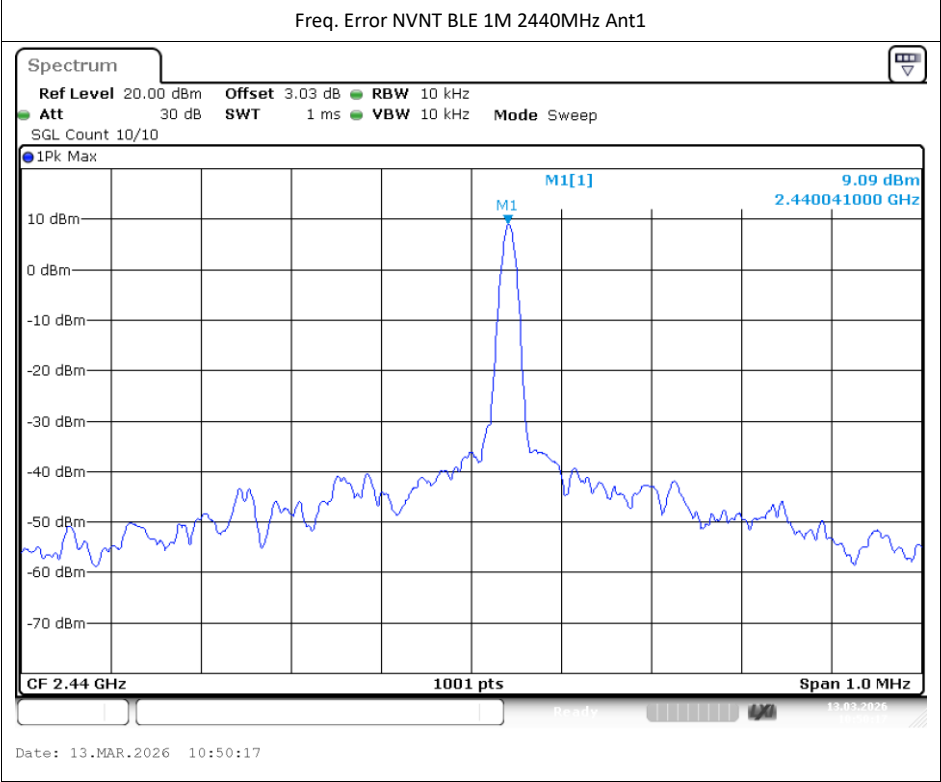
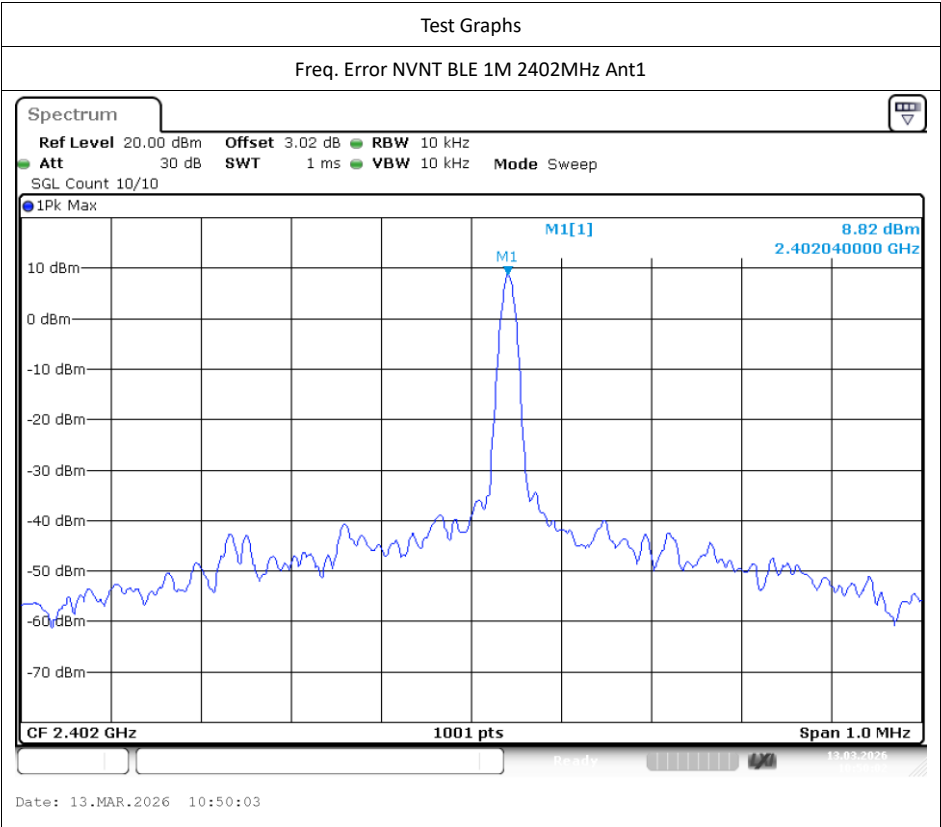
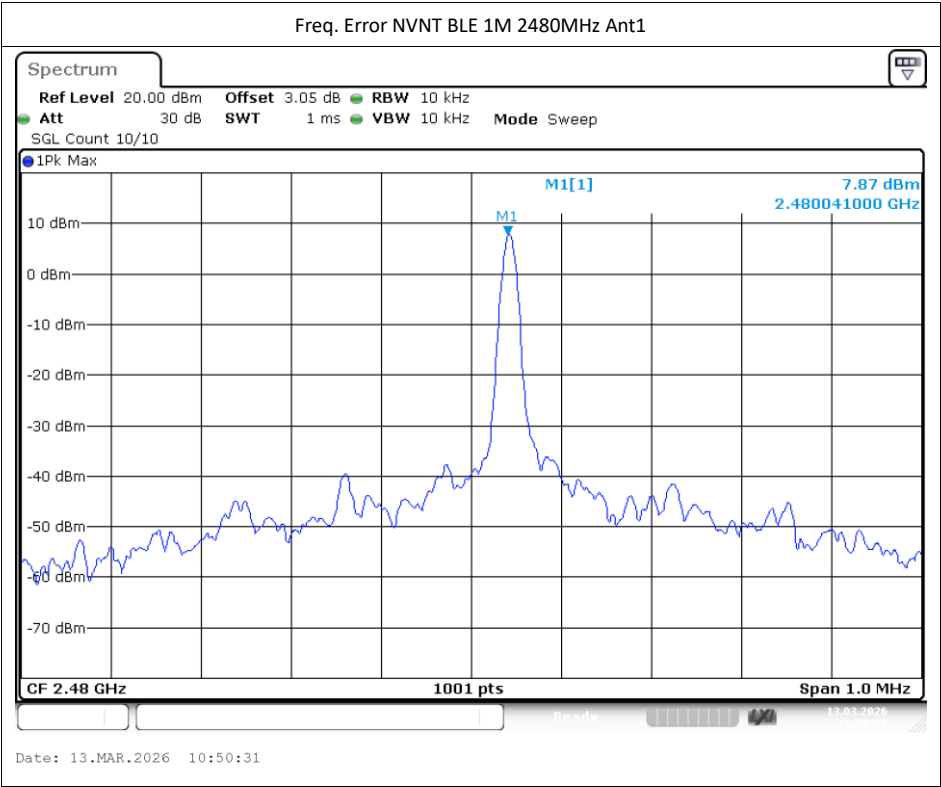


Appendix C

Frequency Error

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2402	Ant1	2402.04	40000	16.65	50	Pass
NVNT	2440	Ant1	2440.041	41000	16.8	50	Pass
NVNT	2480	Ant1	2480.041	41000	16.53	50	Pass



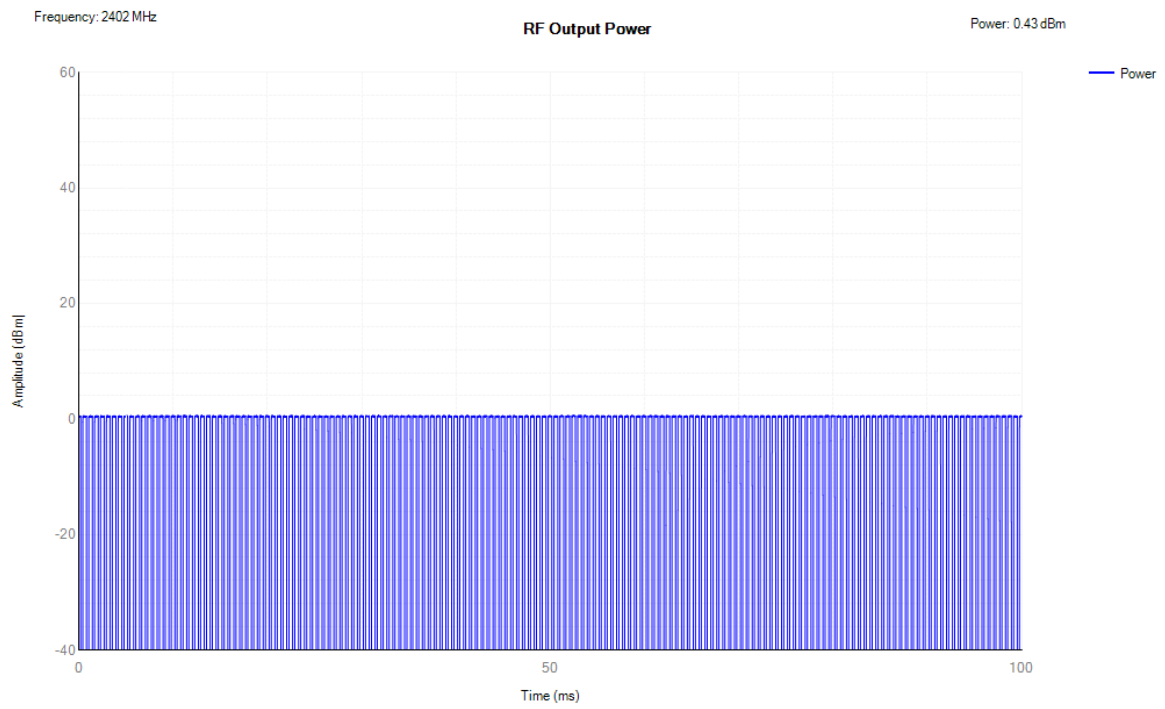


Antenna Power

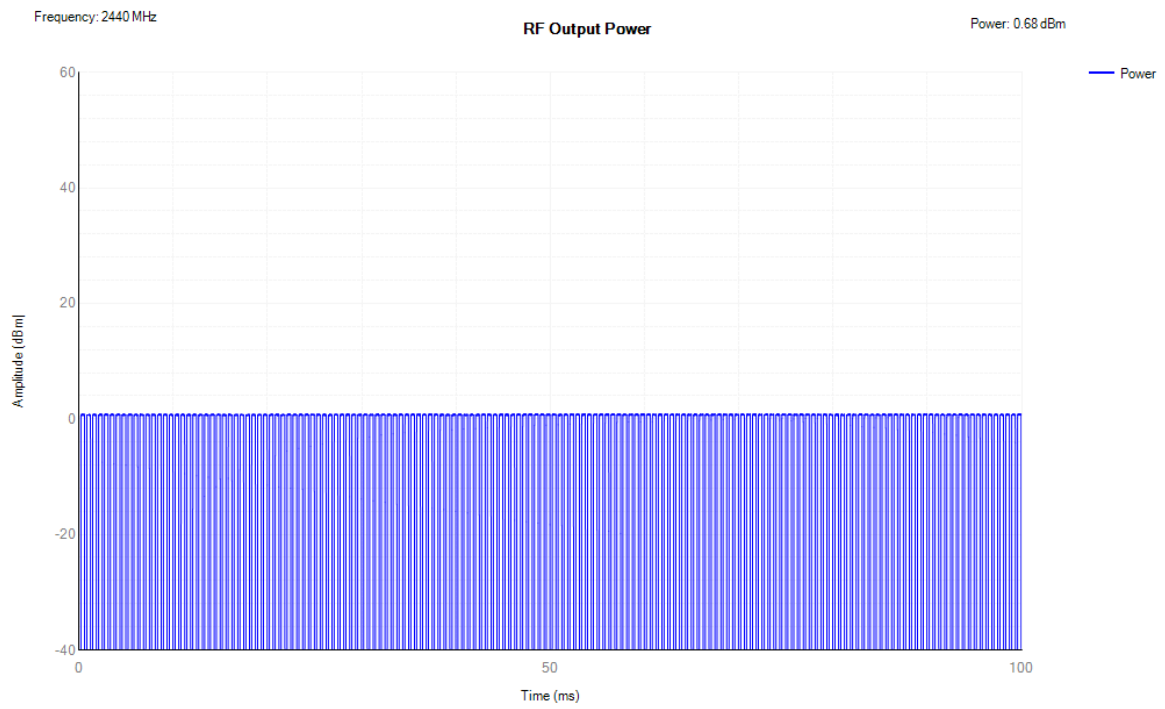
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	0.43	1.104	10	1.5	-26.4	20	Pass
NVNT	BLE 1M	2440	Ant1	0.68	1.169	10	1.5	-22.07	20	Pass
NVNT	BLE 1M	2480	Ant1	-0.46	0.899	10	1.5	-40.07	20	Pass
NVNT	BLE 2M	2402	Ant1	0.41	1.099	10	1.2	-8.42	20	Pass
NVNT	BLE 2M	2440	Ant1	0.78	1.197	10	1.2	-0.25	20	Pass
NVNT	BLE 2M	2480	Ant1	-0.32	0.929	10	1.2	-22.58	20	Pass

Test Graphs

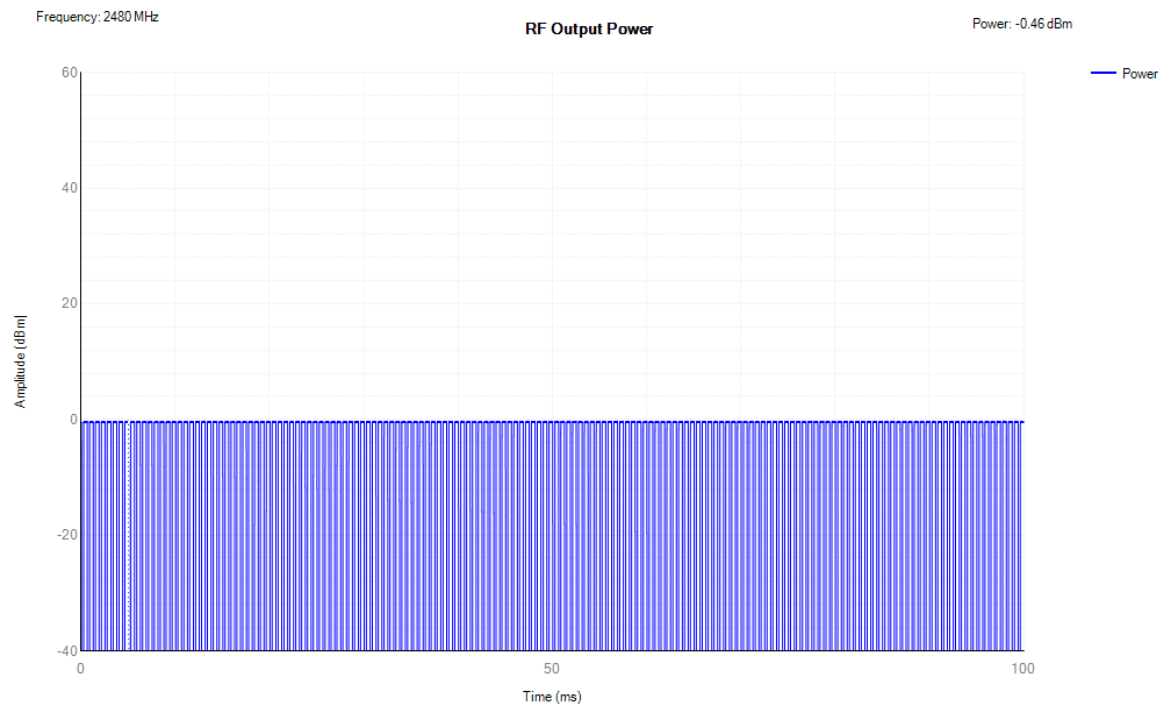
Power NVNT BLE 1M 2402MHz Ant1



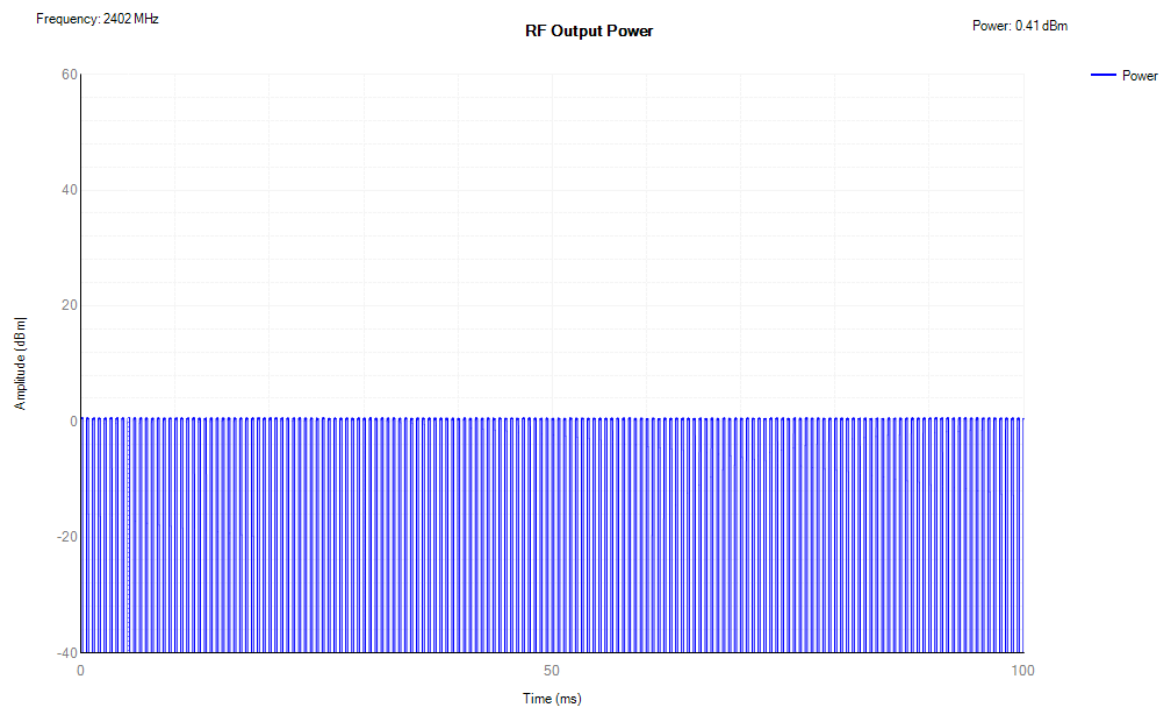
Power NVNT BLE 1M 2440MHz Ant1



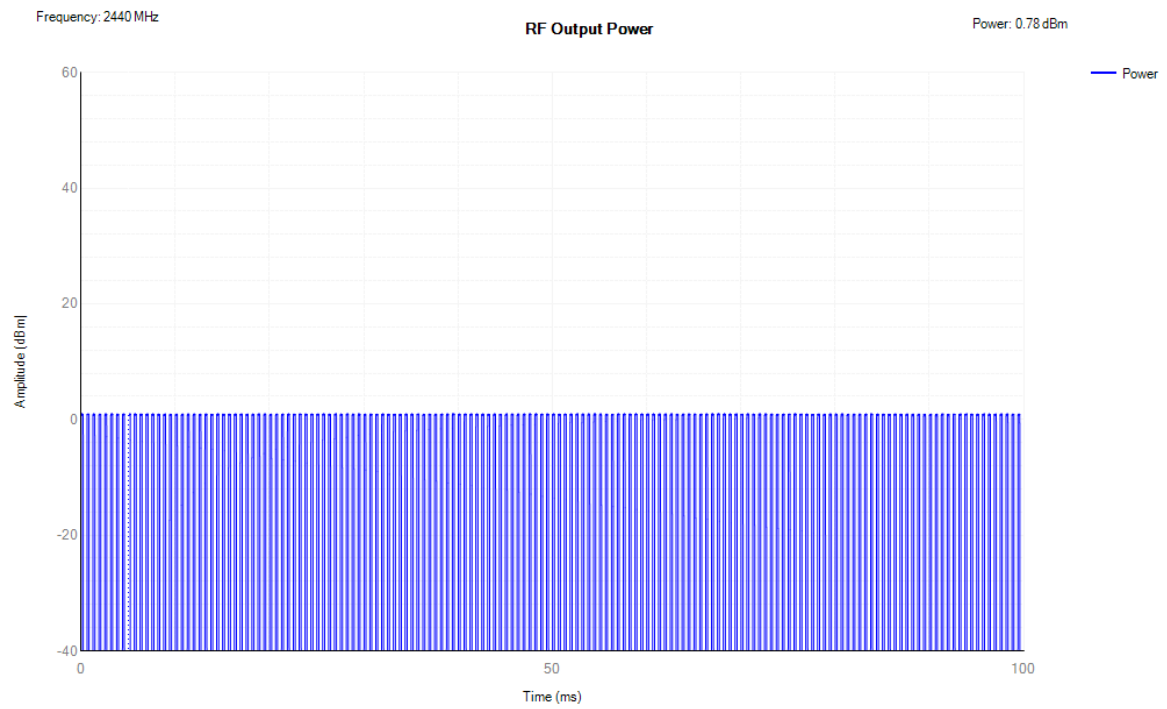
Power NVNT BLE 1M 2480MHz Ant1



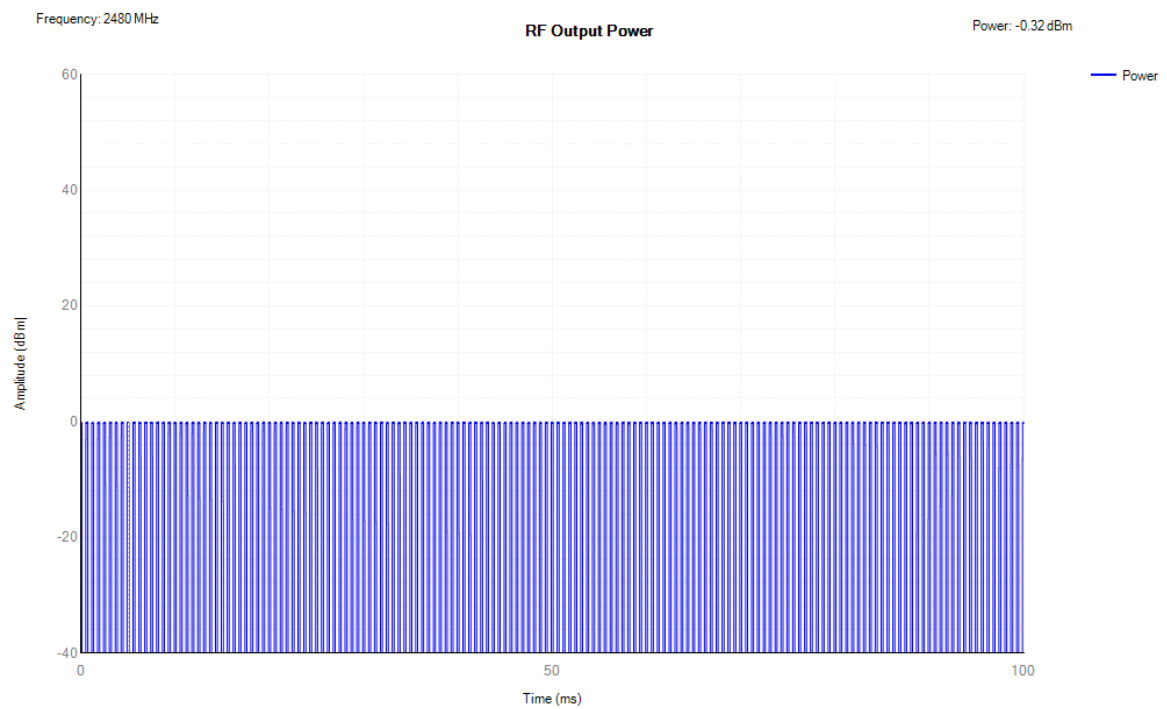
Power NVNT BLE 2M 2402MHz Ant1



Power NVNT BLE 2M 2440MHz Ant1



Power NVNT BLE 2M 2480MHz Ant1



EIRP Power

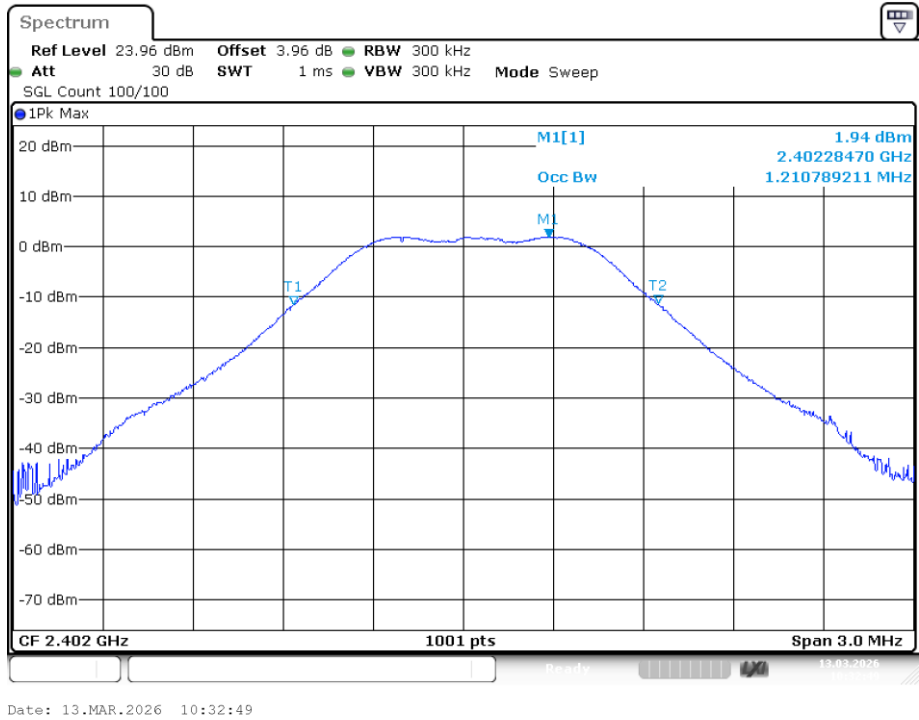
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.104	0.43	0.94	1.37	12.14	Pass
NVNT	BLE 1M	2440	Ant1	1.169	0.68	0.94	1.62	12.14	Pass
NVNT	BLE 1M	2480	Ant1	0.899	-0.46	0.94	0.48	12.14	Pass
NVNT	BLE 2M	2402	Ant1	1.099	0.41	0.94	1.35	12.14	Pass
NVNT	BLE 2M	2440	Ant1	1.197	0.78	0.94	1.72	12.14	Pass
NVNT	BLE 2M	2480	Ant1	0.929	-0.32	0.94	0.62	12.14	Pass

Occupied Channel Bandwidth

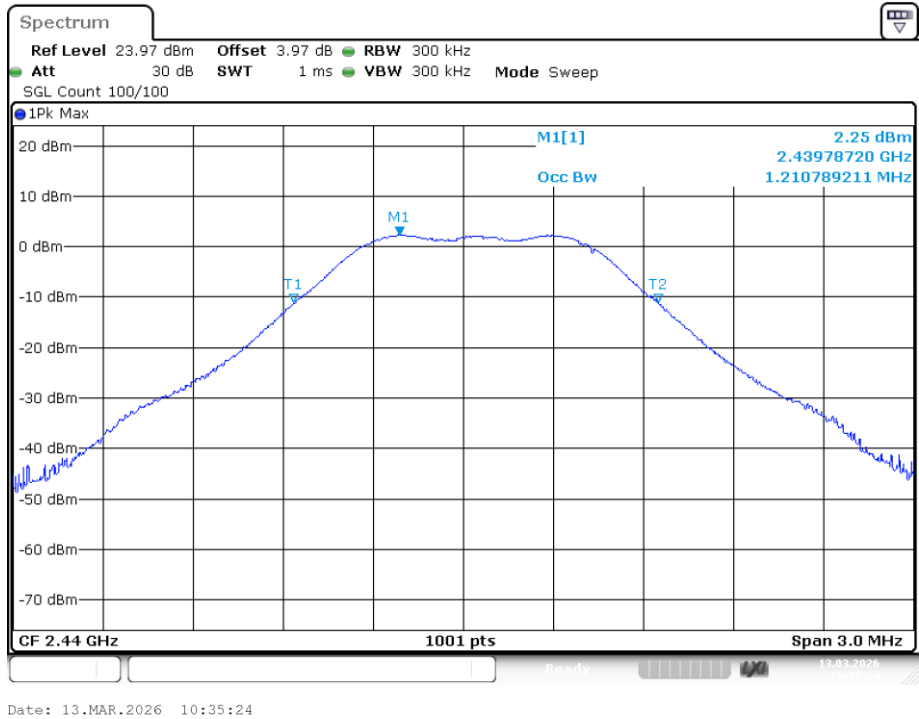
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1.211	N/A	26	Pass
NVNT	BLE 1M	2440	Ant1	1.211	N/A	26	Pass
NVNT	BLE 1M	2480	Ant1	1.214	N/A	26	Pass
NVNT	BLE 2M	2402	Ant1	2.092	N/A	26	Pass
NVNT	BLE 2M	2440	Ant1	2.11	N/A	26	Pass
NVNT	BLE 2M	2480	Ant1	2.092	N/A	26	Pass

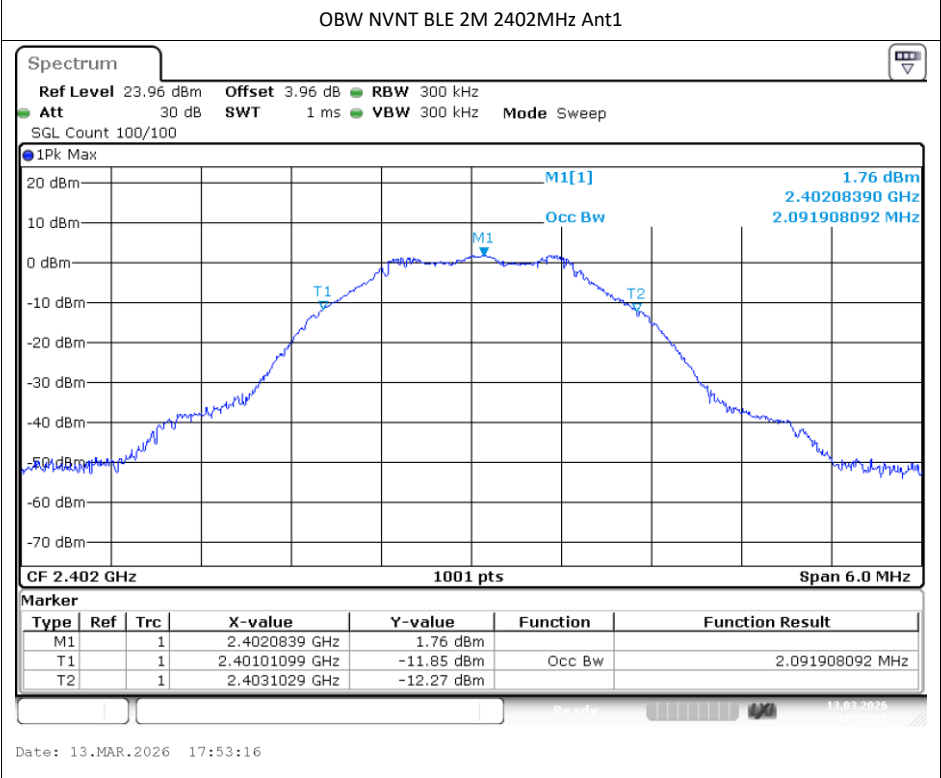
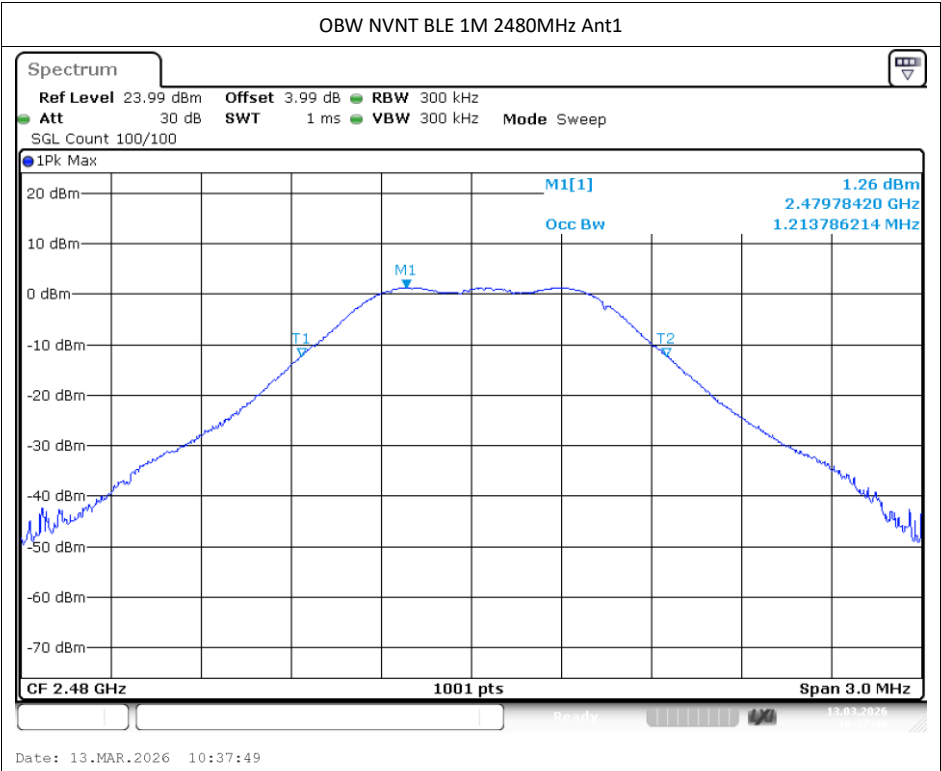
Test Graphs

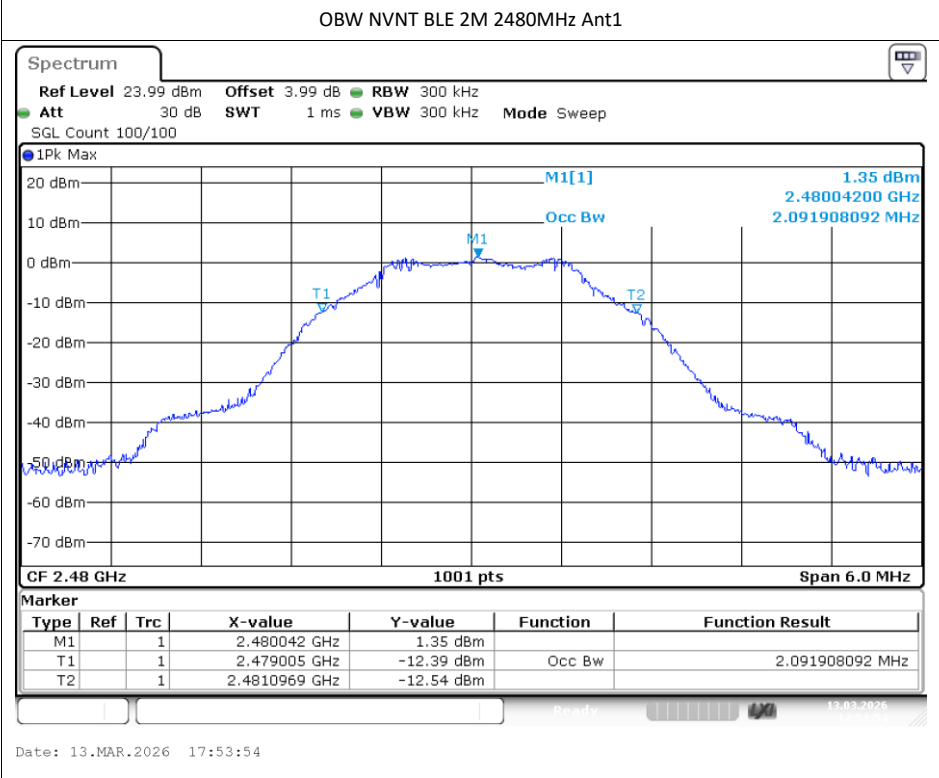
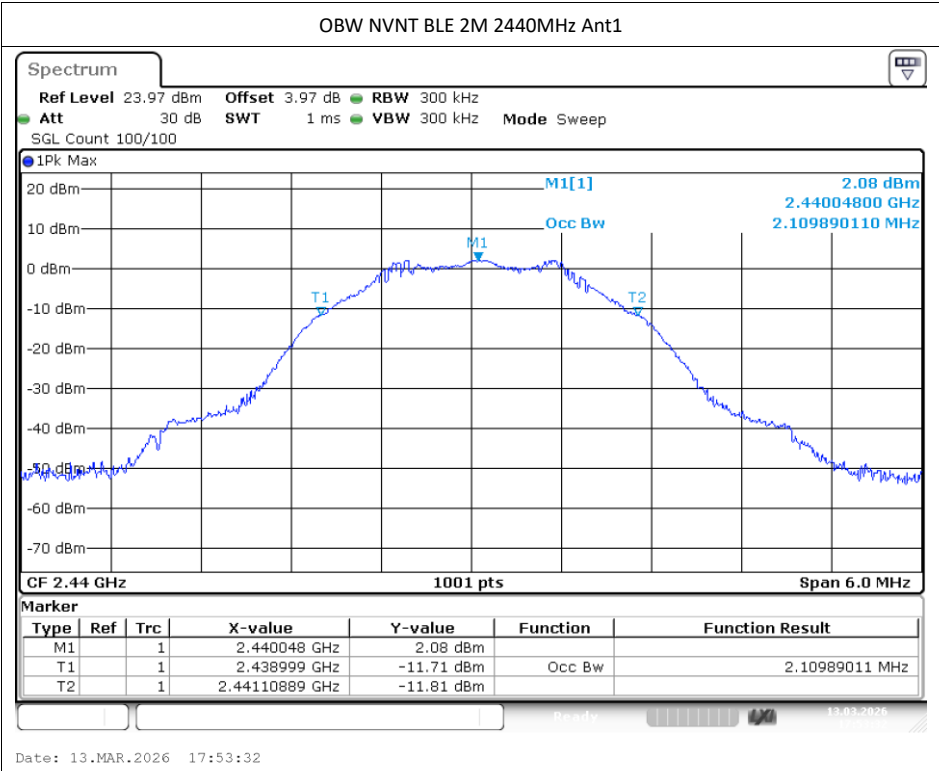
OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



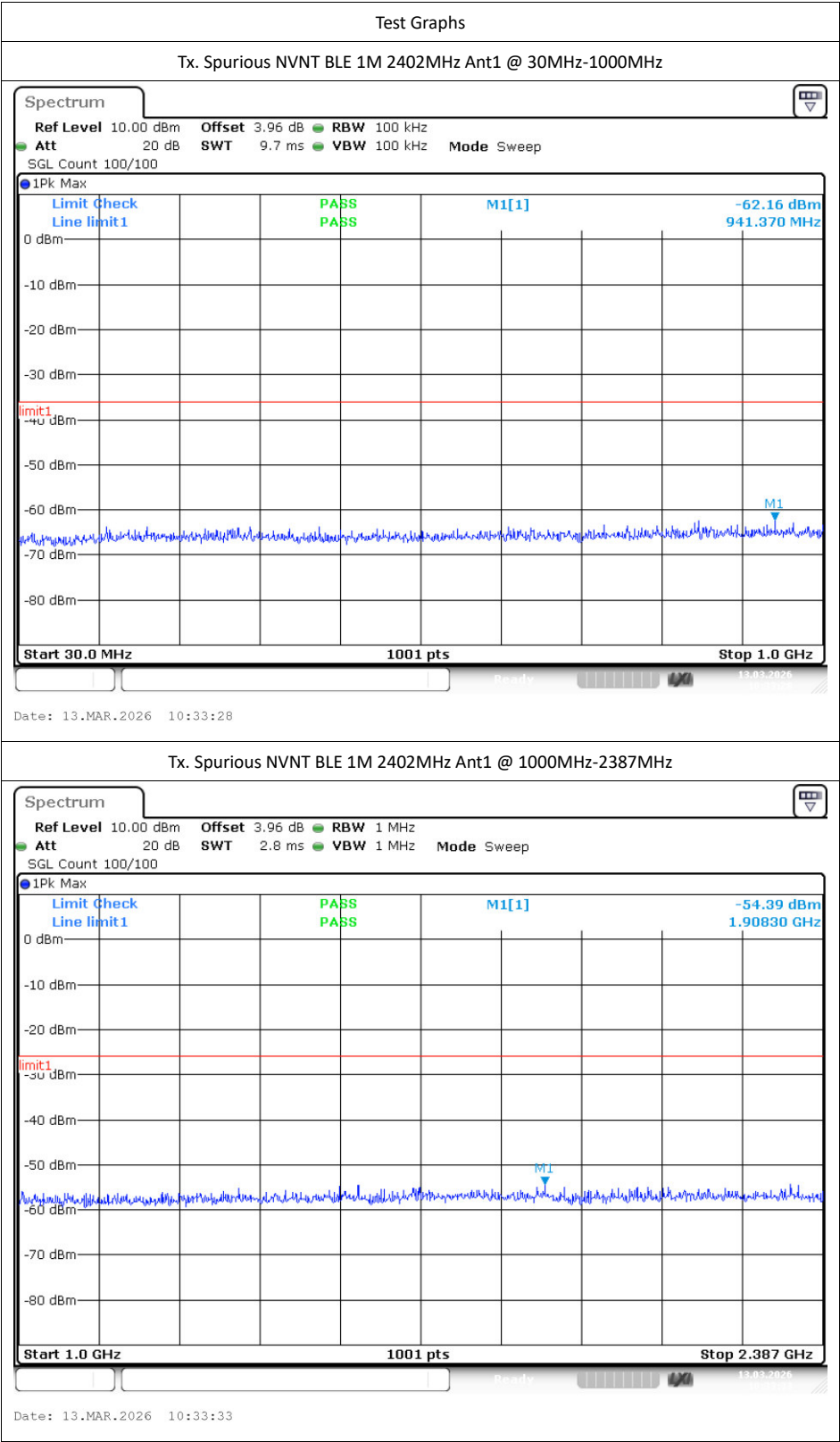


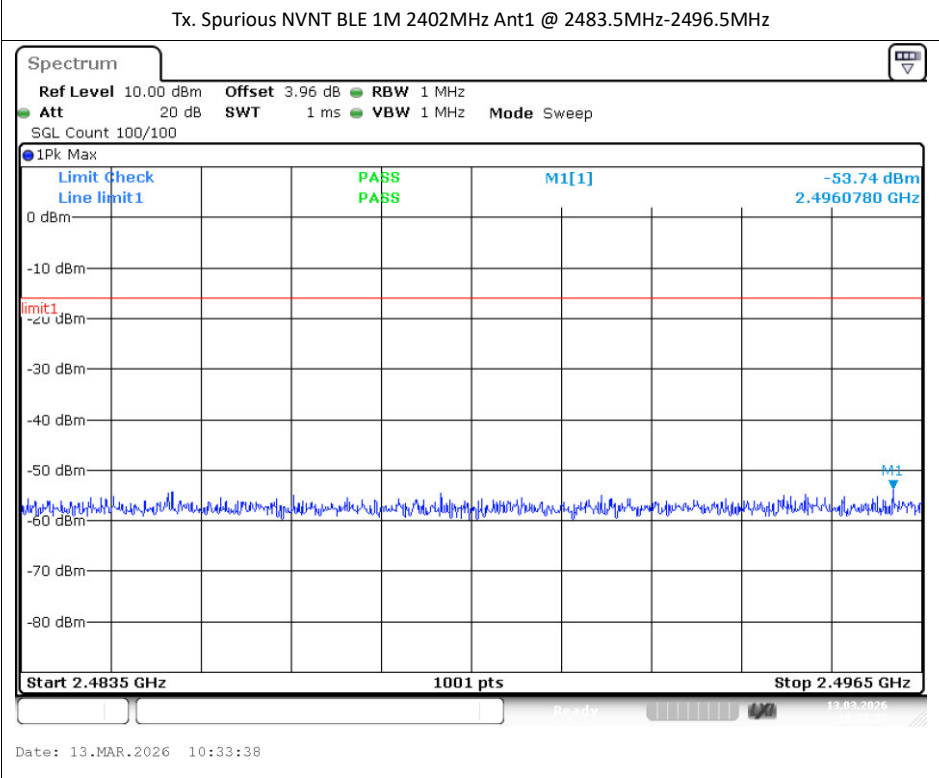
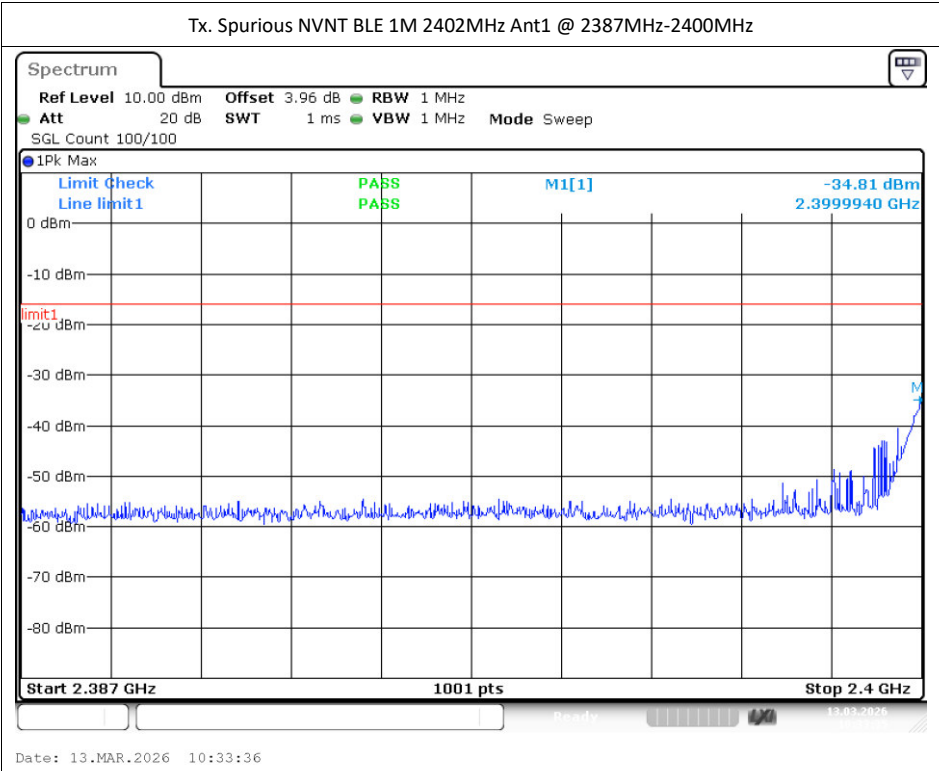


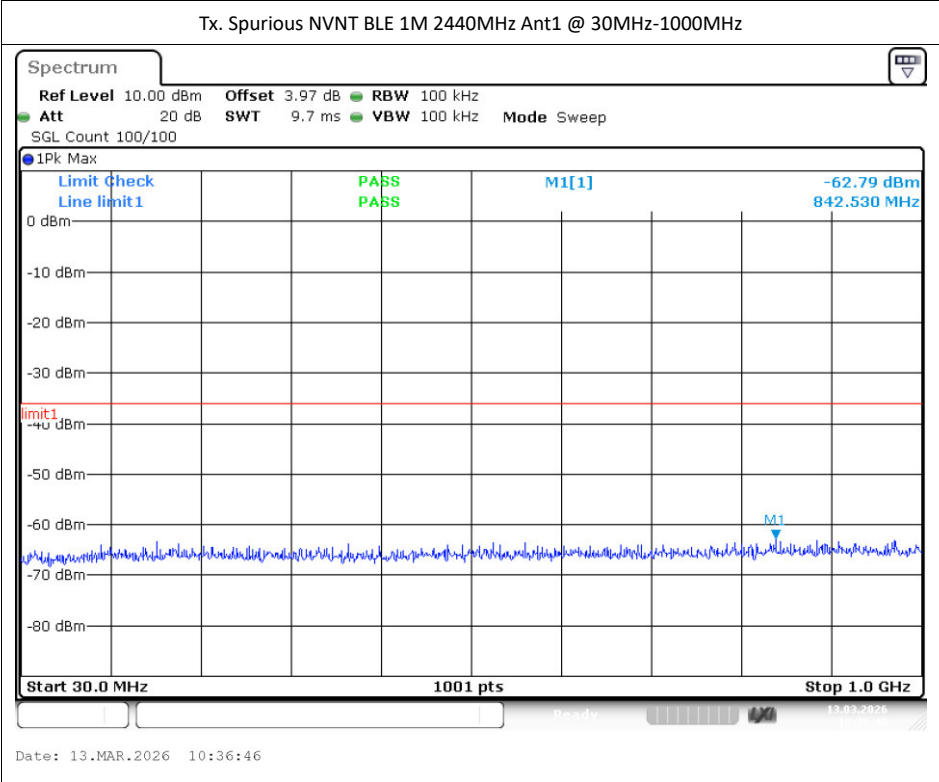
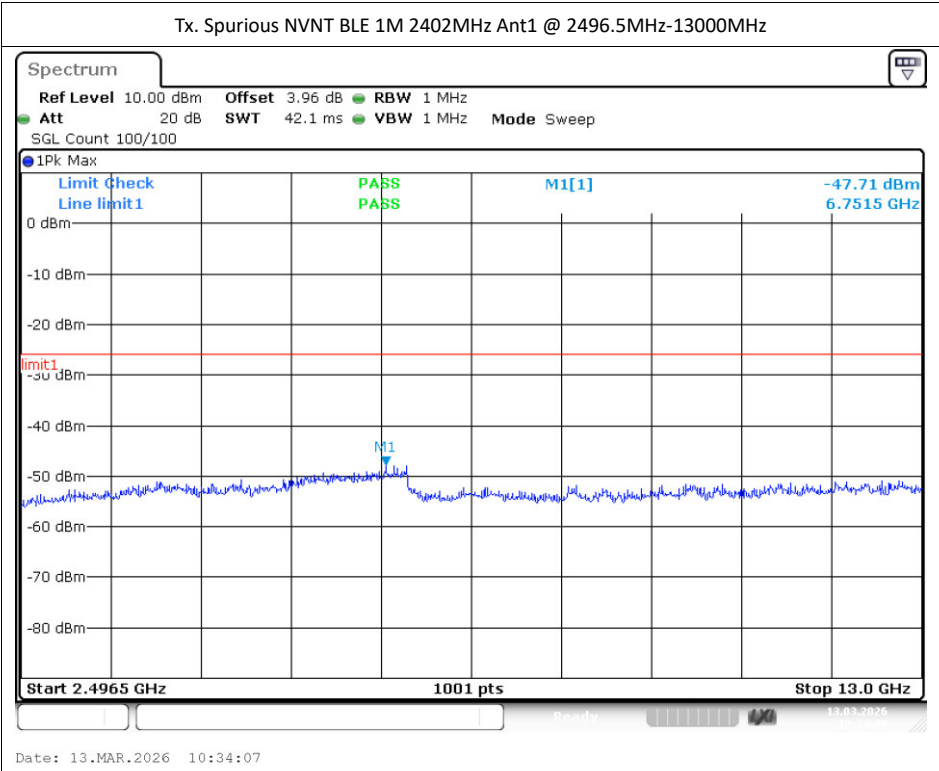
Tx Spurious Emission

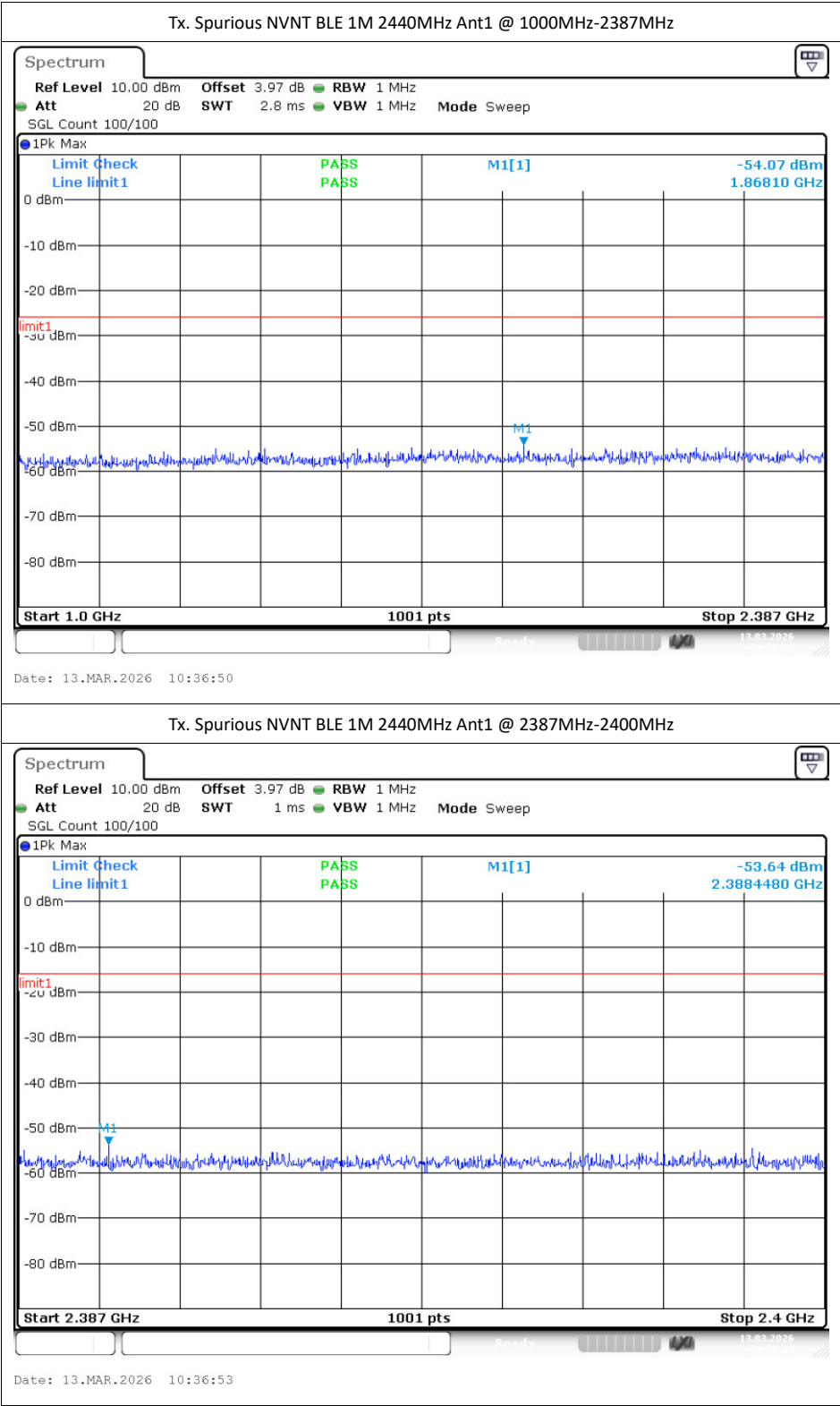
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/100kHz)	Limit Start(dBm/100kHz)	Limit Stop (dBm/100kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	941.37	-62.16	-36	-36	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	842.53	-62.79	-36	-36	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	875.48	-63.28	-36	-36	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	280.49	-62.89	-36	-36	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	758.23	-63.07	-36	-36	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	797.96	-62.39	-36	-36	Pass

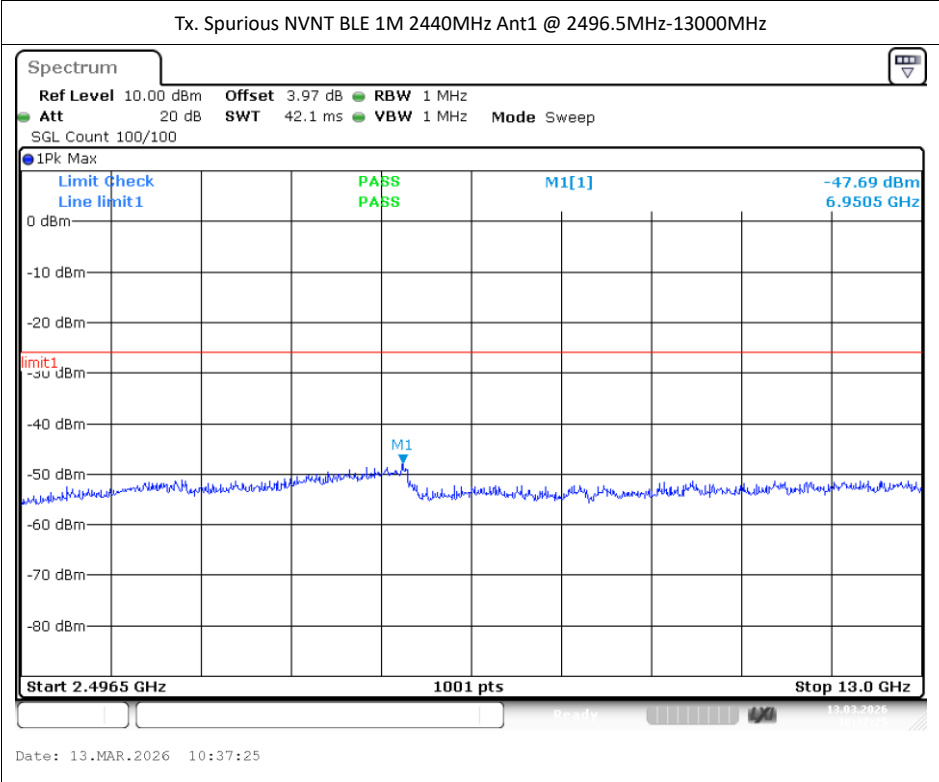
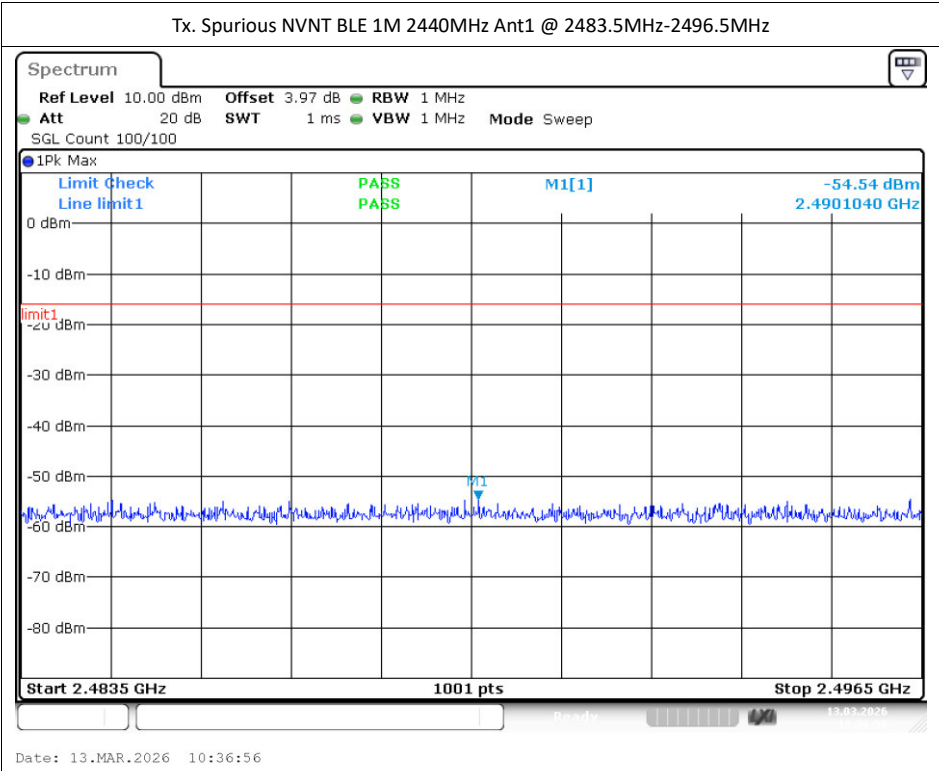
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit Start(dBm/MHz)	Limit Stop (dBm/MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1000-2387	1908.3	-54.39	-26	-26	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2399.99	-34.81	-16	-16	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2496.08	-53.74	-16	-16	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	6751.5	-47.71	-26	-26	Pass
NVNT	BLE 1M	2440	Ant1	1000-2387	1868.1	-54.07	-26	-26	Pass
NVNT	BLE 1M	2440	Ant1	2387-2400	2388.45	-53.64	-16	-16	Pass
NVNT	BLE 1M	2440	Ant1	2483.5-2496.5	2490.1	-54.54	-16	-16	Pass
NVNT	BLE 1M	2440	Ant1	2496.5-13000	6950.5	-47.69	-26	-26	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	2358.6	-54.18	-26	-26	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2399.71	-54.32	-16	-16	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2483.82	-51.94	-16	-16	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	6877.5	-48.05	-26	-26	Pass
NVNT	BLE 2M	2402	Ant1	1000-2387	1815.4	-54.07	-26	-26	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2399.99	-23.12	-16	-16	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2487.04	-54.07	-16	-16	Pass
NVNT	BLE 2M	2402	Ant1	2496.5-13000	6552.5	-48.61	-26	-26	Pass
NVNT	BLE 2M	2440	Ant1	1000-2387	1728.1	-54.59	-26	-26	Pass
NVNT	BLE 2M	2440	Ant1	2387-2400	2397.77	-53.65	-16	-16	Pass
NVNT	BLE 2M	2440	Ant1	2483.5-2496.5	2487.47	-54.3	-16	-16	Pass
NVNT	BLE 2M	2440	Ant1	2496.5-13000	6971.5	-48.15	-26	-26	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	1438.5	-54.45	-26	-26	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2388.27	-54.82	-16	-16	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2483.52	-49.69	-16	-16	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	6677.5	-47.78	-26	-26	Pass

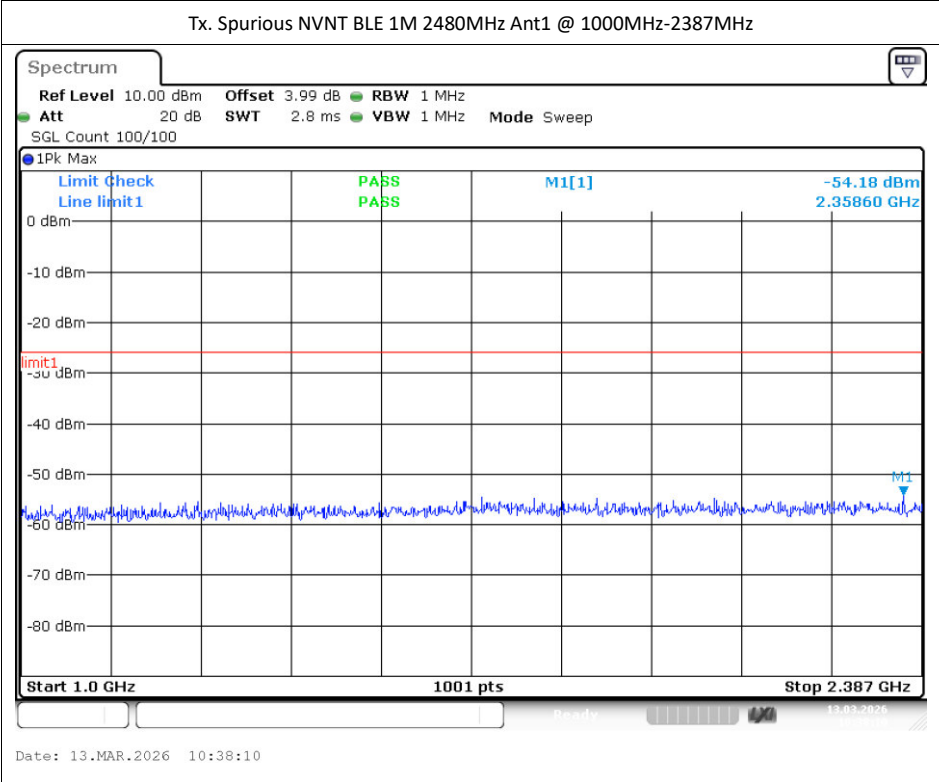
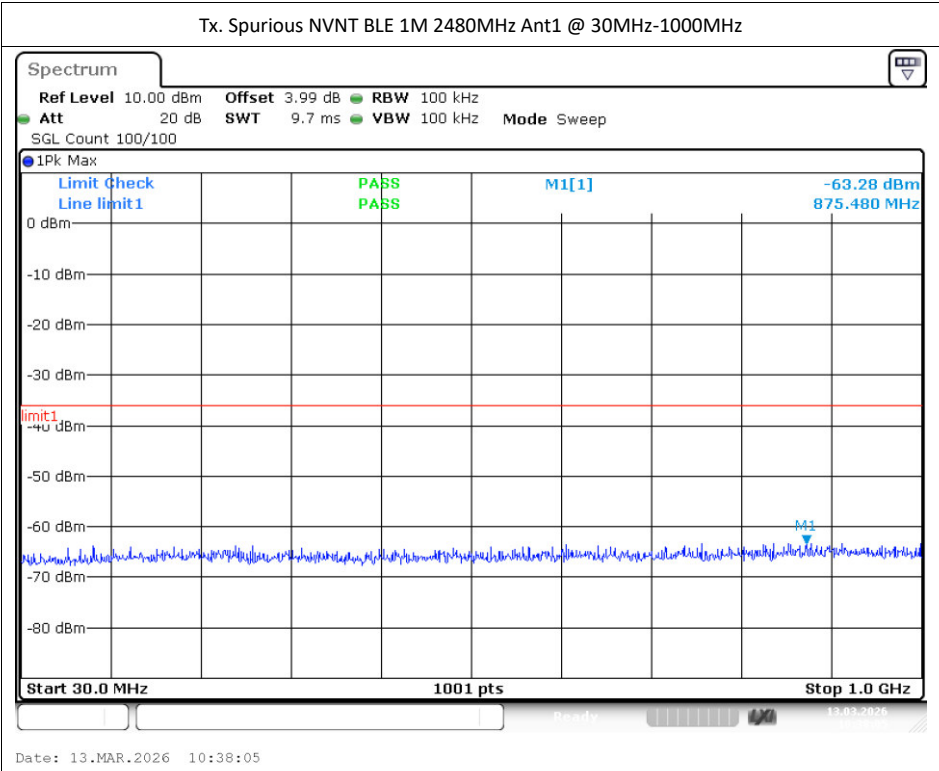


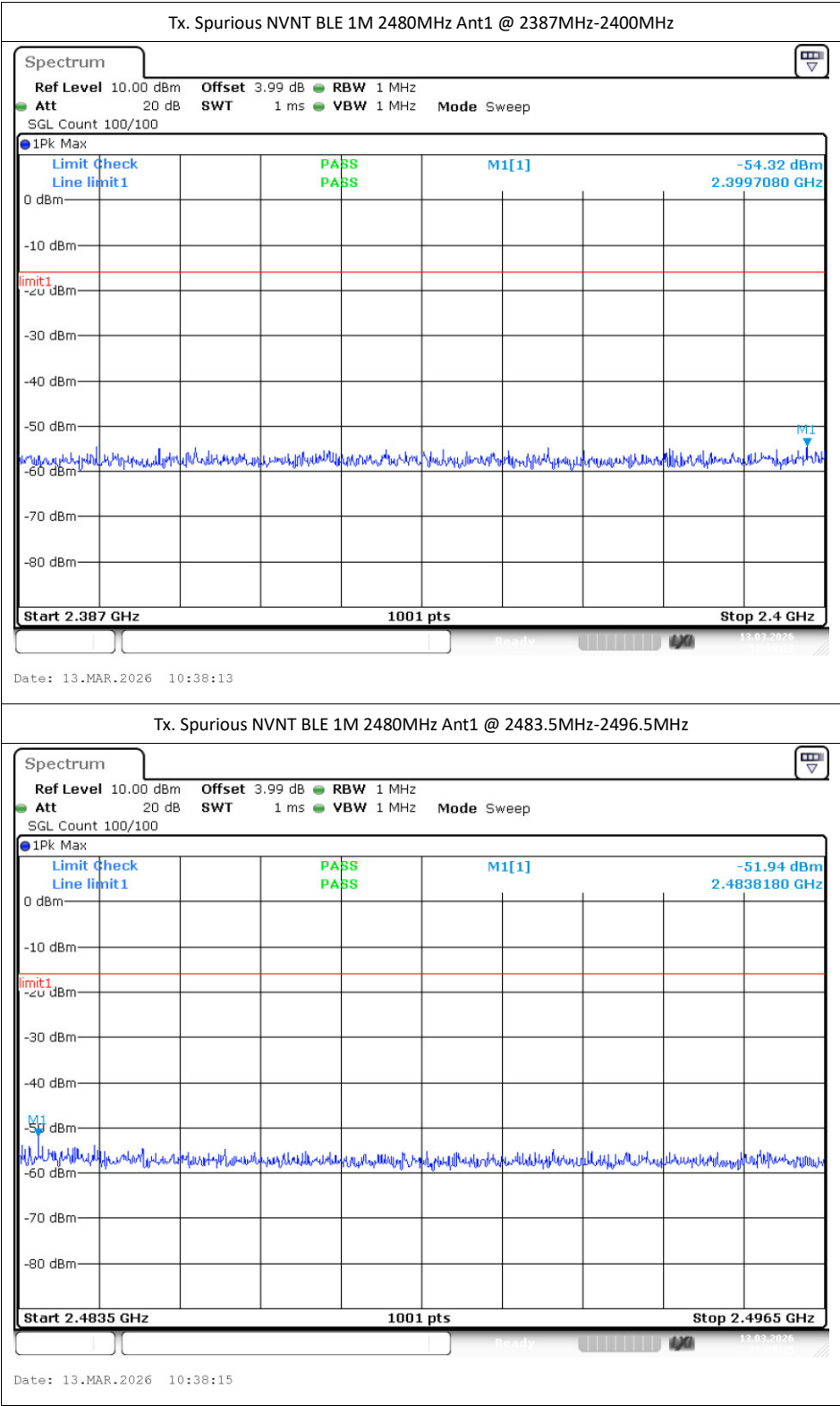


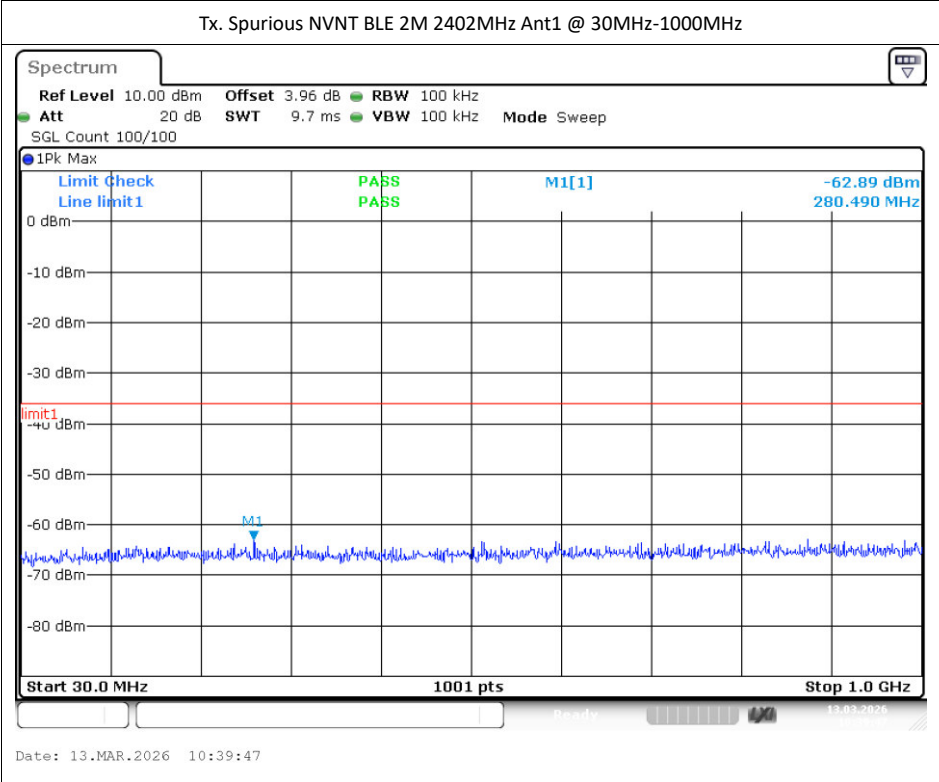
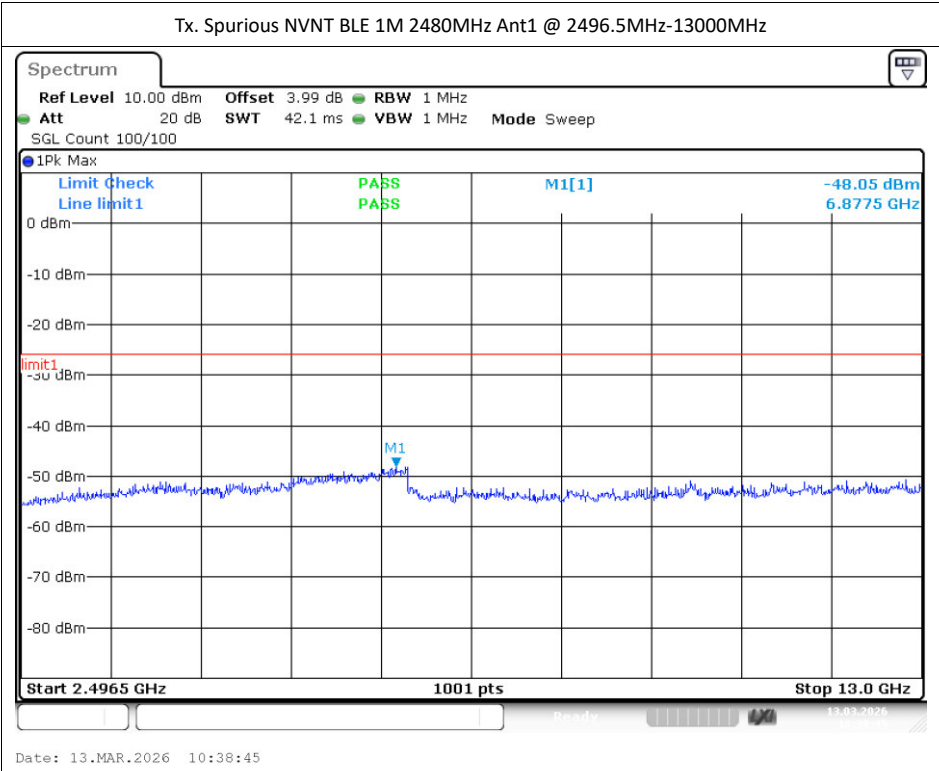


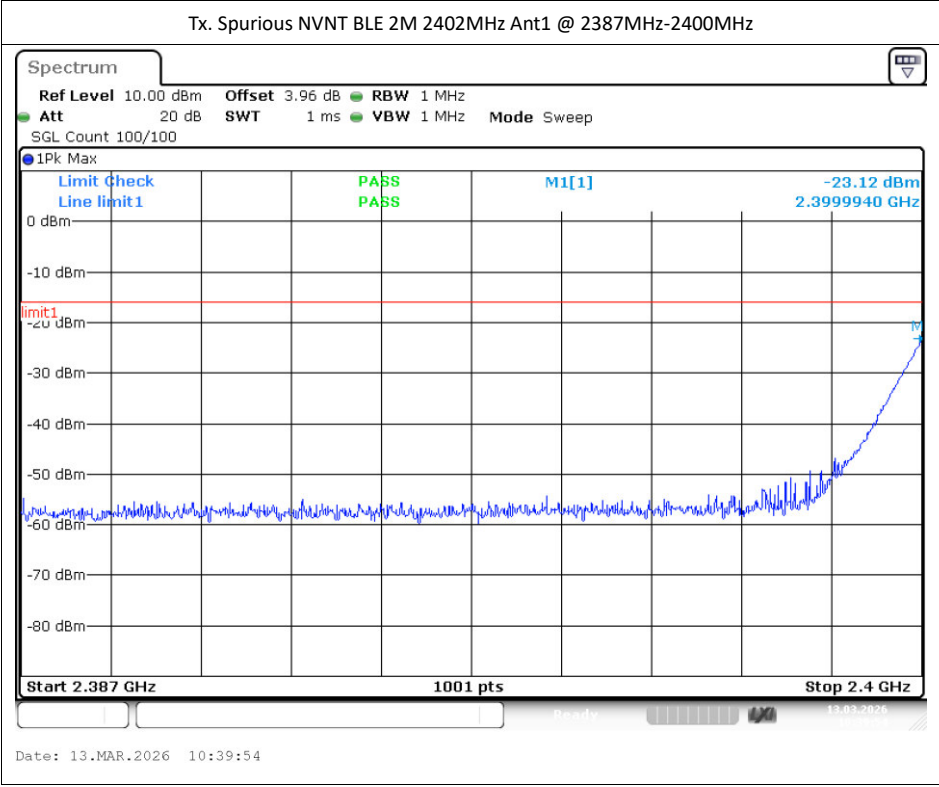
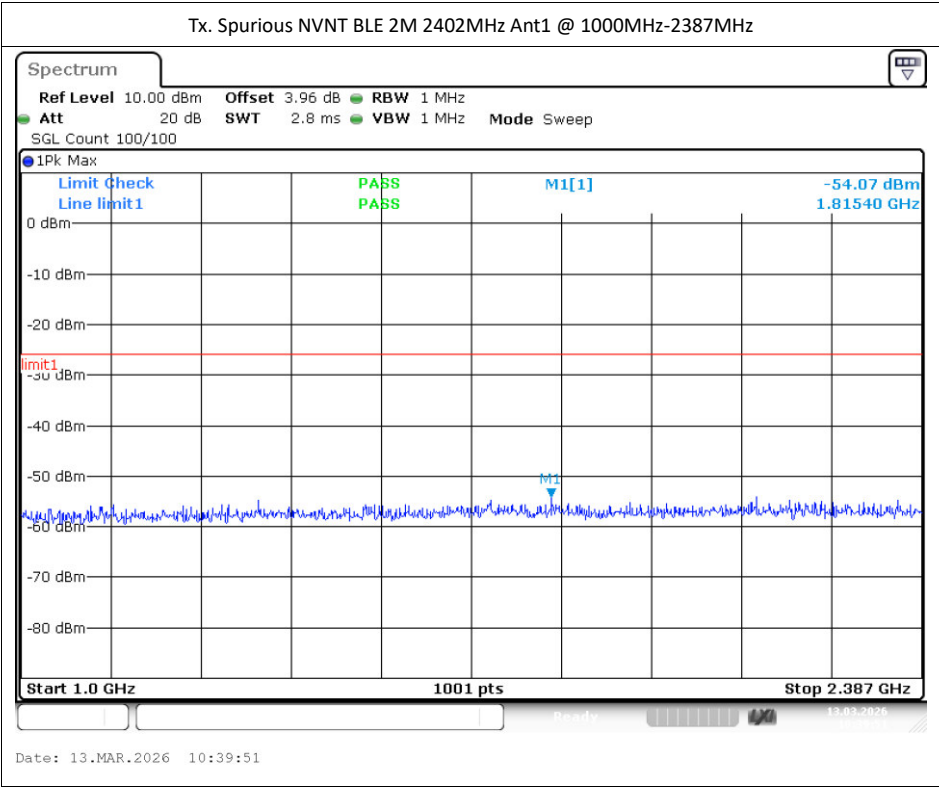


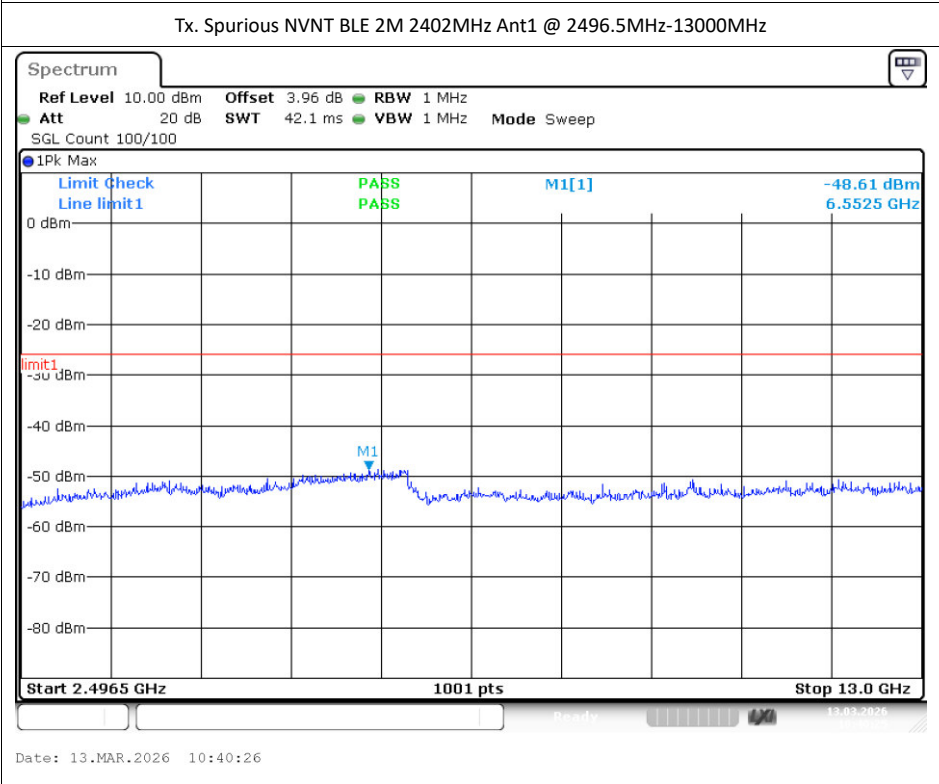
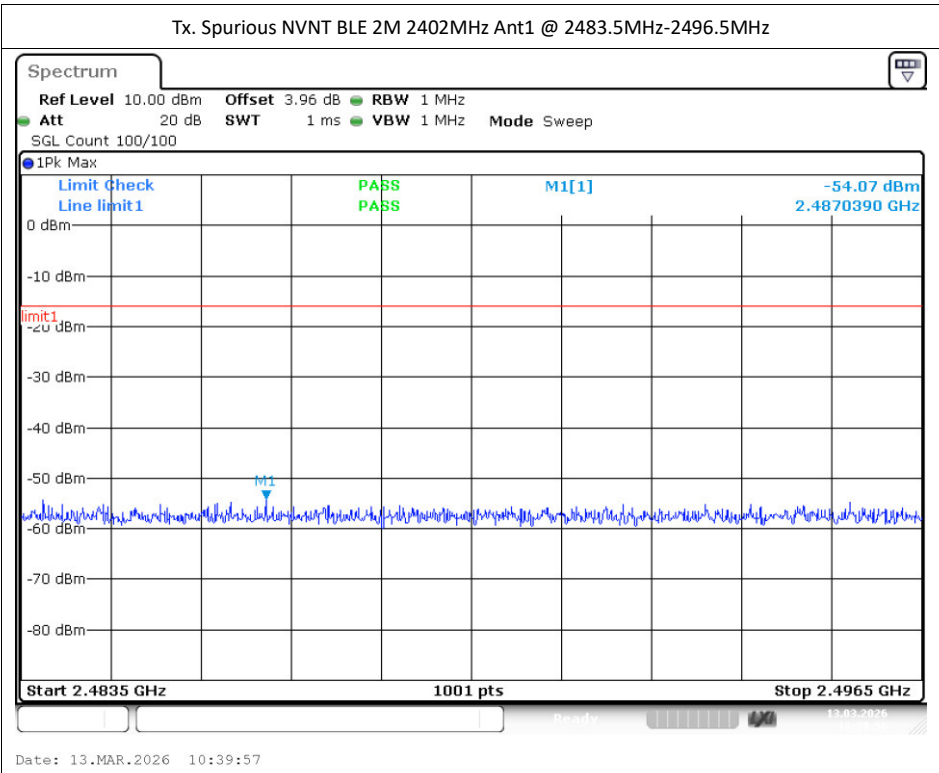




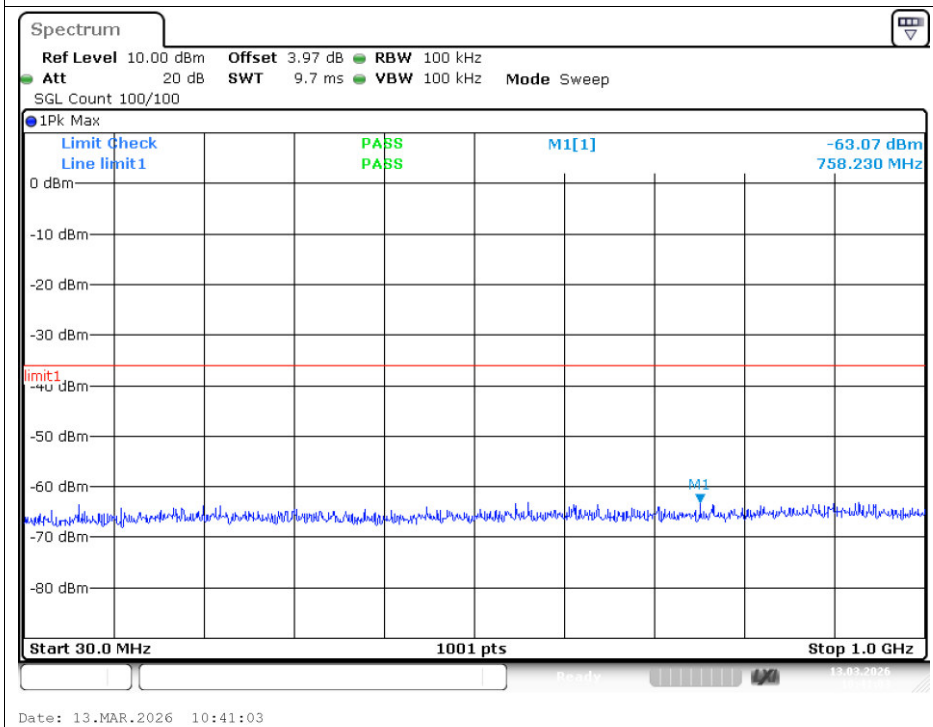




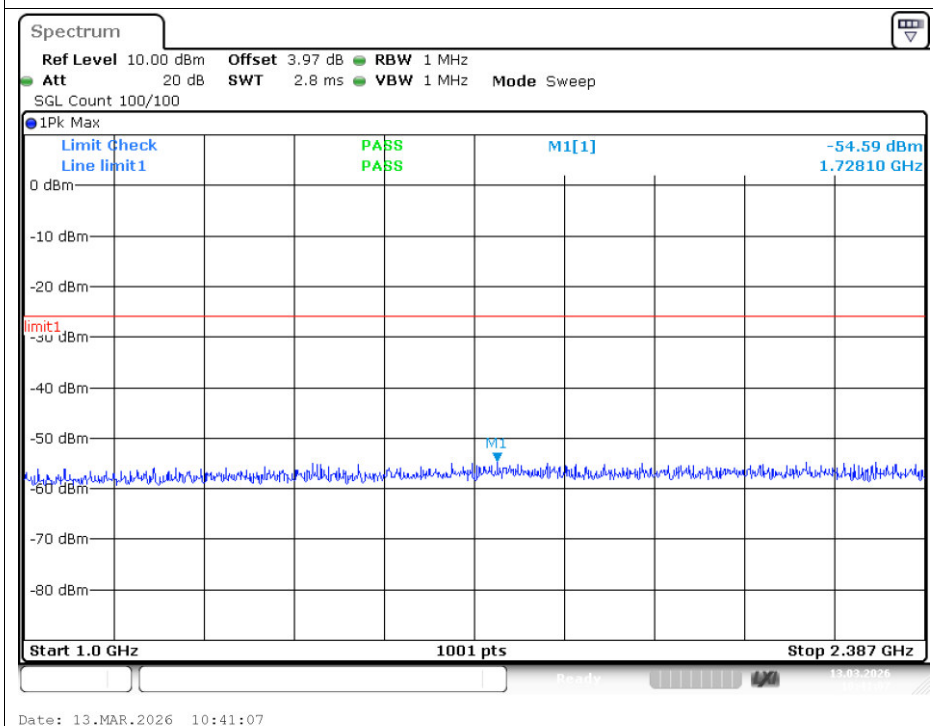


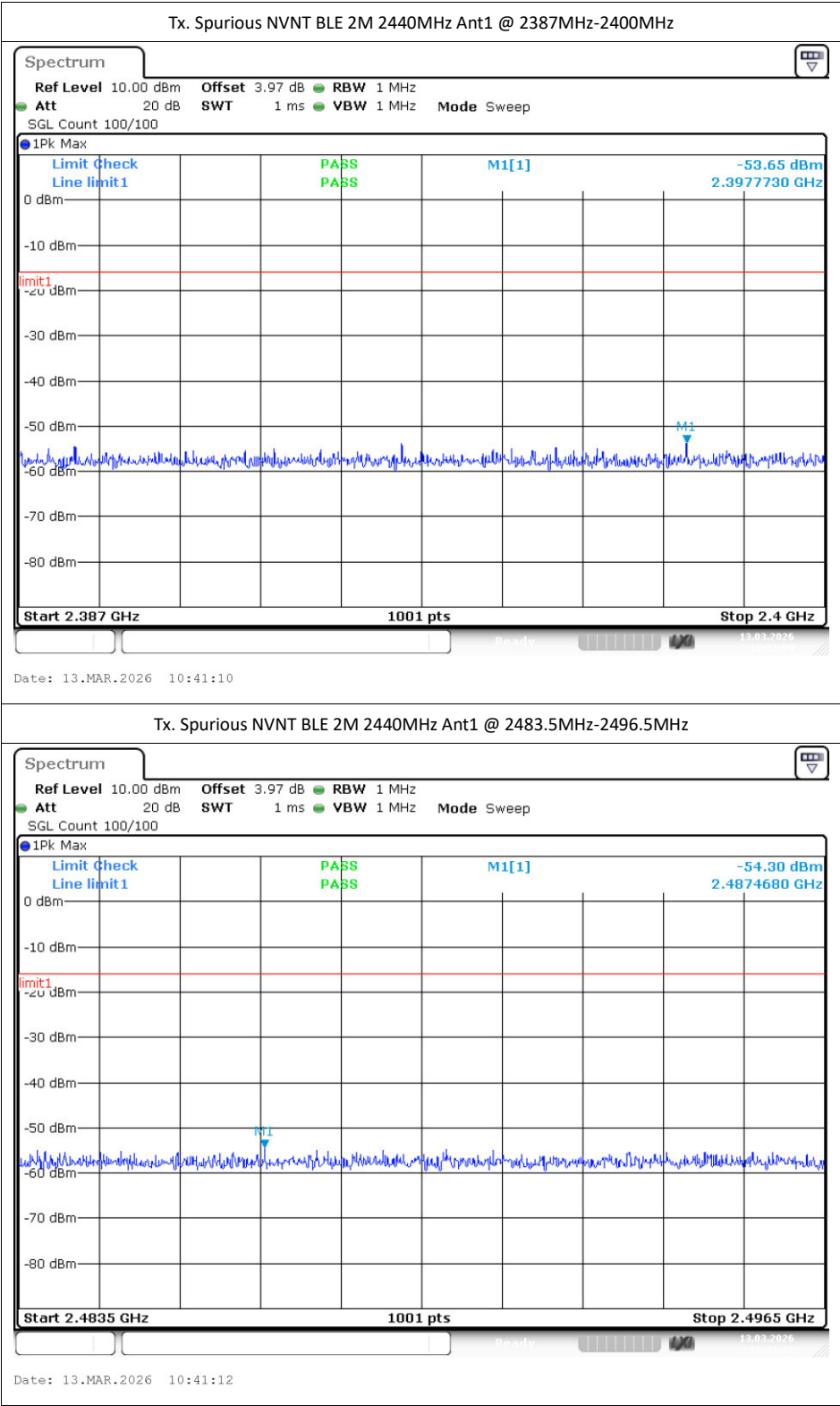


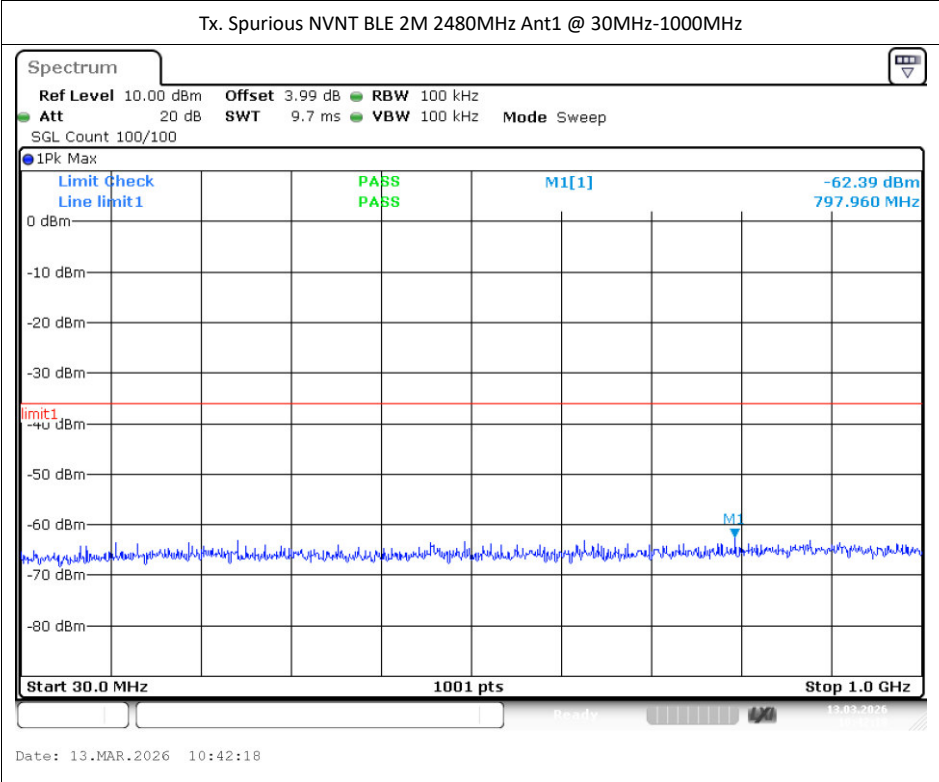
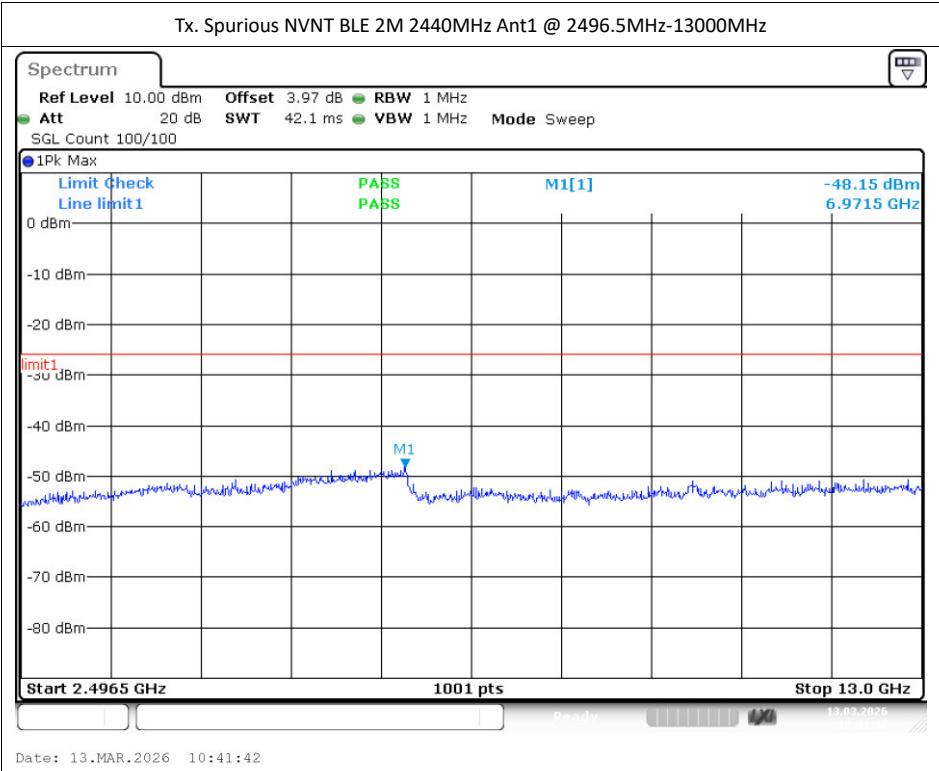
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz

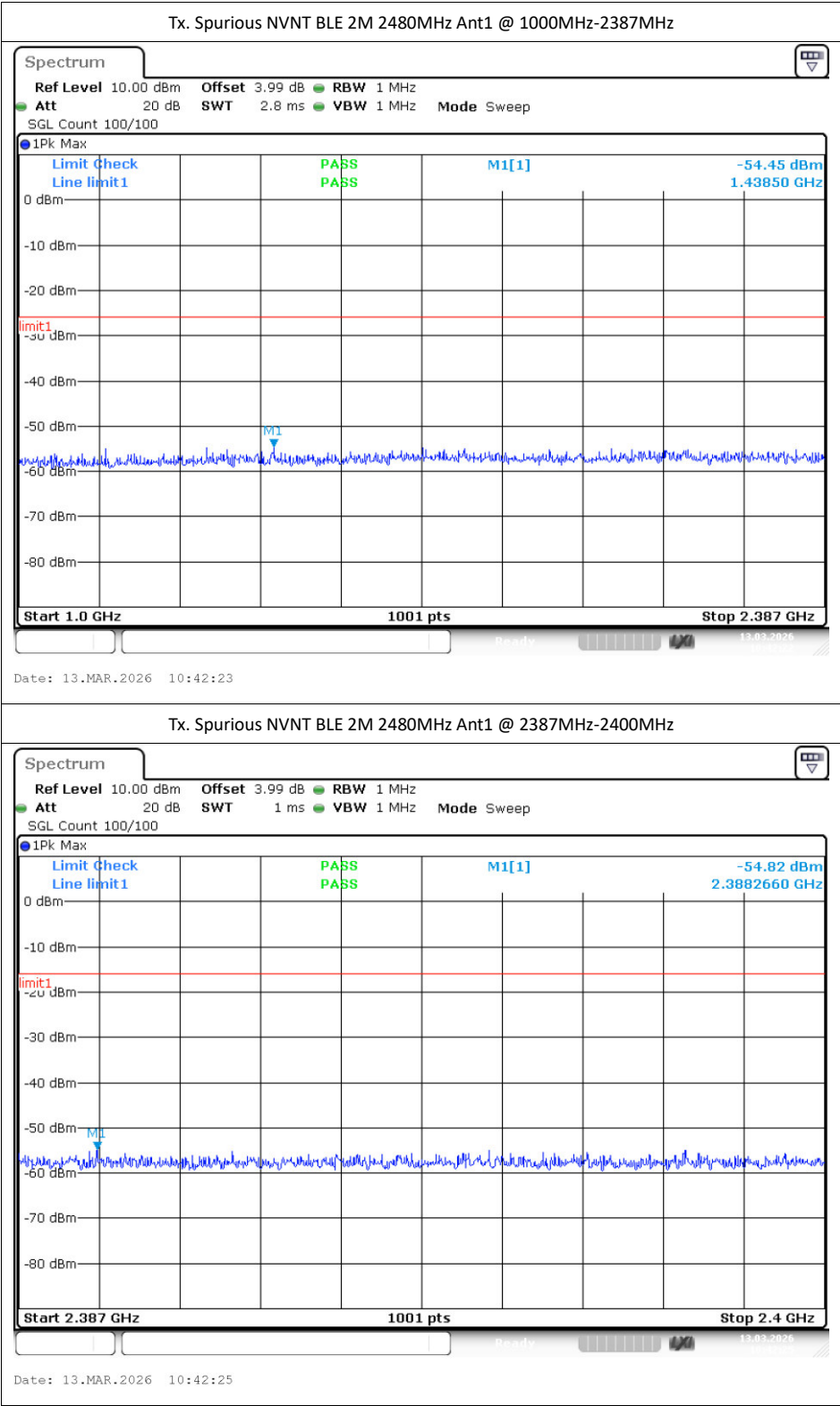


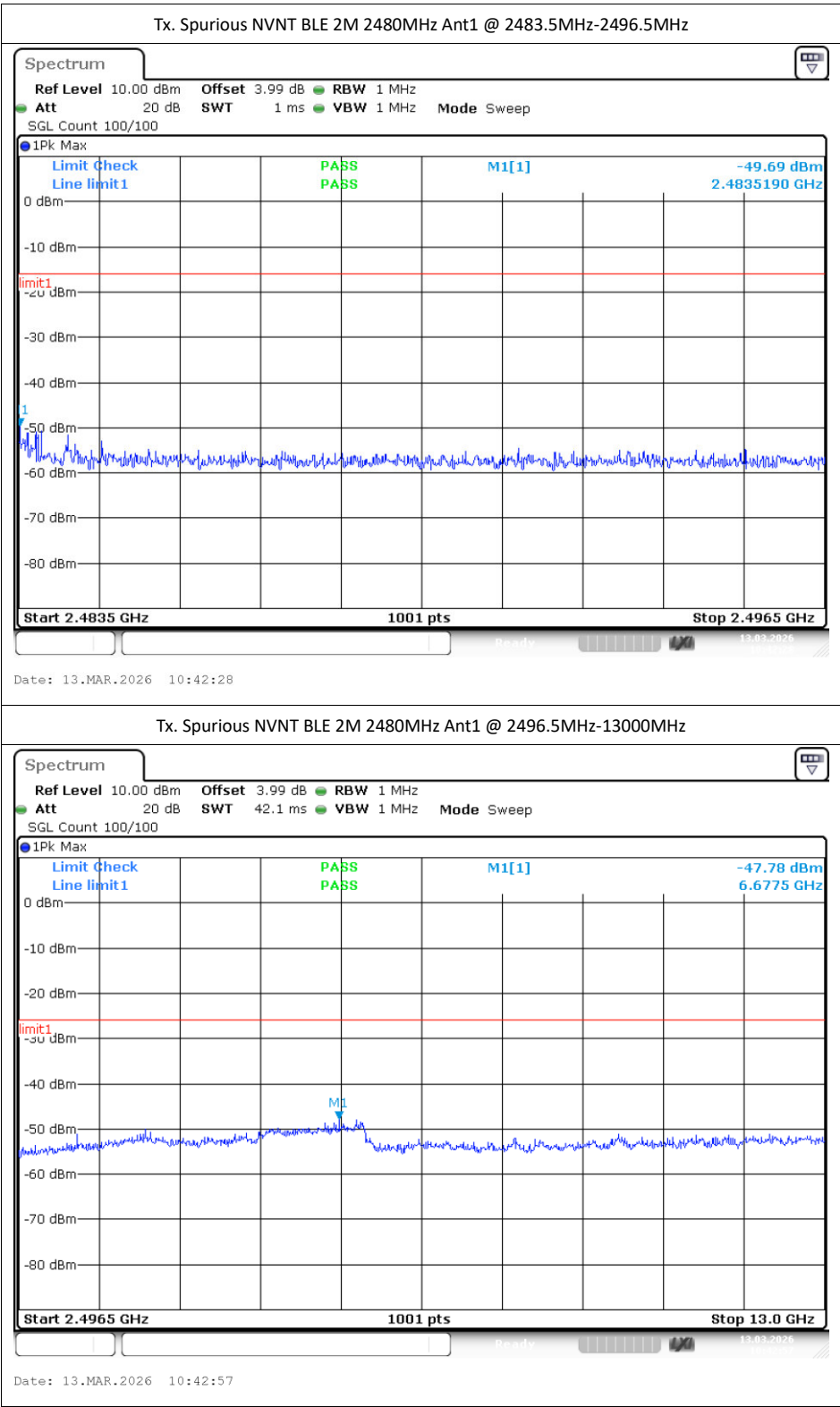
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-2387MHz





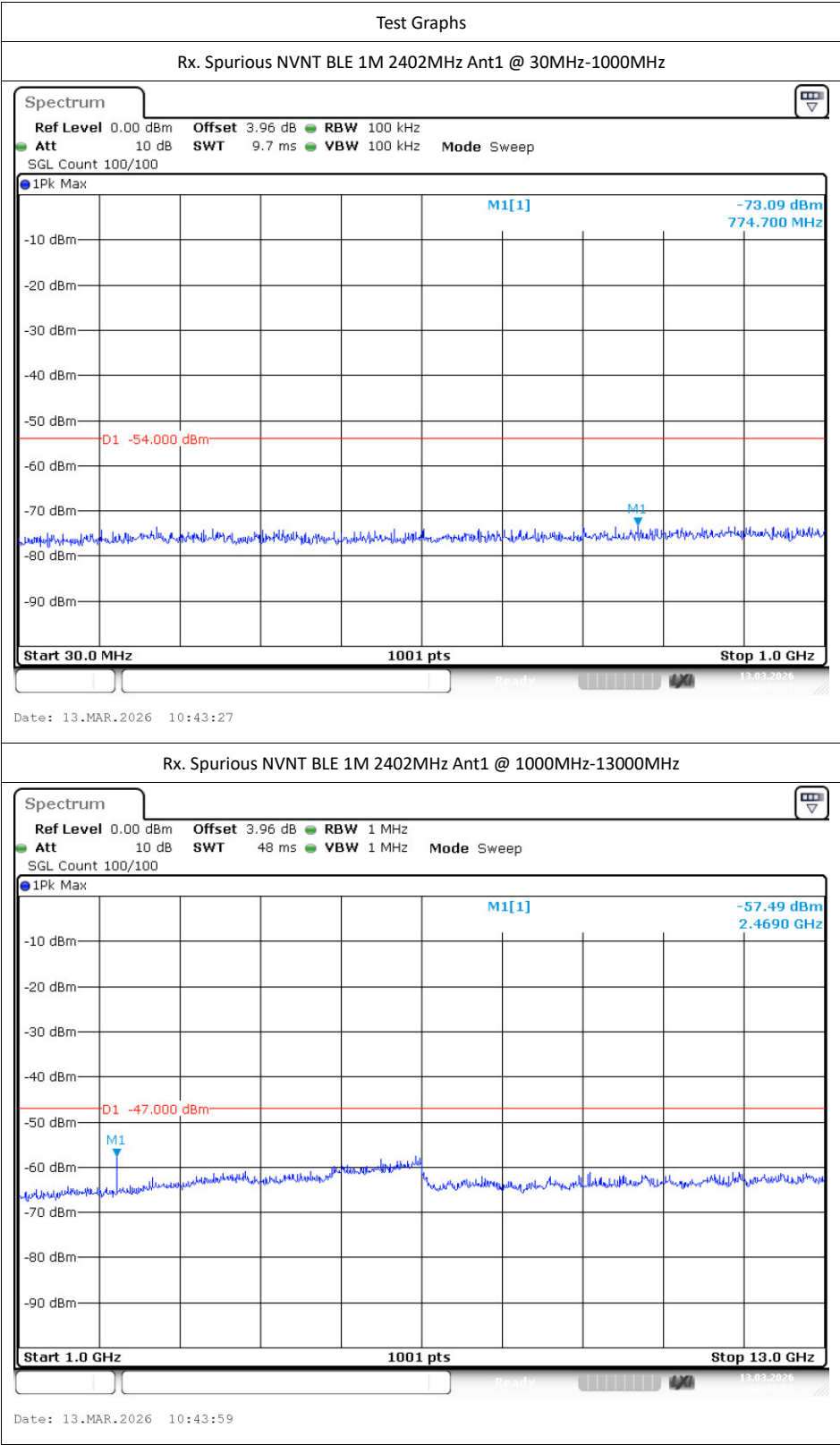




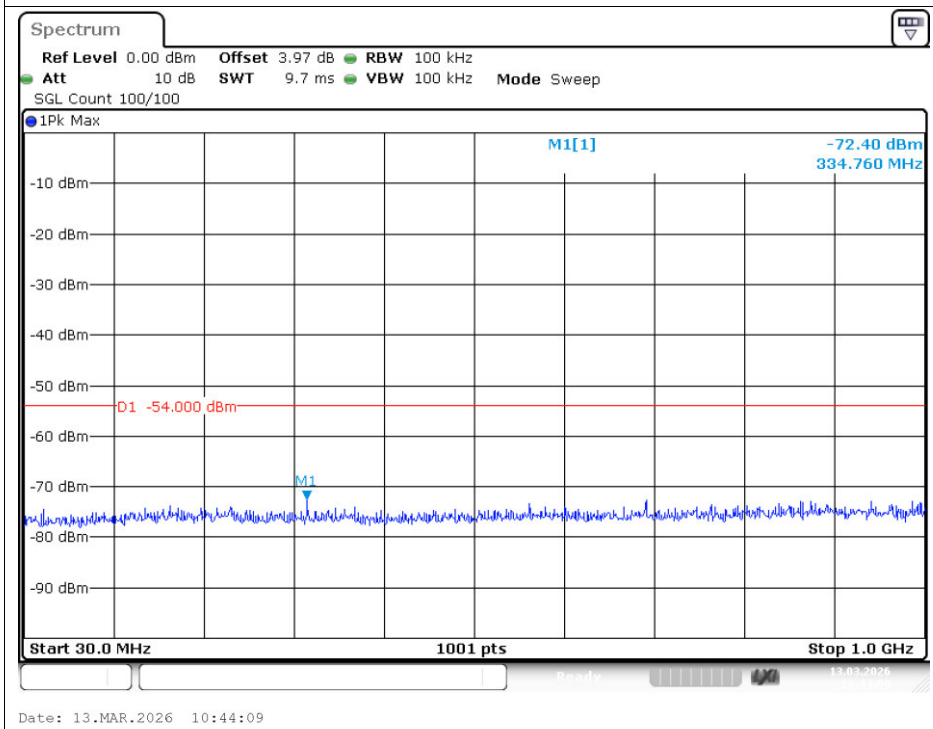


Rx Spurious Emission

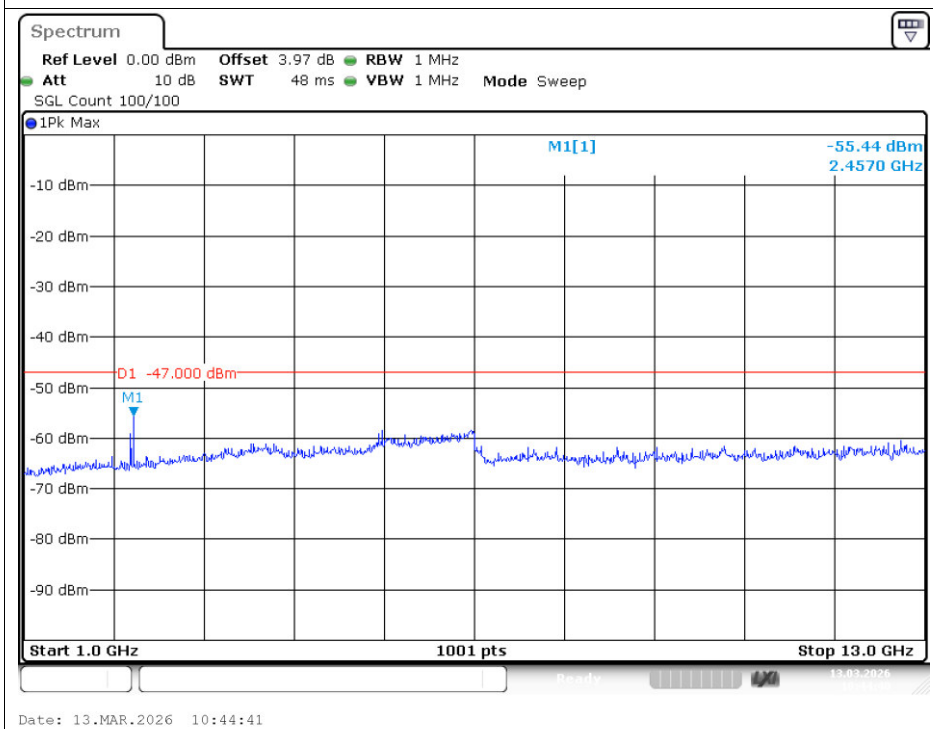
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	774.7	-73.09	-54	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	2469	-57.49	-47	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	334.76	-72.4	-54	Pass
NVNT	BLE 1M	2440	Ant1	1000-13000	2457	-55.44	-47	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	890.98	-73.19	-54	Pass
NVNT	BLE 1M	2480	Ant1	1000-13000	2457	-57.34	-47	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	976.26	-73.12	-54	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	6928	-58.21	-47	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	986.92	-73.31	-54	Pass
NVNT	BLE 2M	2440	Ant1	1000-13000	2469	-54.29	-47	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	930.71	-72.52	-54	Pass
NVNT	BLE 2M	2480	Ant1	1000-13000	6796	-58.09	-47	Pass

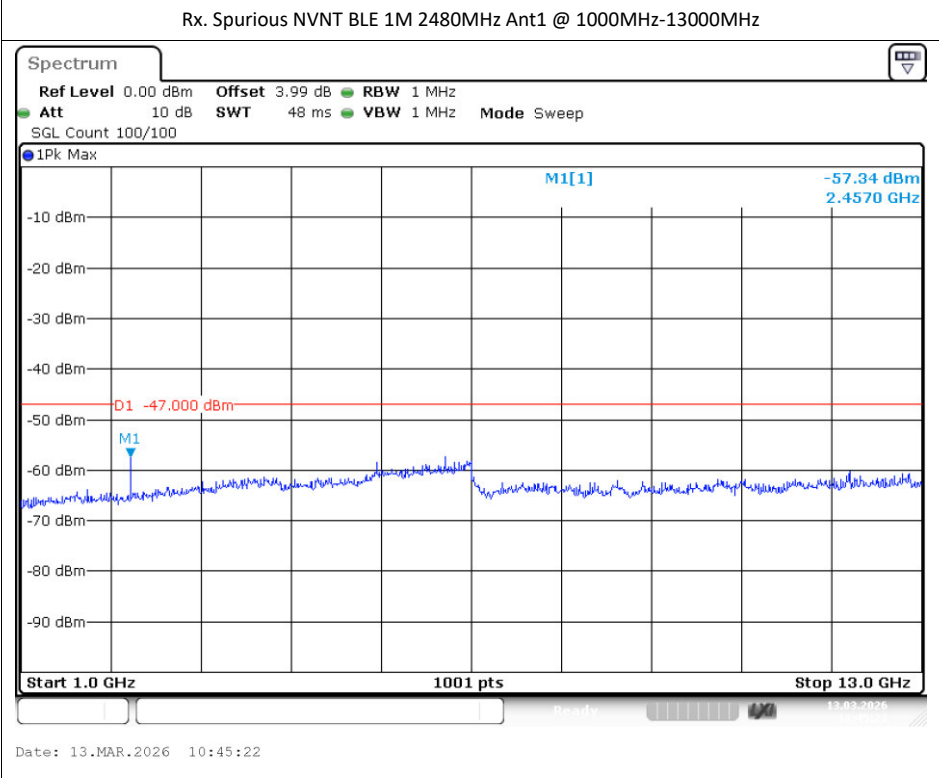
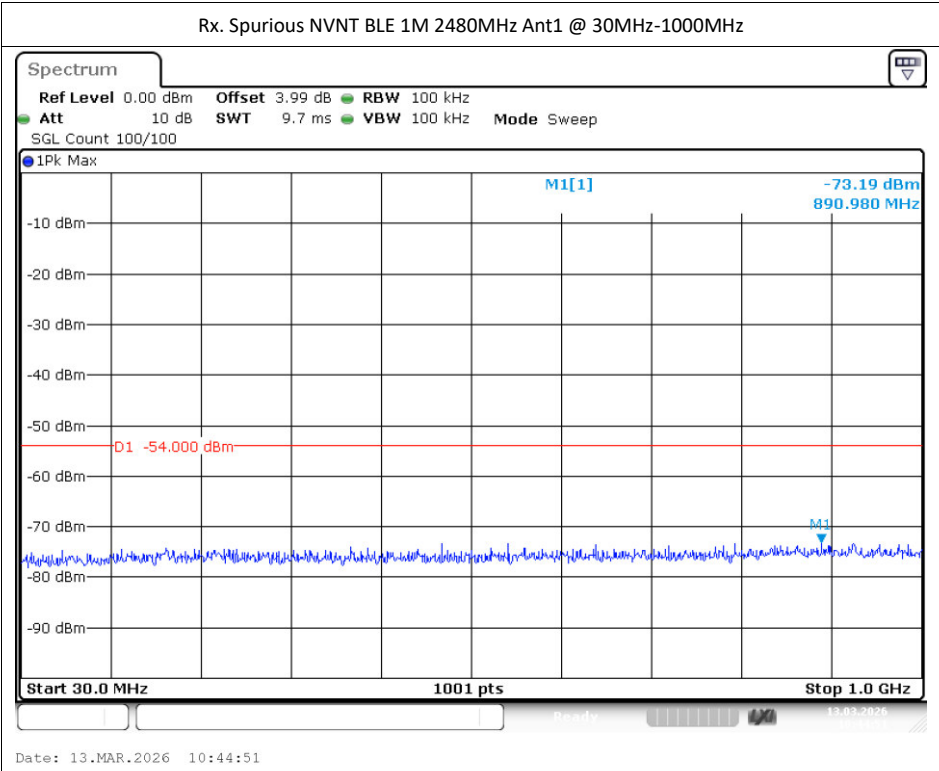


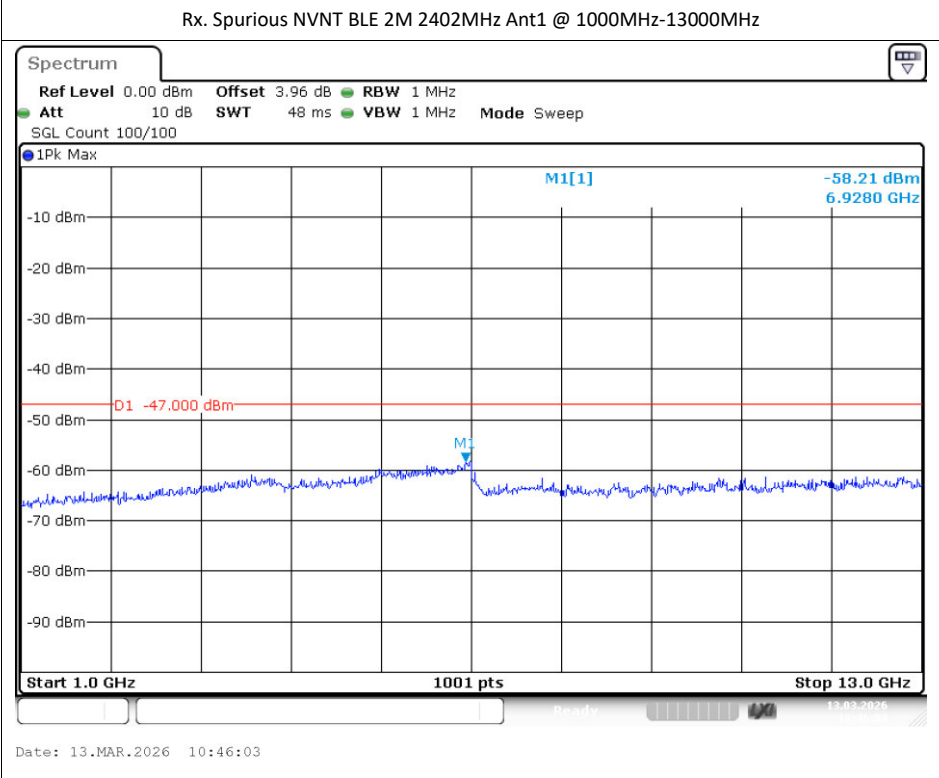
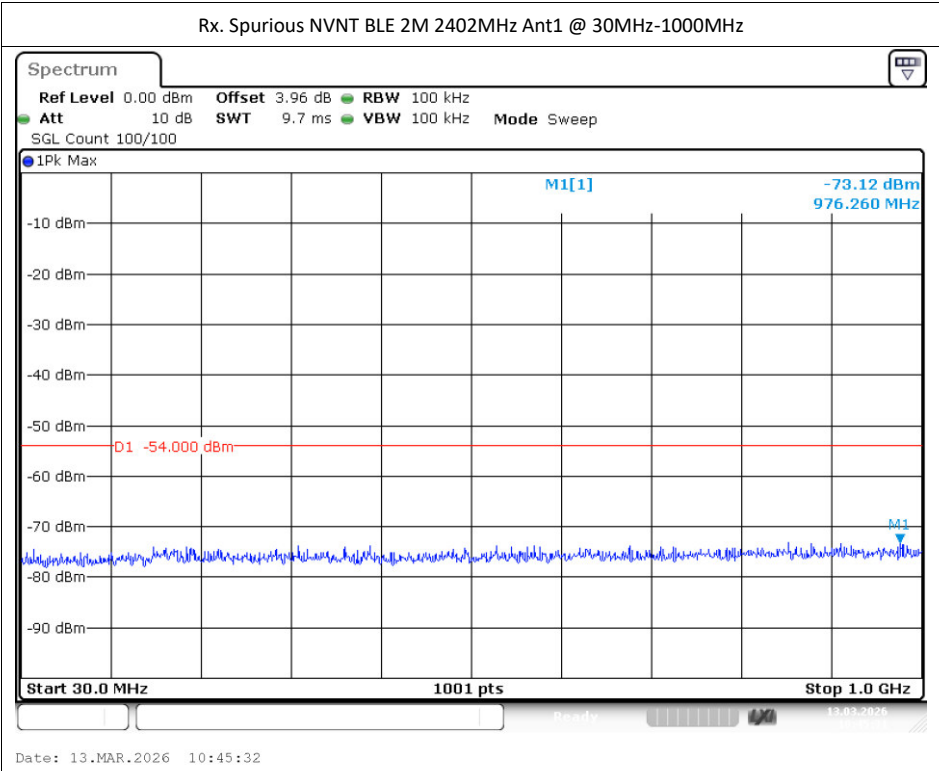
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



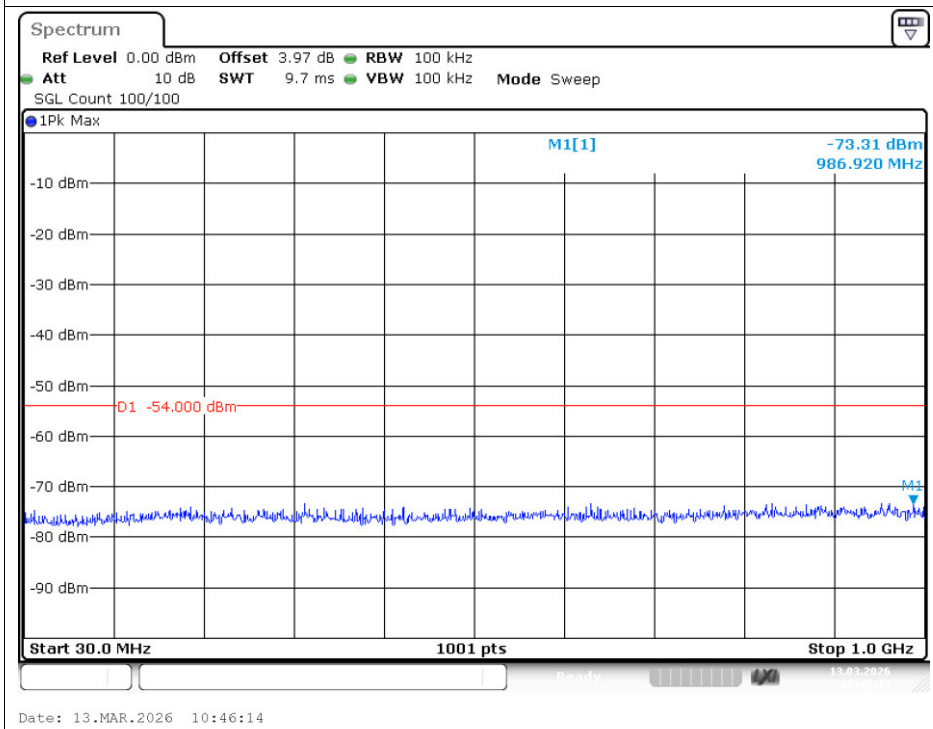
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-13000MHz







Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-13000MHz

