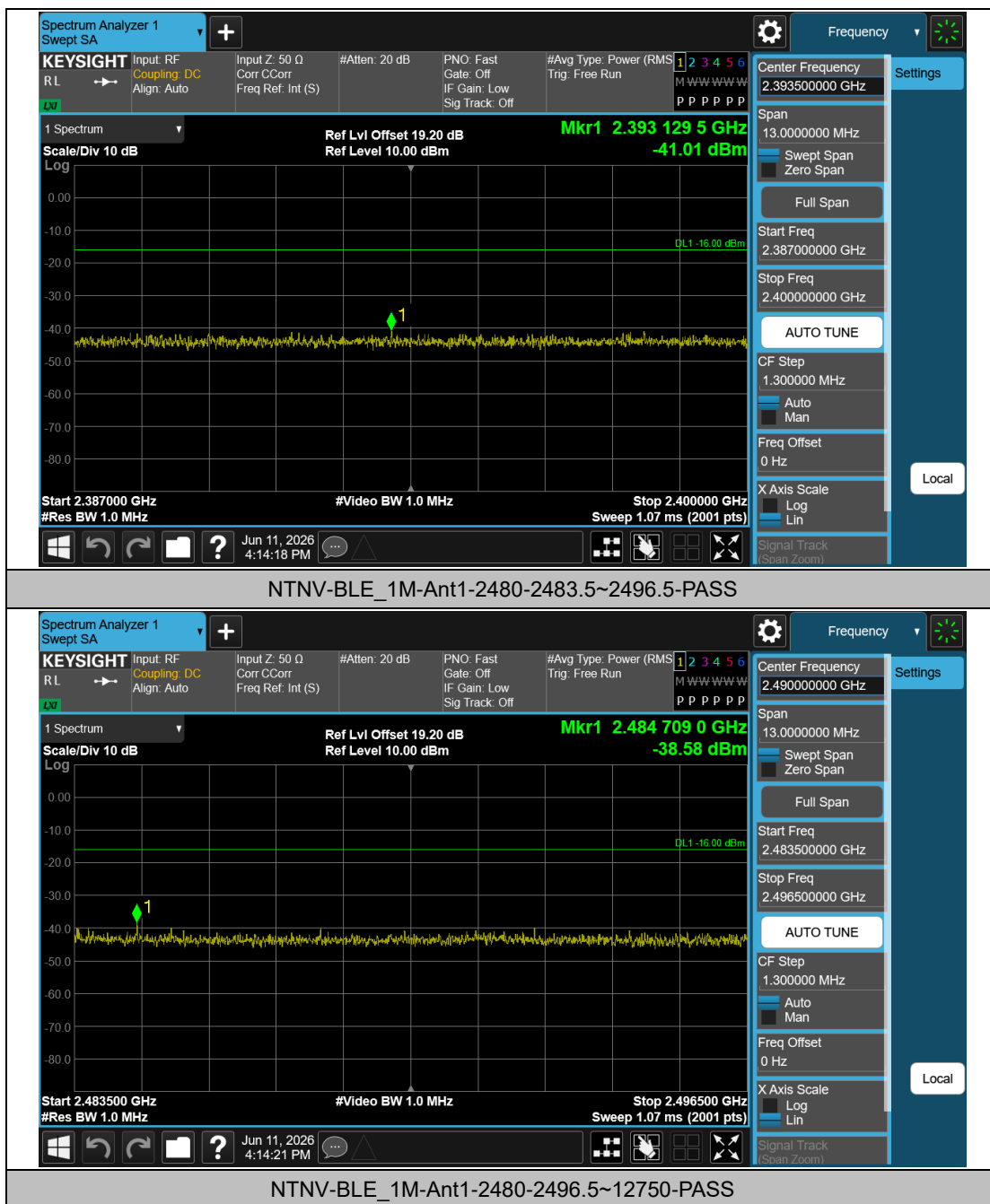


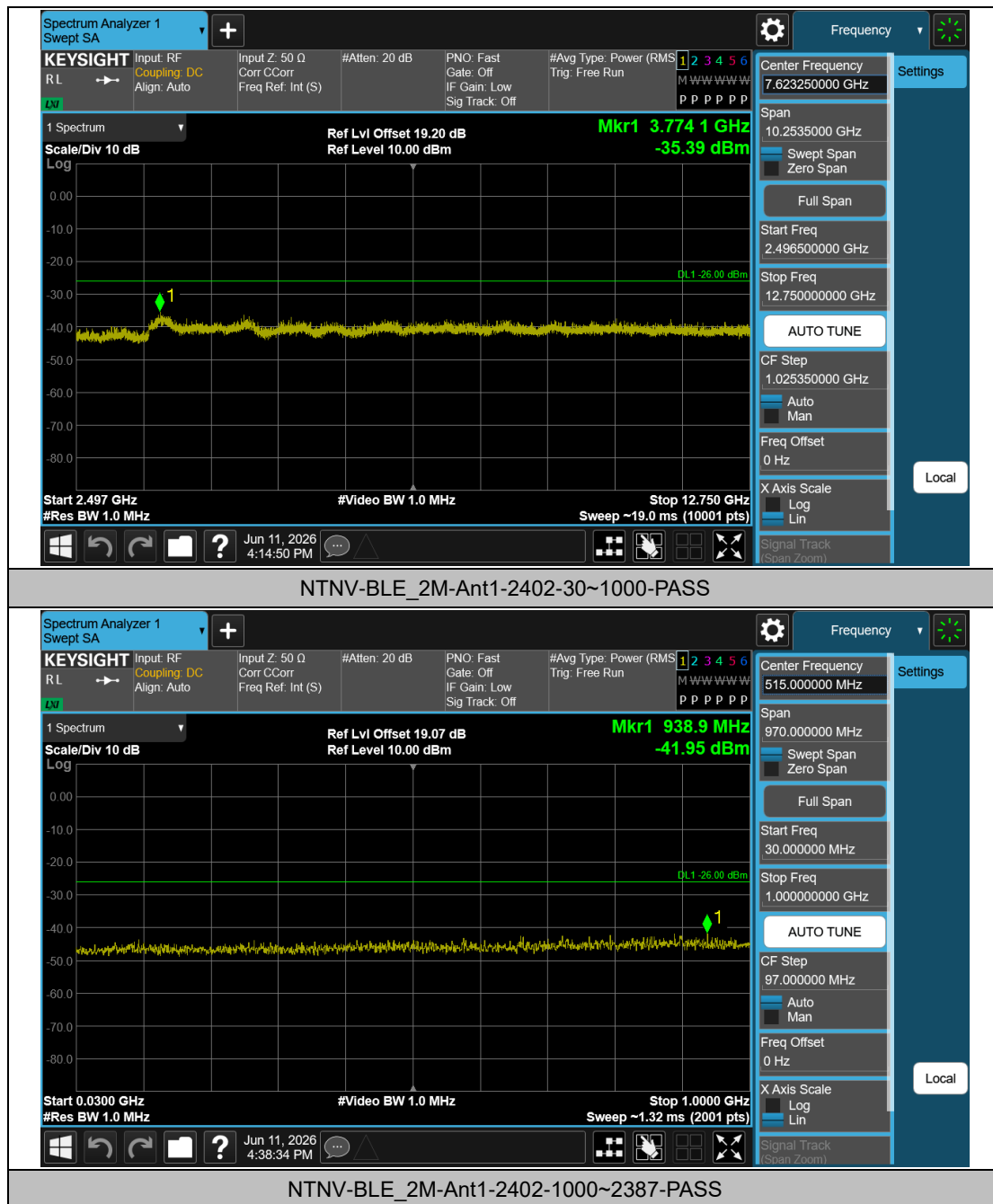


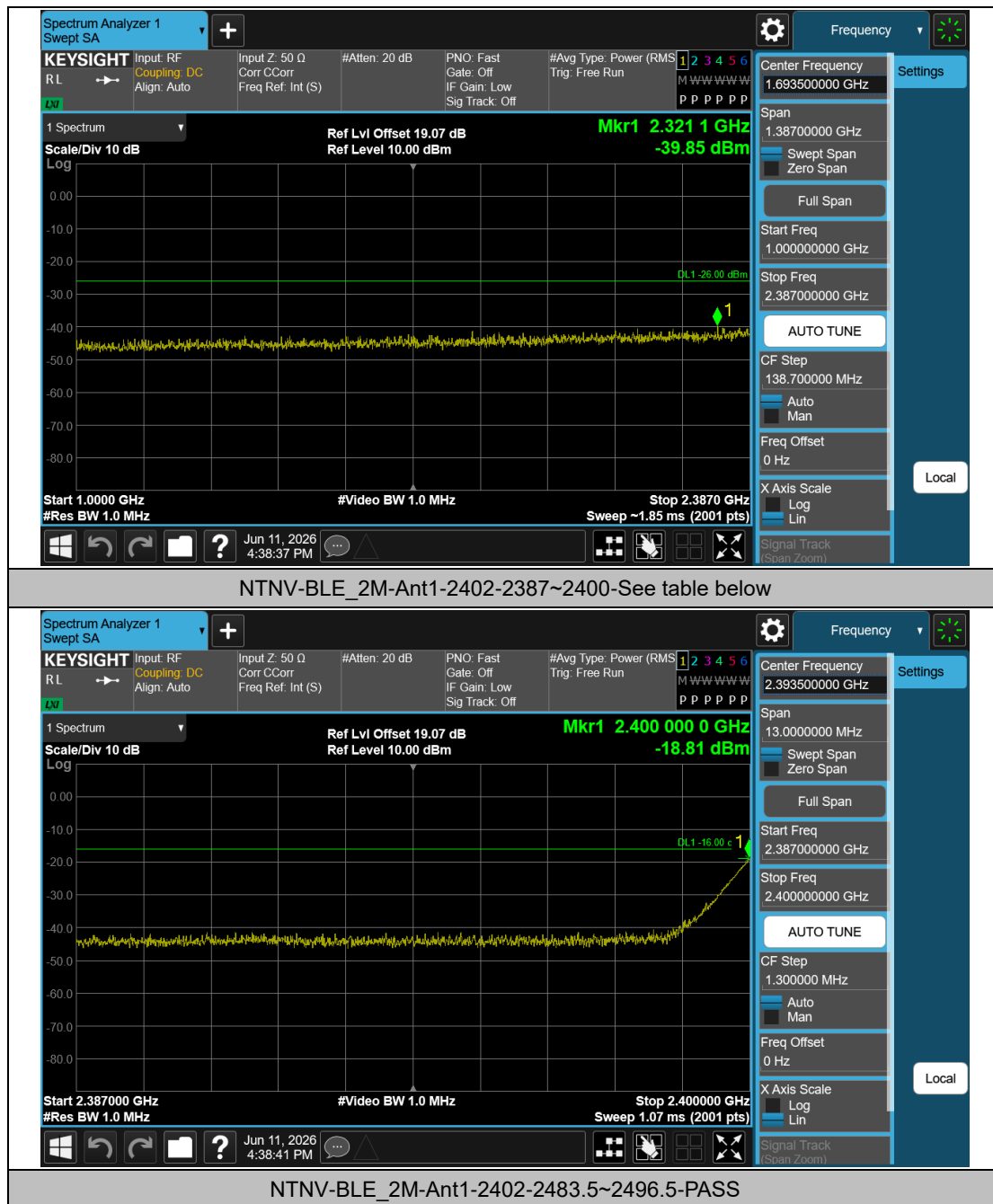


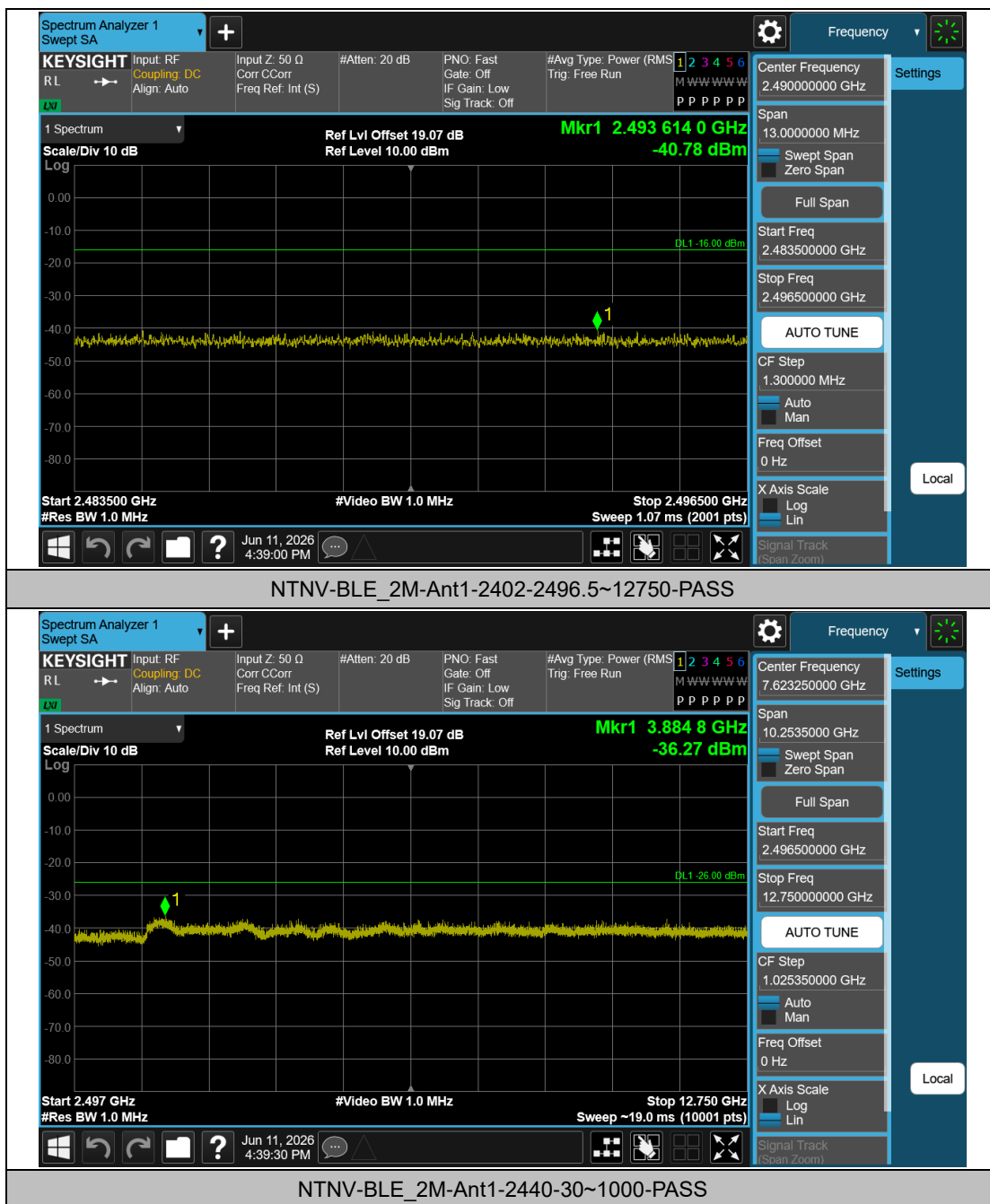


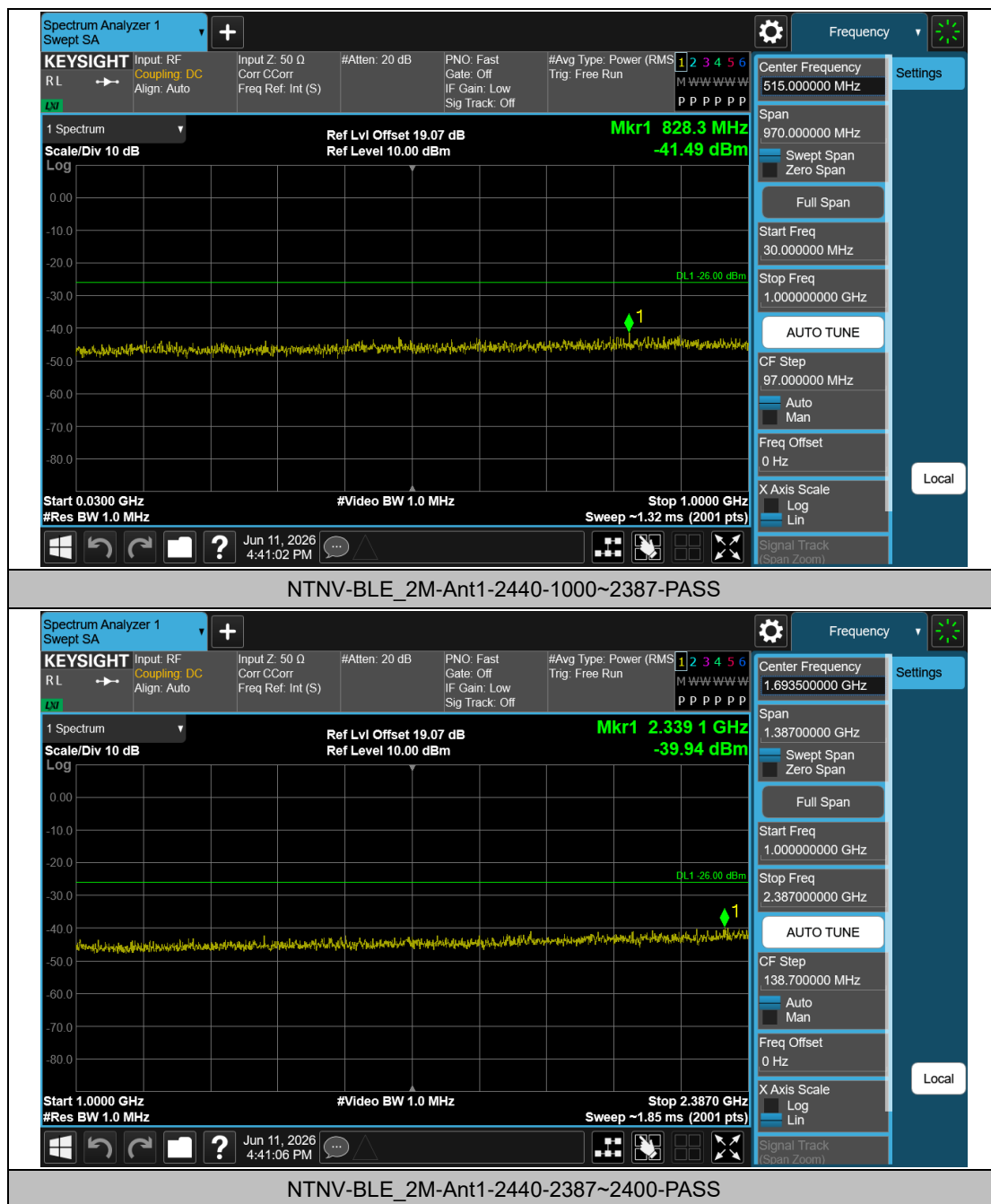


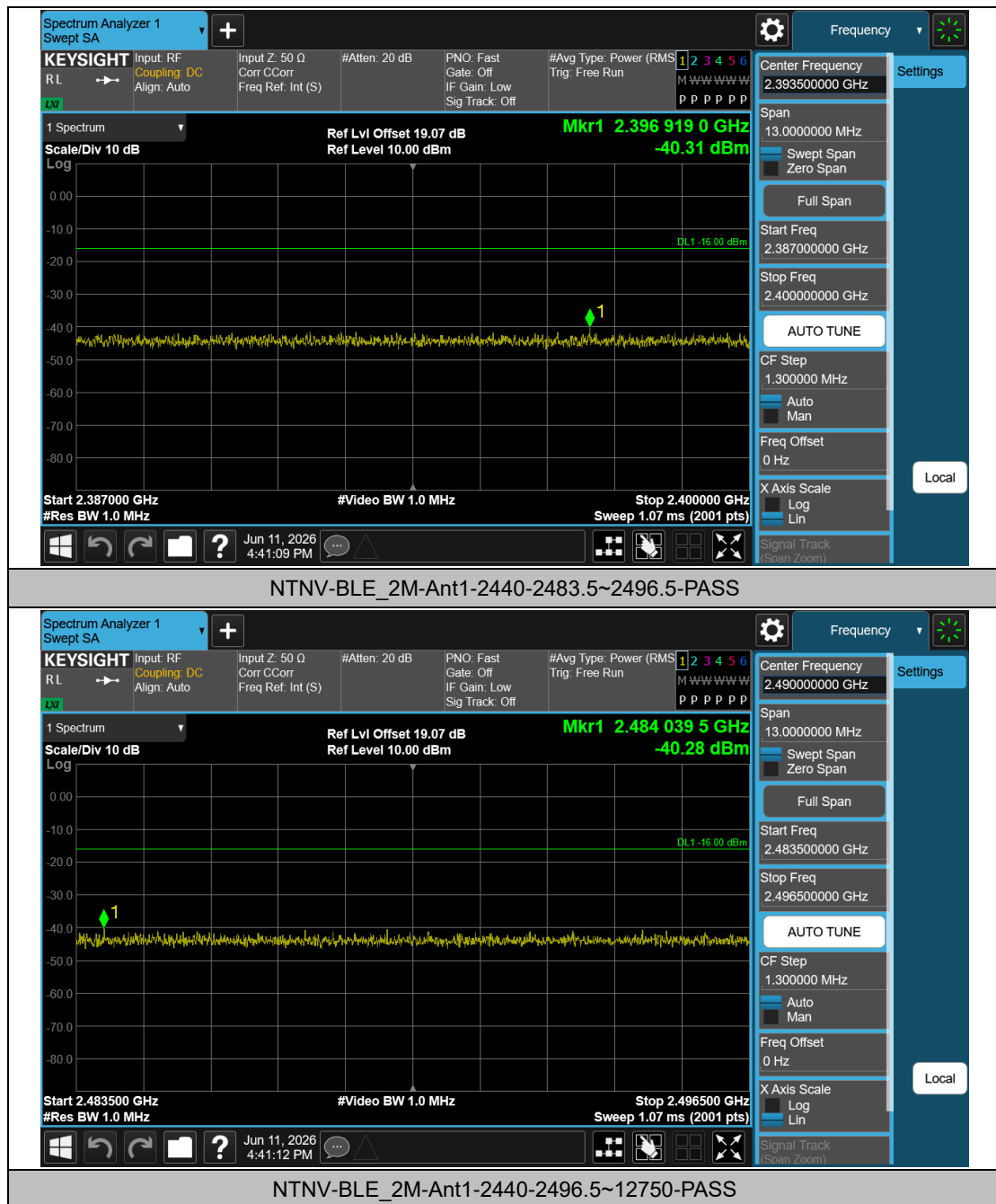


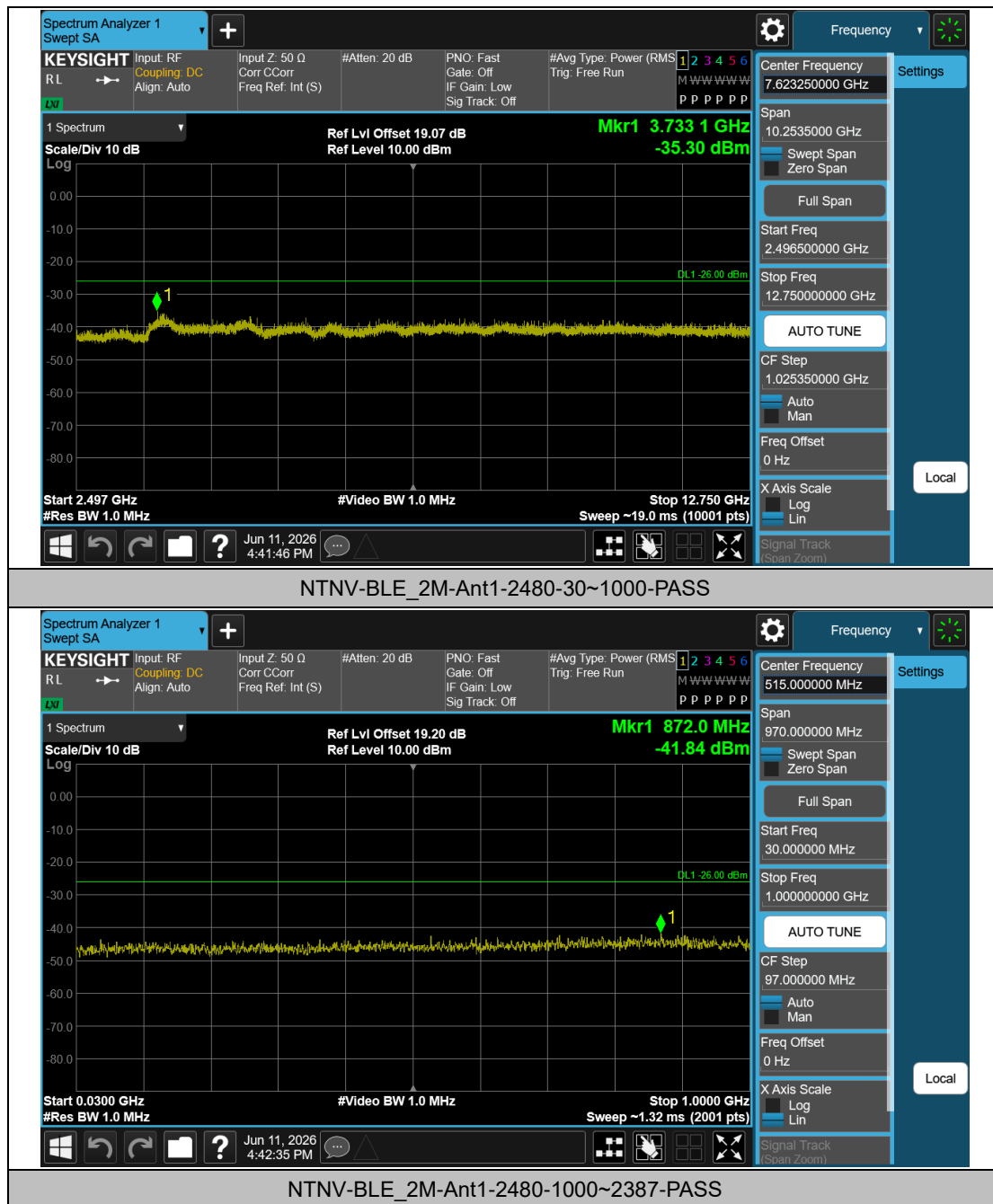


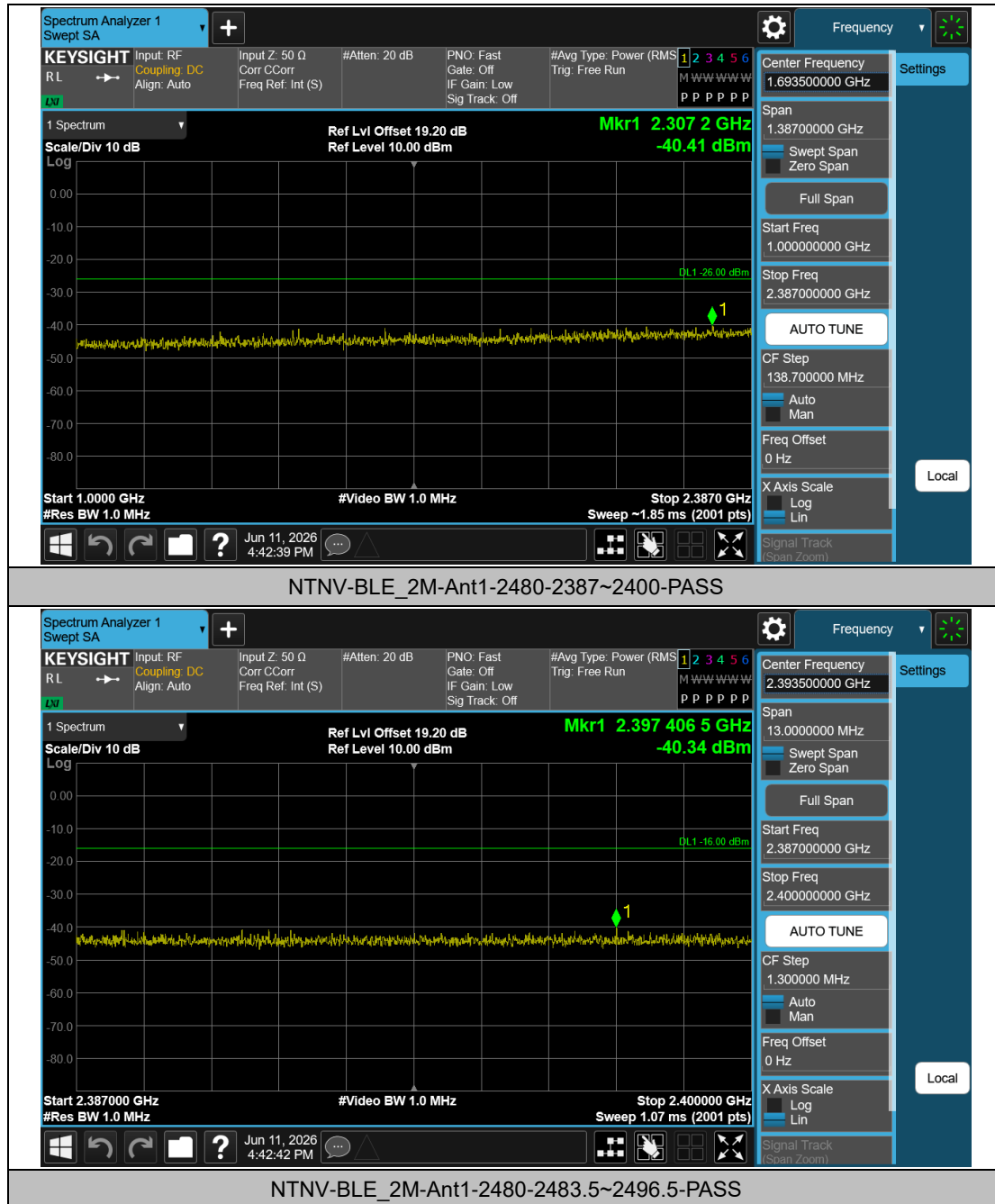


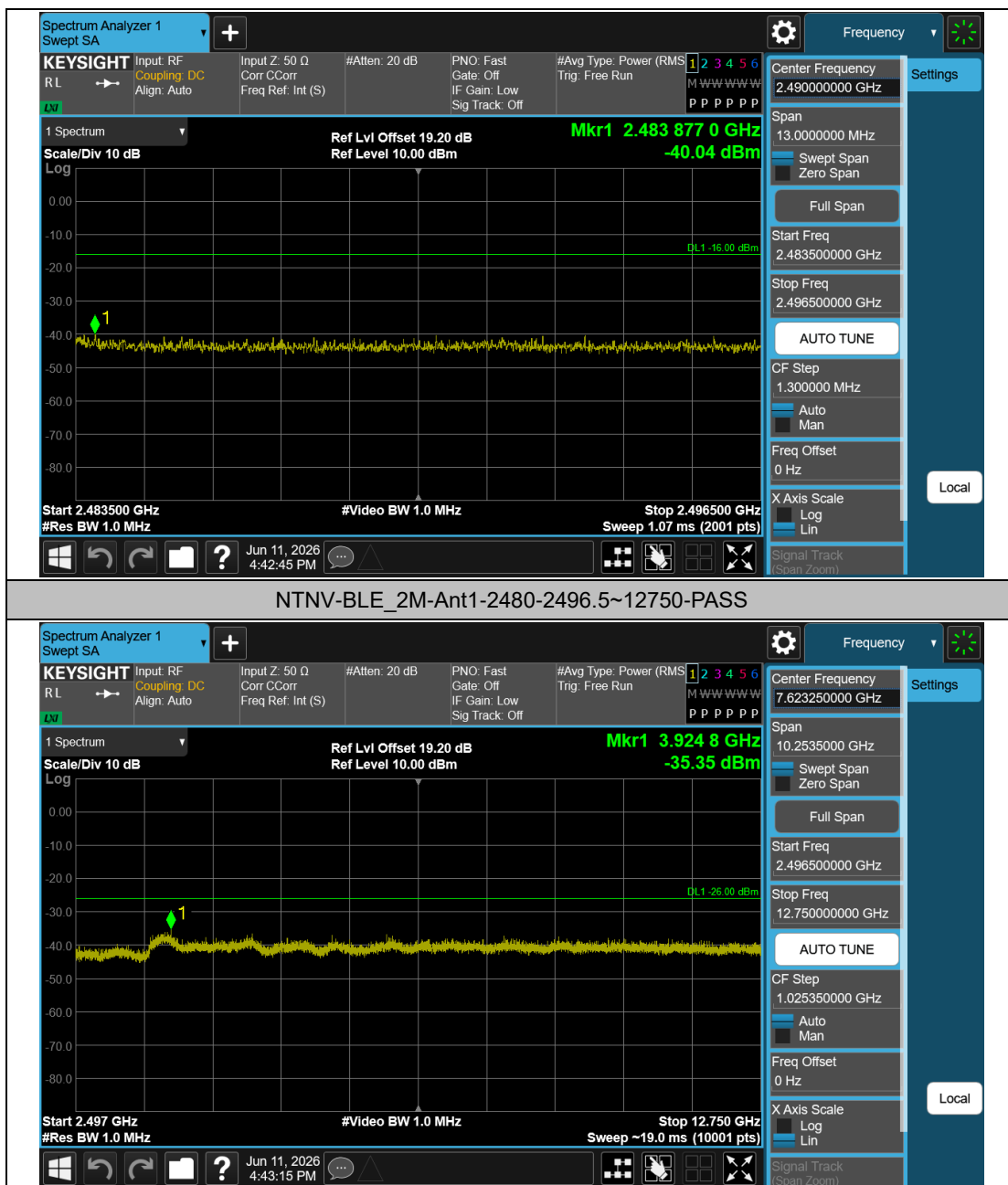




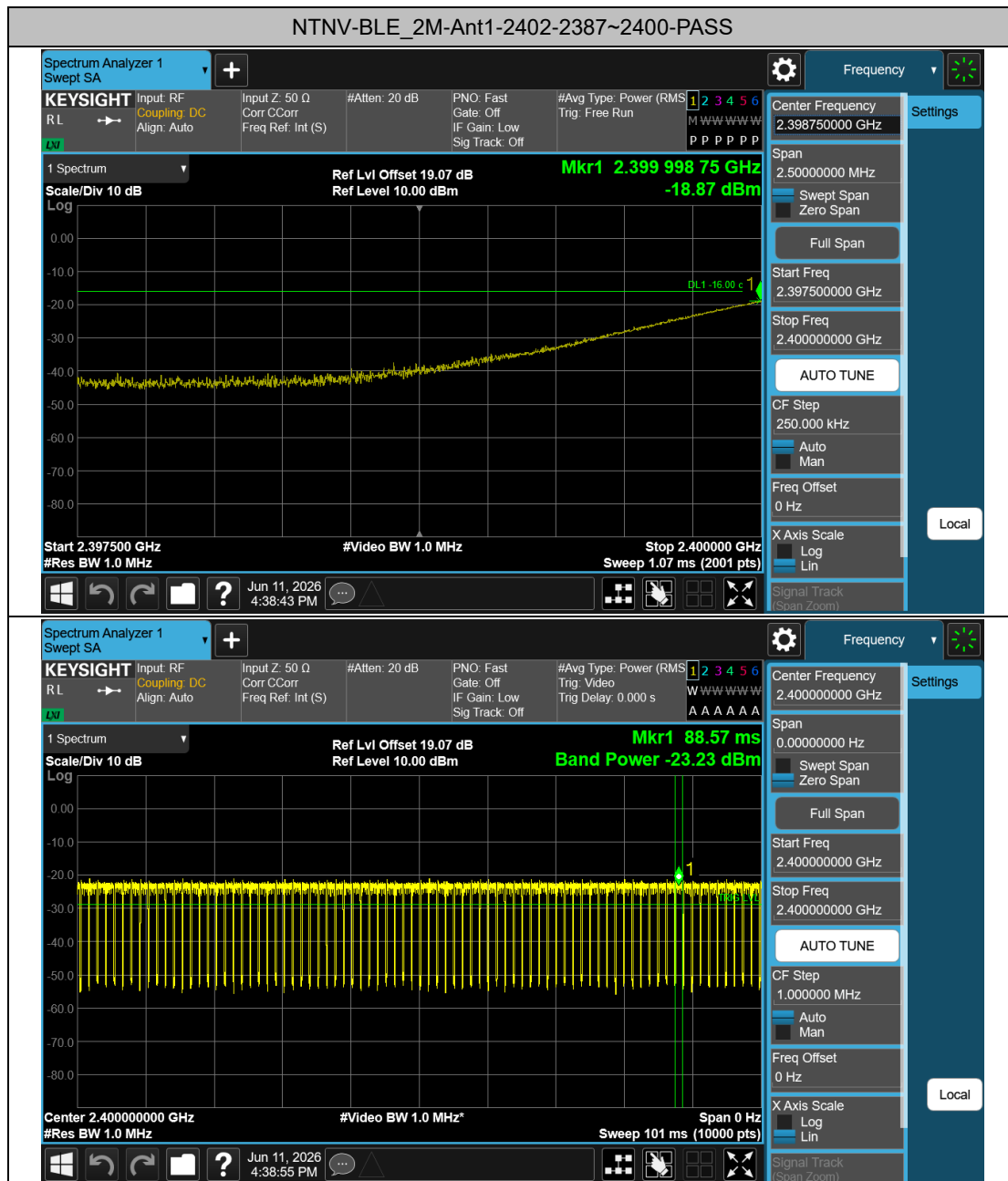








Test Graphs_Step2



Appendix E: Spurious Emission of RX

Test Result

Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	307.42	-66.79	≤-54	0.20941	≤4	PASS
NTNV	BLE_1M	Ant1	2402	1000~12750	3803.55	-55.01	≤-47	3.15500	≤20	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	282.20	-67.09	≤-54	0.19543	≤4	PASS
NTNV	BLE_1M	Ant1	2440	1000~12750	1723.8	-54.60	≤-47	3.46737	≤20	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	282.20	-66.67	≤-54	0.21528	≤4	PASS
NTNV	BLE_1M	Ant1	2480	1000~12750	3808.25	-56.76	≤-47	2.10863	≤20	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	307.42	-66.48	≤-54	0.22491	≤4	PASS
NTNV	BLE_2M	Ant1	2402	1000~12750	3843.5	-56.01	≤-47	2.50611	≤20	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	307.42	-66.94	≤-54	0.20230	≤4	PASS
NTNV	BLE_2M	Ant1	2440	1000~12750	1940	-55.66	≤-47	2.71644	≤20	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	282.20	-66.20	≤-54	0.23988	≤4	PASS
NTNV	BLE_2M	Ant1	2480	1000~12750	3744.8	-54.98	≤-47	3.17687	≤20	PASS

Test Graphs

