

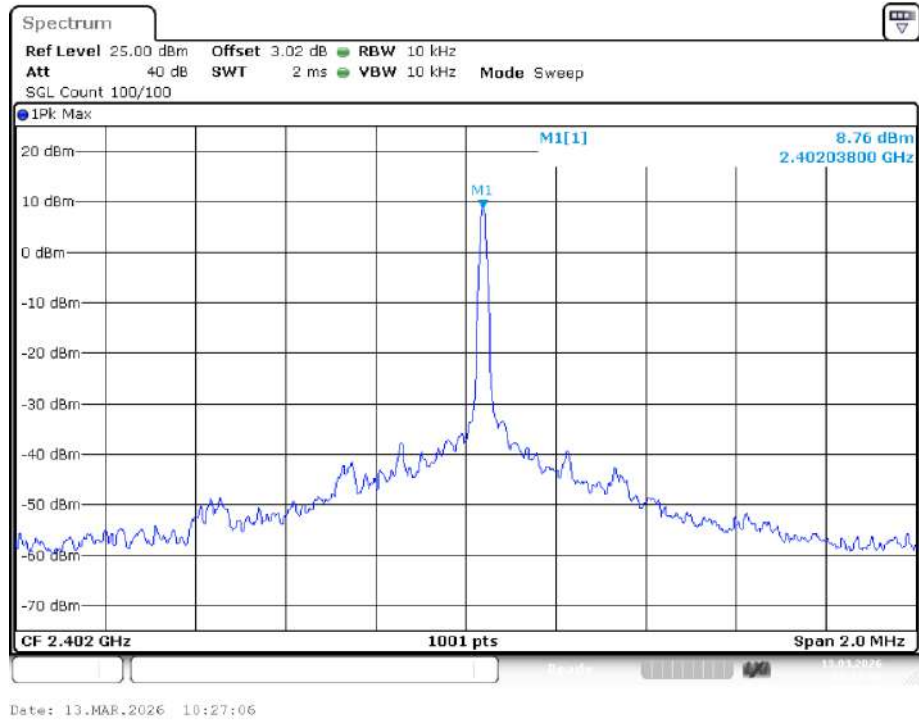
Appendix D

Frequency Error

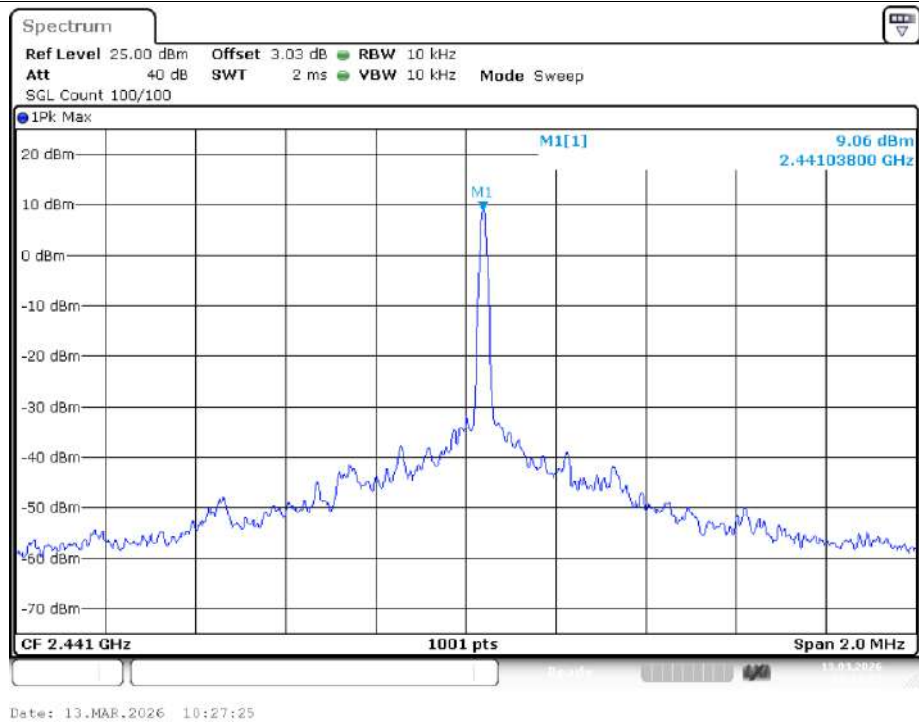
Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2402	Ant1	2402.038	38000	15.82	50	Pass
NVNT	2441	Ant1	2441.038	38000	15.57	50	Pass
NVNT	2480	Ant1	2480.04	40000	16.13	50	Pass

Test Graphs

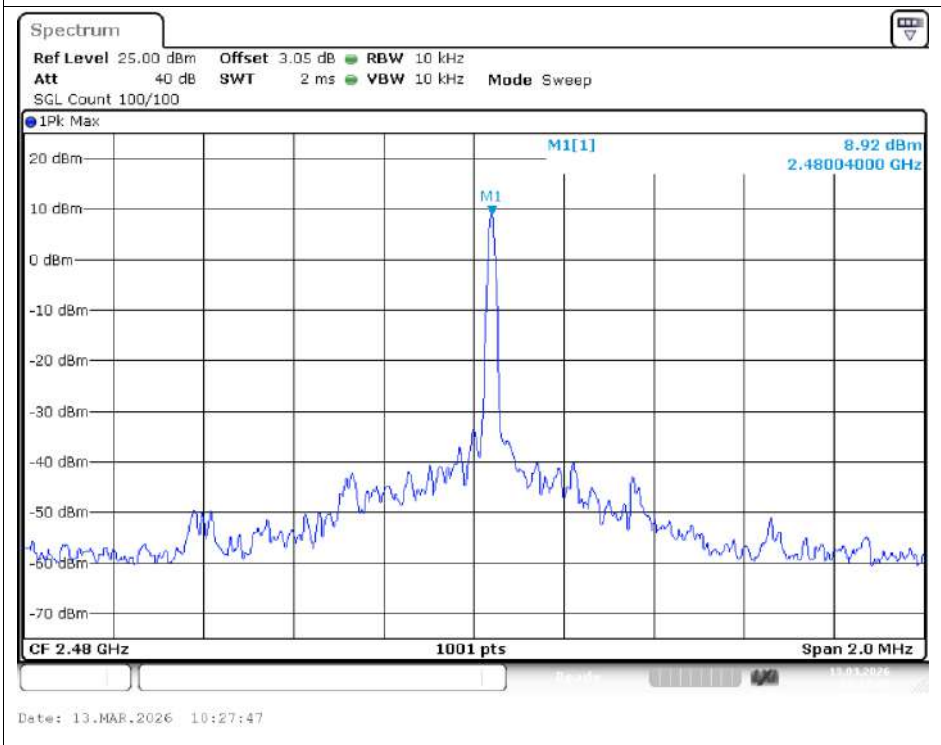
Freq. Error NVNT 1-DH5 2402MHz Ant1



Freq. Error NVNT 1-DH5 2441MHz Ant1



Freq. Error NVNT 1-DH5 2480MHz Ant1

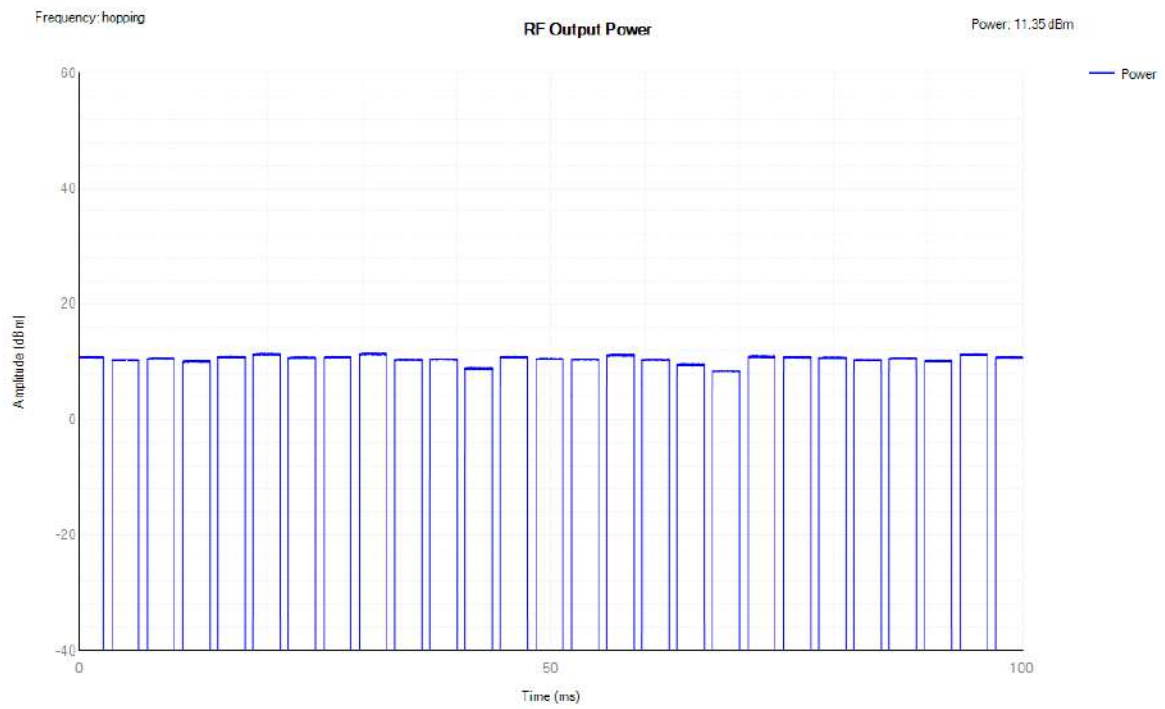


Antenna Power

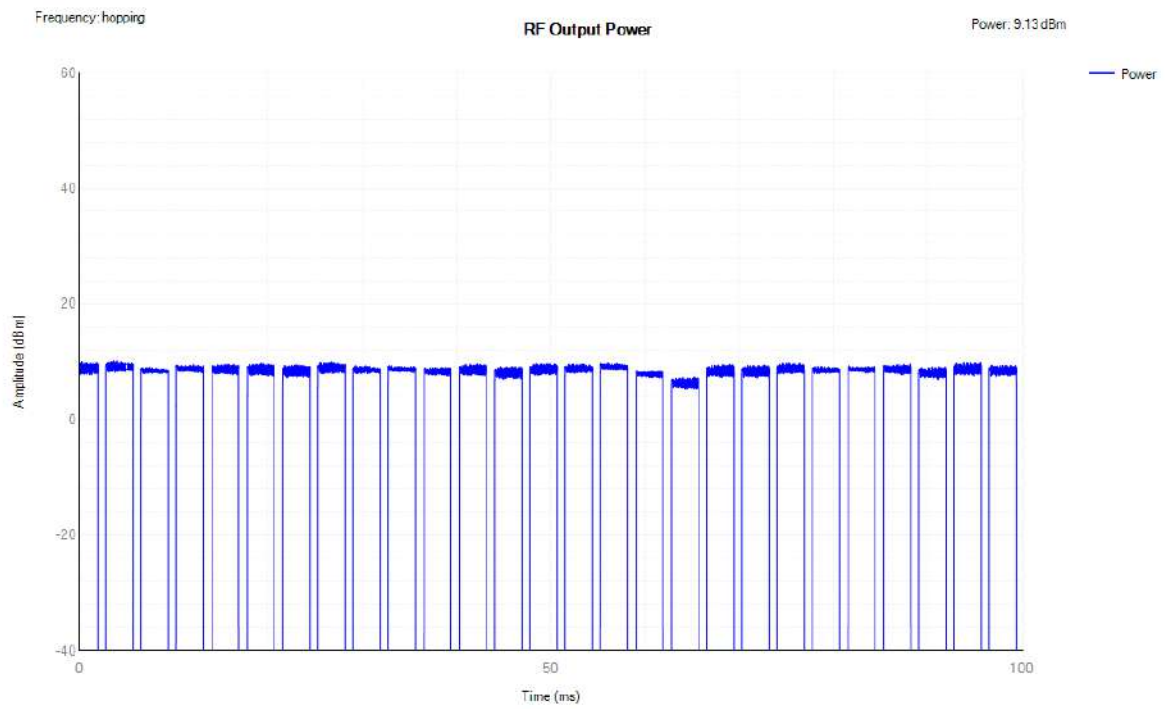
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Spread BW (MHz)	Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	1-DH5	hopping	Ant1	11.35	13.646	70.13	0.195	3	0.3	-35	20	Pass
NVNT	2-DH5	hopping	Ant1	9.13	8.185	68.931	0.119	3	0.2	-40.5	20	Pass
NVNT	3-DH5	hopping	Ant1	9.07	8.072	68.931	0.117	3	0.2	-41.5	20	Pass

Test Graphs

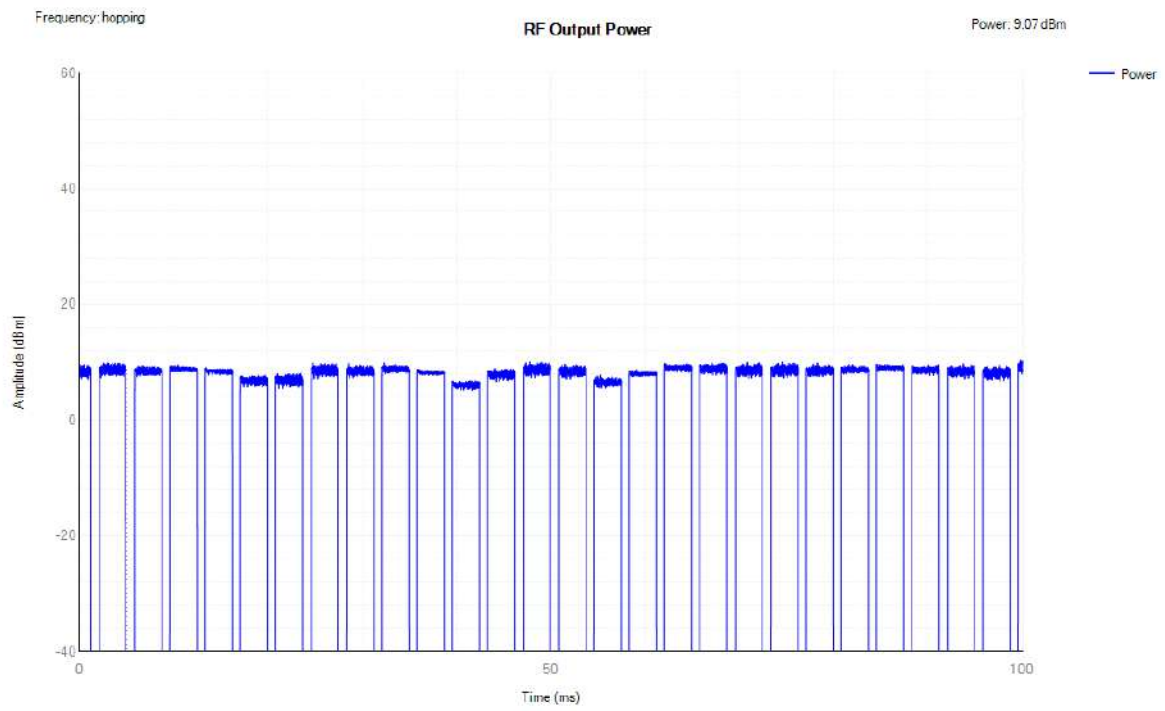
Power NVNT 1-DH5 hopping Ant1



Power NVNT 2-DH5 hopping Ant1



Power NVNT 3-DH5 hopping Ant1



EIRP Power

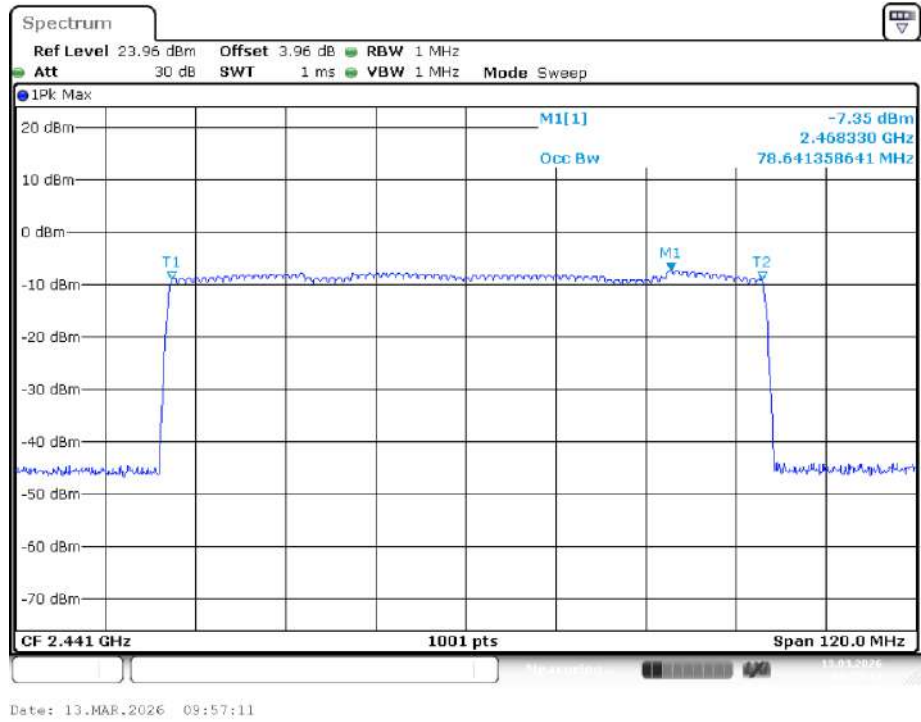
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW/MHz)	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP Power (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	1-DH5	hopping	Ant1	0.195	-7.1	0.94	-6.16	6.91	Pass
NVNT	2-DH5	hopping	Ant1	0.119	-9.24	0.94	-8.3	6.91	Pass
NVNT	3-DH5	hopping	Ant1	0.117	-9.32	0.94	-8.38	6.91	Pass

Occupied Channel Bandwidth (Hopping)

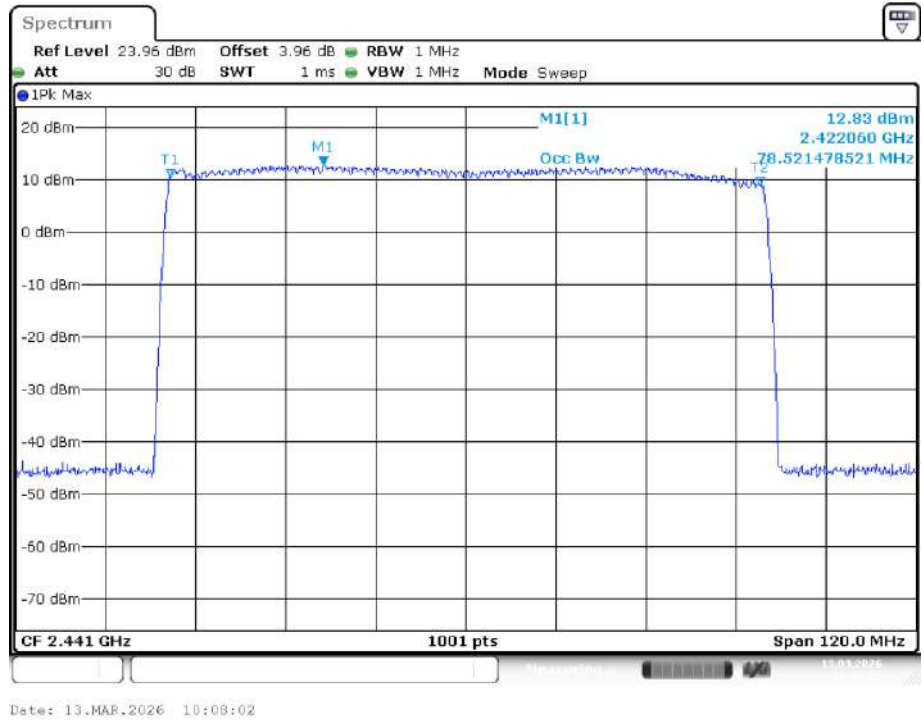
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	1-DH5	Hopping	Ant1	78.641	N/A	83.5	Pass
NVNT	2-DH5	Hopping	Ant1	78.521	N/A	83.5	Pass
NVNT	3-DH5	Hopping	Ant1	78.641	N/A	83.5	Pass

Test Graphs

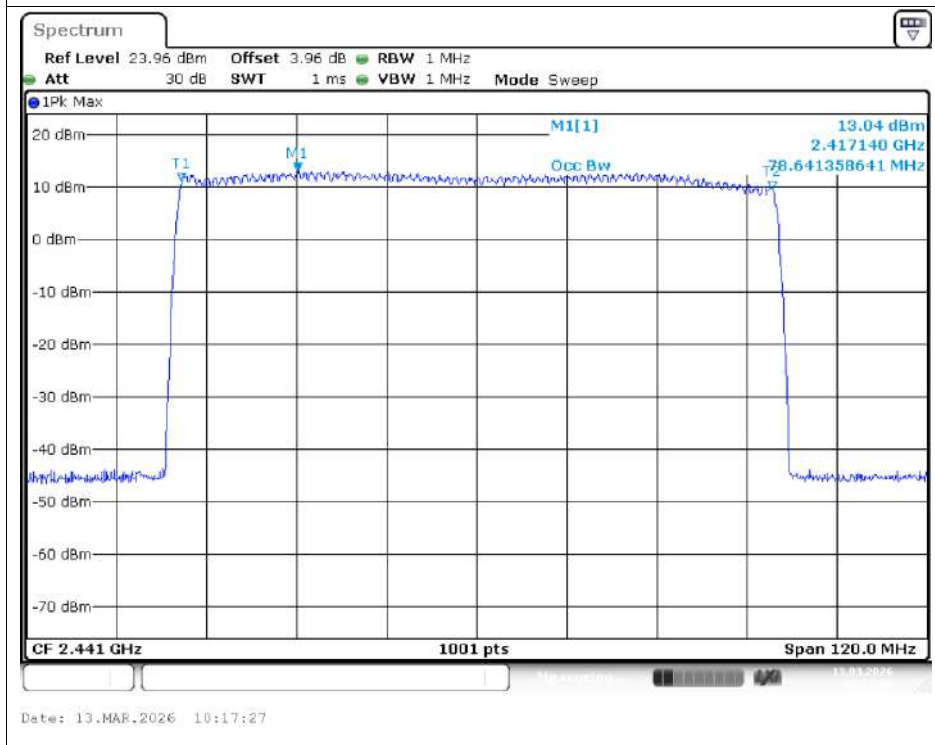
OBW (Hopping) NVNT 1-DH5 2402MHz Ant1



OBW (Hopping) NVNT 2-DH5 2402MHz Ant1



OBW (Hopping) NVNT 3-DH5 2402MHz Ant1

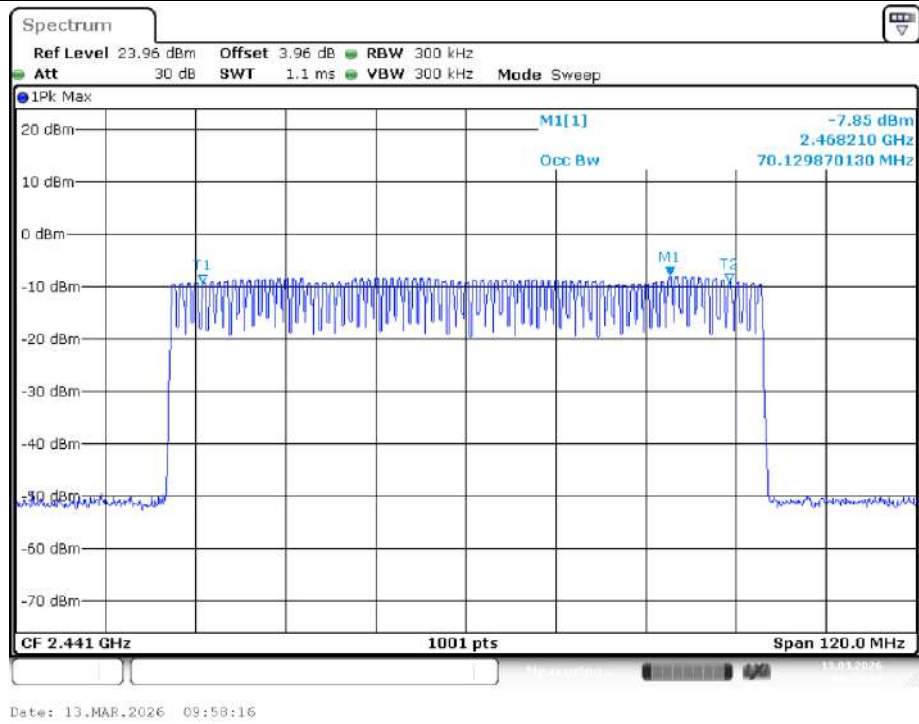


Spreading Bandwidth

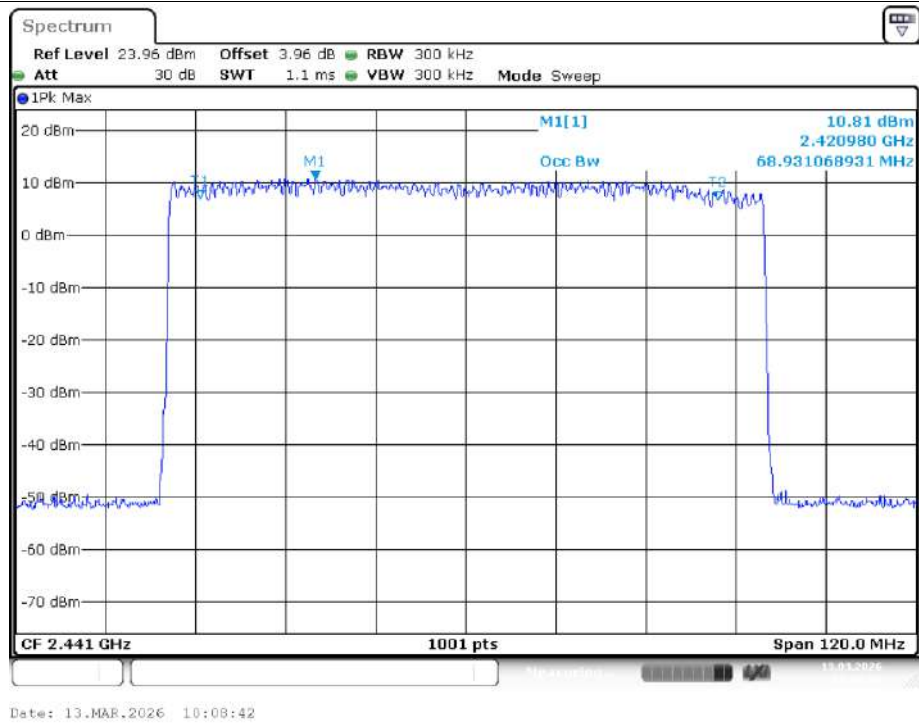
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)
NVNT	1-DH5	2402	Ant1	70.13
NVNT	2-DH5	2402	Ant1	68.931
NVNT	3-DH5	2402	Ant1	68.931

Test Graphs

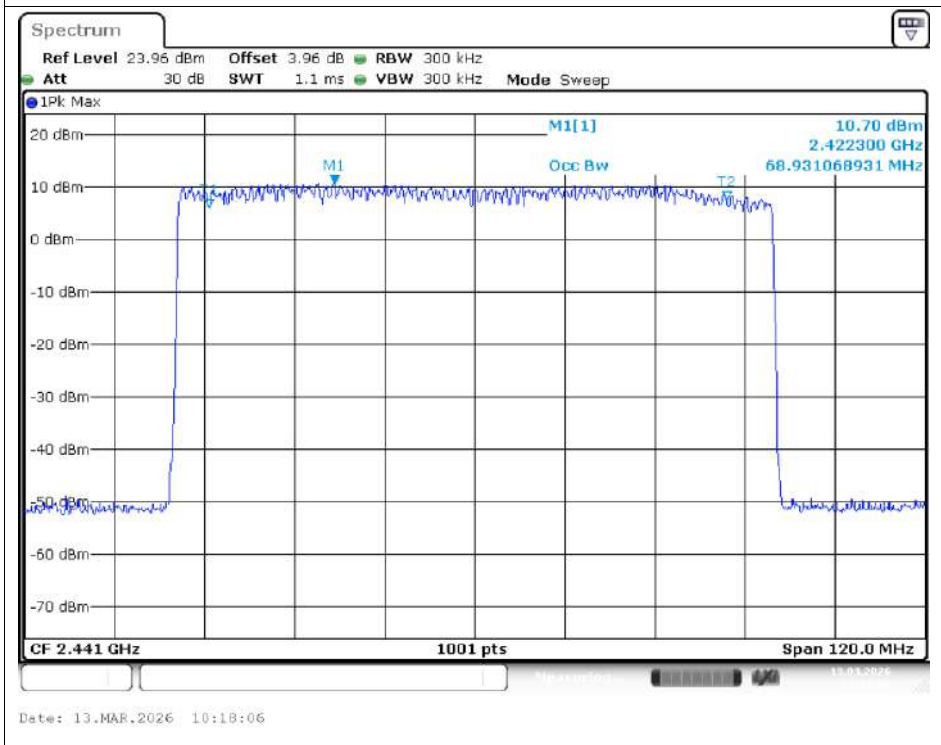
Spreading Bandwidth NVNT 1-DH5 2402MHz Ant1



Spreading Bandwidth NVNT 2-DH5 2402MHz Ant1



Spreading Bandwidth NVNT 3-DH5 2402MHz Ant1



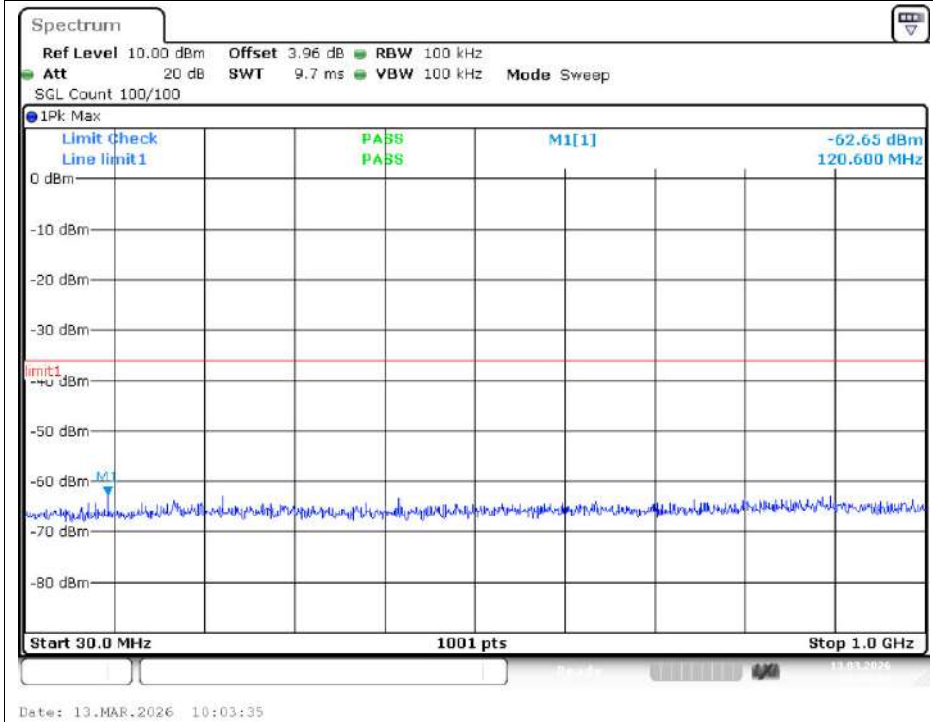
Tx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/100kHz)	Limit Start(dBm/100kHz)	Limit Stop (dBm/100kHz)	Verdict
NVNT	1-DH5	2402	Ant1	30-1000	120.6	-62.65	-36	-36	Pass
NVNT	1-DH5	2441	Ant1	30-1000	850.28	-62.58	-36	-36	Pass
NVNT	1-DH5	2480	Ant1	30-1000	909.4	-62.61	-36	-36	Pass
NVNT	2-DH5	2402	Ant1	30-1000	903.58	-62.18	-36	-36	Pass
NVNT	2-DH5	2441	Ant1	30-1000	857.07	-62.41	-36	-36	Pass
NVNT	2-DH5	2480	Ant1	30-1000	907.46	-63.15	-36	-36	Pass
NVNT	3-DH5	2402	Ant1	30-1000	847.38	-62.78	-36	-36	Pass
NVNT	3-DH5	2441	Ant1	30-1000	839.63	-63.05	-36	-36	Pass
NVNT	3-DH5	2480	Ant1	30-1000	248.52	-63.1	-36	-36	Pass

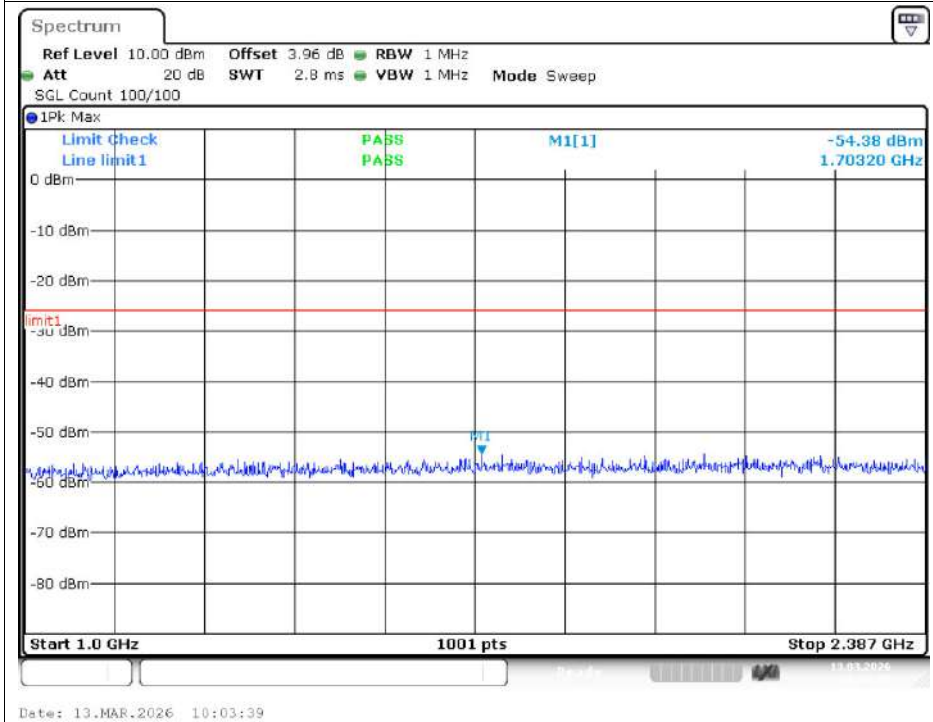
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit Start(dBm/MHz)	Limit Stop (dBm/MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1000-2387	1703.2	-54.38	-26	-26	Pass
NVNT	1-DH5	2402	Ant1	2387-2400	2399.99	-27.96	-16	-16	Pass
NVNT	1-DH5	2402	Ant1	2483.5-2496.5	2493.1	-54.36	-16	-16	Pass
NVNT	1-DH5	2402	Ant1	2496.5-13000	6667.5	-48.57	-26	-26	Pass
NVNT	1-DH5	2441	Ant1	1000-2387	2225.6	-53.91	-26	-26	Pass
NVNT	1-DH5	2441	Ant1	2387-2400	2399.36	-53.25	-16	-16	Pass
NVNT	1-DH5	2441	Ant1	2483.5-2496.5	2484.9	-54.58	-16	-16	Pass
NVNT	1-DH5	2441	Ant1	2496.5-13000	6803.5	-48.2	-26	-26	Pass
NVNT	1-DH5	2480	Ant1	1000-2387	2200.6	-54.29	-26	-26	Pass
NVNT	1-DH5	2480	Ant1	2387-2400	2395.37	-53.74	-16	-16	Pass
NVNT	1-DH5	2480	Ant1	2483.5-2496.5	2483.56	-44.04	-16	-16	Pass
NVNT	1-DH5	2480	Ant1	2496.5-13000	6667.5	-47.89	-26	-26	Pass
NVNT	2-DH5	2402	Ant1	1000-2387	2221.4	-53.57	-26	-26	Pass
NVNT	2-DH5	2402	Ant1	2387-2400	2399.99	-23.14	-16	-16	Pass
NVNT	2-DH5	2402	Ant1	2483.5-2496.5	2484.36	-51.25	-16	-16	Pass
NVNT	2-DH5	2402	Ant1	2496.5-13000	6919.5	-47.95	-26	-26	Pass
NVNT	2-DH5	2441	Ant1	1000-2387	1715.7	-54.14	-26	-26	Pass
NVNT	2-DH5	2441	Ant1	2387-2400	2399.93	-25.88	-16	-16	Pass
NVNT	2-DH5	2441	Ant1	2483.5-2496.5	2483.52	-51.61	-16	-16	Pass
NVNT	2-DH5	2441	Ant1	2496.5-13000	6877.5	-47.94	-26	-26	Pass
NVNT	2-DH5	2480	Ant1	1000-2387	2229.7	-54.55	-26	-26	Pass
NVNT	2-DH5	2480	Ant1	2387-2400	2398.47	-51.18	-16	-16	Pass
NVNT	2-DH5	2480	Ant1	2483.5-2496.5	2484.27	-49.19	-16	-16	Pass
NVNT	2-DH5	2480	Ant1	2496.5-13000	6877.5	-47.66	-26	-26	Pass
NVNT	3-DH5	2402	Ant1	1000-2387	1369.3	-53.99	-26	-26	Pass
NVNT	3-DH5	2402	Ant1	2387-2400	2399.99	-21.89	-16	-16	Pass
NVNT	3-DH5	2402	Ant1	2483.5-2496.5	2490.42	-54.56	-16	-16	Pass
NVNT	3-DH5	2402	Ant1	2496.5-13000	6992.5	-47.81	-26	-26	Pass
NVNT	3-DH5	2441	Ant1	1000-2387	2035.7	-54.02	-26	-26	Pass
NVNT	3-DH5	2441	Ant1	2387-2400	2397.42	-53.51	-16	-16	Pass
NVNT	3-DH5	2441	Ant1	2483.5-2496.5	2483.82	-54.19	-16	-16	Pass
NVNT	3-DH5	2441	Ant1	2496.5-13000	6751.5	-48.13	-26	-26	Pass
NVNT	3-DH5	2480	Ant1	1000-2387	2082.9	-54.27	-26	-26	Pass
NVNT	3-DH5	2480	Ant1	2387-2400	2392.19	-53.57	-16	-16	Pass
NVNT	3-DH5	2480	Ant1	2483.5-2496.5	2483.71	-46.18	-16	-16	Pass
NVNT	3-DH5	2480	Ant1	2496.5-13000	6961.5	-48.26	-26	-26	Pass

Test Graphs

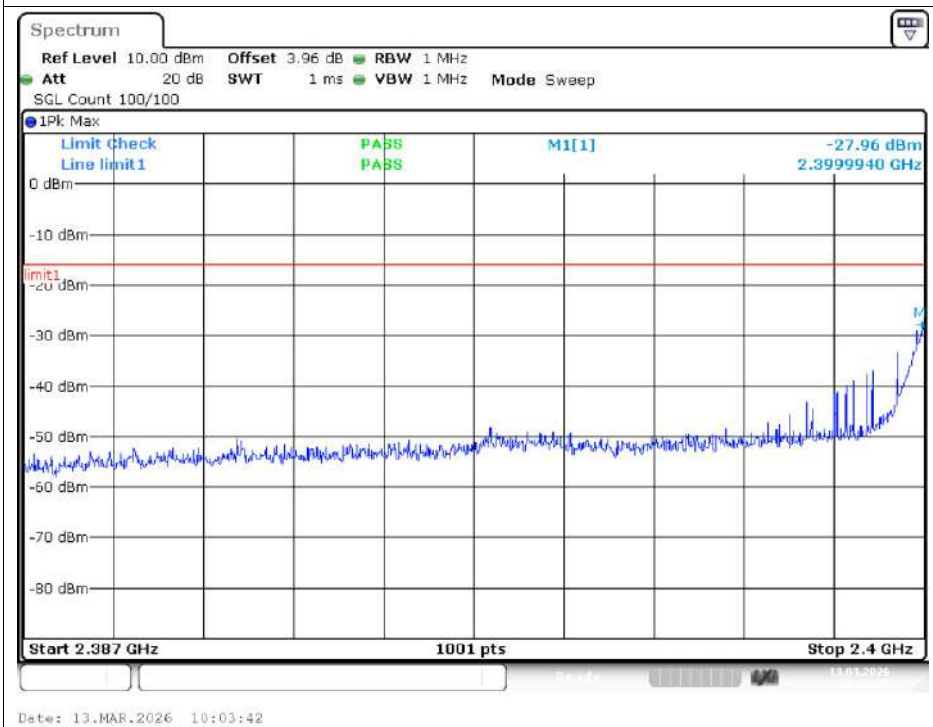
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 30MHz-1000MHz



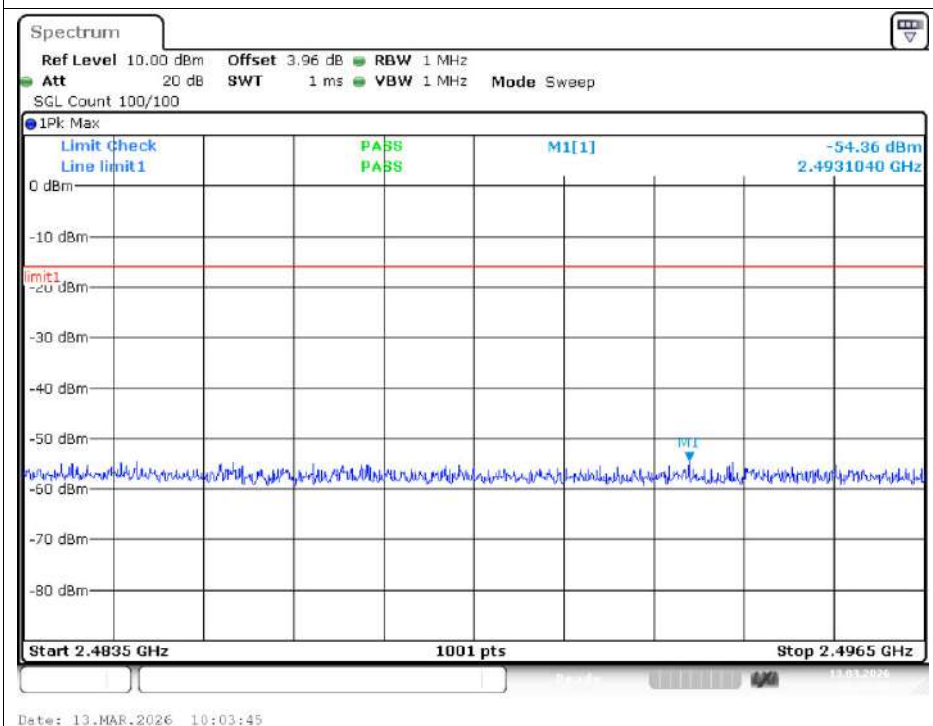
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 1000MHz-2387MHz

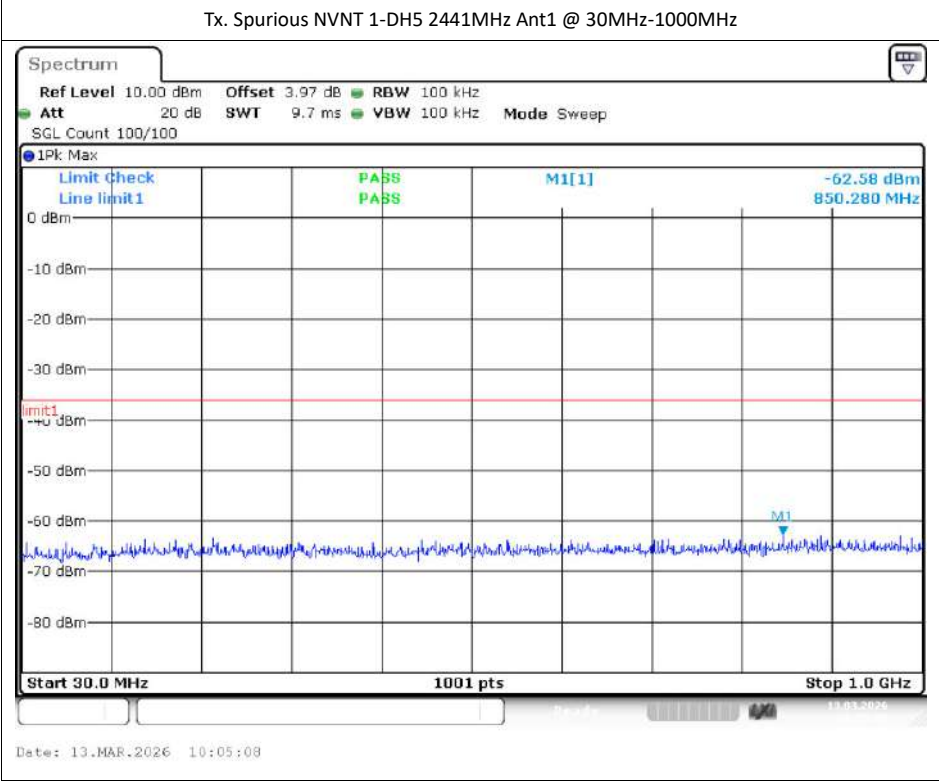
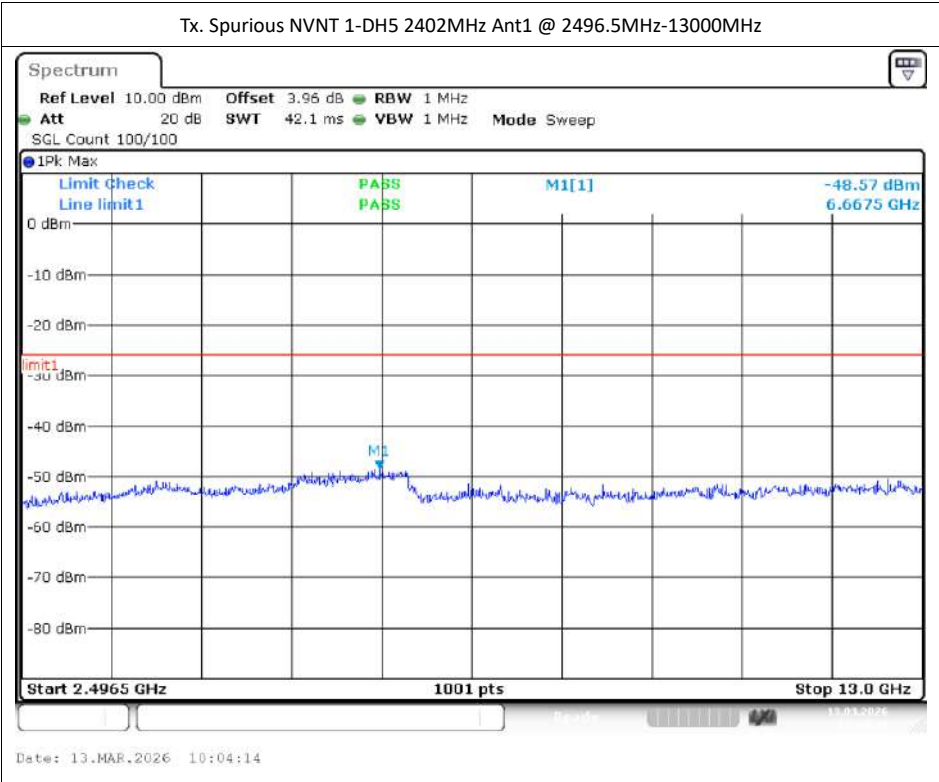


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 2387MHz-2400MHz

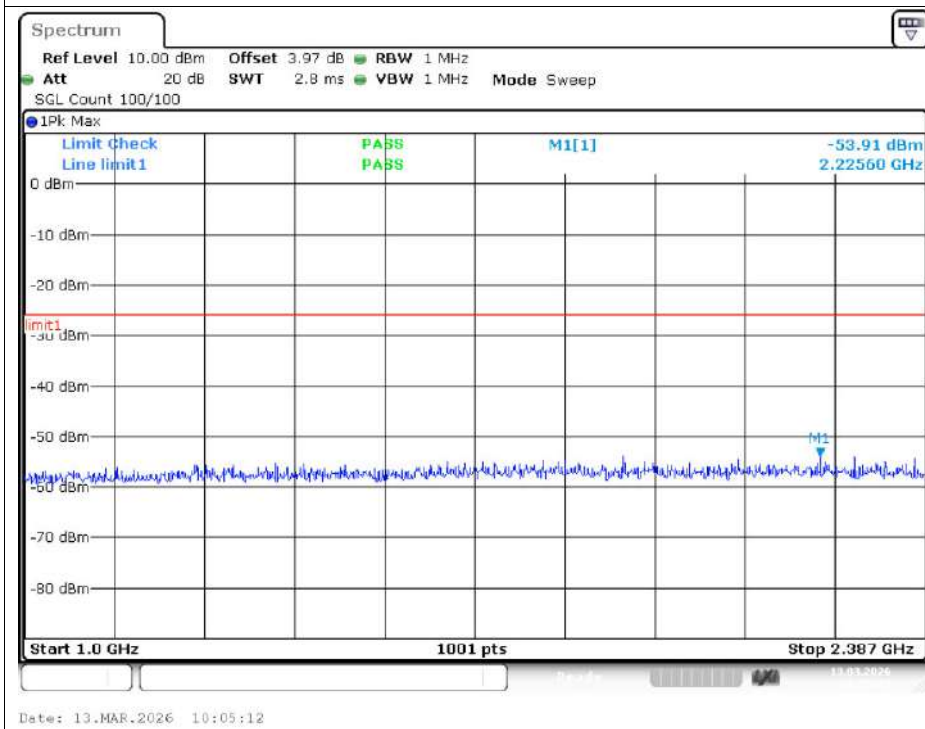


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz

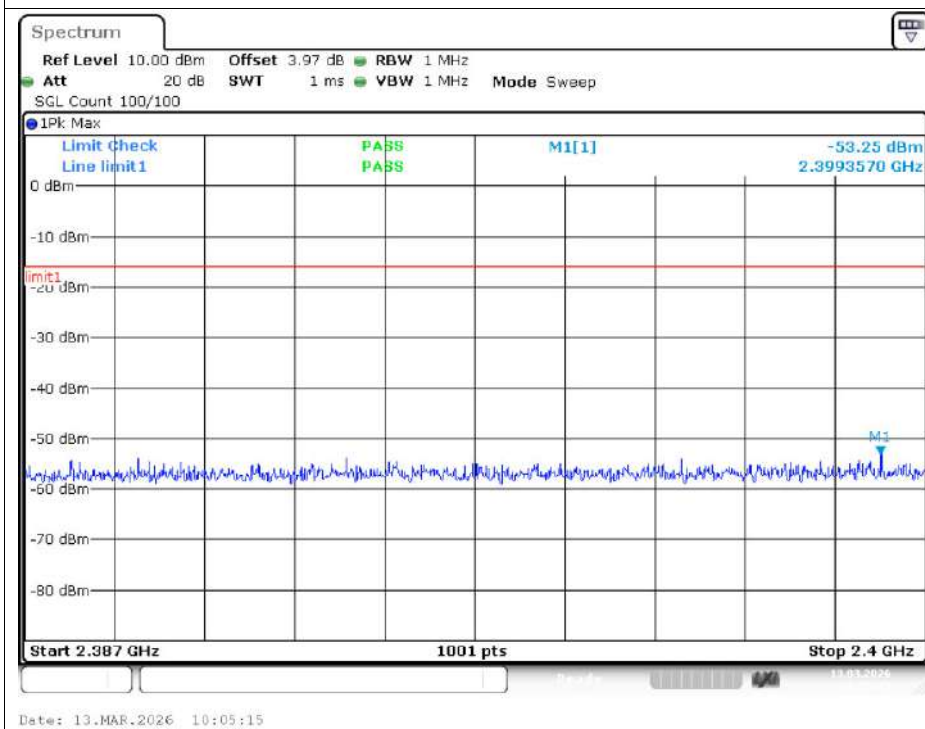




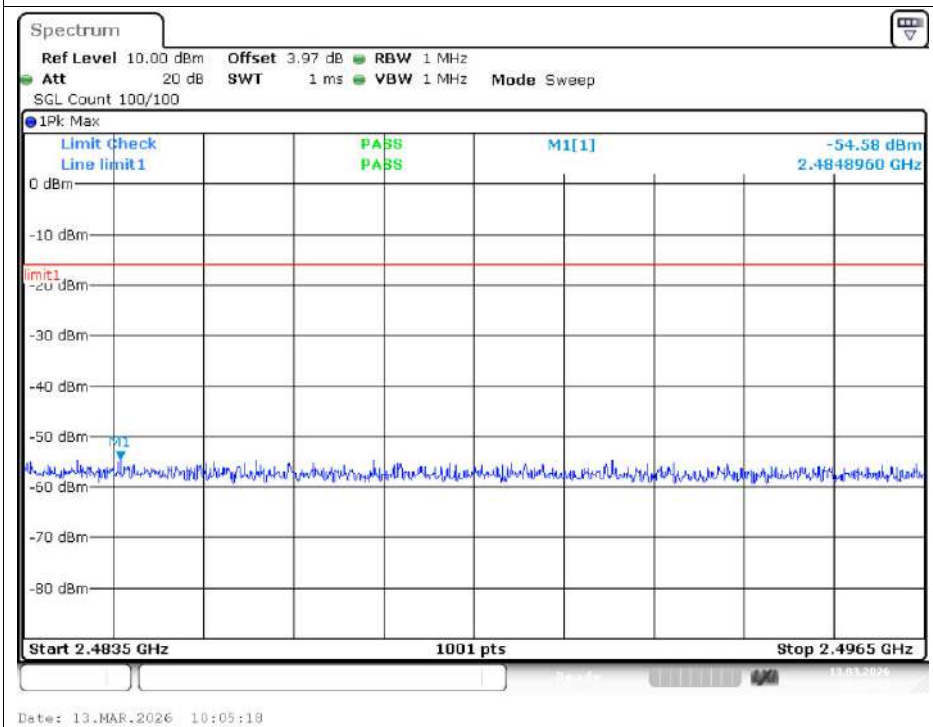
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



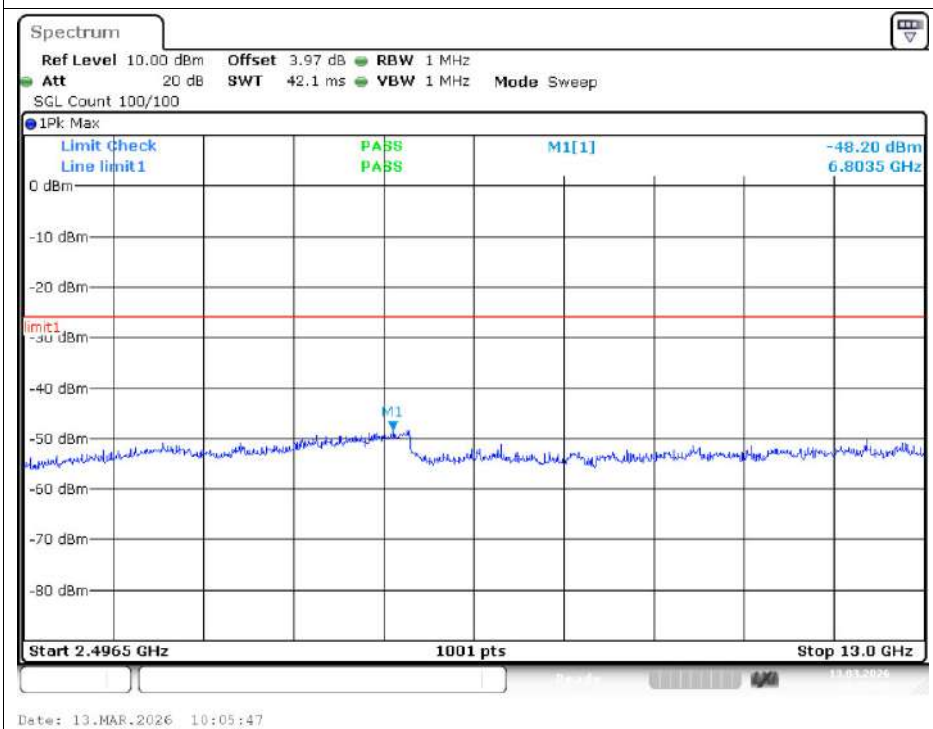
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



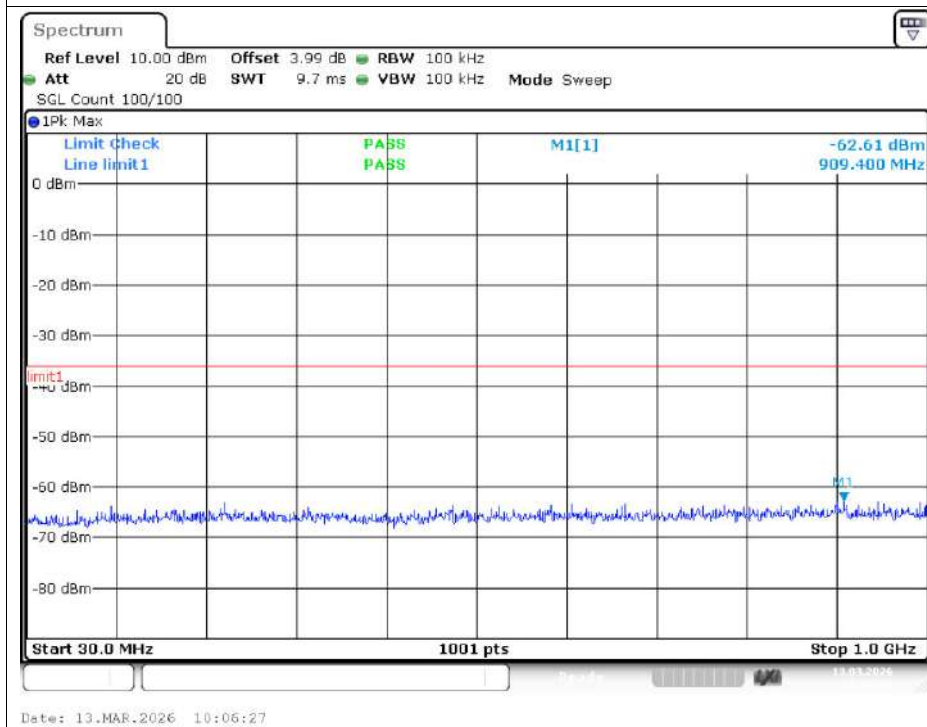
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



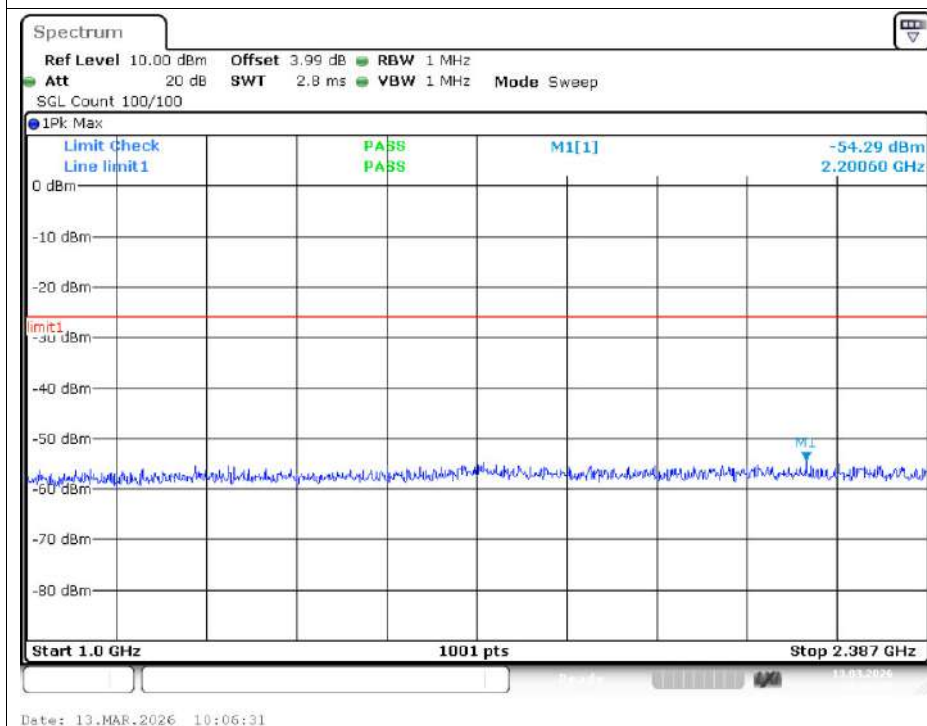
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



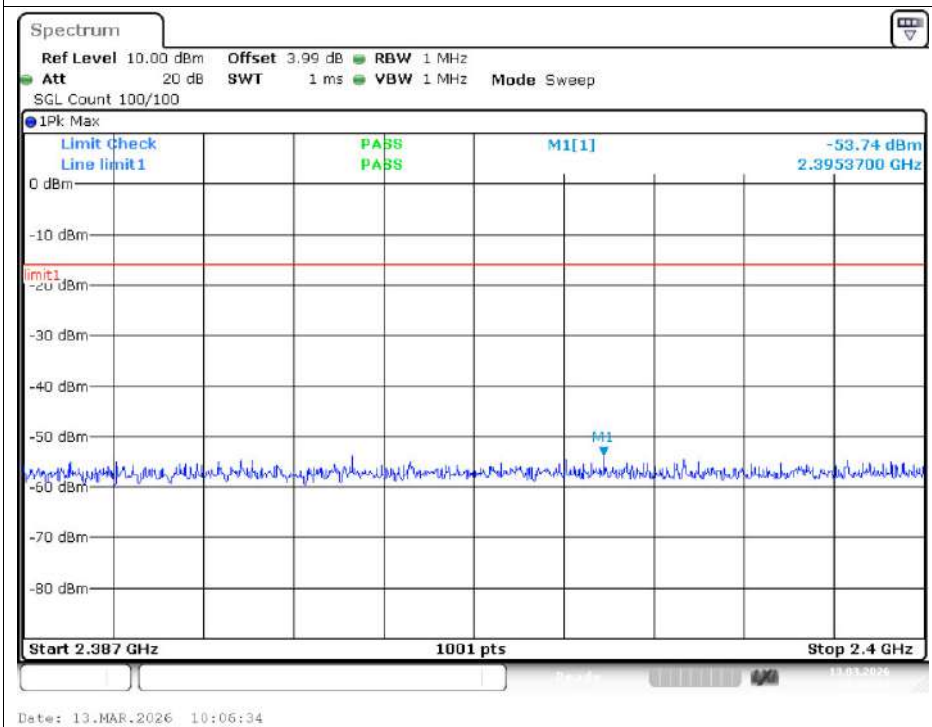
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 30MHz-1000MHz



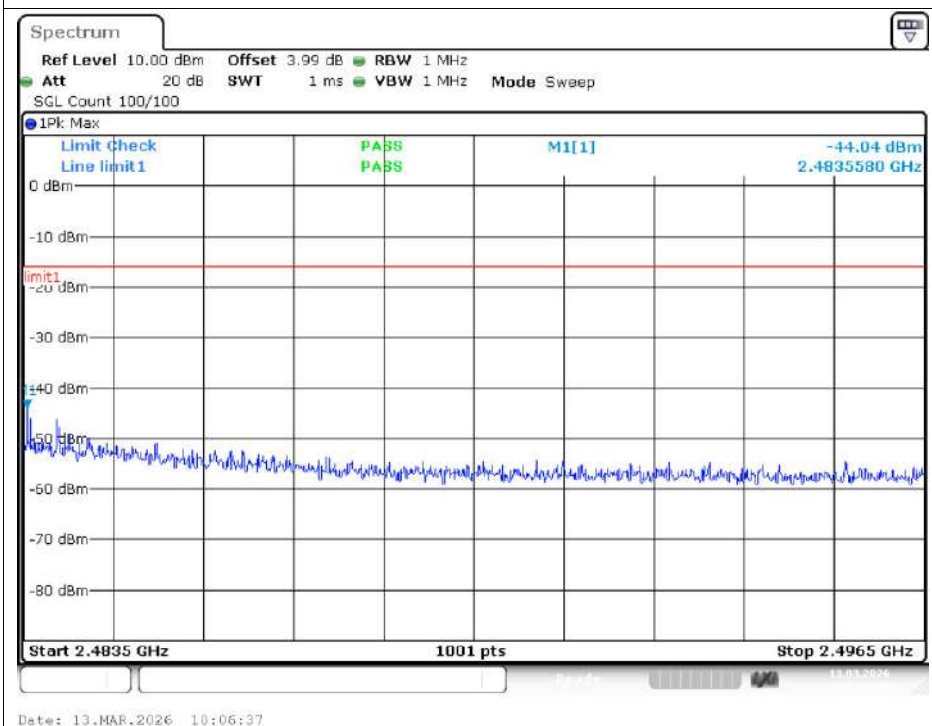
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 1000MHz-2387MHz

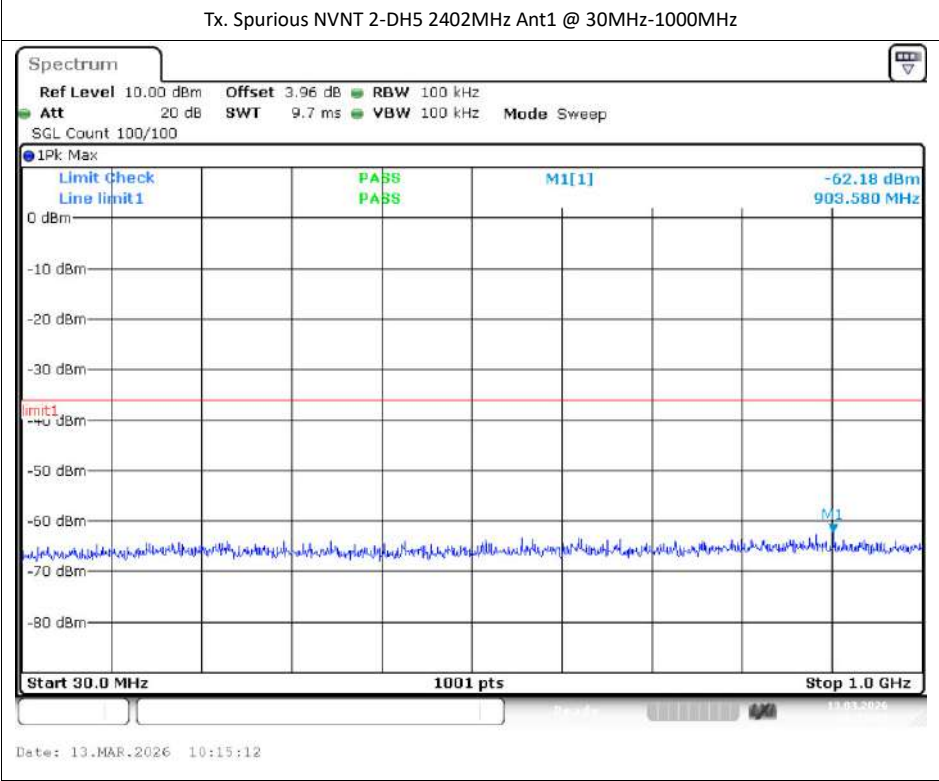
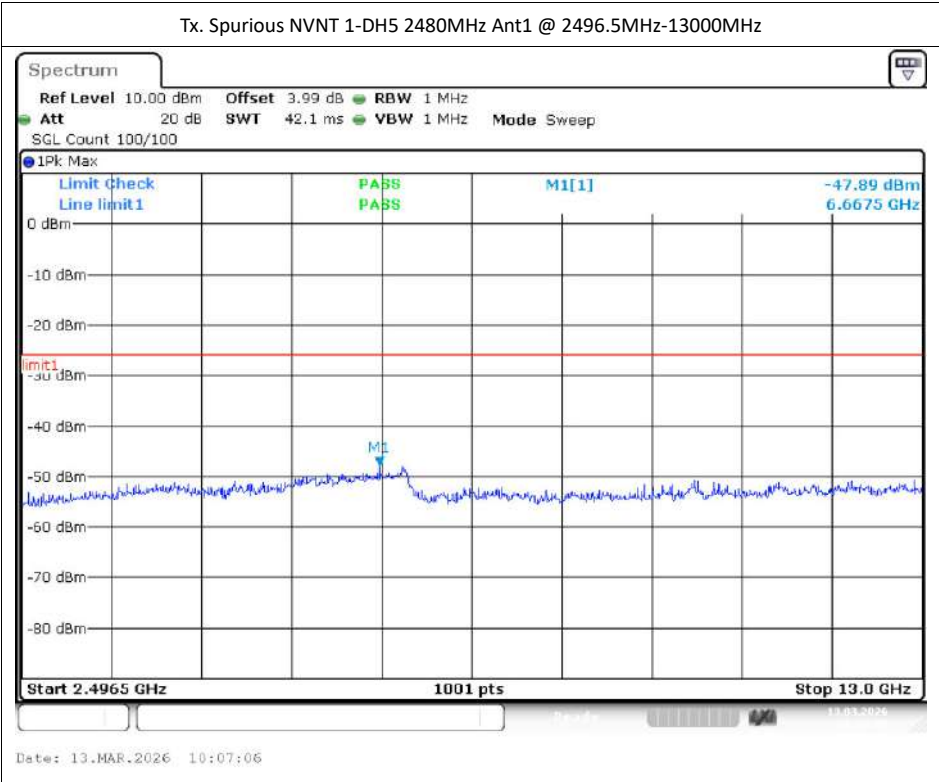


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 2387MHz-2400MHz

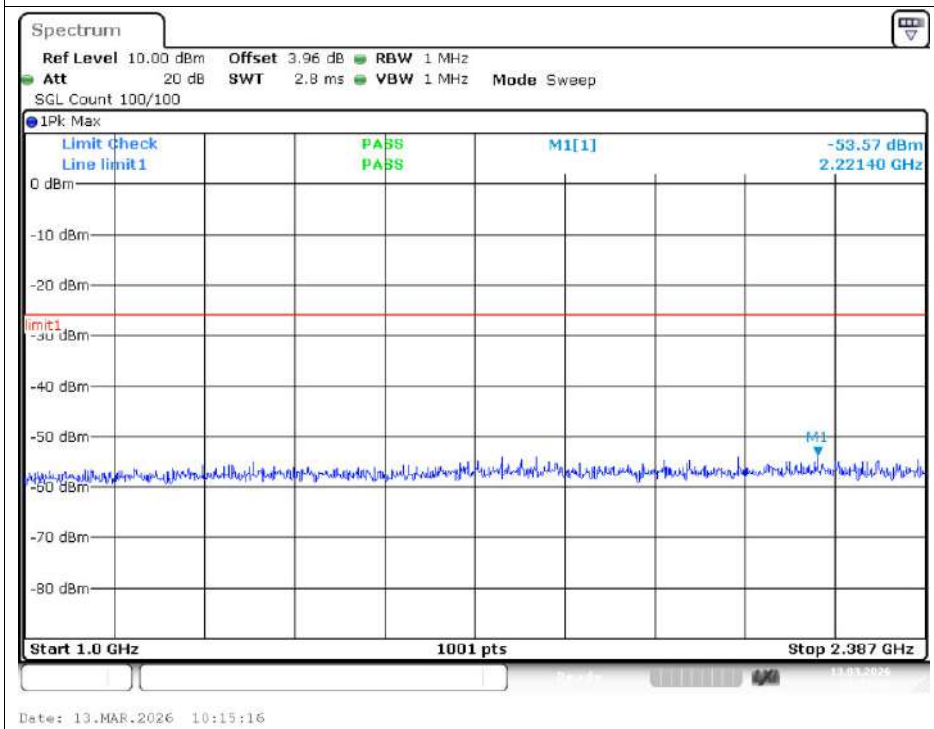


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz

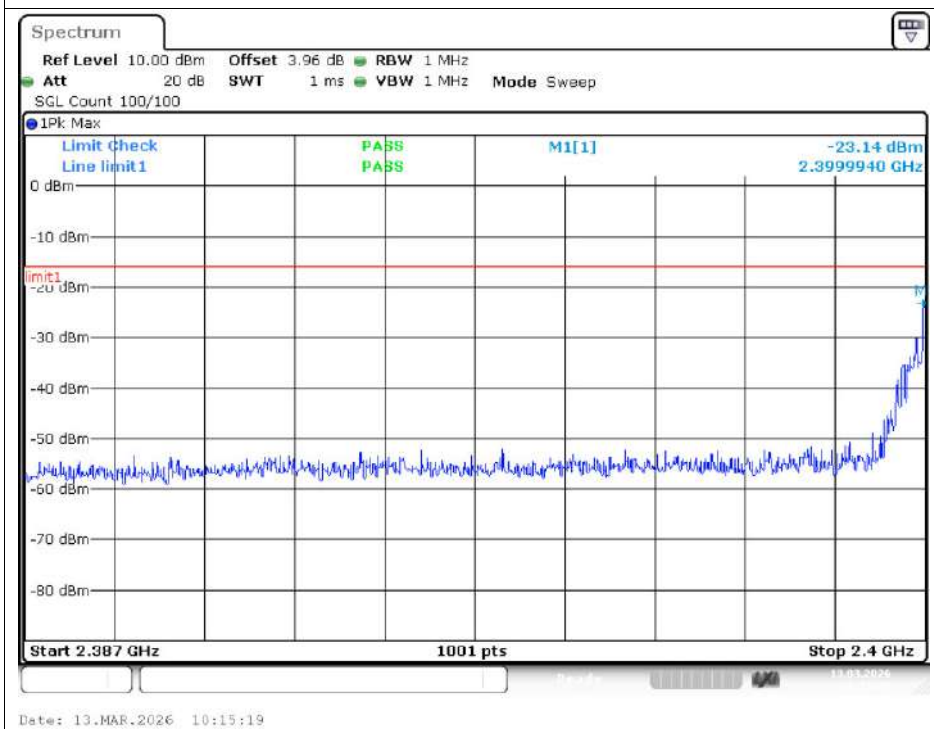




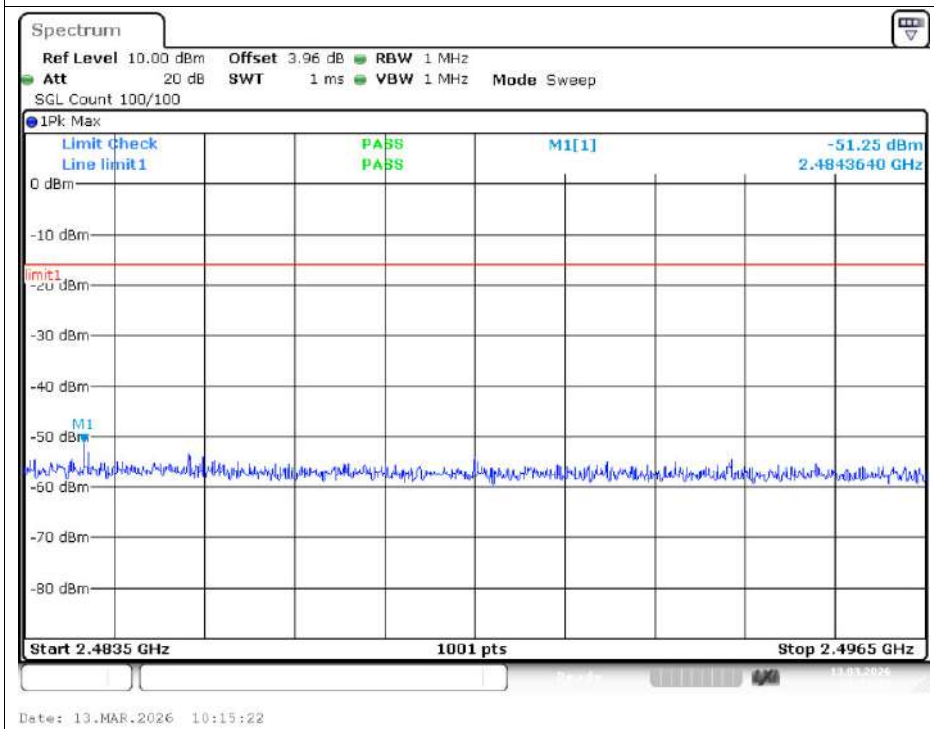
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 1000MHz-2387MHz



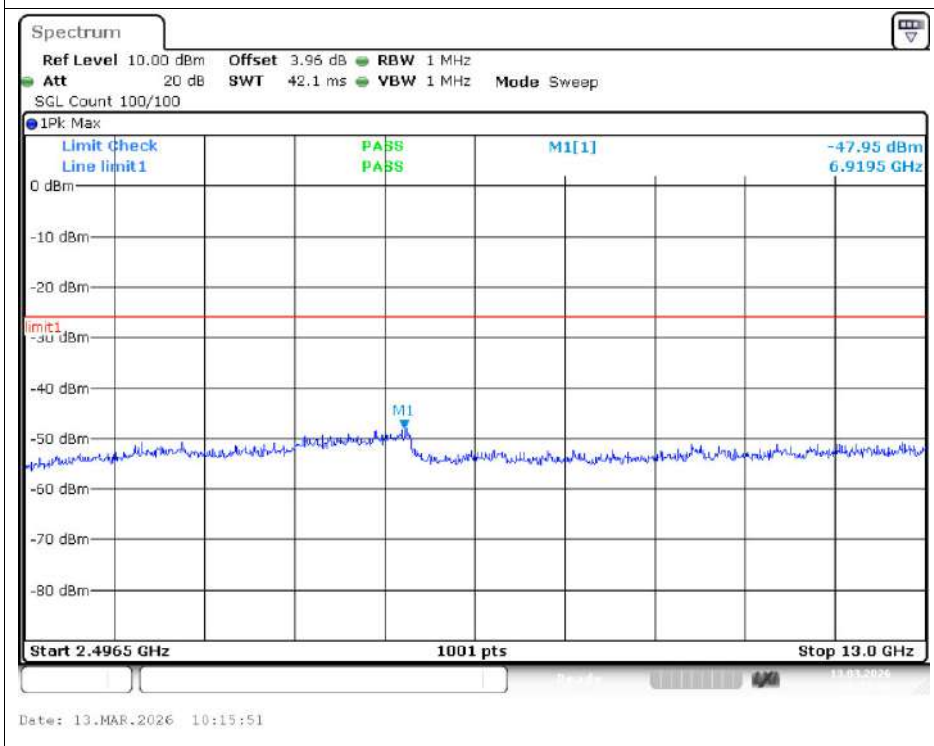
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 2387MHz-2400MHz



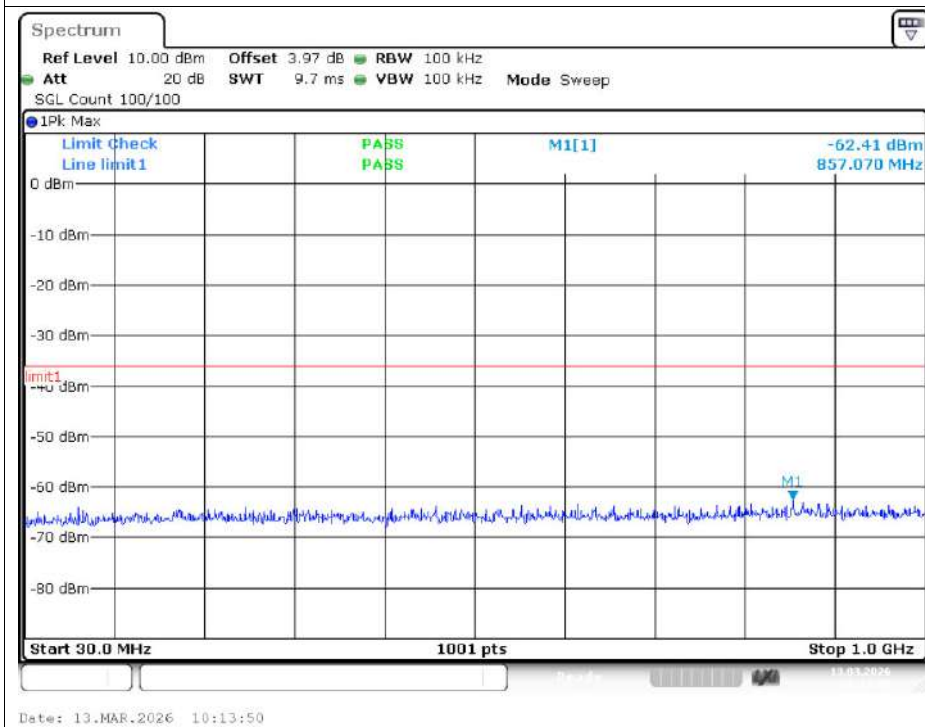
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



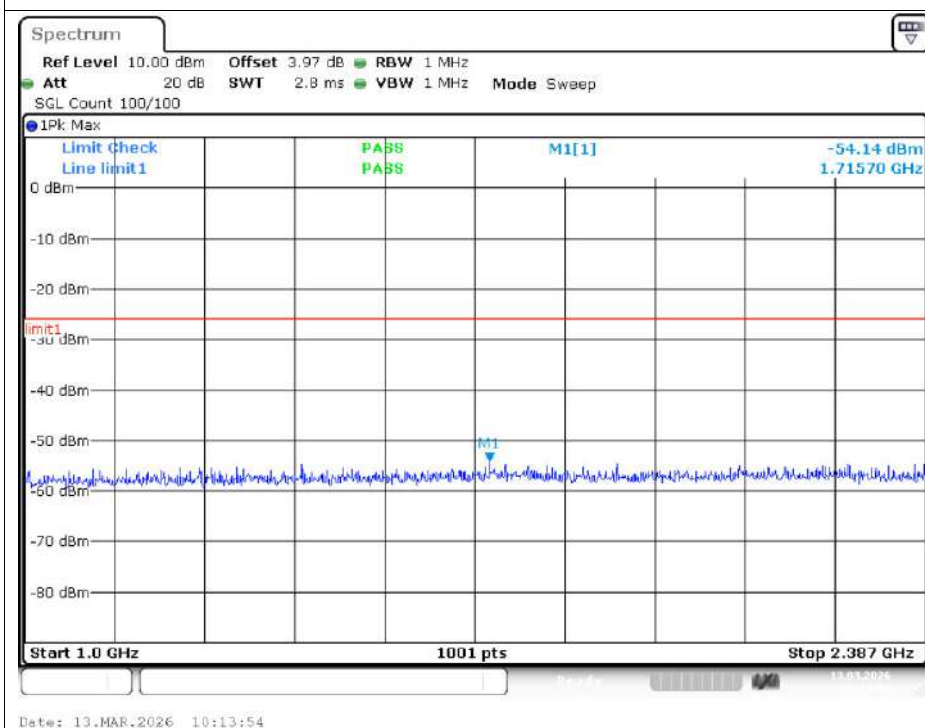
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



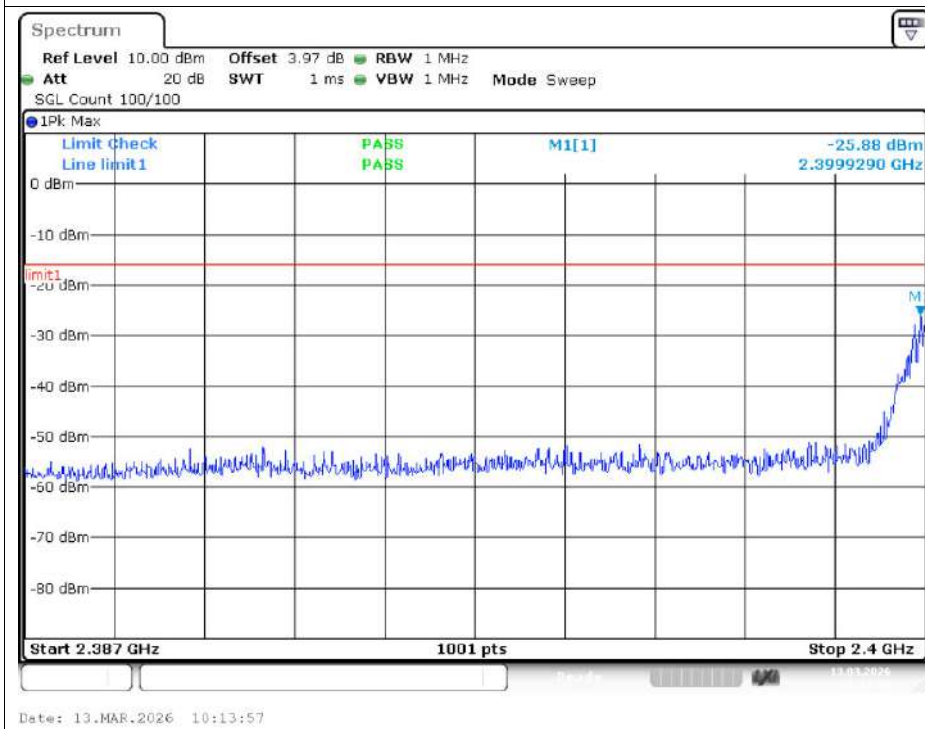
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 30MHz-1000MHz



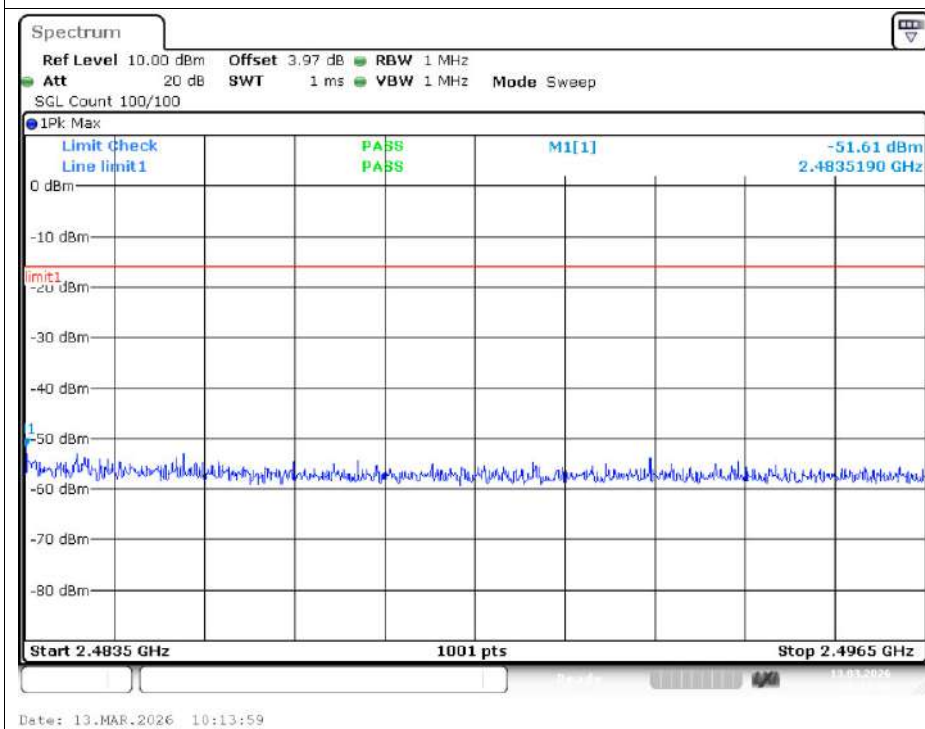
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



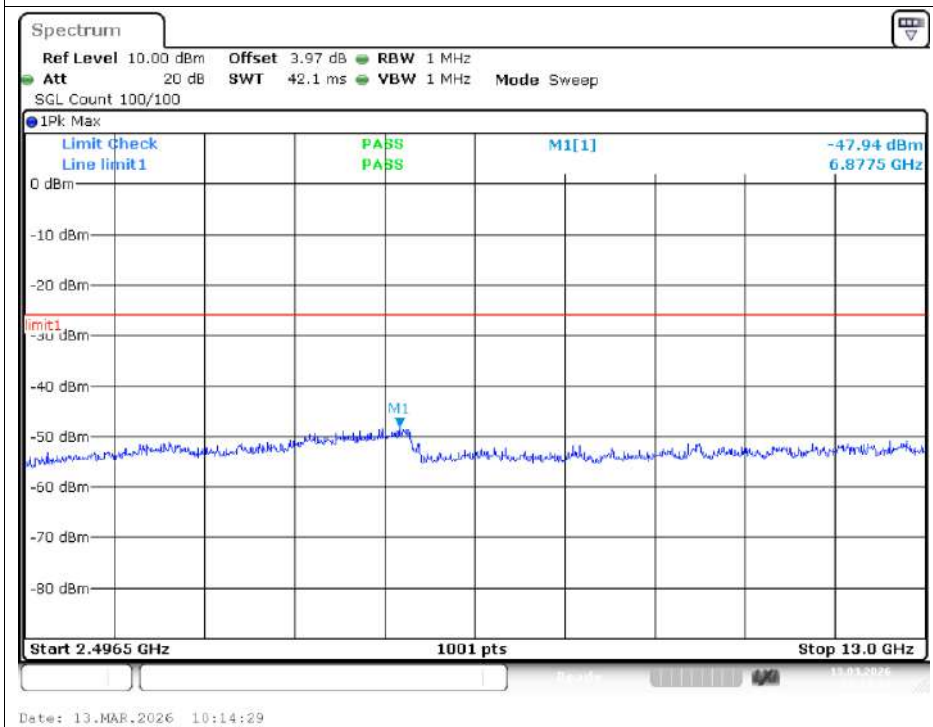
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



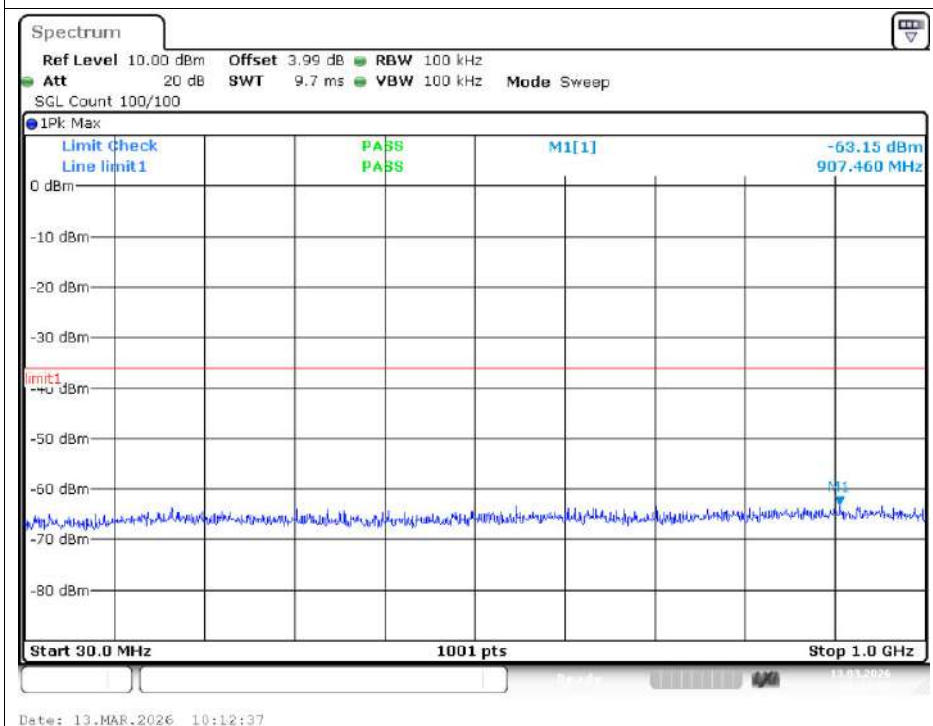
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



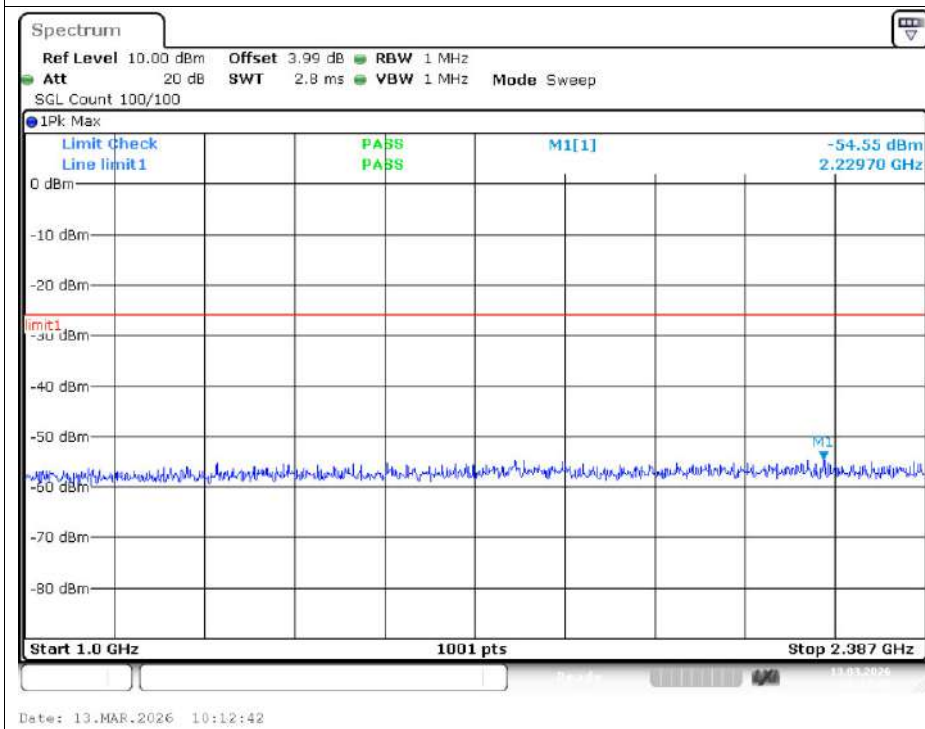
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



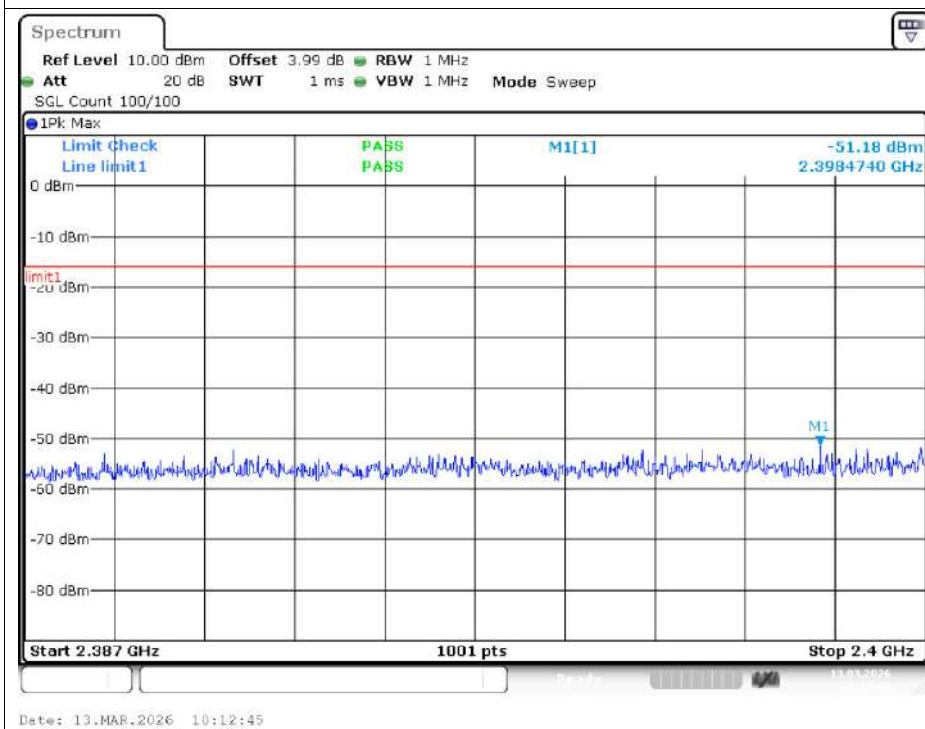
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 30MHz-1000MHz



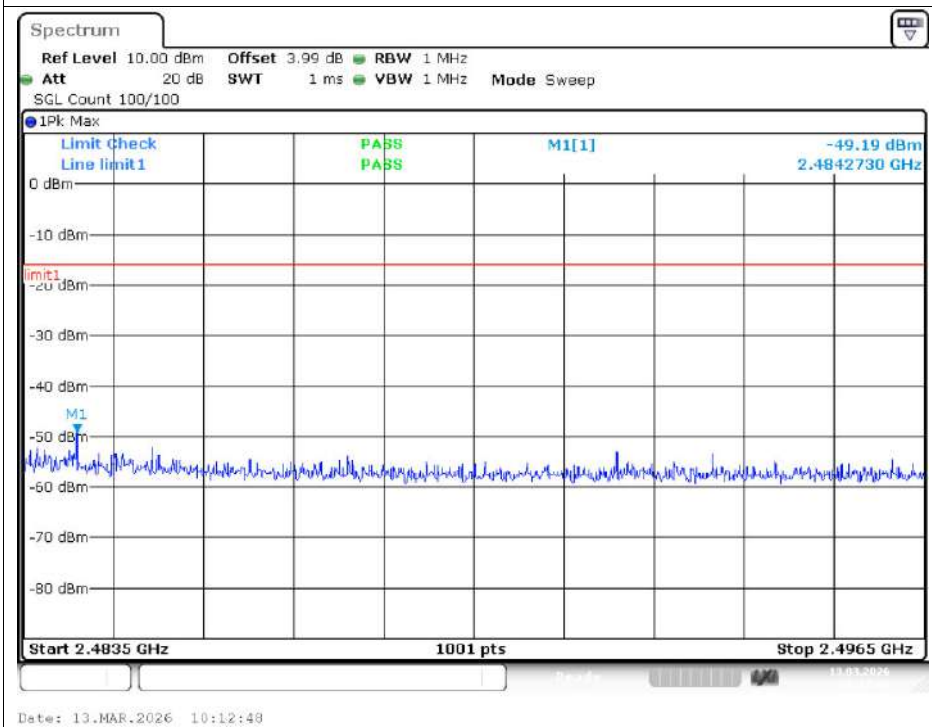
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 1000MHz-2387MHz



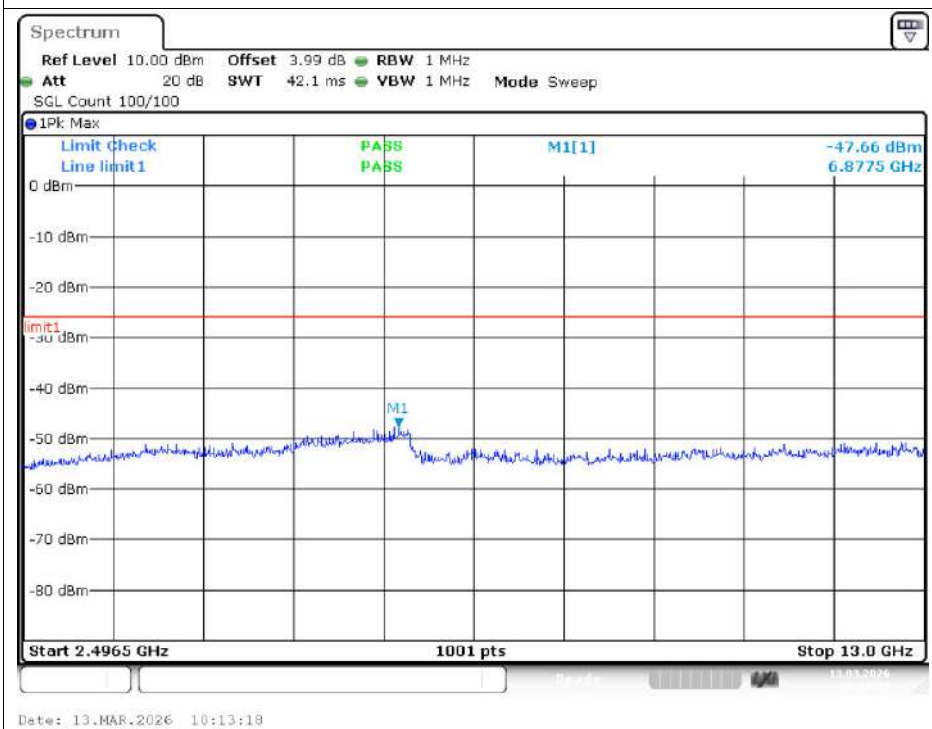
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



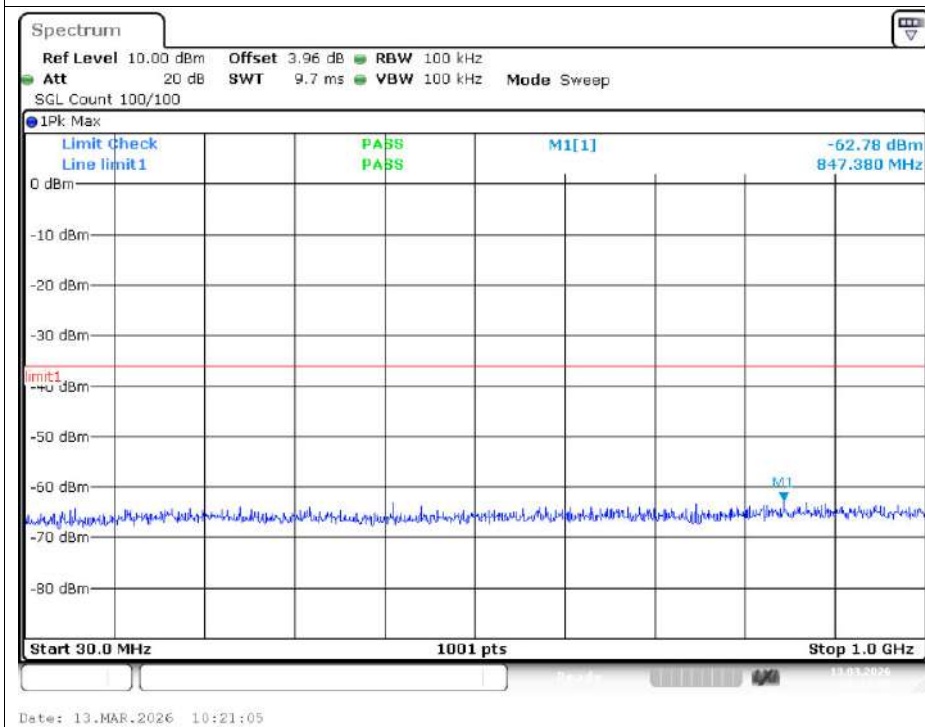
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



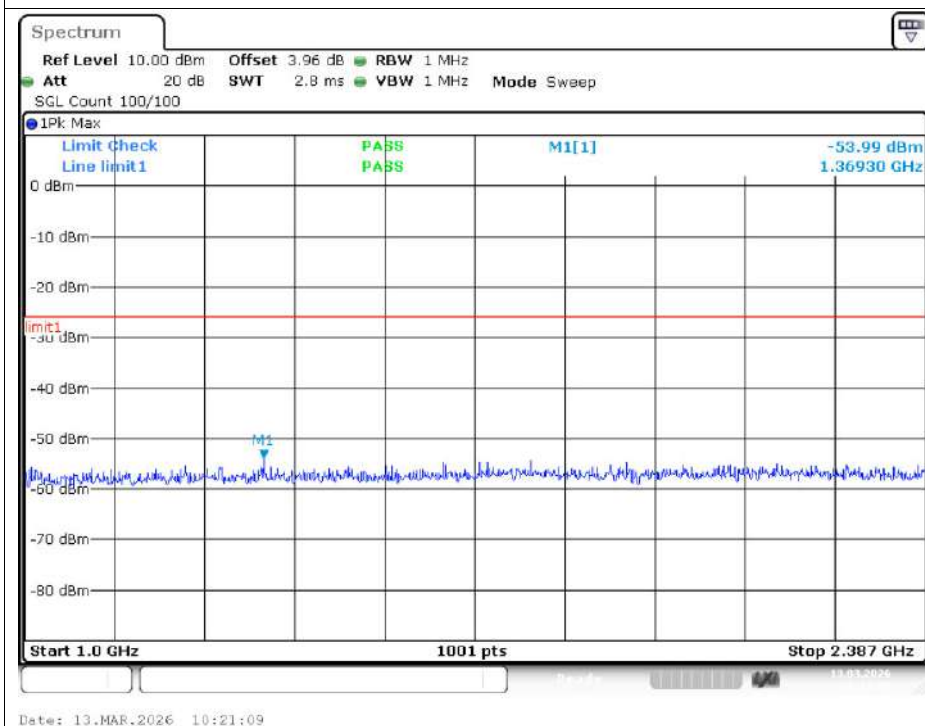
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 2496.5MHz-13000MHz

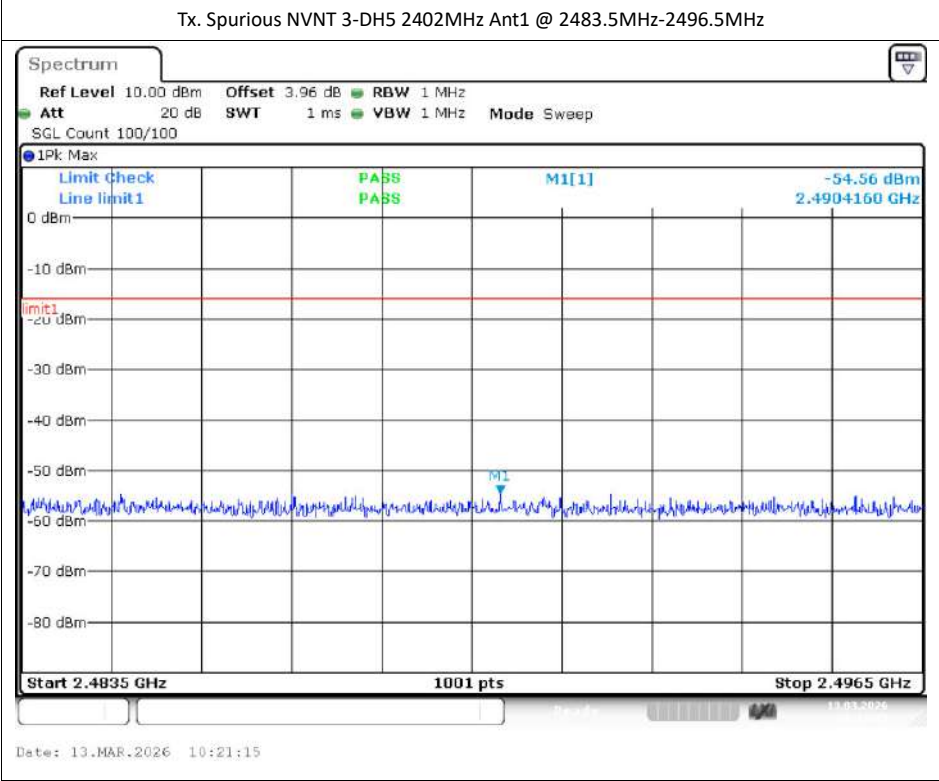
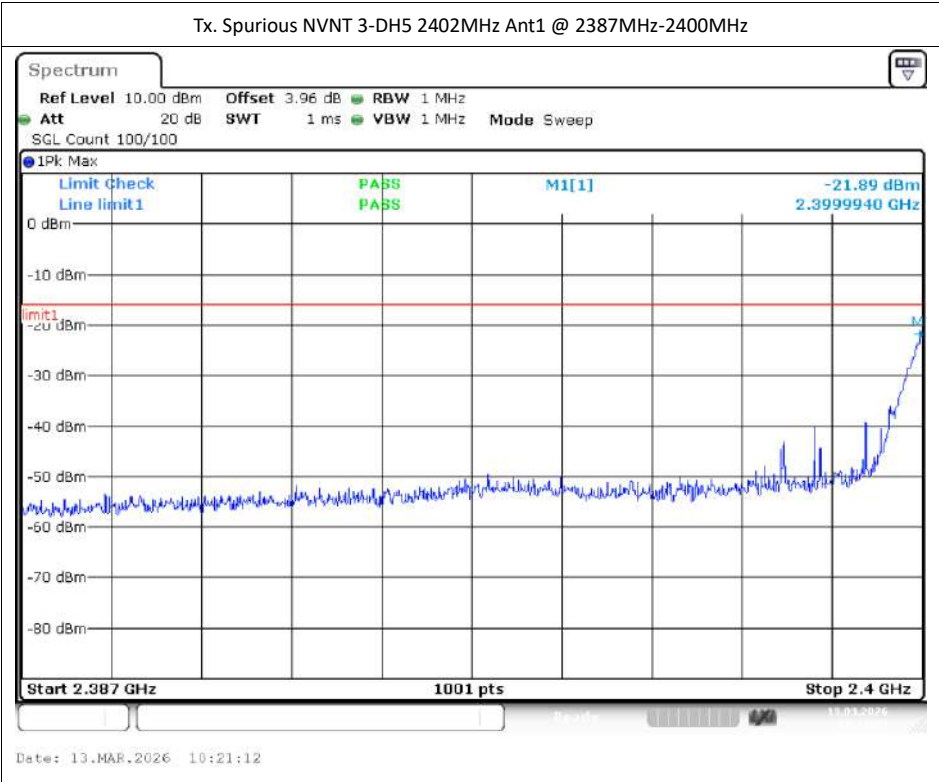


Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 30MHz-1000MHz

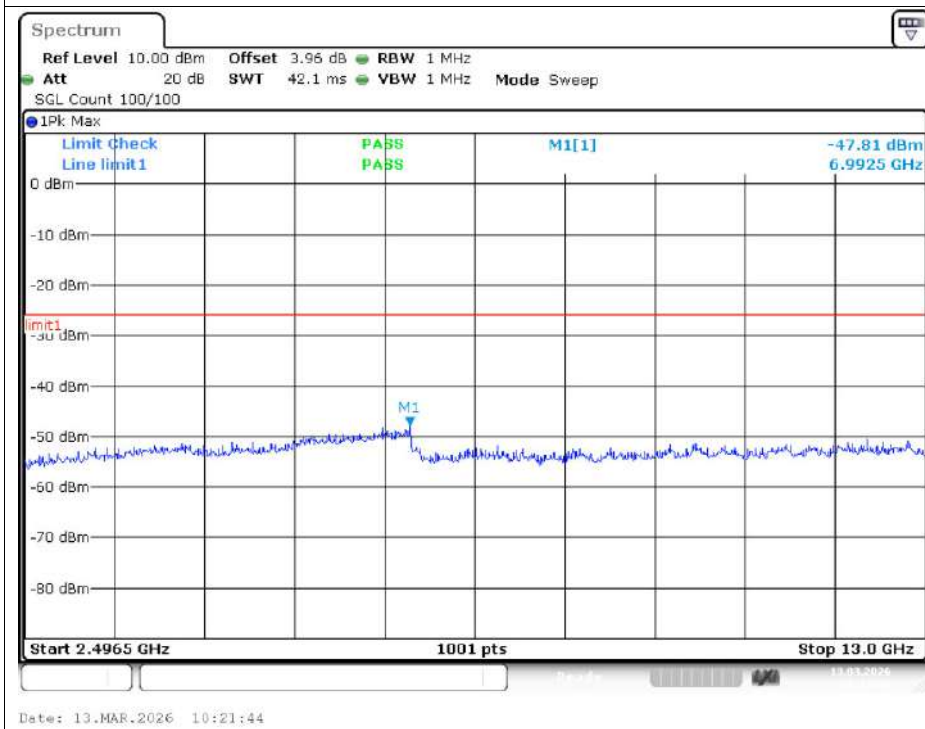


Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 1000MHz-2387MHz

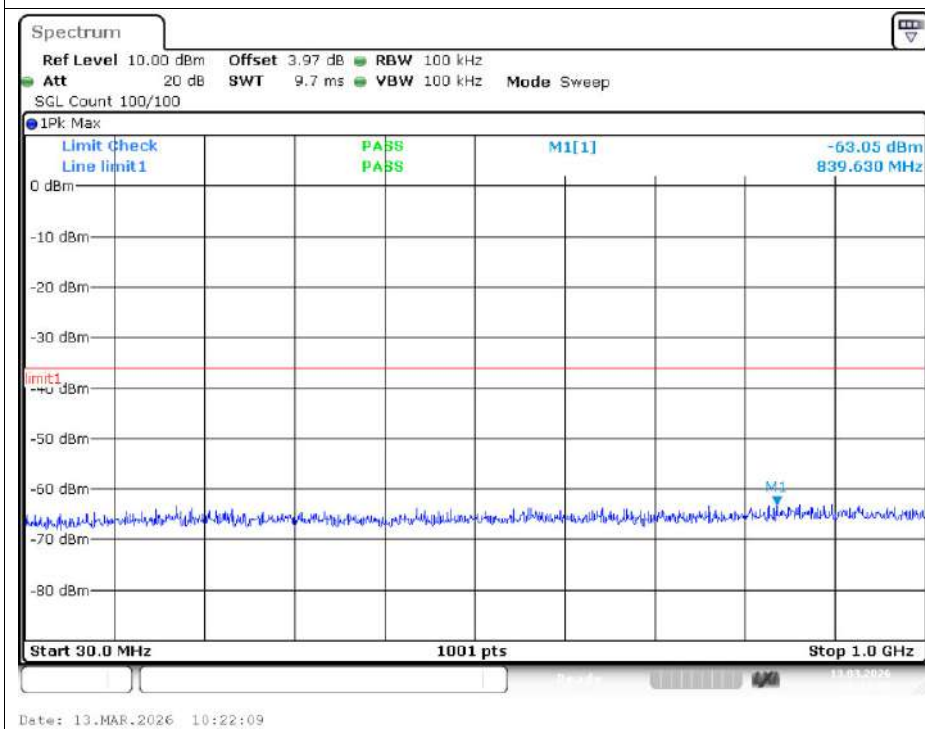




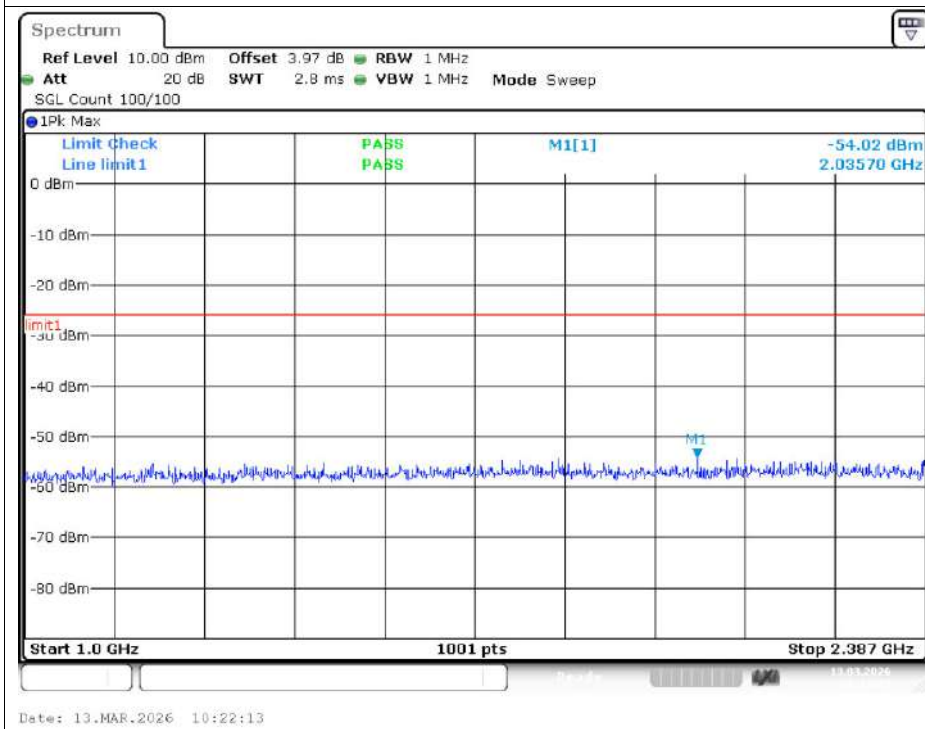
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



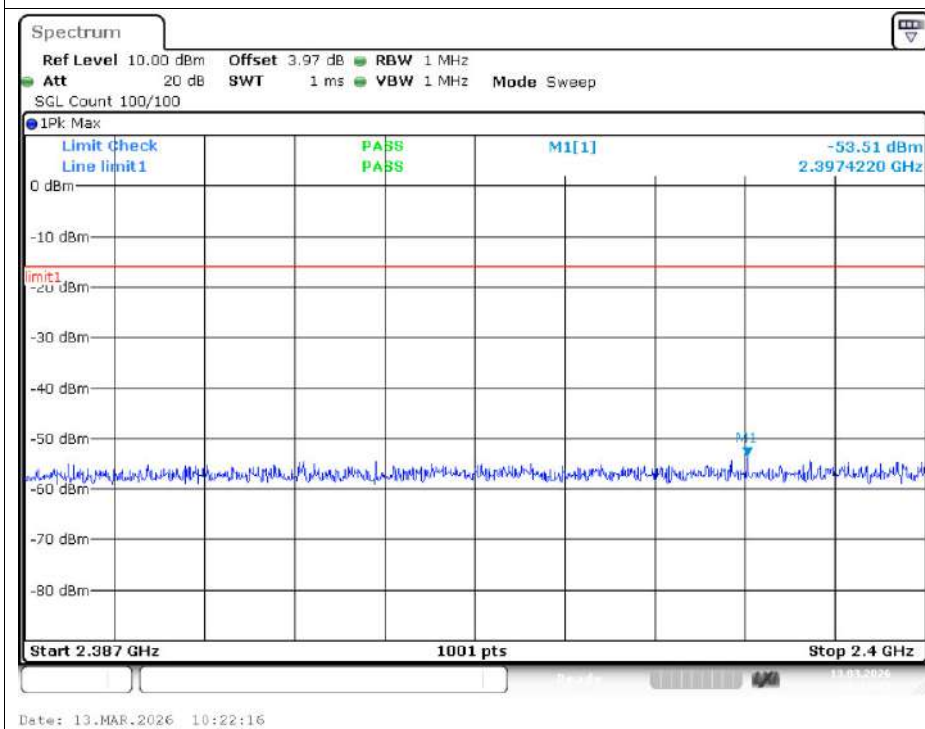
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 30MHz-1000MHz



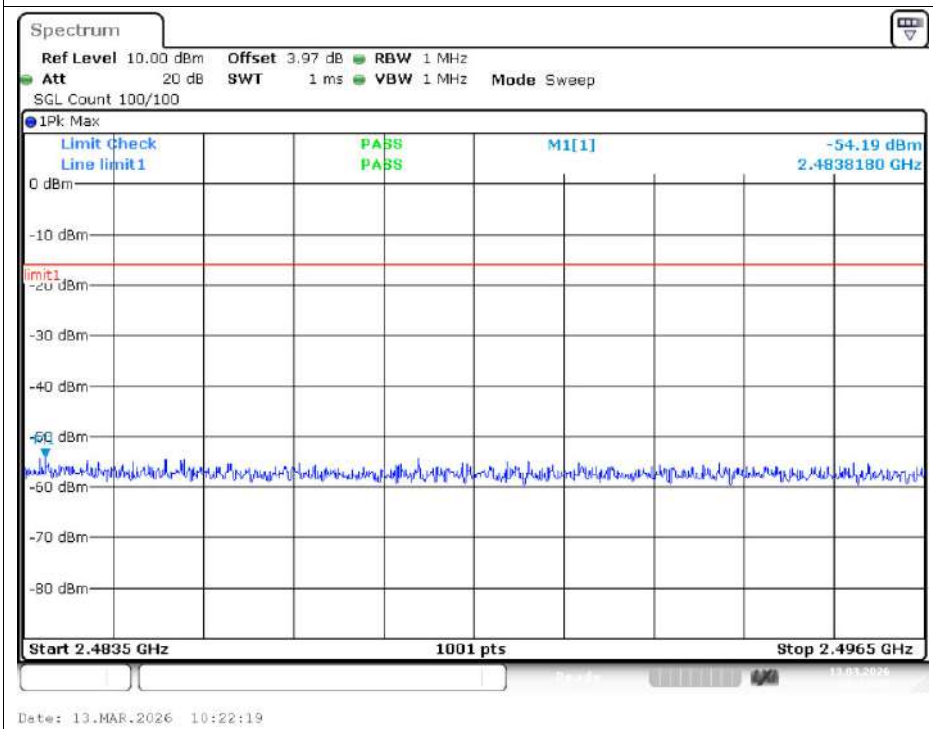
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



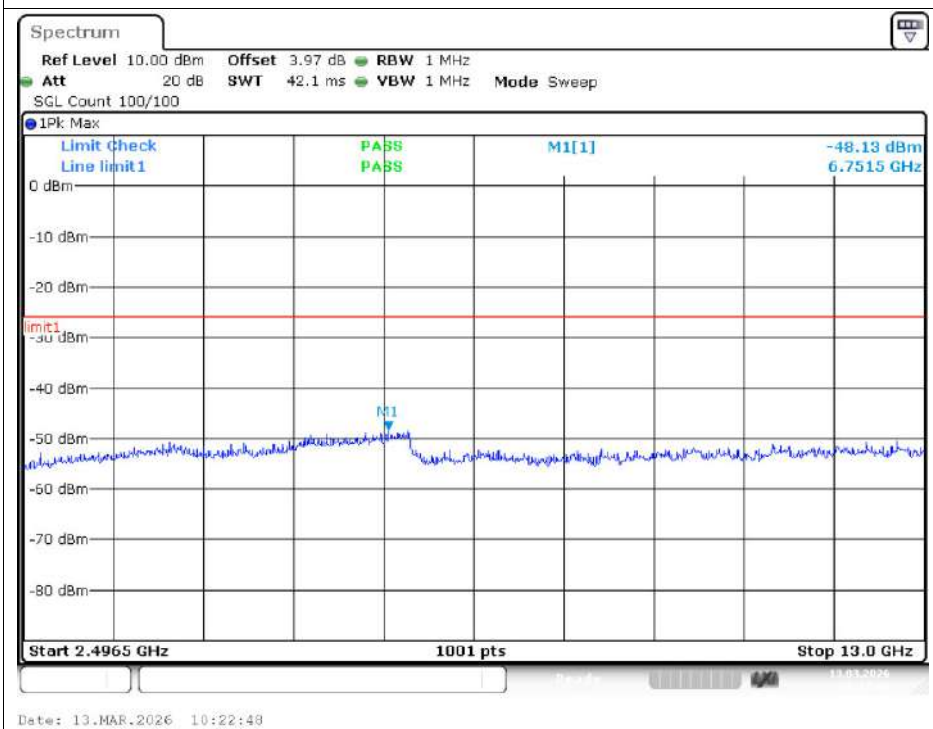
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



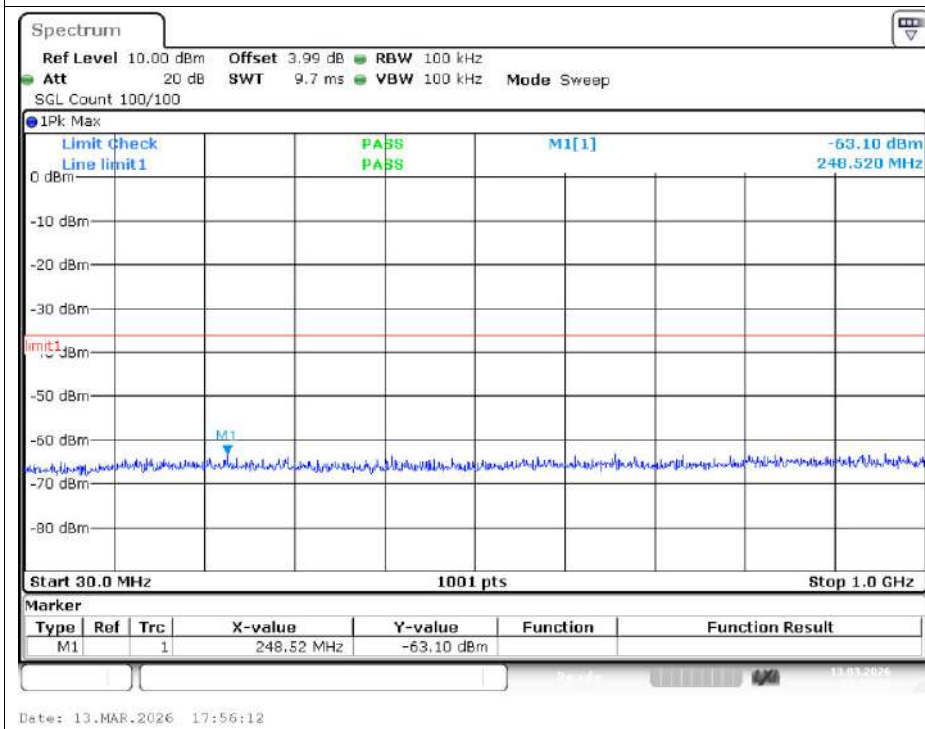
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



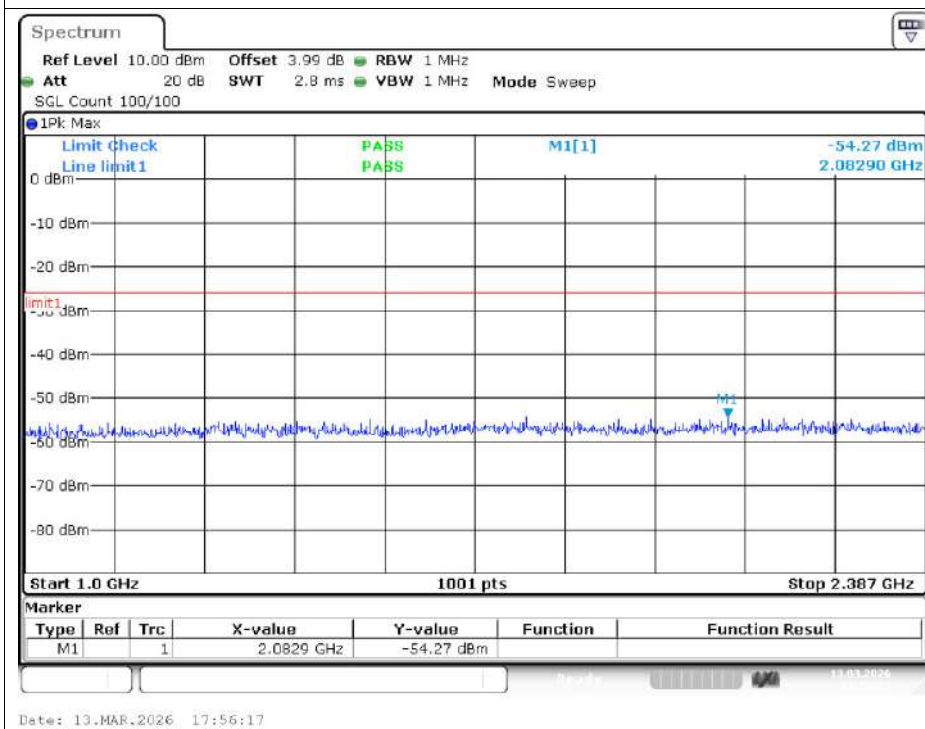
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



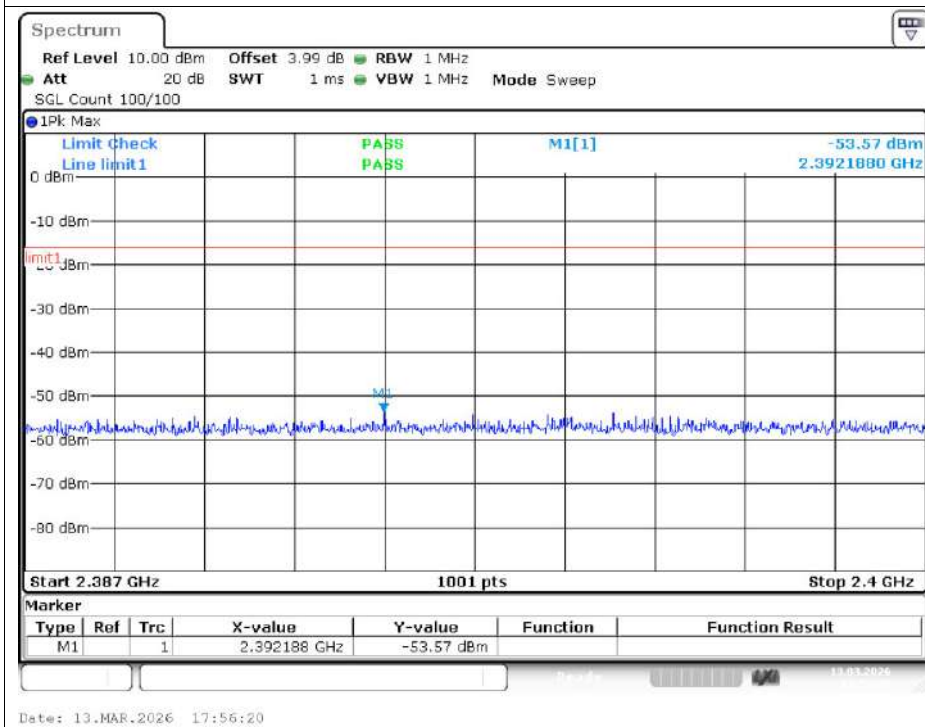
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 30MHz-1000MHz



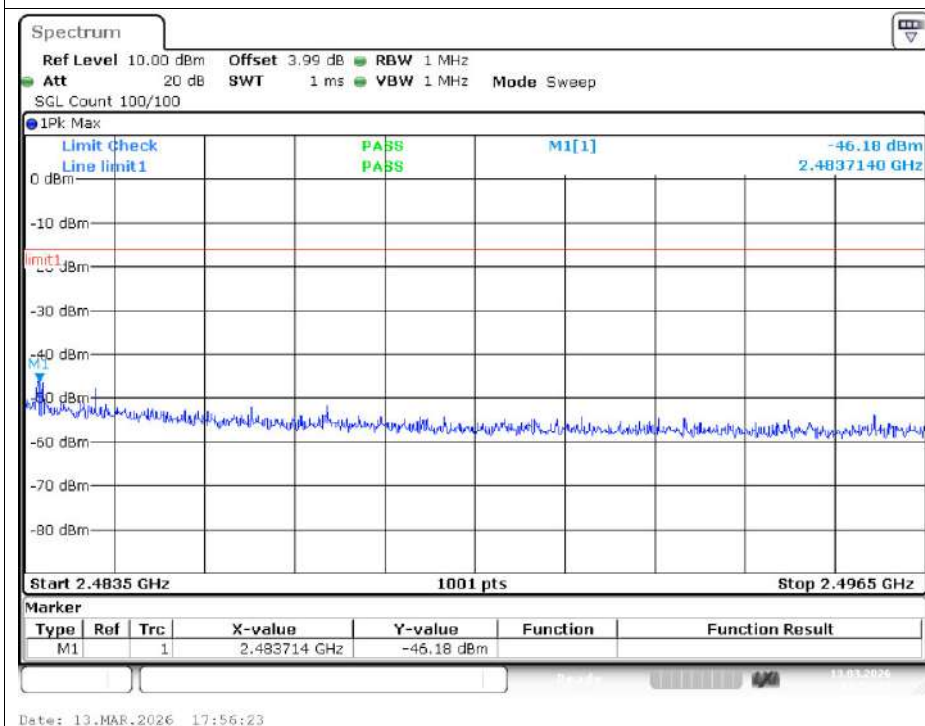
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 1000MHz-2387MHz



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



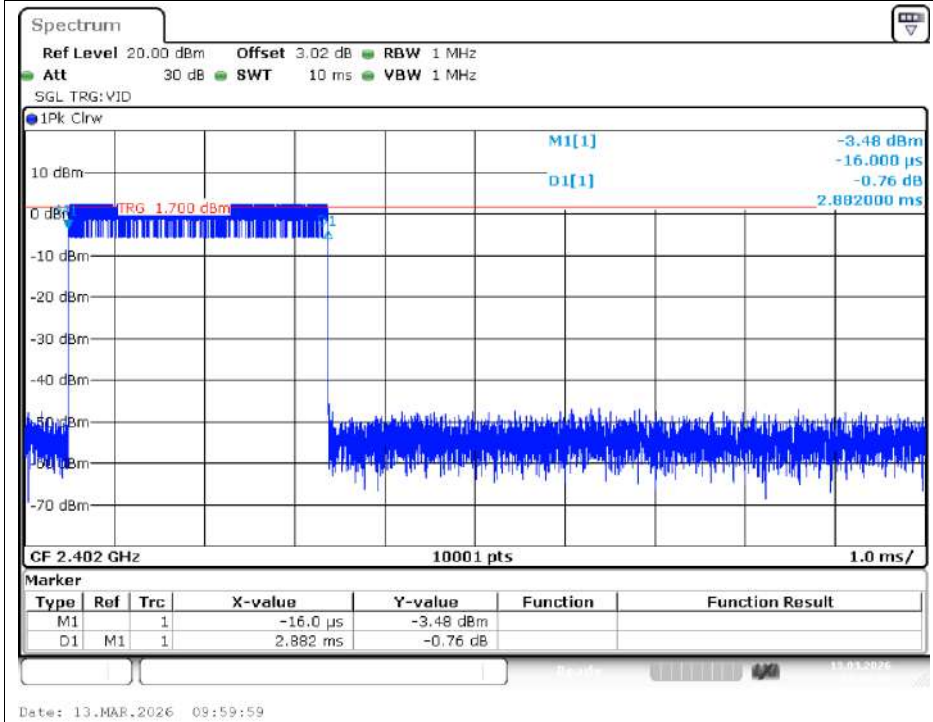


Dwell Time

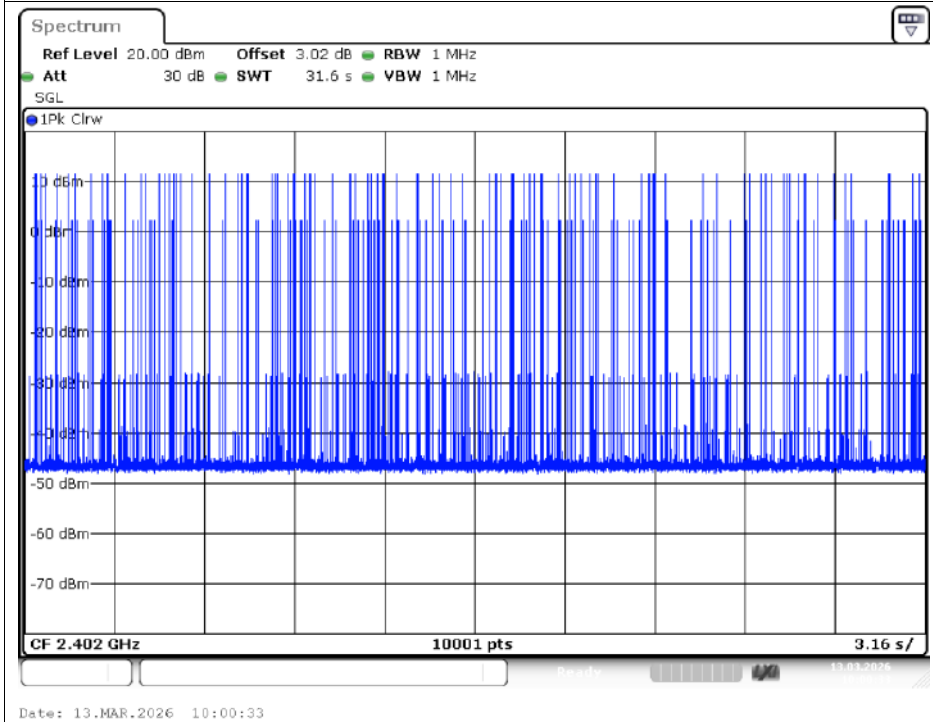
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	291.082	101	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.882	322.784	112	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.882	276.672	96	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	288.5	100	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.883	279.651	97	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.885	320.235	111	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	303.03	105	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.885	294.27	102	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.886	285.714	99	31600	400	Pass

Test Graphs

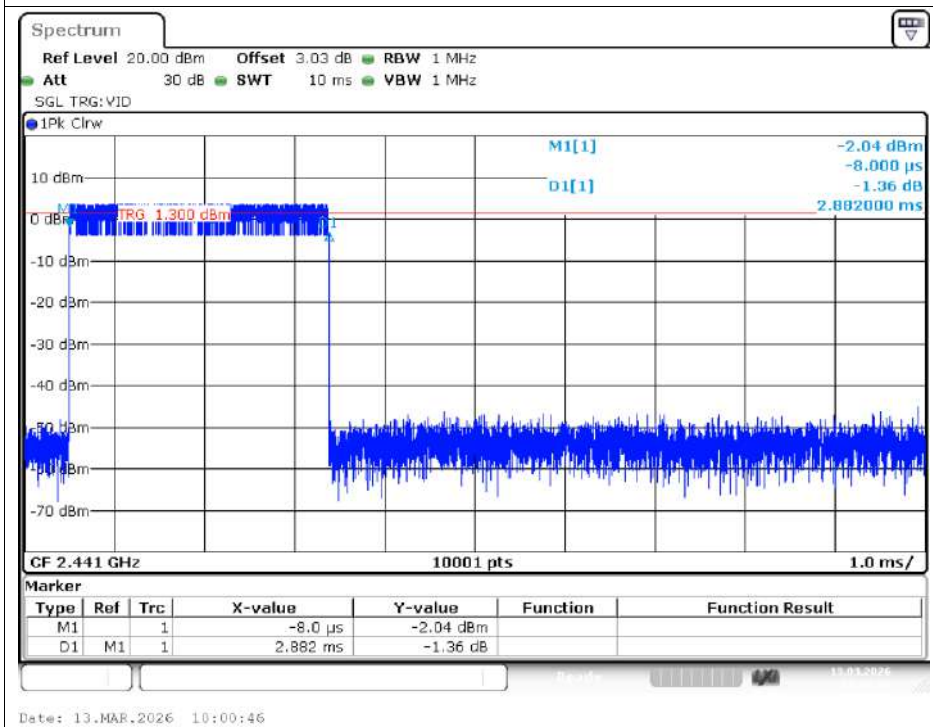
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



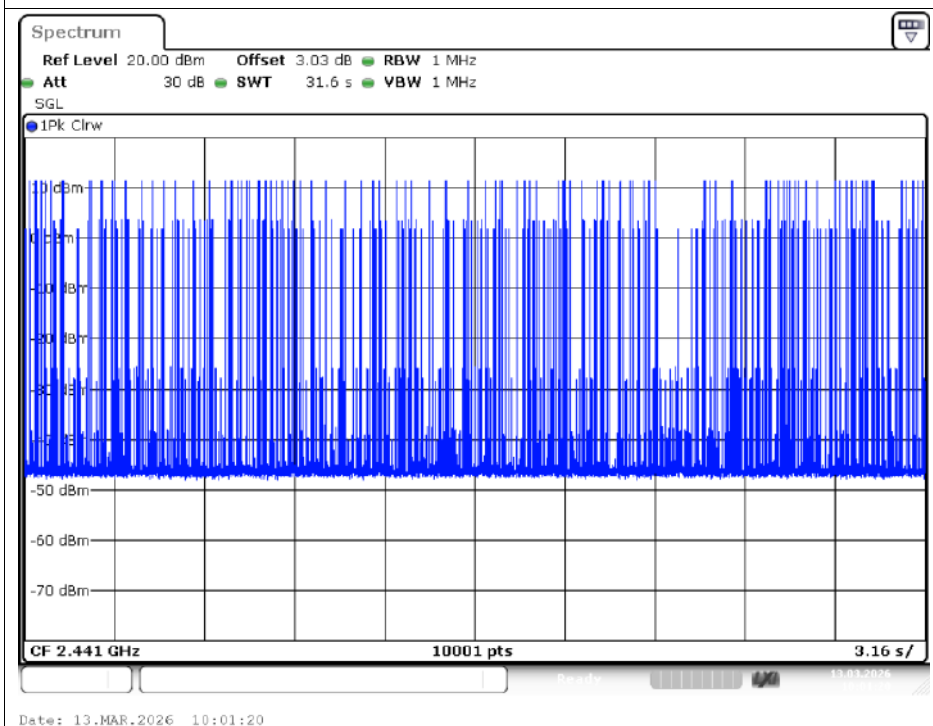
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



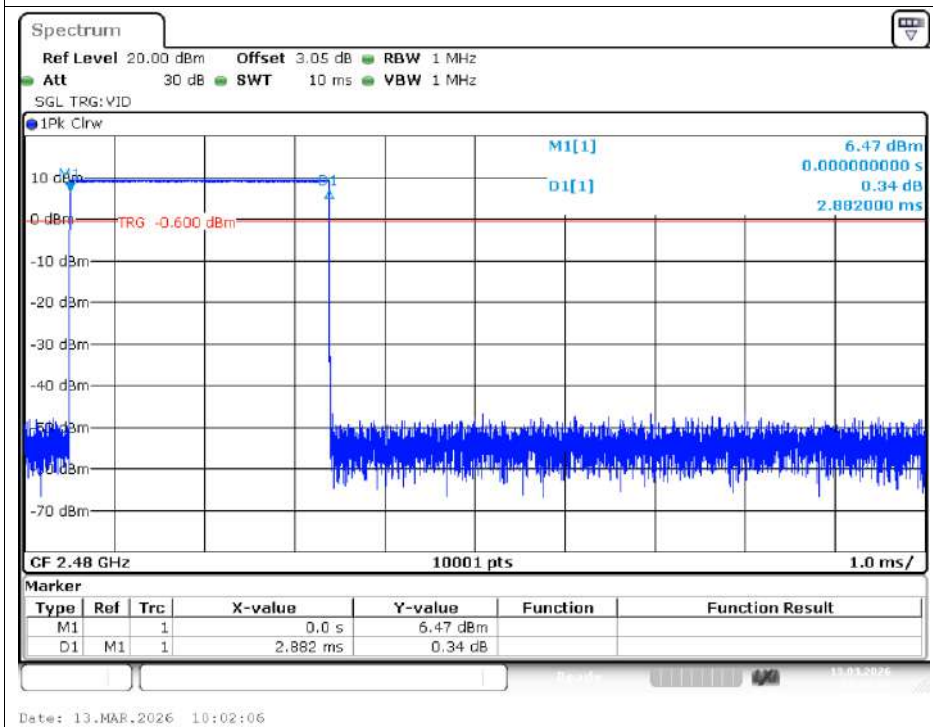
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



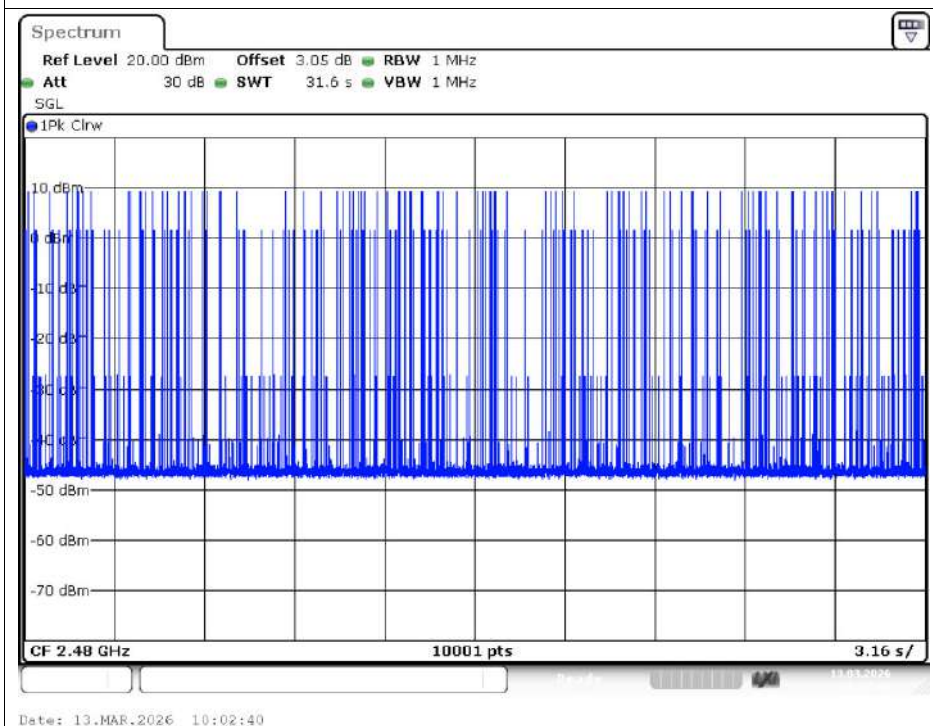
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



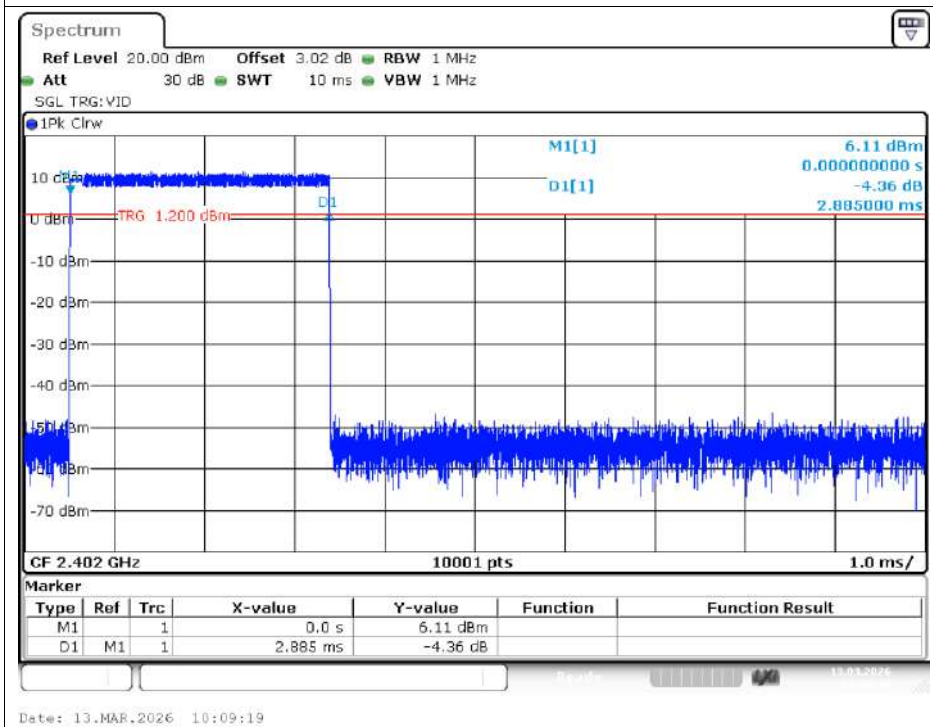
Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



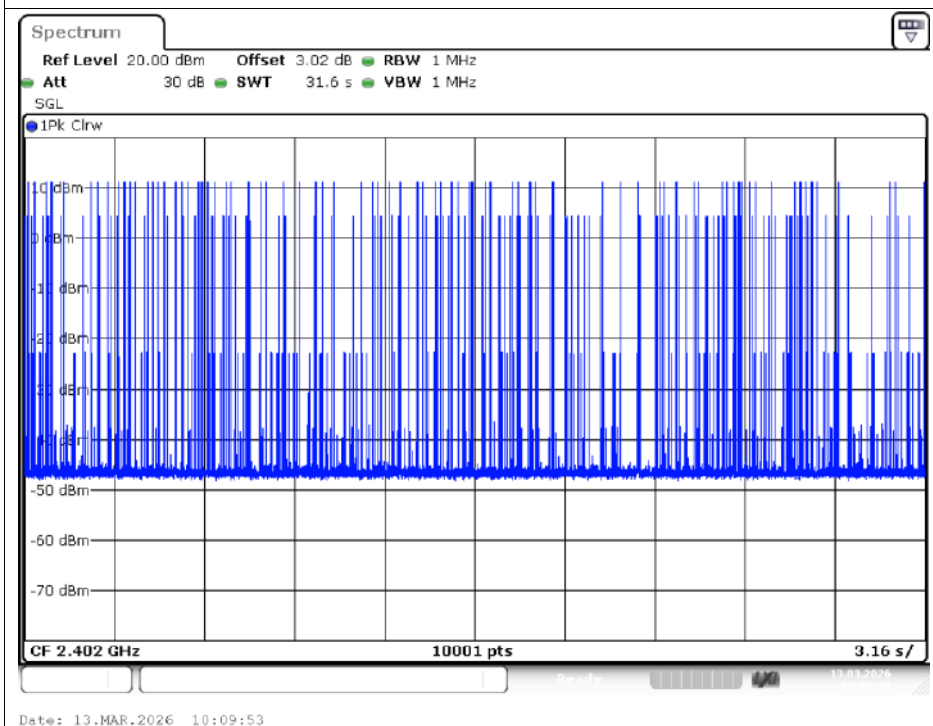
Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



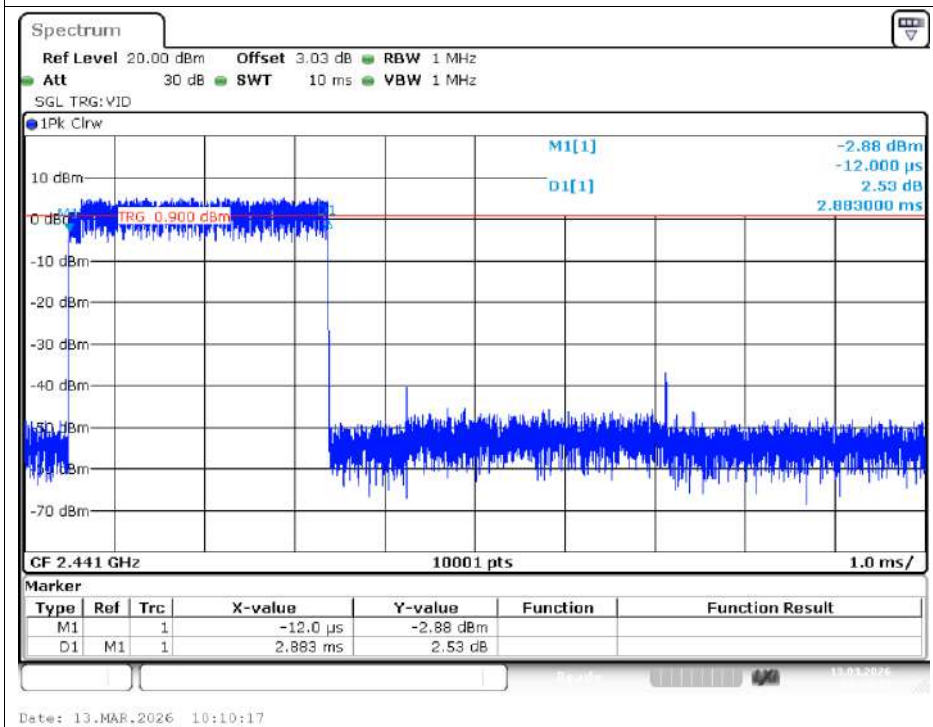
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



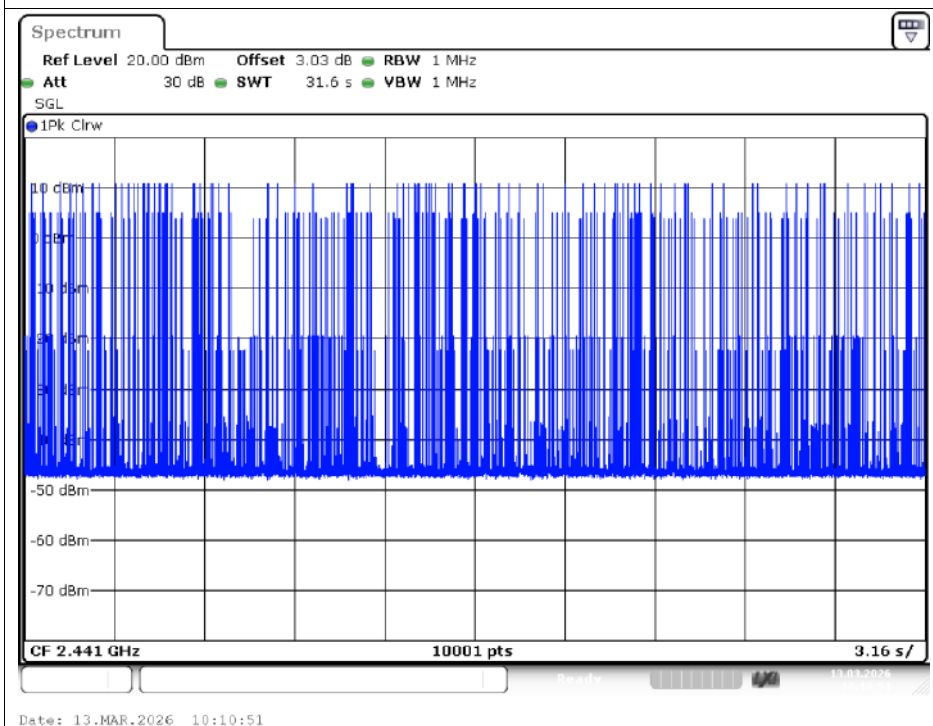
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



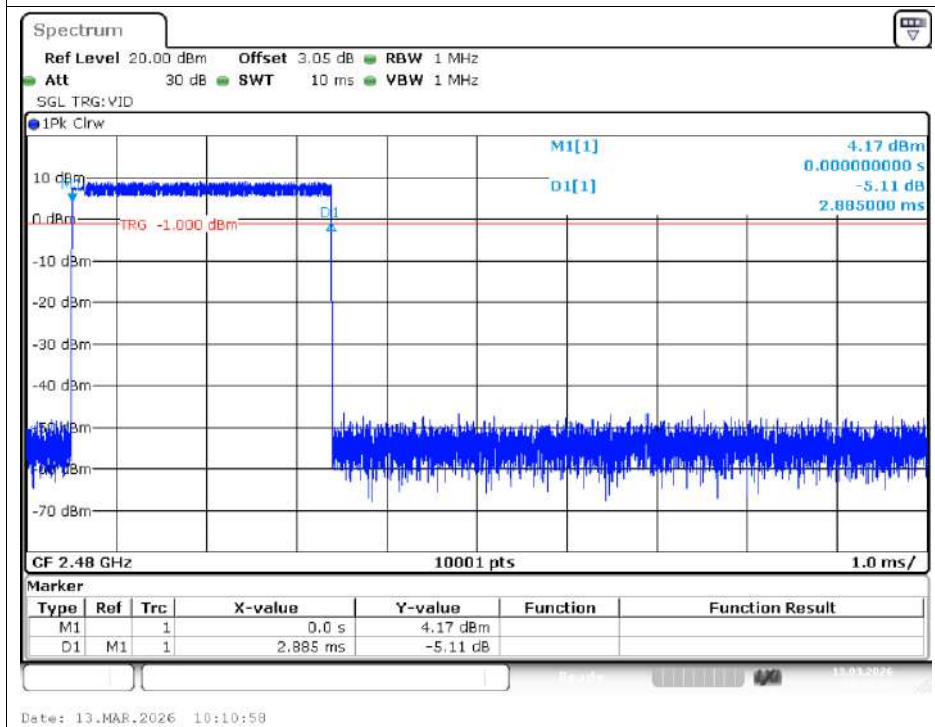
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



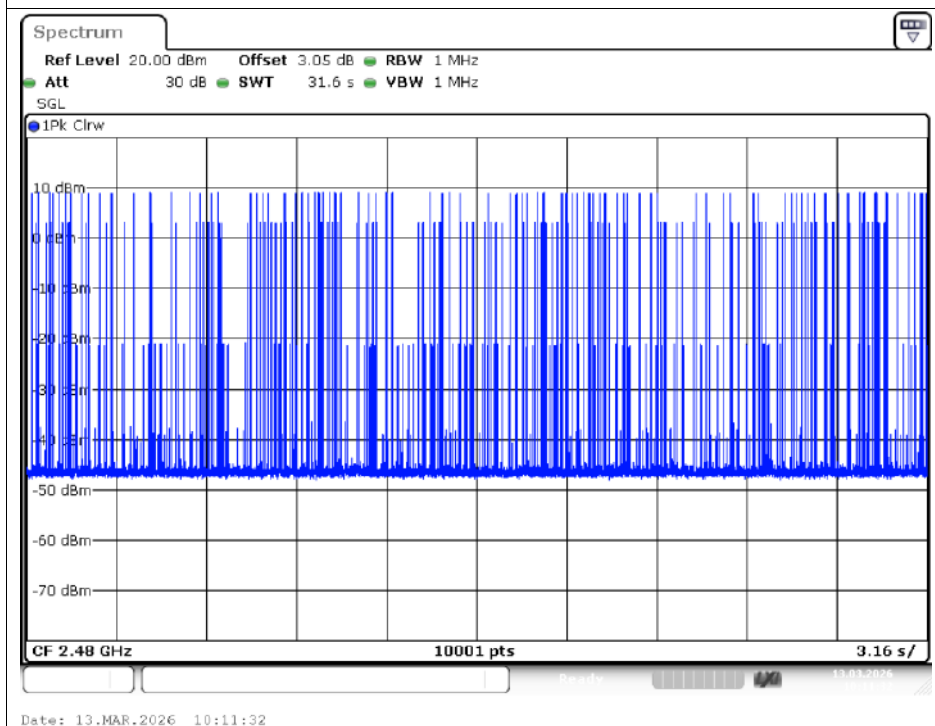
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



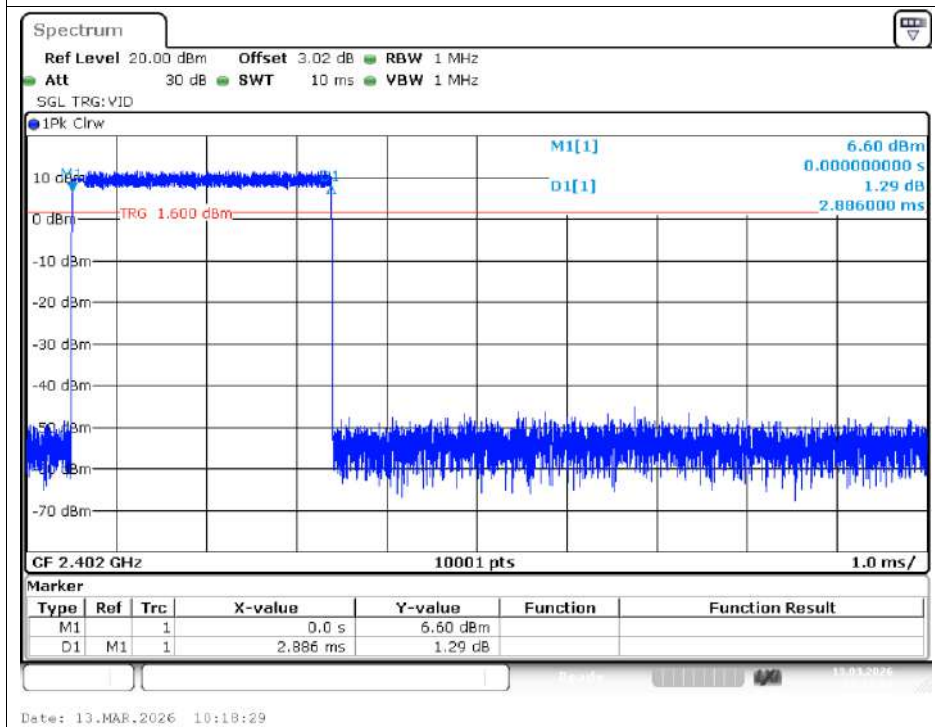
Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



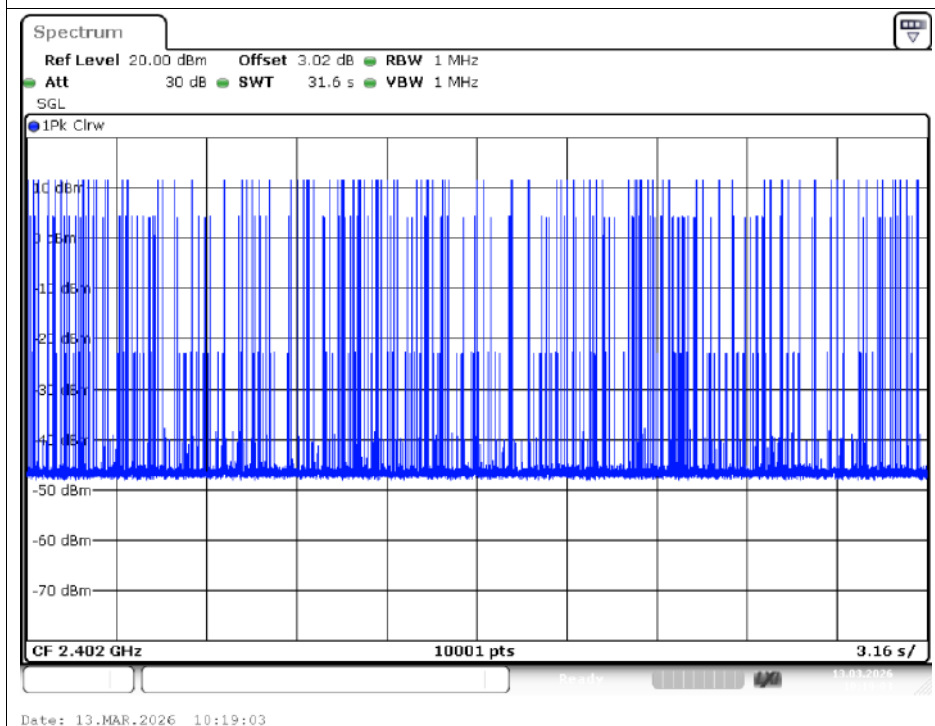
Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



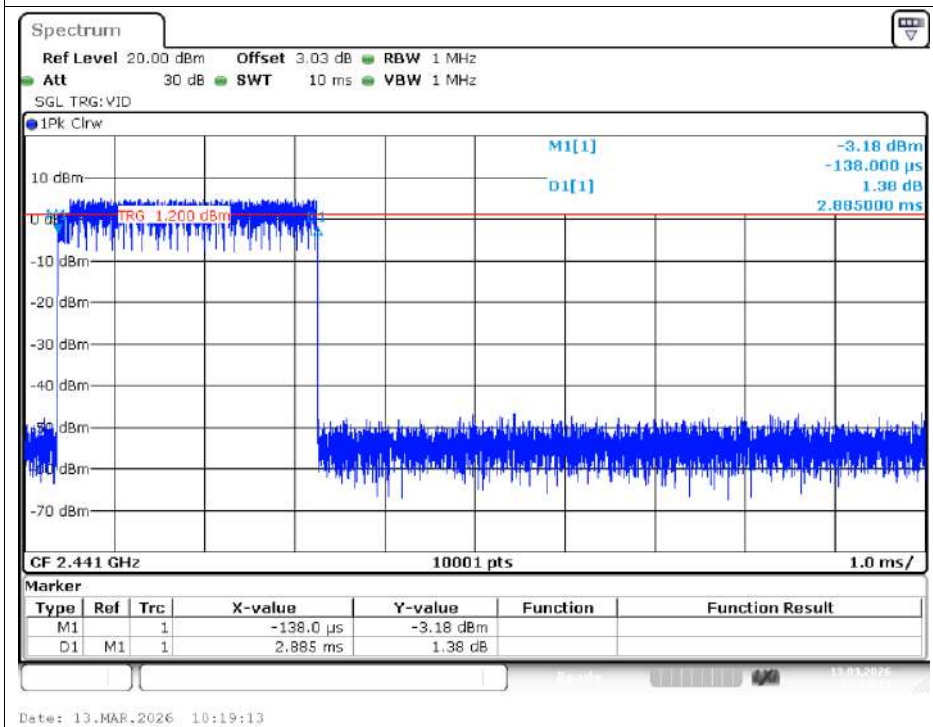
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



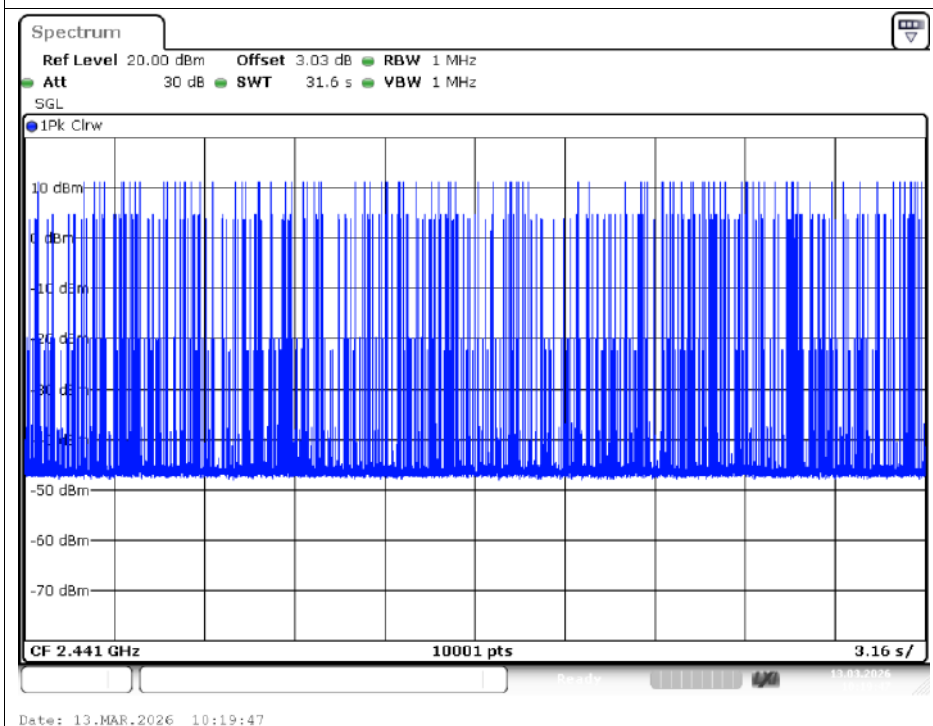
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



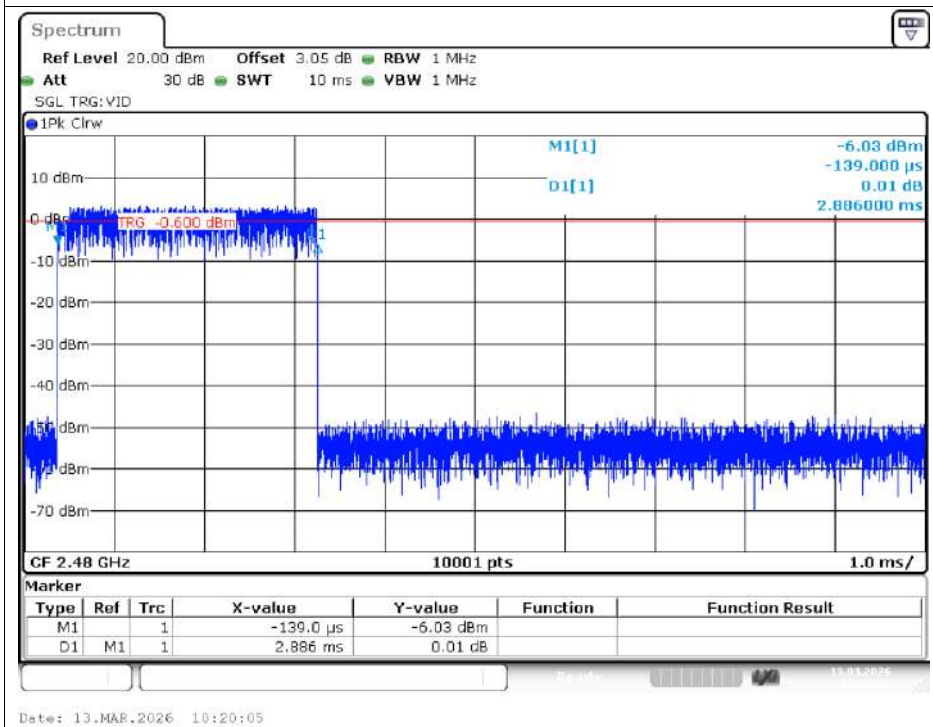
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



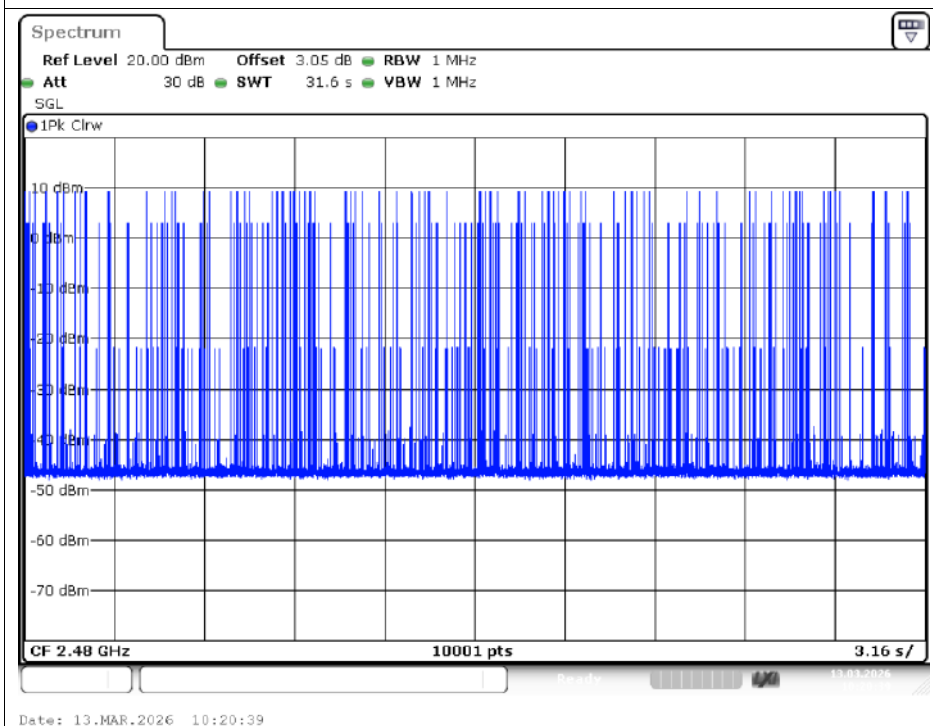
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated

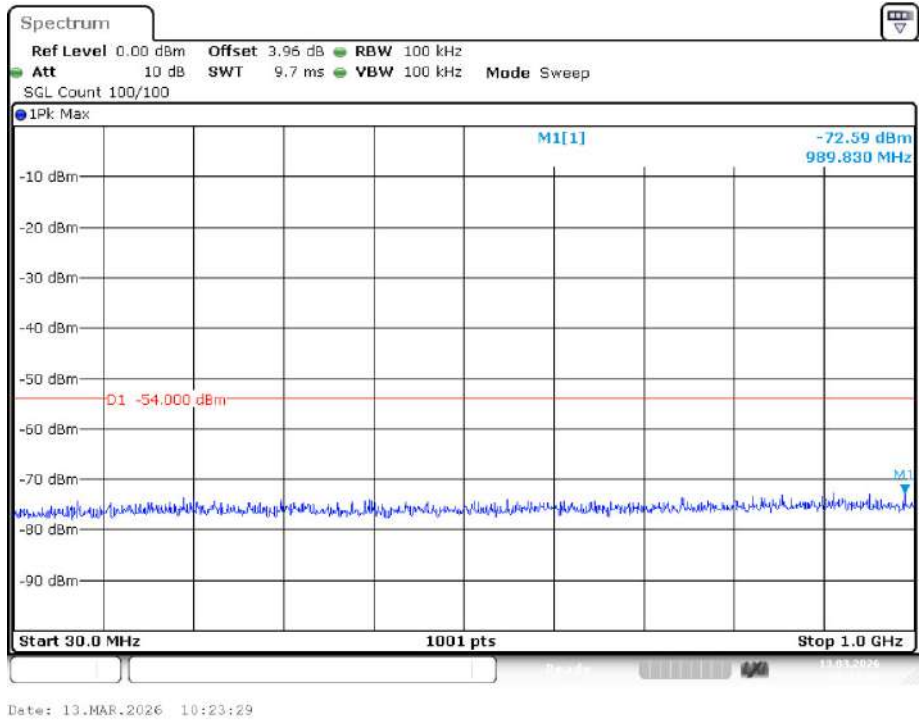


Rx Spurious Emission

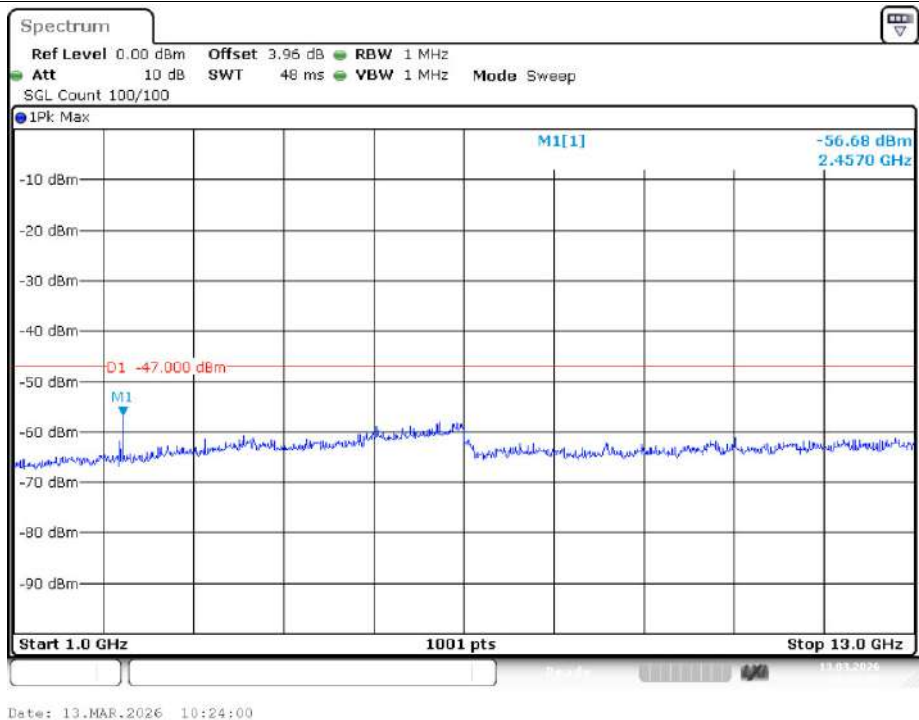
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	30-1000	989.83	-72.59	-54	Pass
NVNT	1-DH5	2402	Ant1	1000-13000	2457	-56.68	-47	Pass
NVNT	1-DH5	2441	Ant1	30-1000	920.05	-73.27	-54	Pass
NVNT	1-DH5	2441	Ant1	1000-13000	2457	-54.42	-47	Pass
NVNT	1-DH5	2480	Ant1	30-1000	661.32	-72.59	-54	Pass
NVNT	1-DH5	2480	Ant1	1000-13000	2457	-55.45	-47	Pass
NVNT	2-DH5	2402	Ant1	30-1000	817.34	-72.89	-54	Pass
NVNT	2-DH5	2402	Ant1	1000-13000	2469	-57.66	-47	Pass
NVNT	2-DH5	2441	Ant1	30-1000	618.69	-72.38	-54	Pass
NVNT	2-DH5	2441	Ant1	1000-13000	2469	-57	-47	Pass
NVNT	2-DH5	2480	Ant1	30-1000	695.24	-72.8	-54	Pass
NVNT	2-DH5	2480	Ant1	1000-13000	2469	-57.39	-47	Pass
NVNT	3-DH5	2402	Ant1	30-1000	950.09	-72.88	-54	Pass
NVNT	3-DH5	2402	Ant1	1000-13000	2457	-56.54	-47	Pass
NVNT	3-DH5	2441	Ant1	30-1000	185.53	-73.08	-54	Pass
NVNT	3-DH5	2441	Ant1	1000-13000	2469	-57.57	-47	Pass
NVNT	3-DH5	2480	Ant1	30-1000	767.92	-73.21	-54	Pass
NVNT	3-DH5	2480	Ant1	1000-13000	5753	-53.43	-47	Pass

Test Graphs

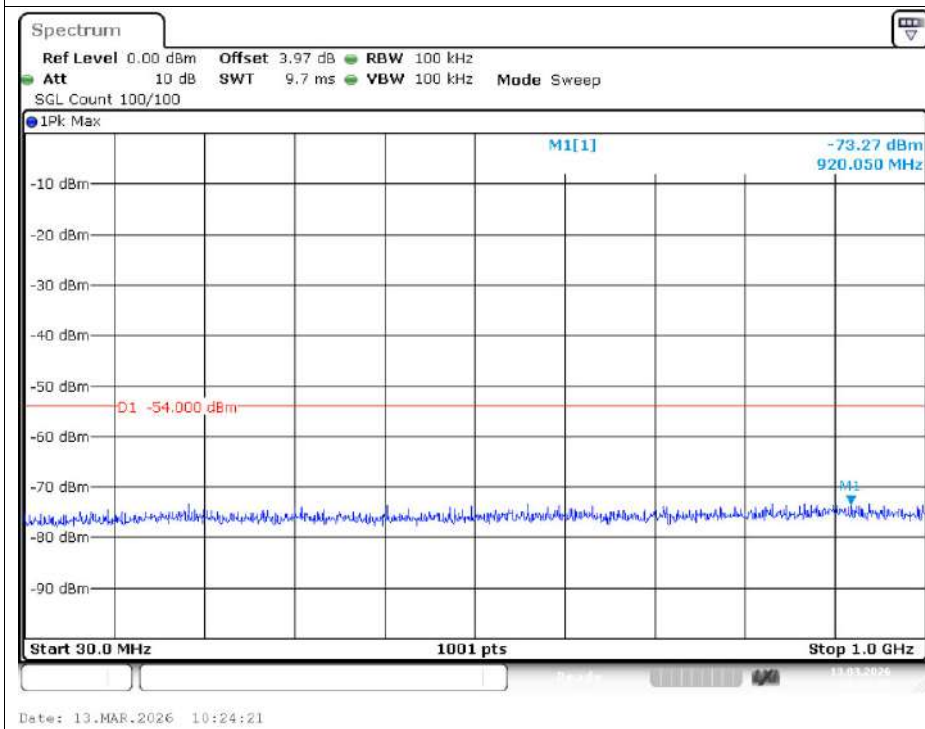
Rx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 30MHz-1000MHz



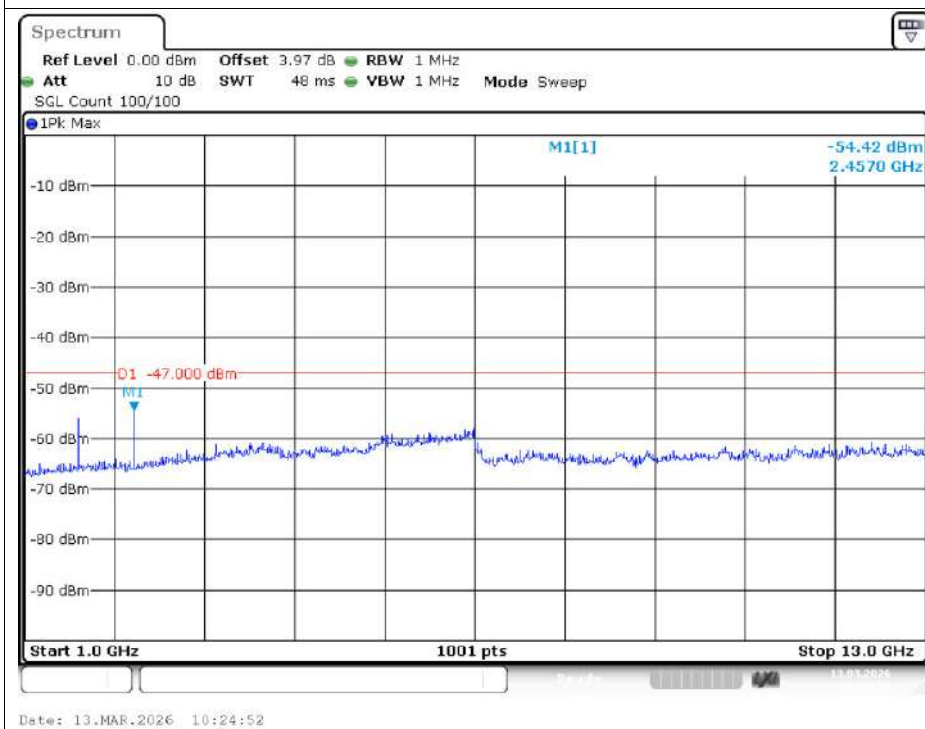
Rx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



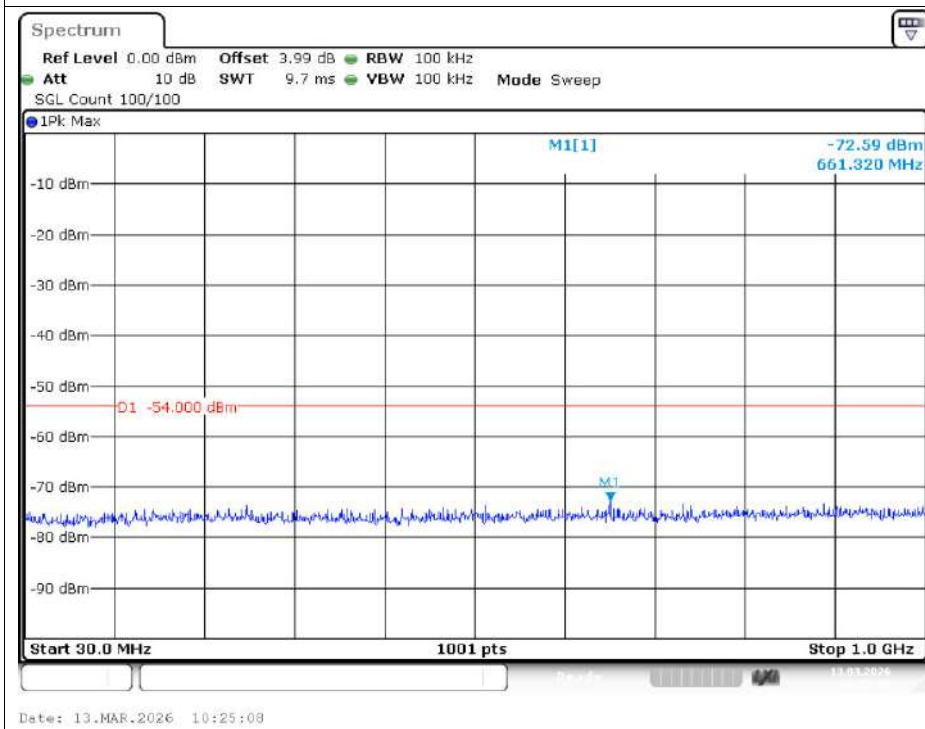
Rx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 30MHz-1000MHz



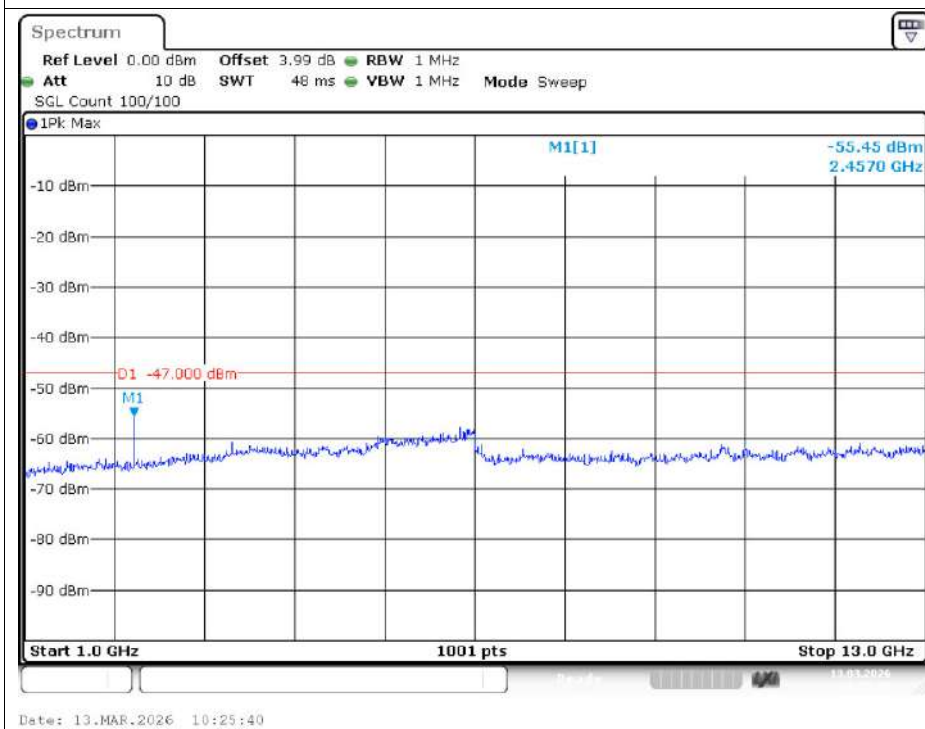
Rx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



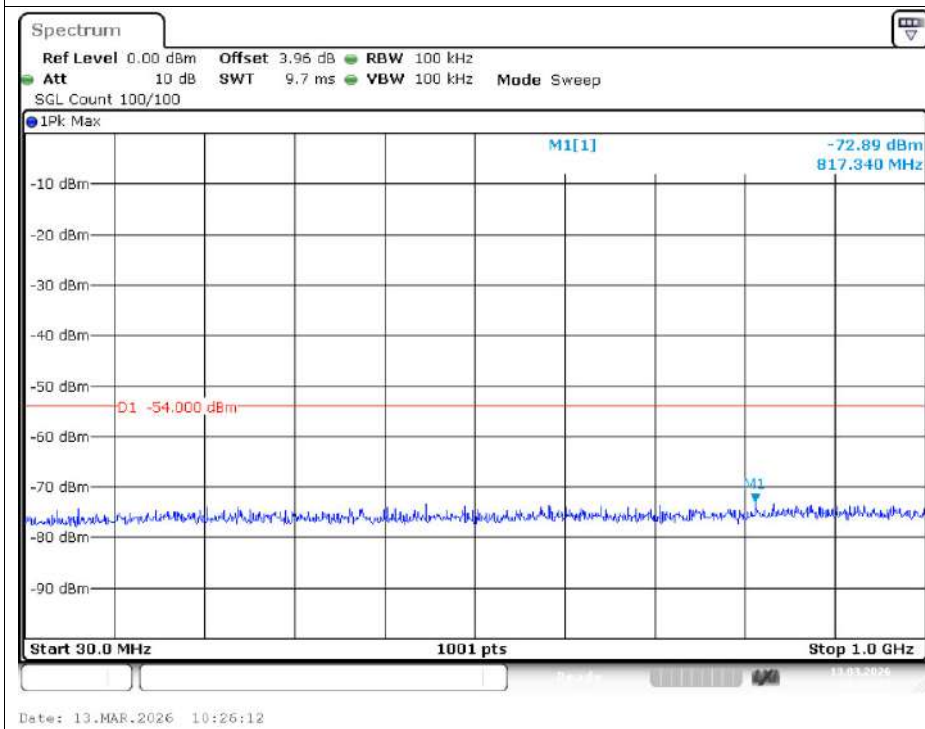
Rx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 30MHz-1000MHz



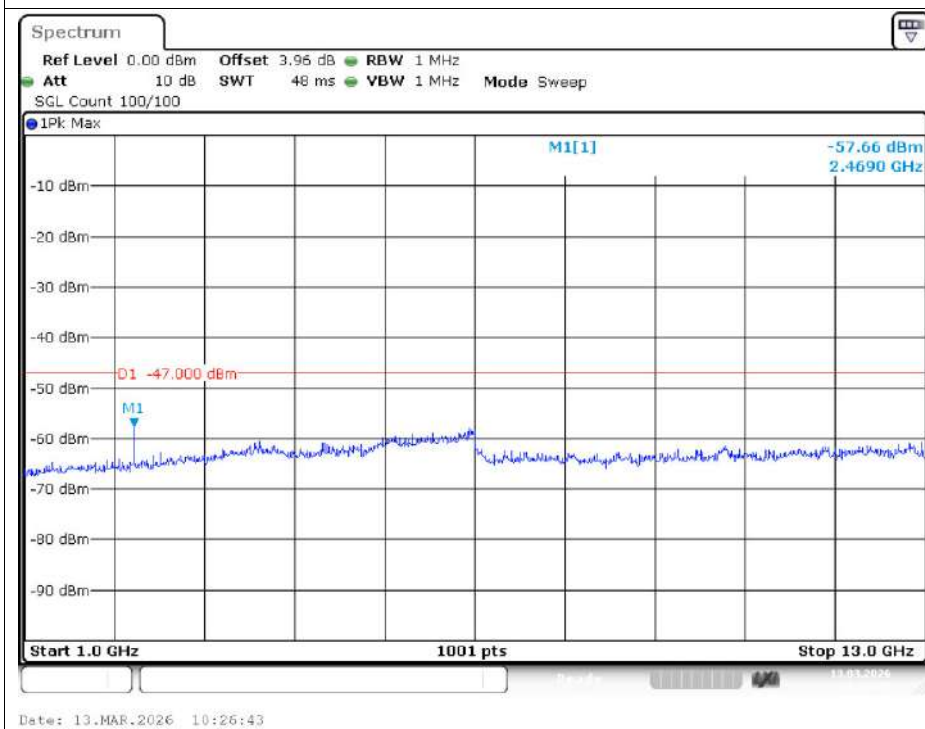
Rx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 1000MHz-13000MHz



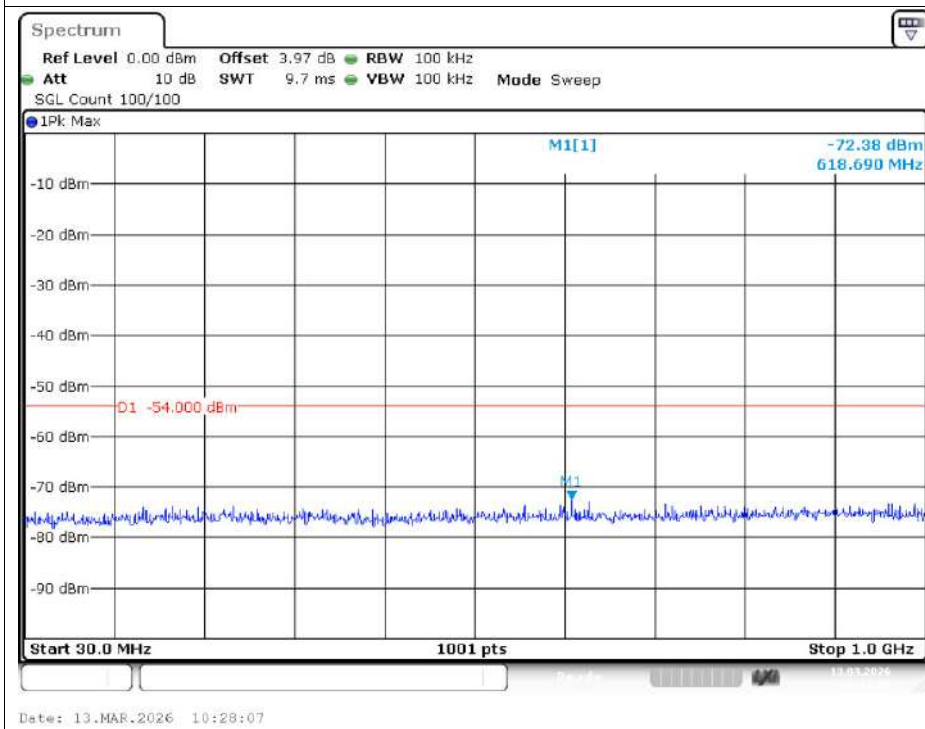
Rx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 30MHz-1000MHz



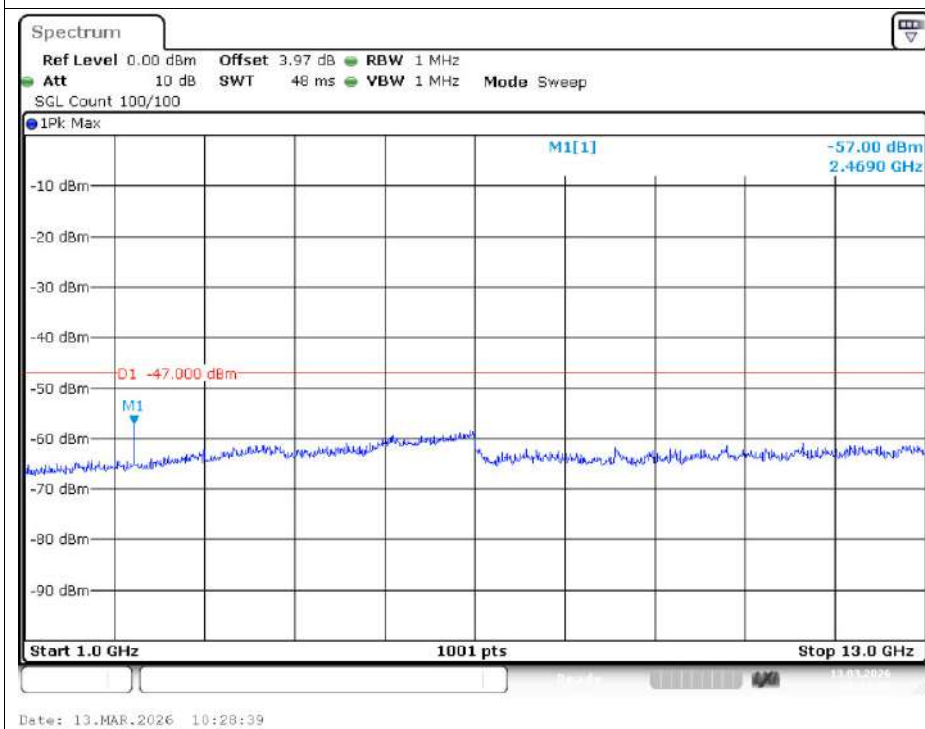
Rx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



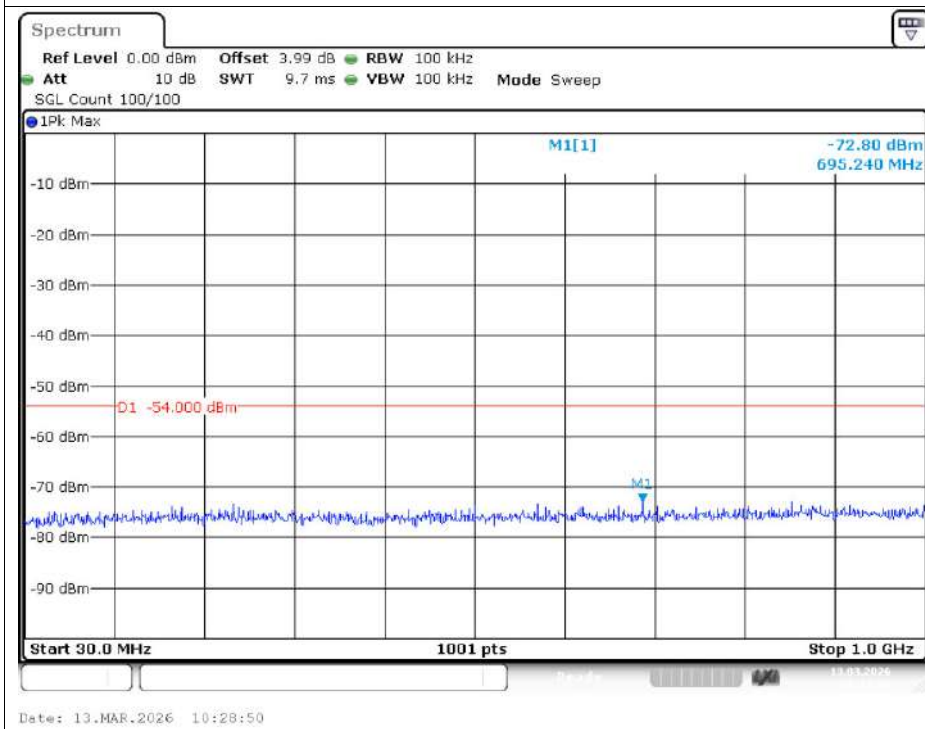
Rx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 30MHz-1000MHz



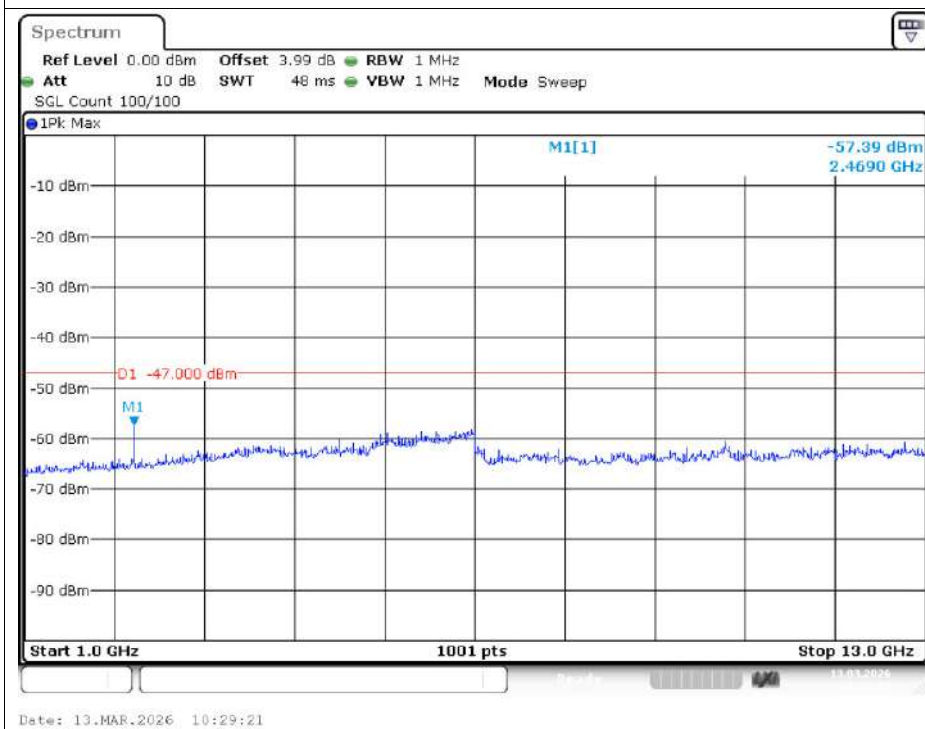
Rx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



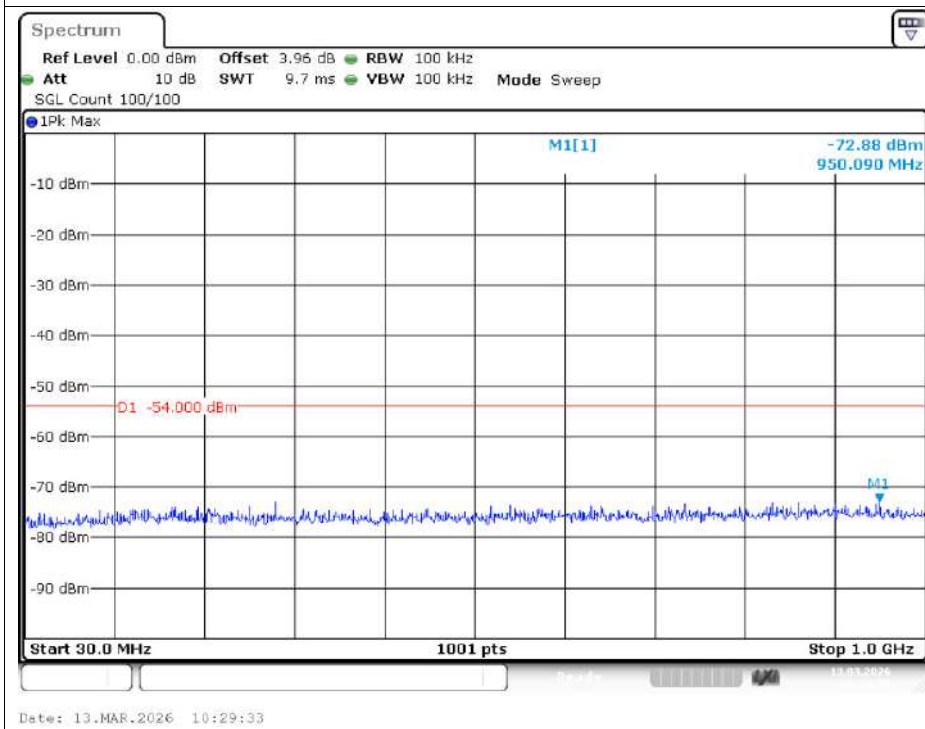
Rx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 30MHz-1000MHz



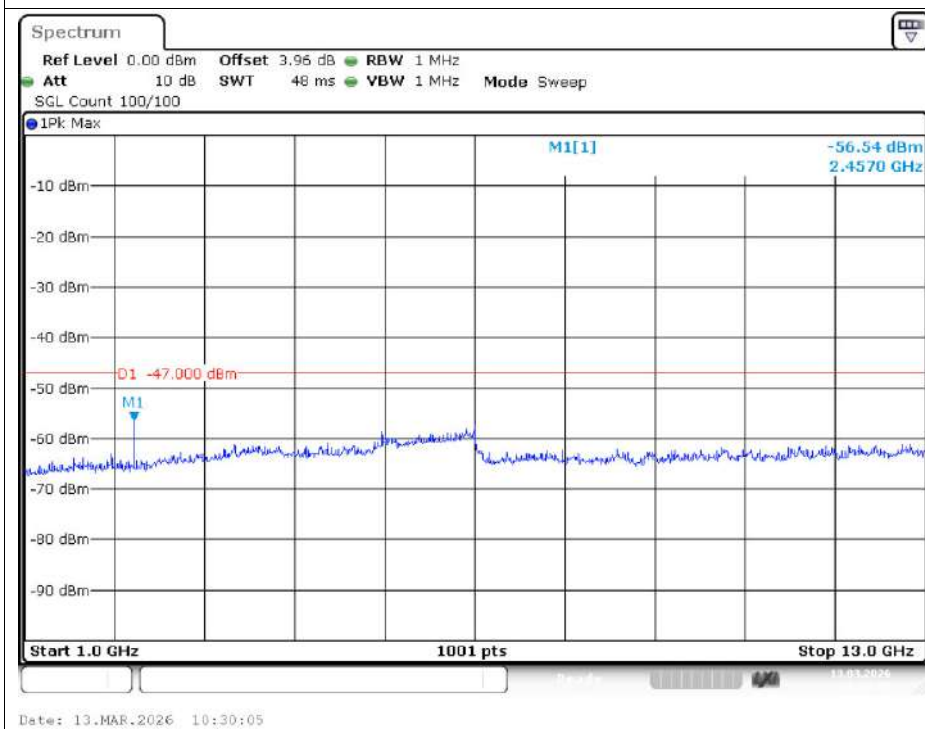
Rx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 1000MHz-13000MHz



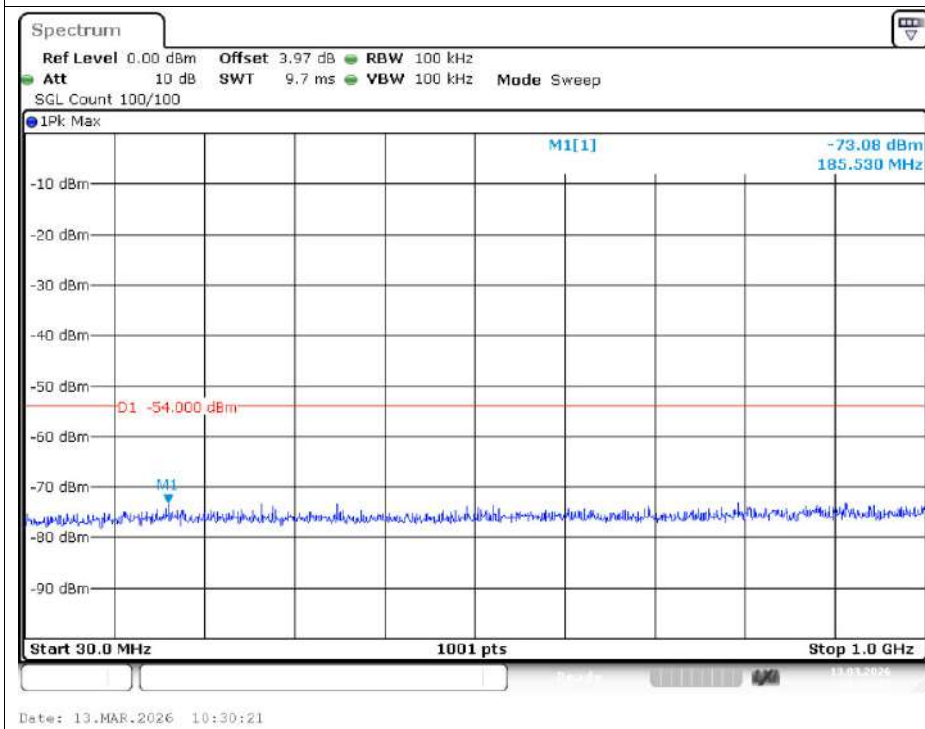
Rx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 30MHz-1000MHz



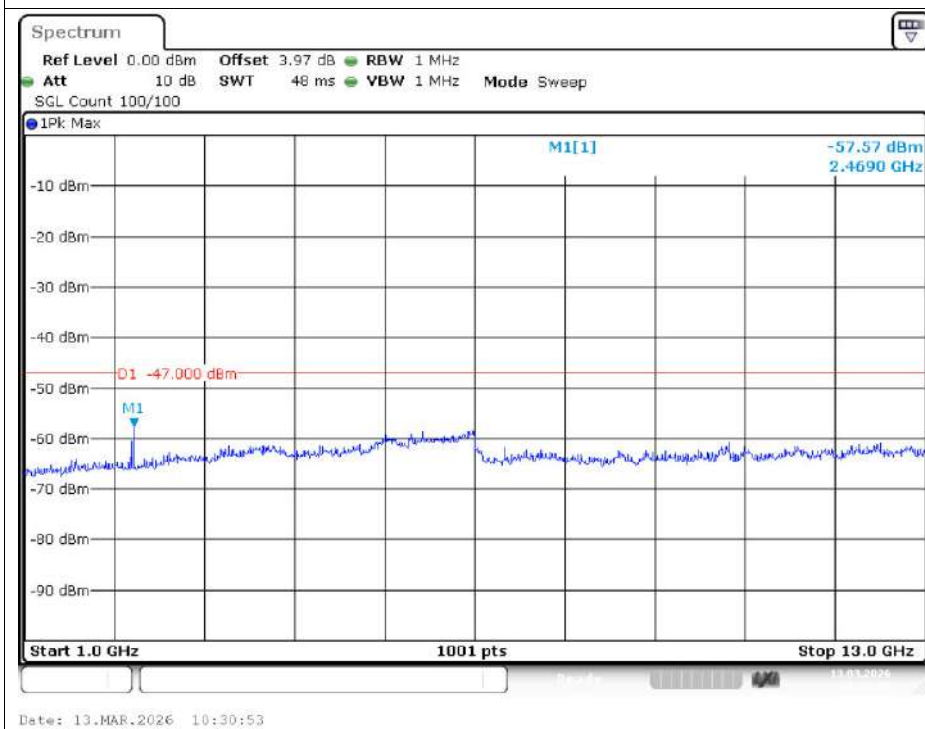
Rx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



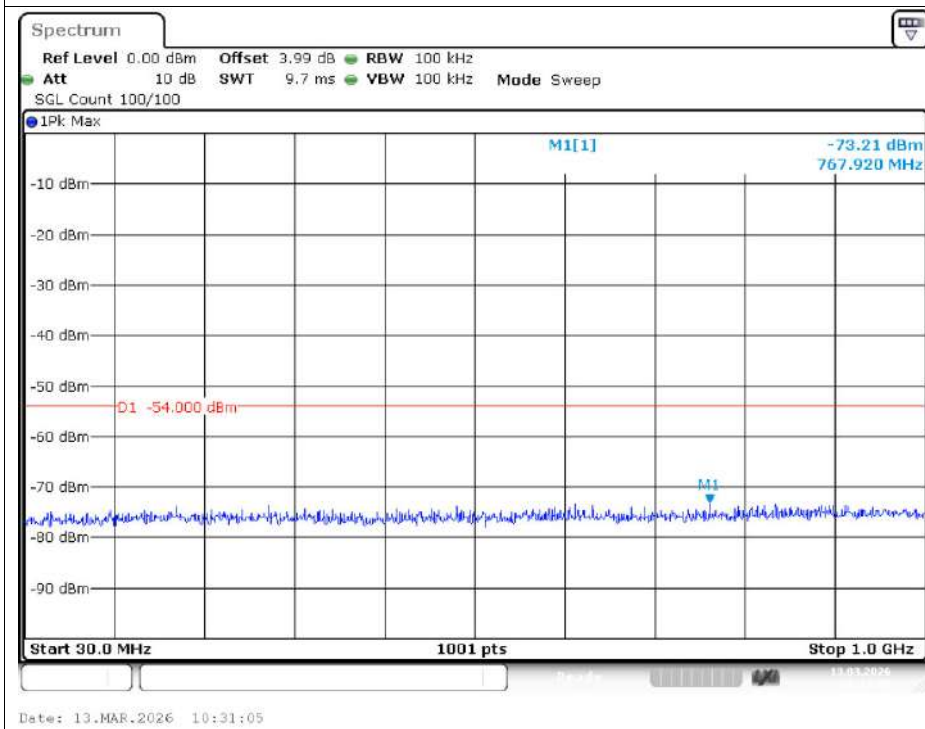
Rx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



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