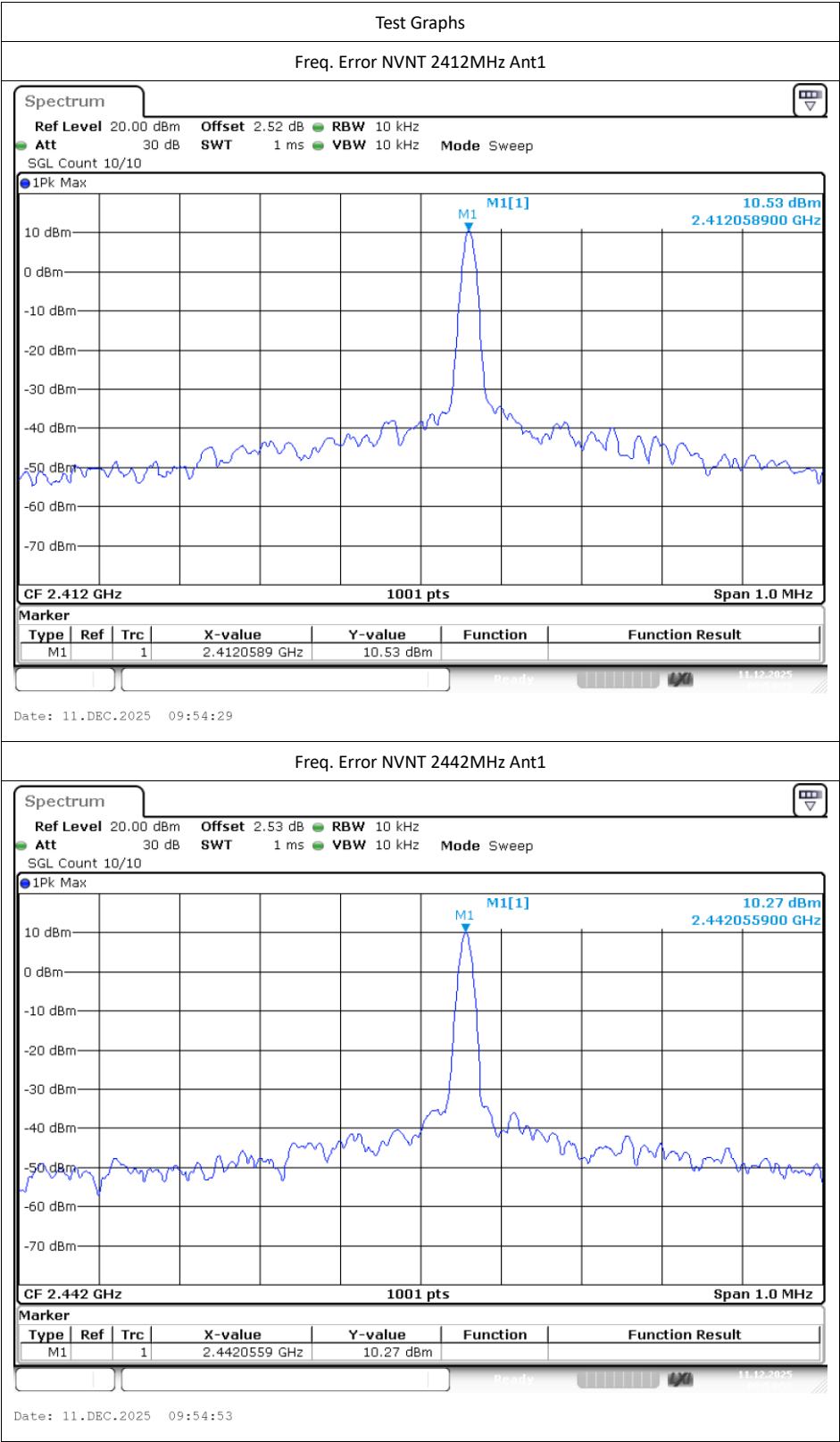
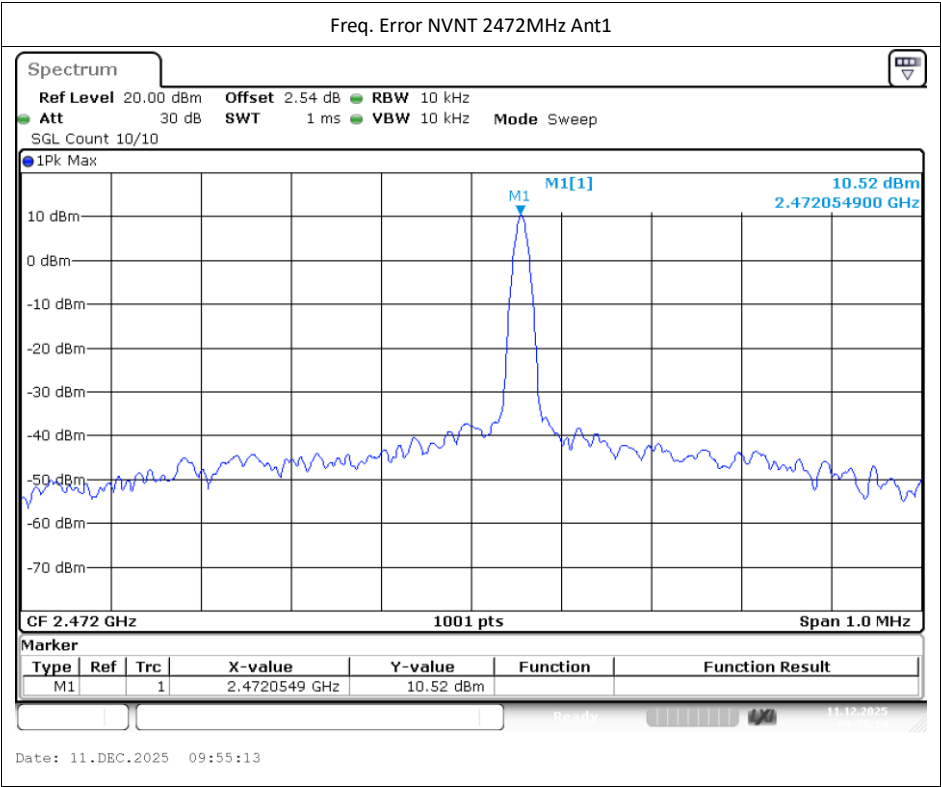


Frequency Error

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2412	Ant1	2412.0589	58900	24.42	50	Pass
NVNT	2442	Ant1	2442.0559	55900	22.89	50	Pass
NVNT	2472	Ant1	2472.0549	54900	22.21	50	Pass





Antenna Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (dBm/MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	b	2412	Ant1	13.27	3.89	2.449	10	2.5	-2.05	20	Pass
NVNT	b	2442	Ant1	13.05	3.65	2.317	10	2.5	-7.32	20	Pass
NVNT	b	2472	Ant1	13.26	3.86	2.432	10	2.5	-2.73	20	Pass
NVNT	g	2412	Ant1	12.24	0.61	1.152	10	1.2	-4.04	20	Pass
NVNT	g	2442	Ant1	12.16	0.60	1.149	10	1.2	-4.21	20	Pass
NVNT	g	2472	Ant1	12.23	0.63	1.155	10	1.2	-3.73	20	Pass
NVNT	n20	2412	Ant1	11.33	-0.29	0.936	10	1	-6.36	20	Pass
NVNT	n20	2442	Ant1	11.11	-0.53	0.885	10	1	-11.47	20	Pass
NVNT	n20	2472	Ant1	11.05	-0.59	0.873	10	1	-12.68	20	Pass

EIRP Power

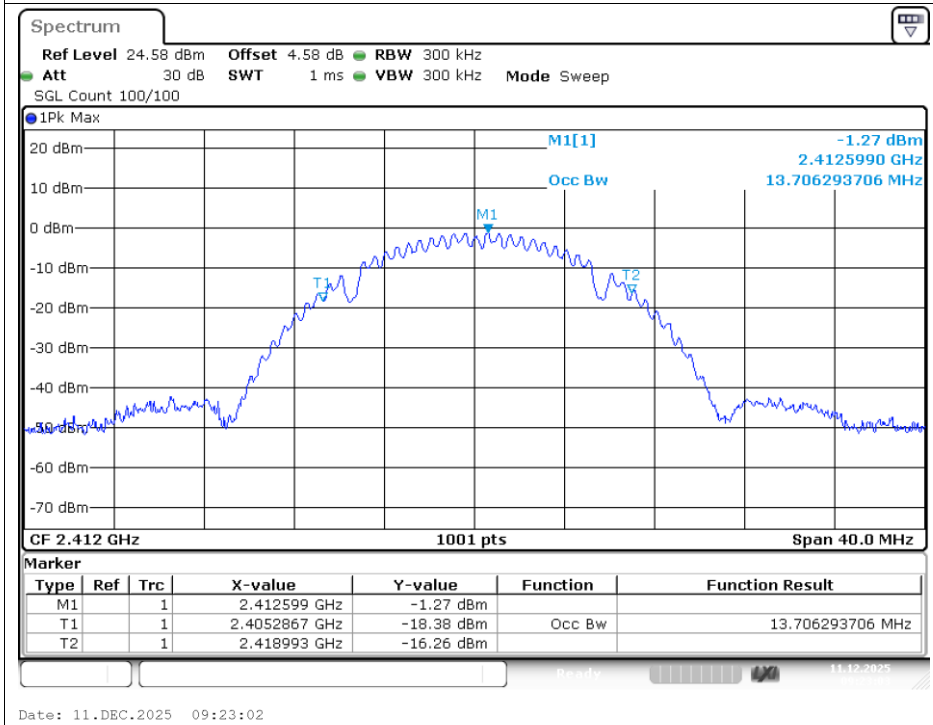
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP Power (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	3.89	2.06	5.95	12.14	Pass
NVNT	b	2442	Ant1	3.65	2.06	5.71	12.14	Pass
NVNT	b	2472	Ant1	3.86	2.06	5.92	12.14	Pass
NVNT	g	2412	Ant1	0.61	2.06	2.67	12.14	Pass
NVNT	g	2442	Ant1	0.60	2.06	2.66	12.14	Pass
NVNT	g	2472	Ant1	0.63	2.06	2.69	12.14	Pass
NVNT	n20	2412	Ant1	-0.29	2.06	1.77	12.14	Pass
NVNT	n20	2442	Ant1	-0.53	2.06	1.53	12.14	Pass
NVNT	n20	2472	Ant1	-0.59	2.06	1.47	12.14	Pass

Occupied Channel Bandwidth

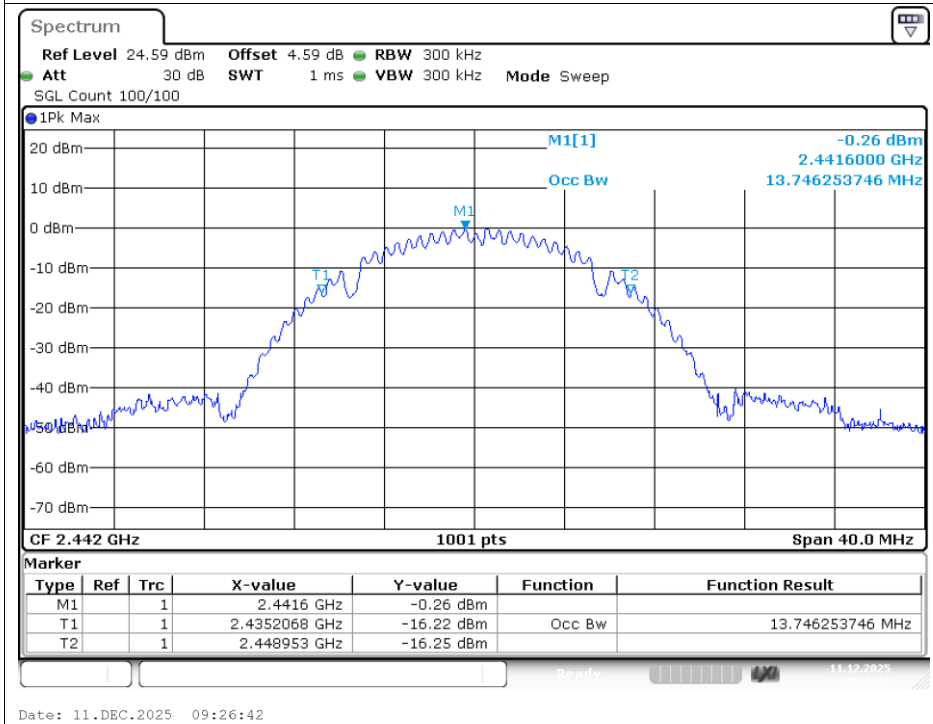
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	b	2412	Ant1	13.706	N/A	26	Pass
NVNT	b	2442	Ant1	13.746	N/A	26	Pass
NVNT	b	2472	Ant1	13.746	N/A	26	Pass
NVNT	g	2412	Ant1	17.023	N/A	26	Pass
NVNT	g	2442	Ant1	16.983	N/A	26	Pass
NVNT	g	2472	Ant1	17.063	N/A	26	Pass
NVNT	n20	2412	Ant1	17.742	N/A	26	Pass
NVNT	n20	2442	Ant1	17.862	N/A	26	Pass
NVNT	n20	2472	Ant1	17.822	N/A	26	Pass

Test Graphs

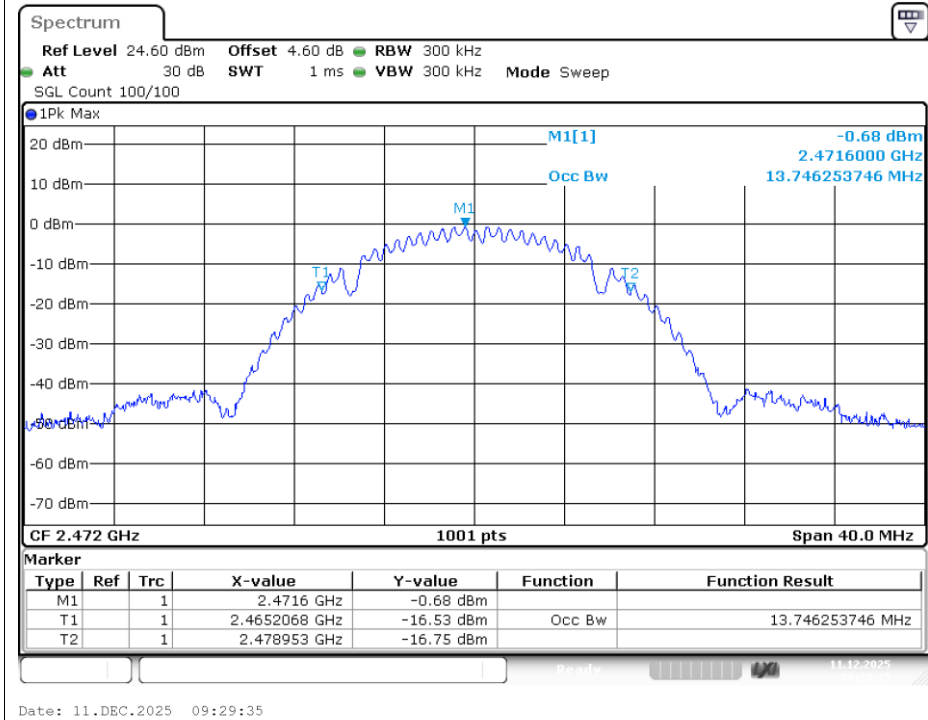
OBW NVNT b 2412MHz Ant1



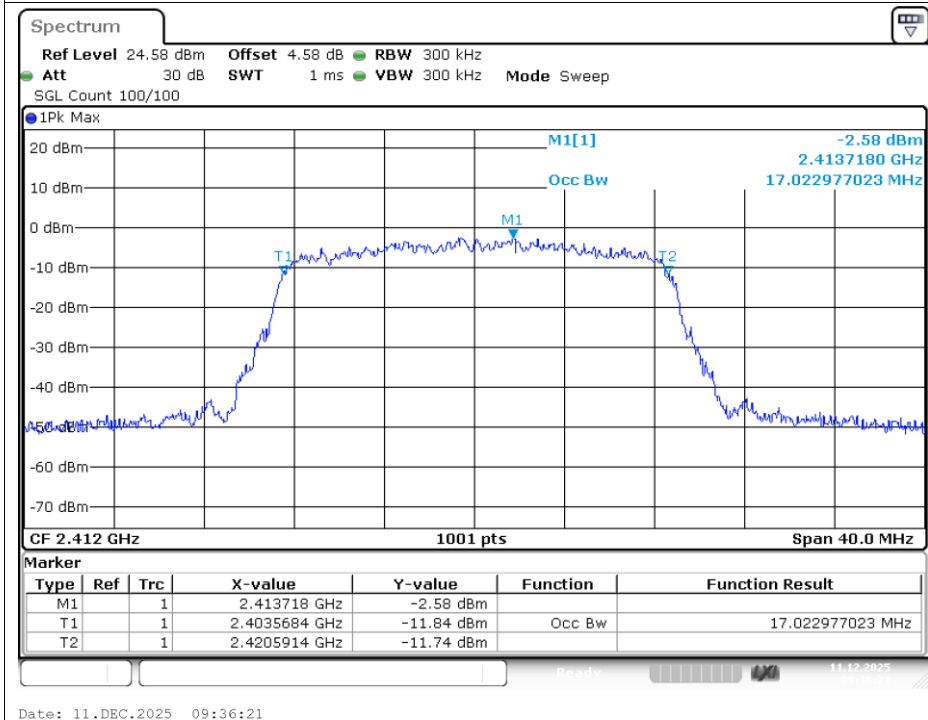
OBW NVNT b 2442MHz Ant1

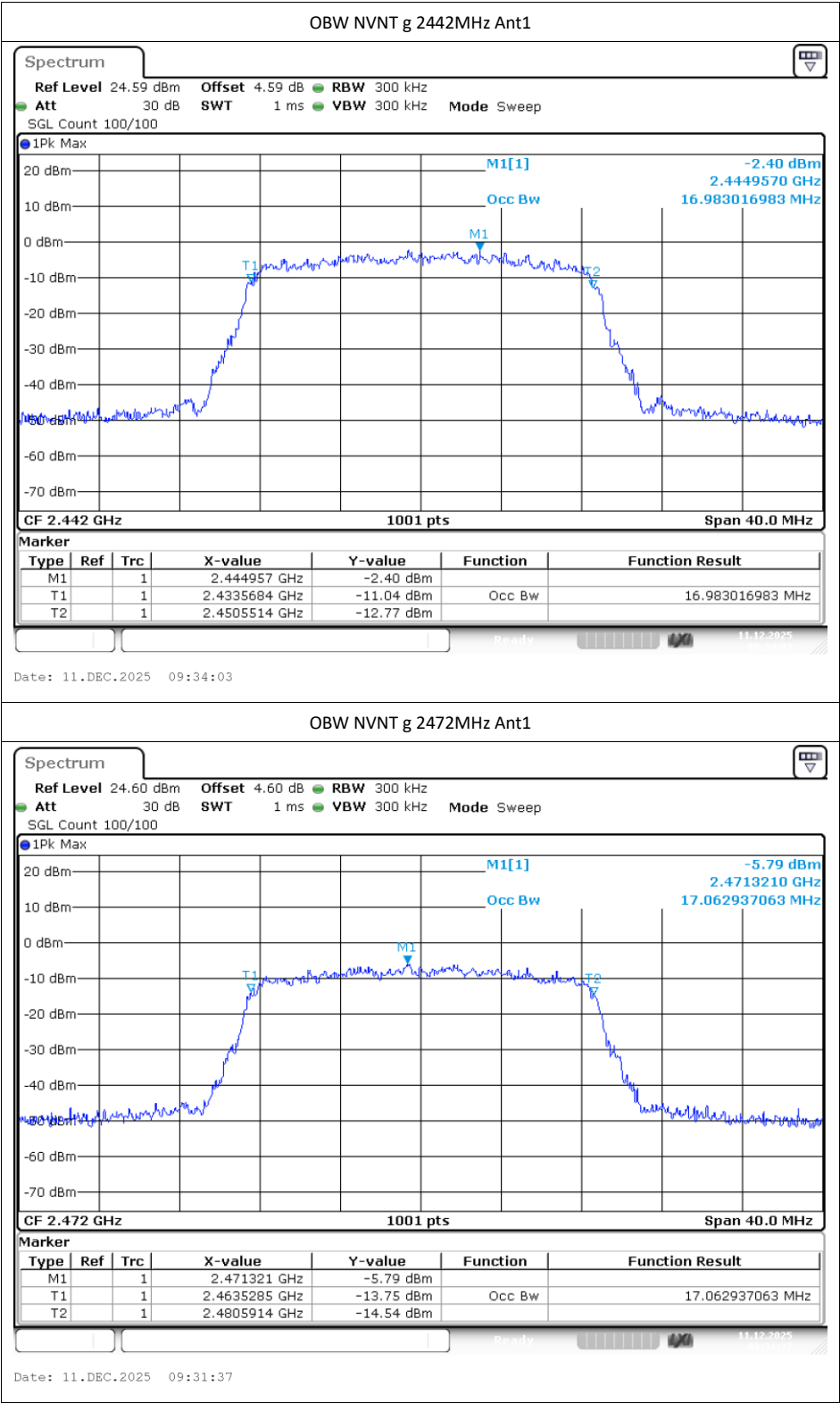


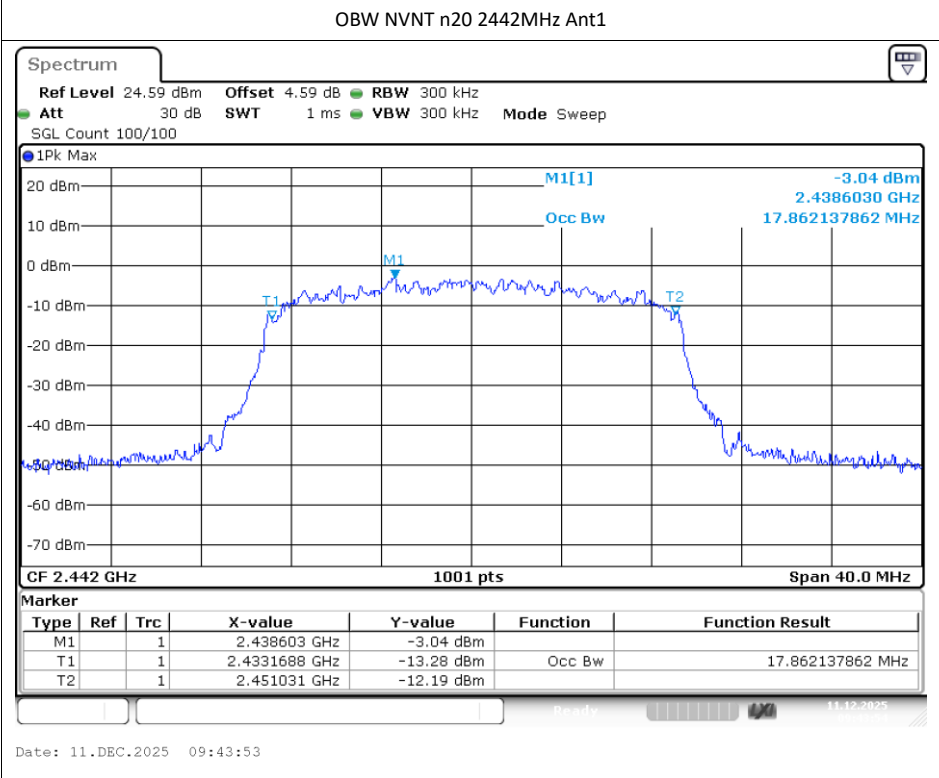
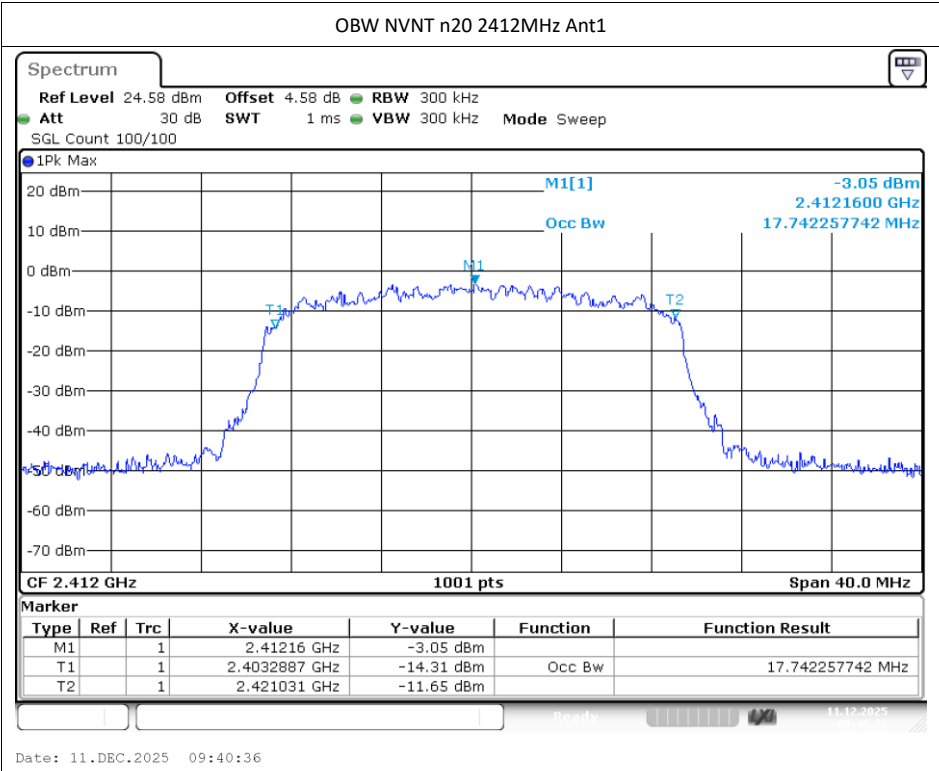
OBW NVNT b 2472MHz Ant1

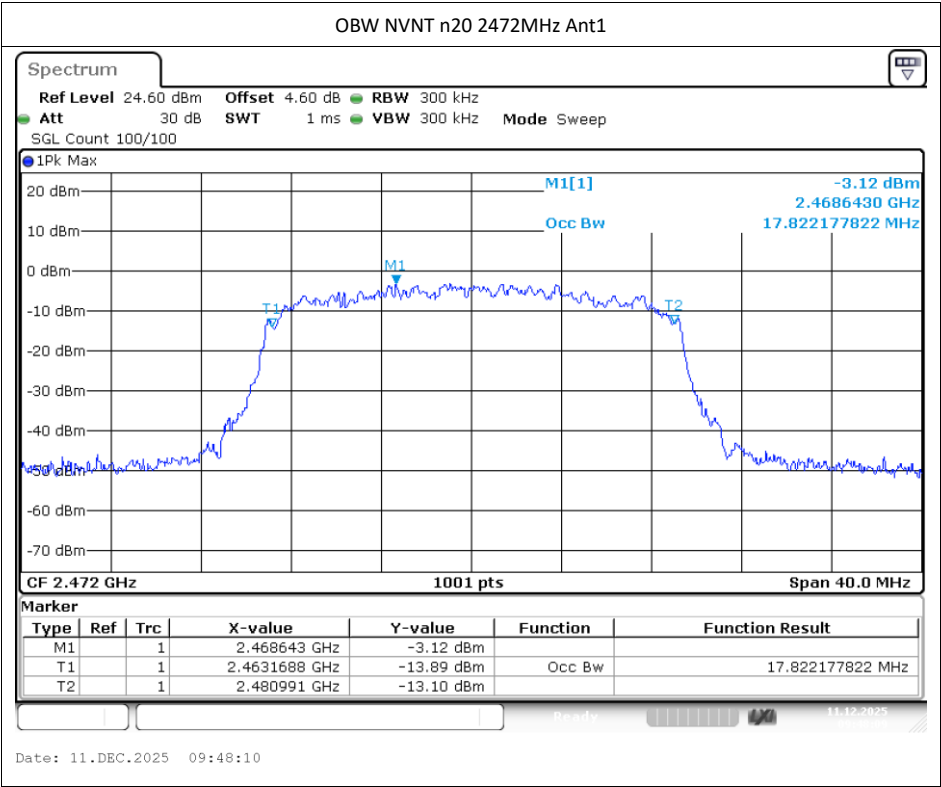


OBW NVNT g 2412MHz Ant1



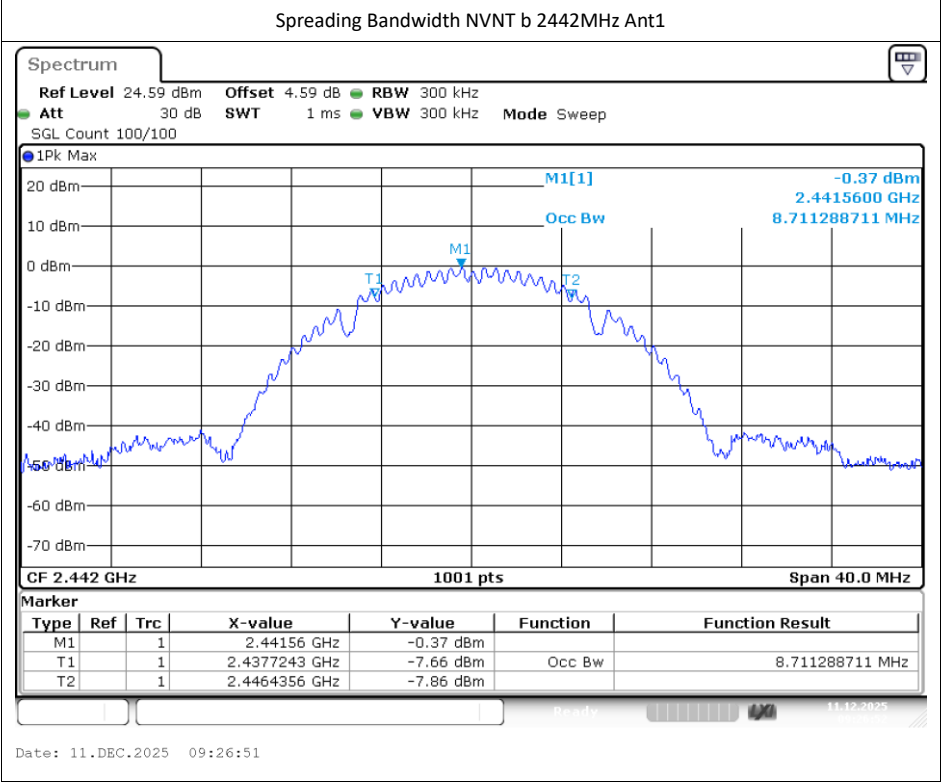
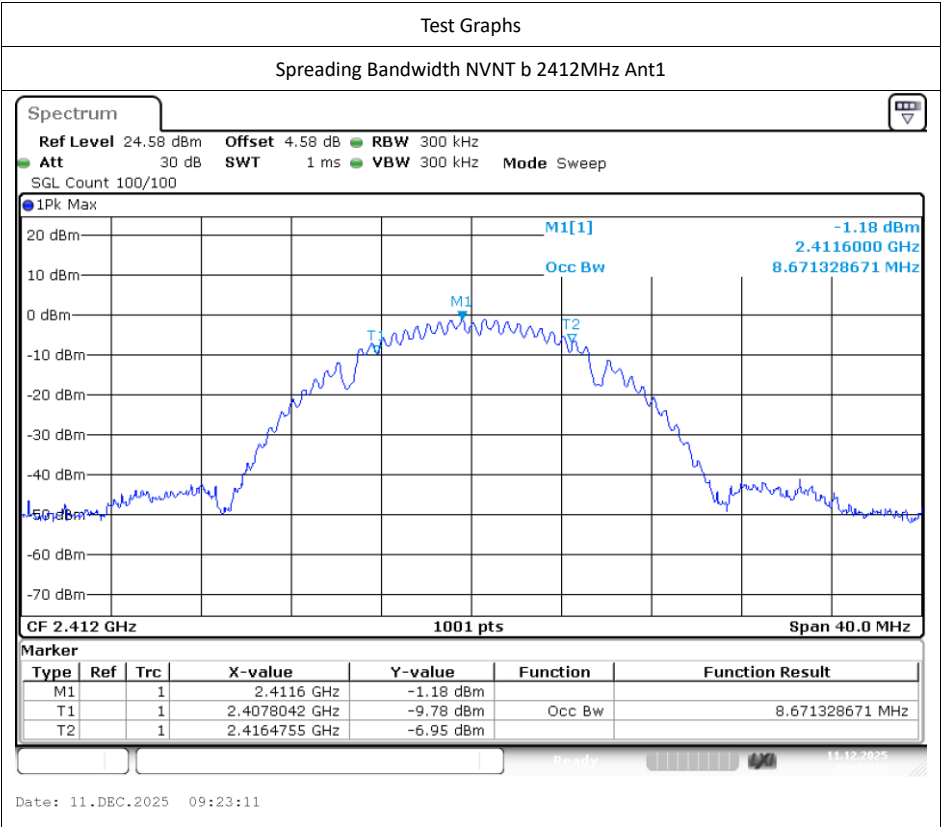




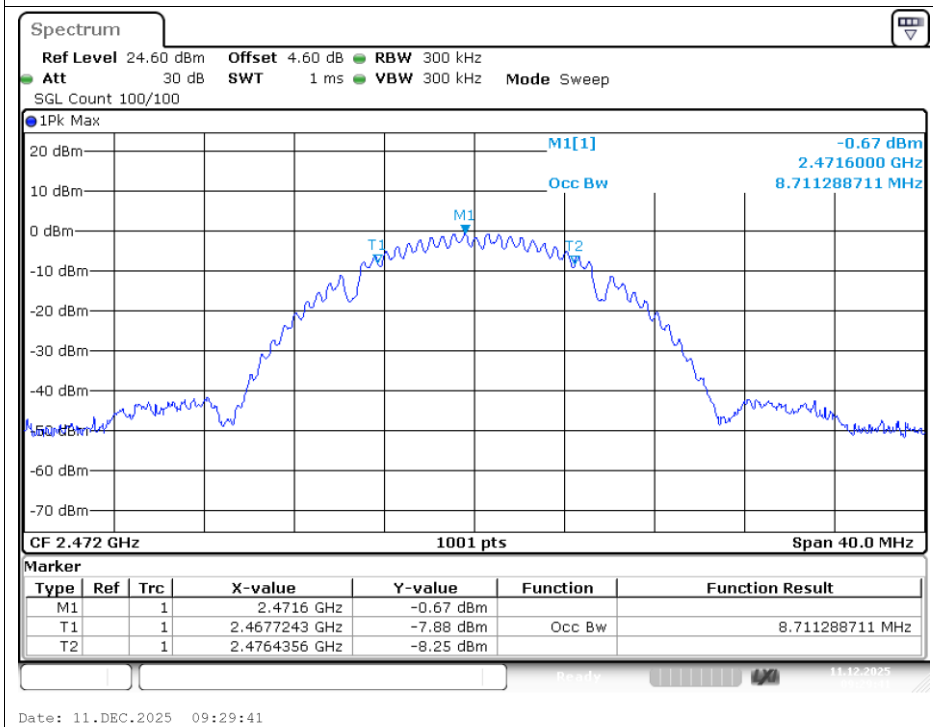


Spreading Bandwidth

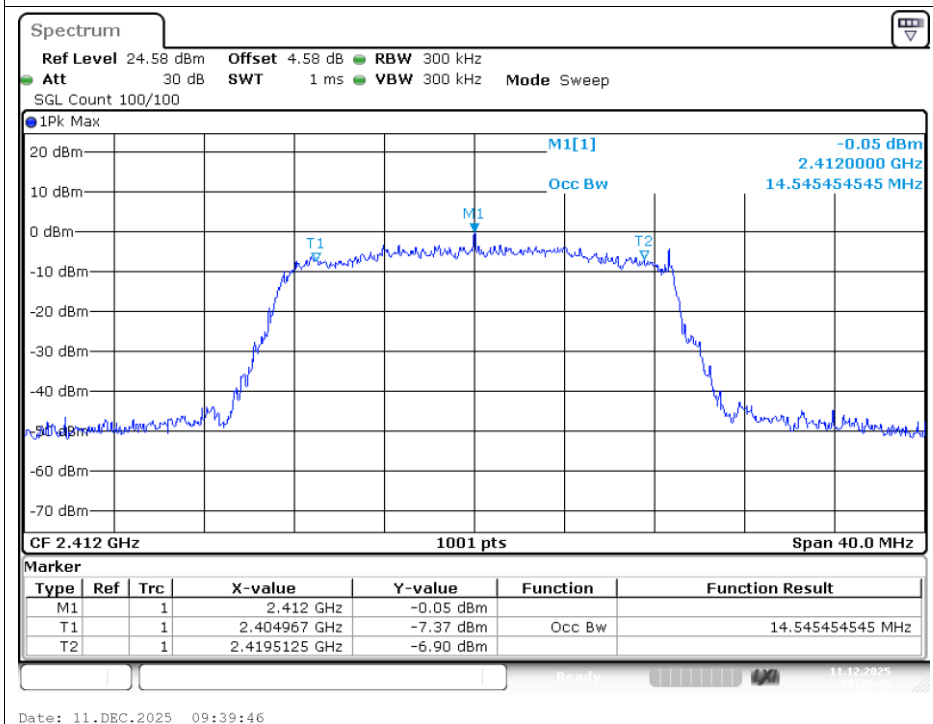
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)
NVNT	b	2412	Ant1	8.671
NVNT	b	2442	Ant1	8.711
NVNT	b	2472	Ant1	8.711
NVNT	g	2412	Ant1	14.545
NVNT	g	2442	Ant1	14.306
NVNT	g	2472	Ant1	14.466
NVNT	n20	2412	Ant1	14.505
NVNT	n20	2442	Ant1	14.585
NVNT	n20	2472	Ant1	14.585



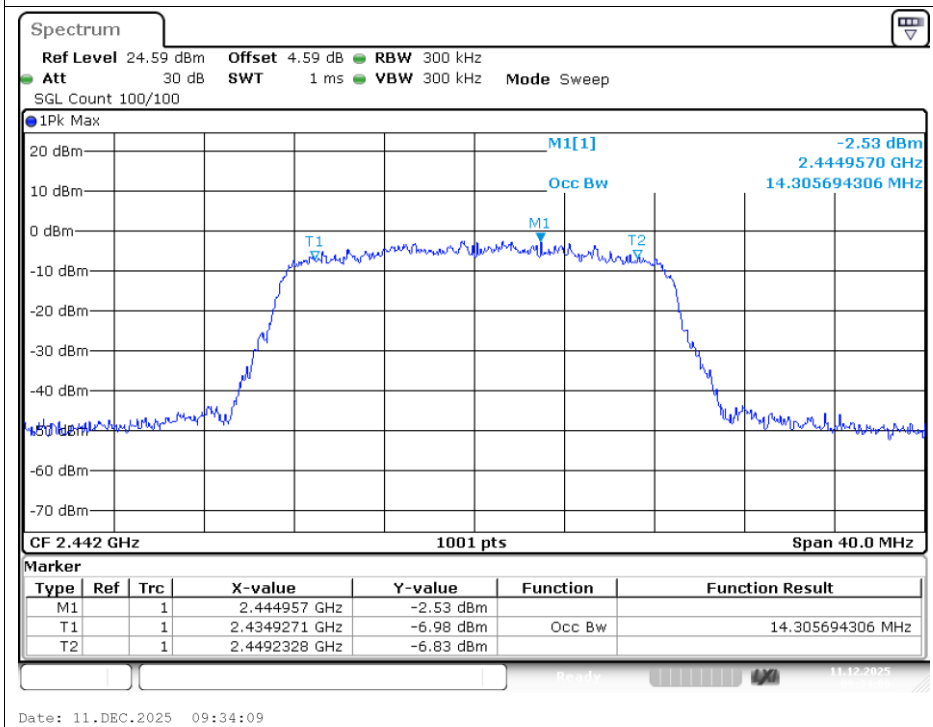
Spreading Bandwidth NVNT b 2472MHz Ant1



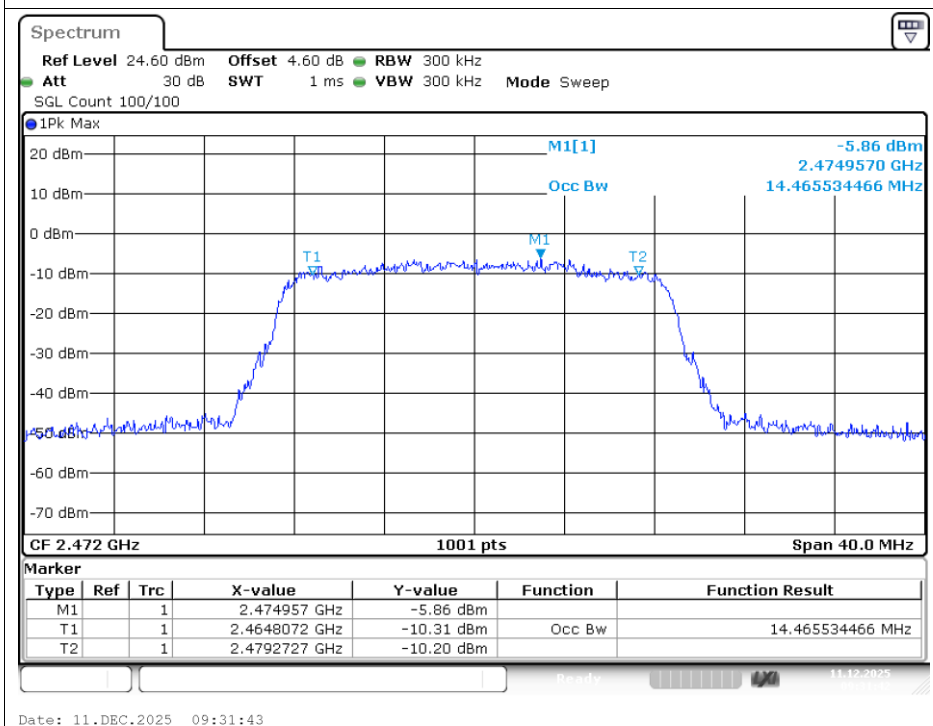
Spreading Bandwidth NVNT g 2412MHz Ant1



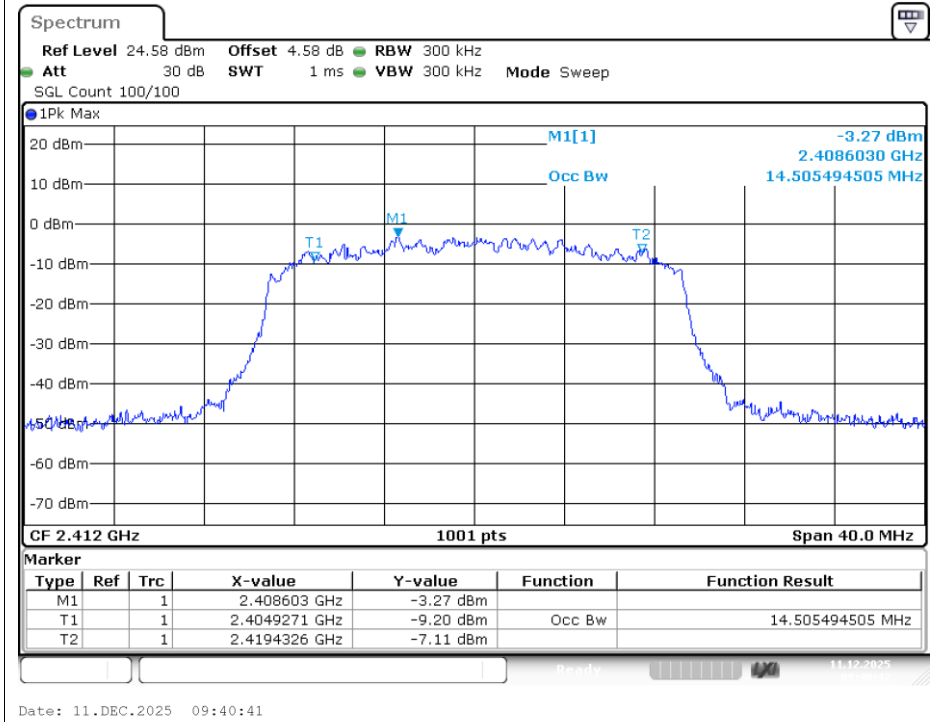
Spreading Bandwidth NVNT g 2442MHz Ant1



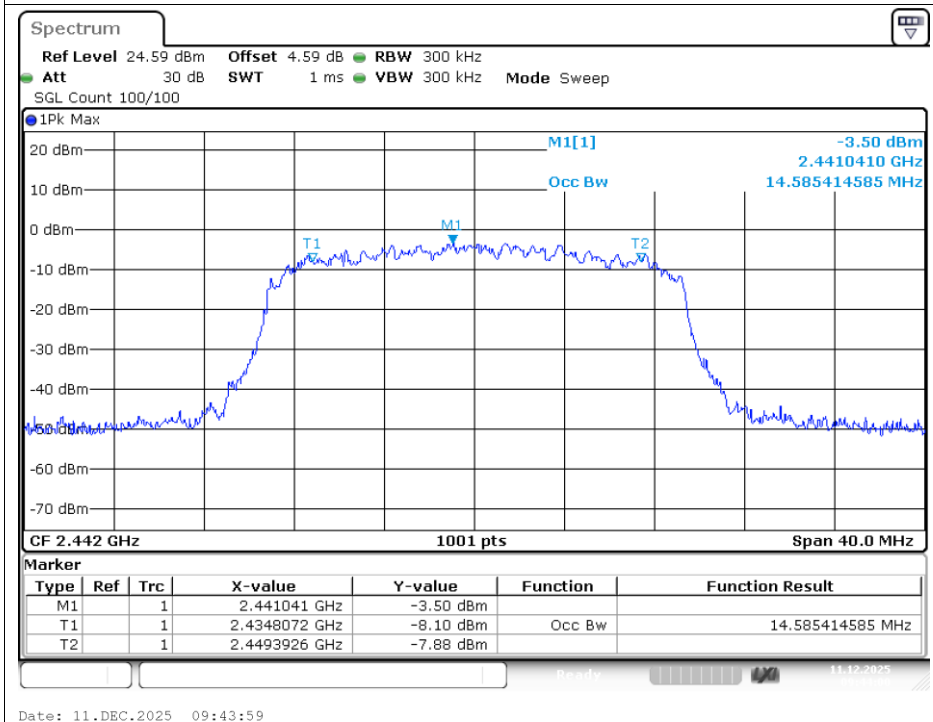
Spreading Bandwidth NVNT g 2472MHz Ant1

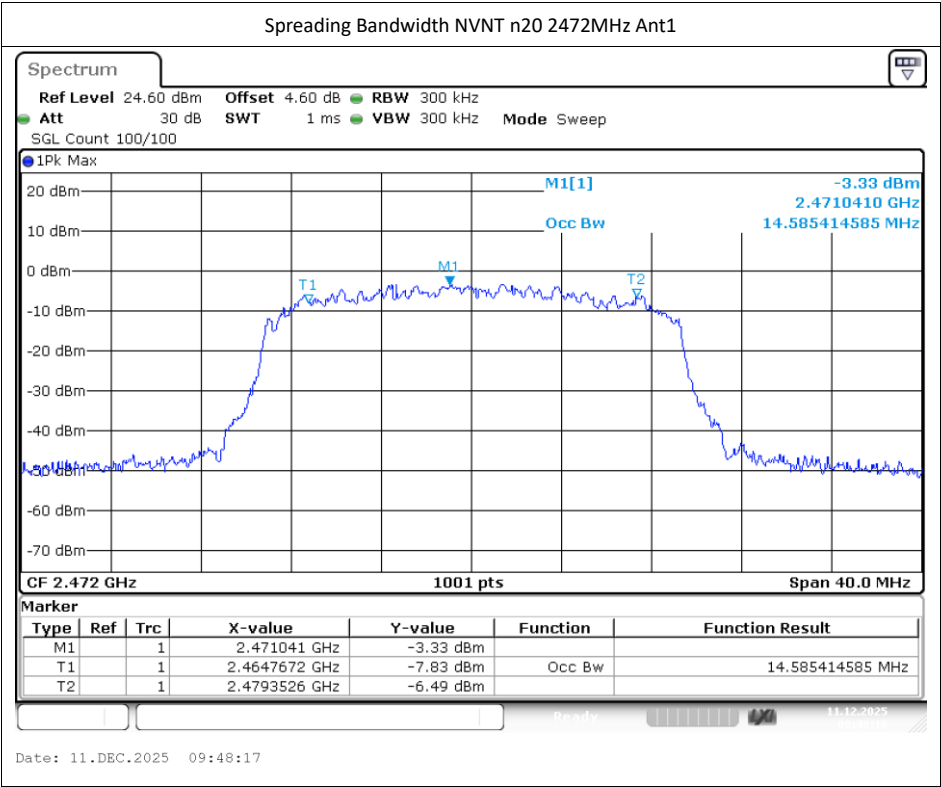


Spreading Bandwidth NVNT n20 2412MHz Ant1



Spreading Bandwidth NVNT n20 2442MHz Ant1



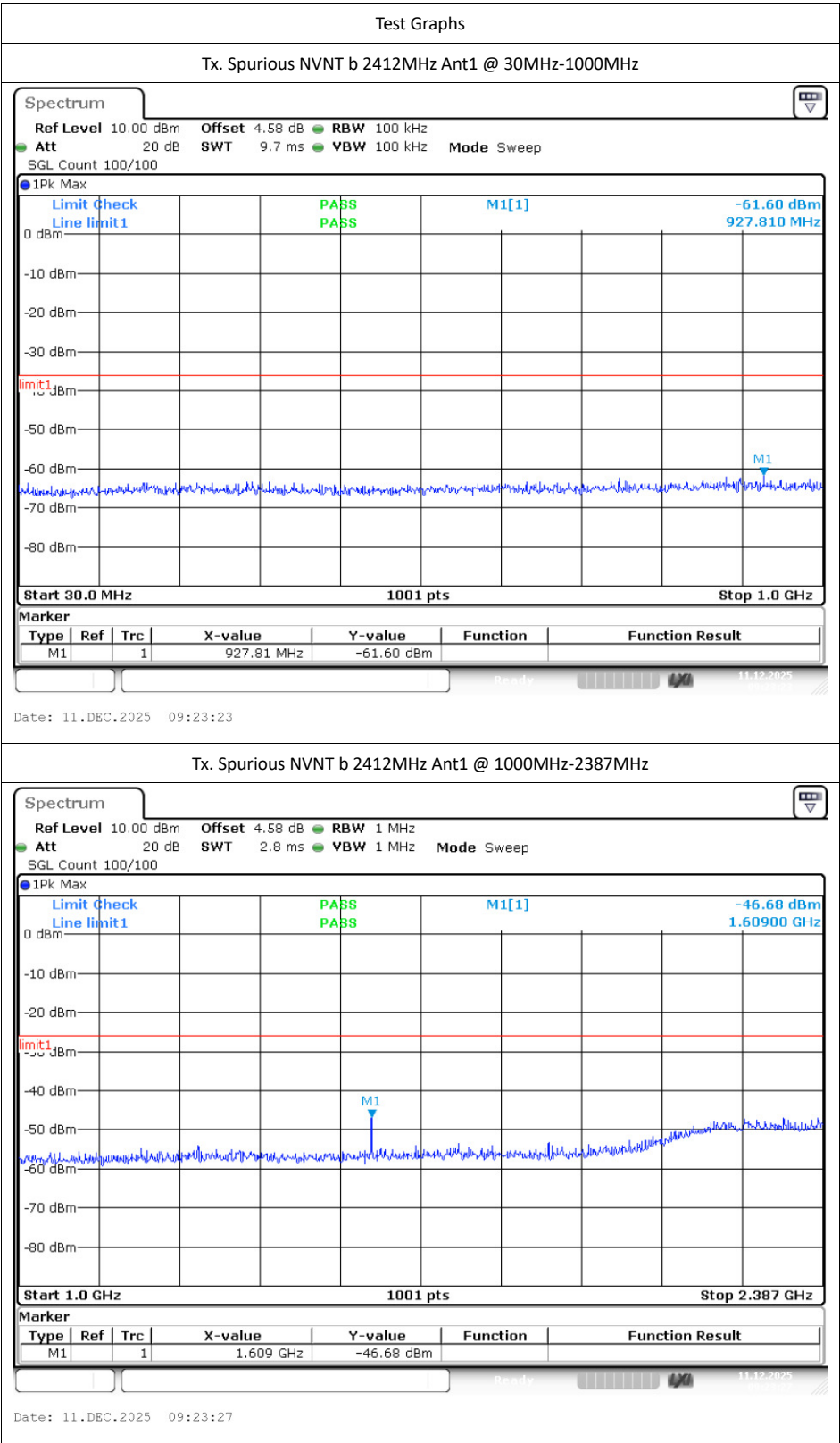


Tx Spurious Emission

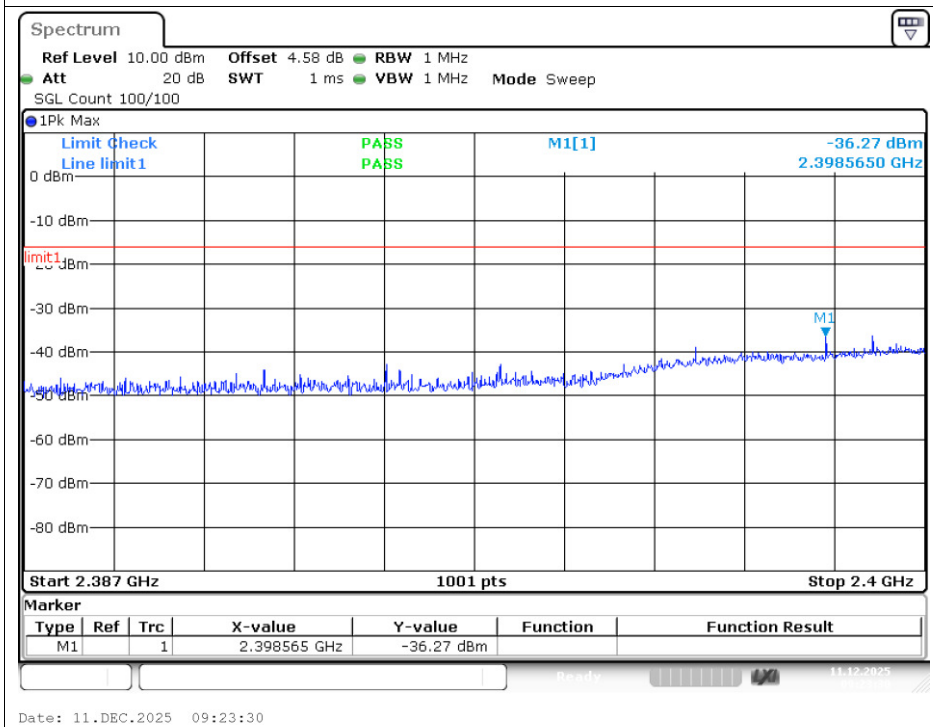
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/100kHz)	Max Value (μW /MHz)	Limit Start (μW /MHz)	Limit Stop (μW /MHz)	Verdict
NVNT	b	2412	Ant1	30-1000	927.81	-61.6	0.0069	2.5	2.5	Pass
NVNT	b	2442	Ant1	30-1000	819.28	-62.22	0.0060	2.5	2.5	Pass
NVNT	b	2472	Ant1	30-1000	899.71	-62.55	0.0056	2.5	2.5	Pass
NVNT	g	2412	Ant1	30-1000	972.38	-62.2	0.0060	2.5	2.5	Pass
NVNT	g	2442	Ant1	30-1000	805.71	-61.62	0.0069	2.5	2.5	Pass
NVNT	g	2472	Ant1	30-1000	895.83	-62.29	0.0059	2.5	2.5	Pass
NVNT	n20	2412	Ant1	30-1000	859.98	-62.01	0.0063	2.5	2.5	Pass
NVNT	n20	2442	Ant1	30-1000	864.82	-61.88	0.0065	2.5	2.5	Pass
NVNT	n20	2472	Ant1	30-1000	949.13	-62.64	0.0054	2.5	2.5	Pass

Tx Spurious Emission

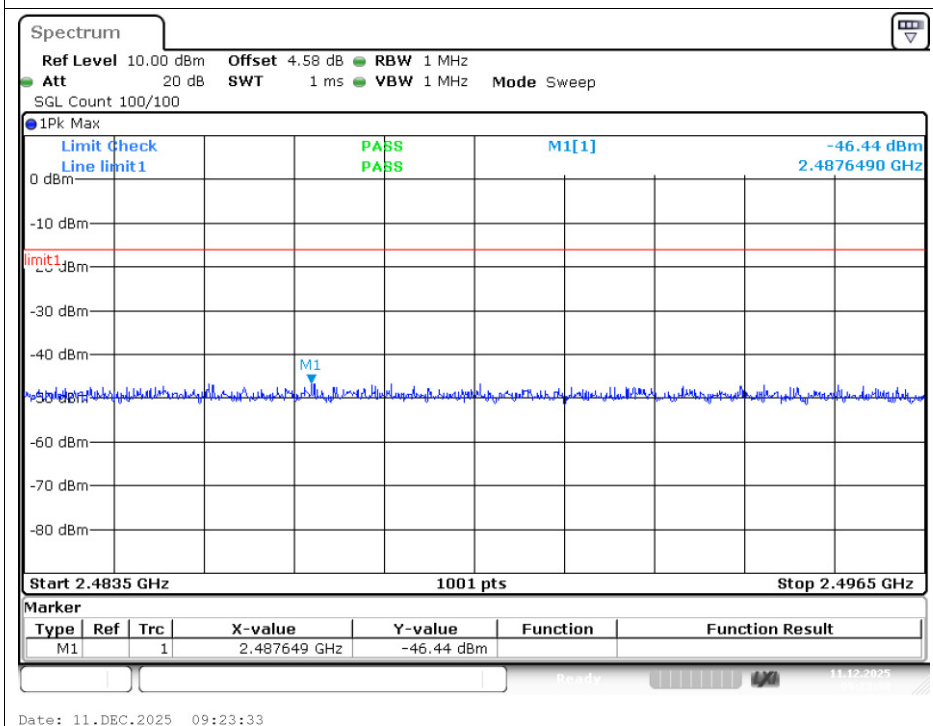
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Max Value (μW /MHz)	Limit Start (μW /MHz)	Limit Stop (μW /MHz)	Verdict
NVNT	b	2412	Ant1	1000-2387	1609	-46.68	0.0215	2.5	2.5	Pass
NVNT	b	2412	Ant1	2387-2400	2398.57	-36.27	0.2360	25	25	Pass
NVNT	b	2412	Ant1	2483.5-2496.5	2487.65	-46.44	0.0227	25	25	Pass
NVNT	b	2412	Ant1	2496.5-13000	6950.5	-46.83	0.0207	2.5	2.5	Pass
NVNT	b	2442	Ant1	1000-2387	2364.1	-46.44	0.0227	2.5	2.5	Pass
NVNT	b	2442	Ant1	2387-2400	2394.46	-46.38	0.0230	25	25	Pass
NVNT	b	2442	Ant1	2483.5-2496.5	2484.08	-46.38	0.0230	25	25	Pass
NVNT	b	2442	Ant1	2496.5-13000	2564.5	-46.78	0.0210	2.5	2.5	Pass
NVNT	b	2472	Ant1	1000-2387	1647.8	-46.07	0.0247	2.5	2.5	Pass
NVNT	b	2472	Ant1	2387-2400	2389.76	-44.98	0.0318	25	25	Pass
NVNT	b	2472	Ant1	2483.5-2496.5	2483.87	-31.74	0.6699	25	25	Pass
NVNT	b	2472	Ant1	2496.5-13000	2564.5	-47.15	0.0193	2.5	2.5	Pass
NVNT	g	2412	Ant1	1000-2387	1607.6	-46.34	0.0232	2.5	2.5	Pass
NVNT	g	2412	Ant1	2387-2400	2399.76	-39.22	0.1197	25	25	Pass
NVNT	g	2412	Ant1	2483.5-2496.5	2483.65	-45.71	0.0269	25	25	Pass
NVNT	g	2412	Ant1	2496.5-13000	2554.5	-45.88	0.0258	2.5	2.5	Pass
NVNT	g	2442	Ant1	1000-2387	2348.9	-45.48	0.0283	2.5	2.5	Pass
NVNT	g	2442	Ant1	2387-2400	2387.86	-45.82	0.0262	25	25	Pass
NVNT	g	2442	Ant1	2483.5-2496.5	2494.21	-46.72	0.0213	25	25	Pass
NVNT	g	2442	Ant1	2496.5-13000	2522.5	-47.41	0.0182	2.5	2.5	Pass
NVNT	g	2472	Ant1	1000-2387	1647.8	-45.63	0.0274	2.5	2.5	Pass
NVNT	g	2472	Ant1	2387-2400	2399.81	-45.26	0.0298	25	25	Pass
NVNT	g	2472	Ant1	2483.5-2496.5	2484.26	-39.78	0.1052	25	25	Pass
NVNT	g	2472	Ant1	2496.5-13000	2501.5	-46.78	0.0210	2.5	2.5	Pass
NVNT	n20	2412	Ant1	1000-2387	1609	-46.48	0.0225	2.5	2.5	Pass
NVNT	n20	2412	Ant1	2387-2400	2399.92	-40.48	0.0895	25	25	Pass
NVNT	n20	2412	Ant1	2483.5-2496.5	2486	-46.03	0.0249	25	25	Pass
NVNT	n20	2412	Ant1	2496.5-13000	2543.5	-46.94	0.0202	2.5	2.5	Pass
NVNT	n20	2442	Ant1	1000-2387	2279.6	-46.01	0.0251	2.5	2.5	Pass
NVNT	n20	2442	Ant1	2387-2400	2399.29	-45.85	0.0260	25	25	Pass
NVNT	n20	2442	Ant1	2483.5-2496.5	2490.21	-46.9	0.0204	25	25	Pass
NVNT	n20	2442	Ant1	2496.5-13000	2501.5	-47.23	0.0189	2.5	2.5	Pass
NVNT	n20	2472	Ant1	1000-2387	1649.2	-44.61	0.0346	2.5	2.5	Pass
NVNT	n20	2472	Ant1	2387-2400	2391.16	-45.14	0.0306	25	25	Pass
NVNT	n20	2472	Ant1	2483.5-2496.5	2483.67	-37.33	0.1849	25	25	Pass
NVNT	n20	2472	Ant1	2496.5-13000	2501.5	-46.78	0.0210	2.5	2.5	Pass



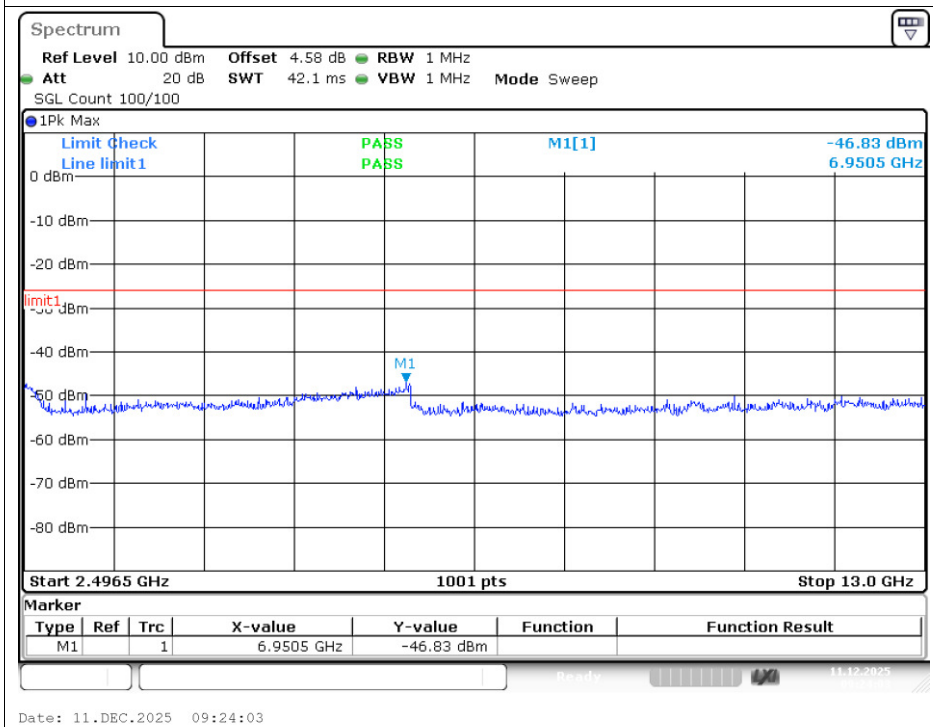
Tx. Spurious NVNT b 2412MHz Ant1 @ 2387MHz-2400MHz



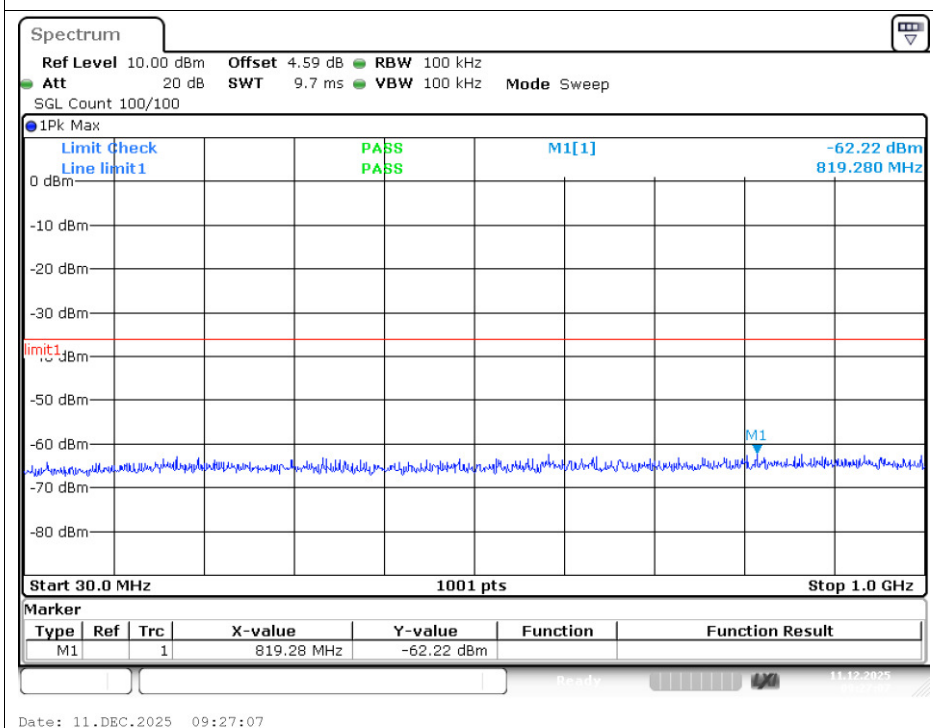
Tx. Spurious NVNT b 2412MHz Ant1 @ 2483.5MHz-2496.5MHz



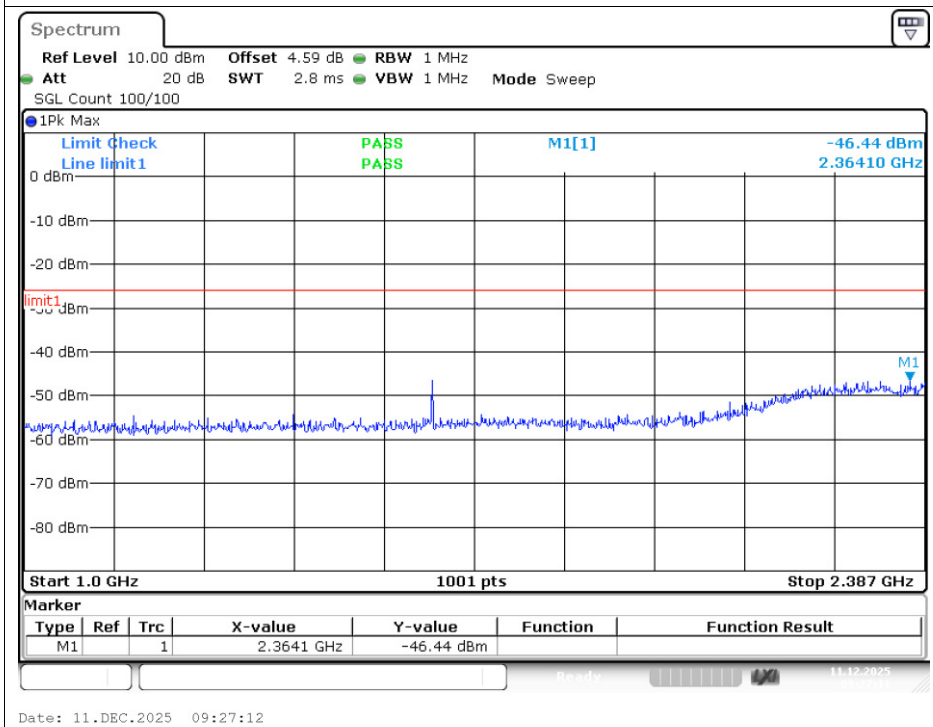
Tx. Spurious NVNT b 2412MHz Ant1 @ 2496.5MHz-13000MHz



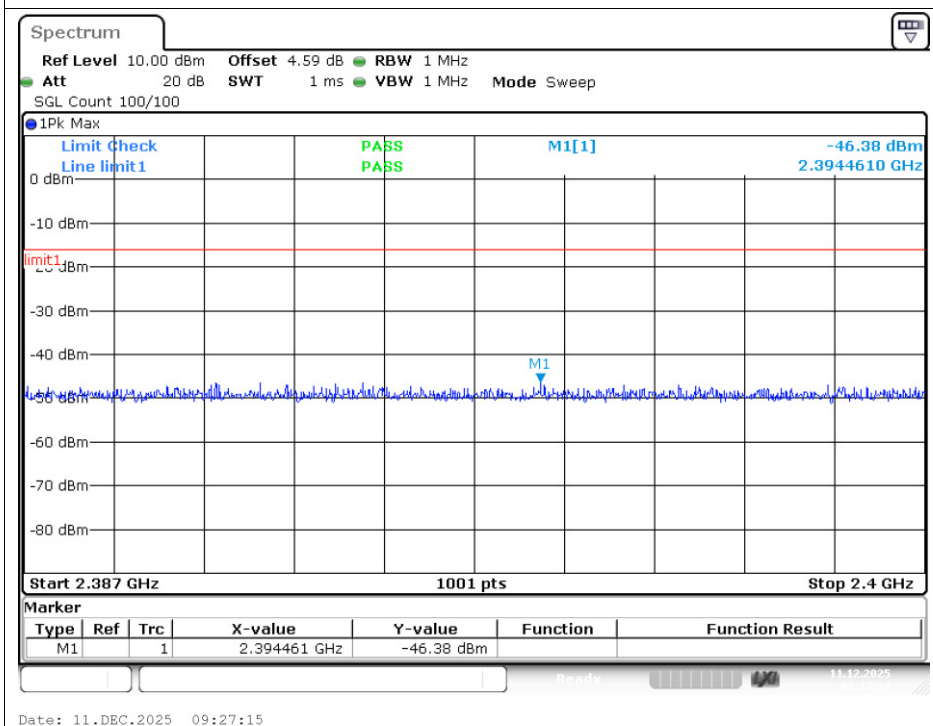
Tx. Spurious NVNT b 2442MHz Ant1 @ 30MHz-1000MHz



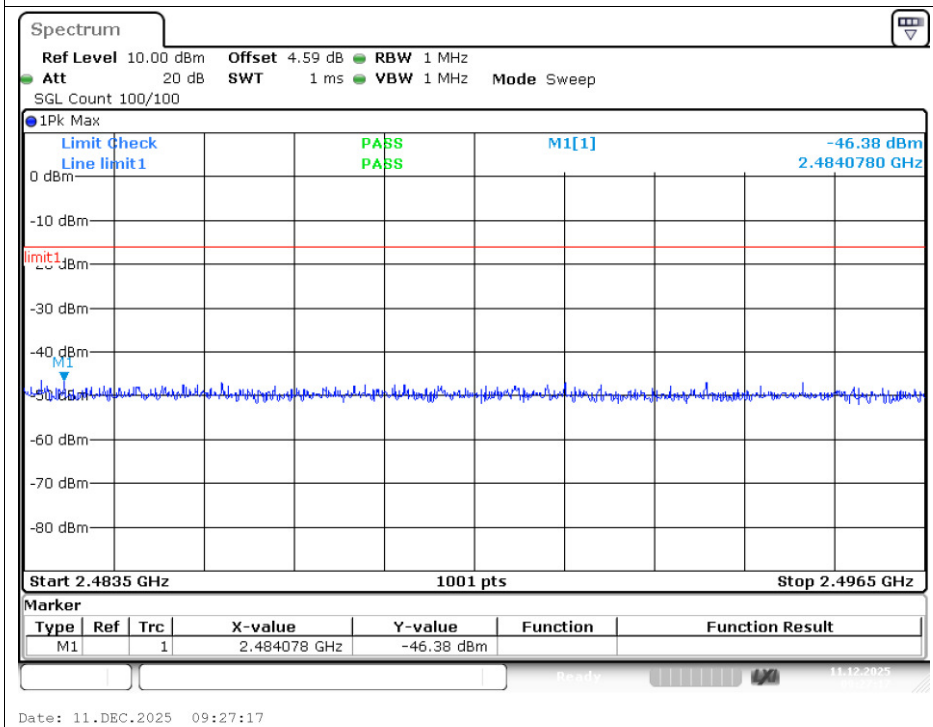
Tx. Spurious NVNT b 2442MHz Ant1 @ 1000MHz-2387MHz



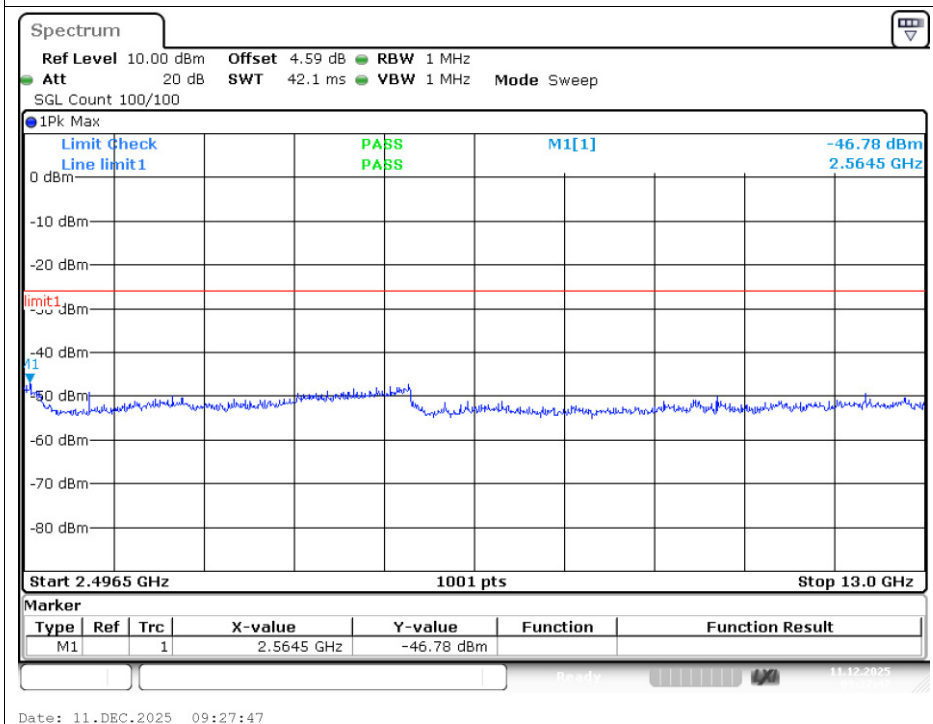
Tx. Spurious NVNT b 2442MHz Ant1 @ 2387MHz-2400MHz



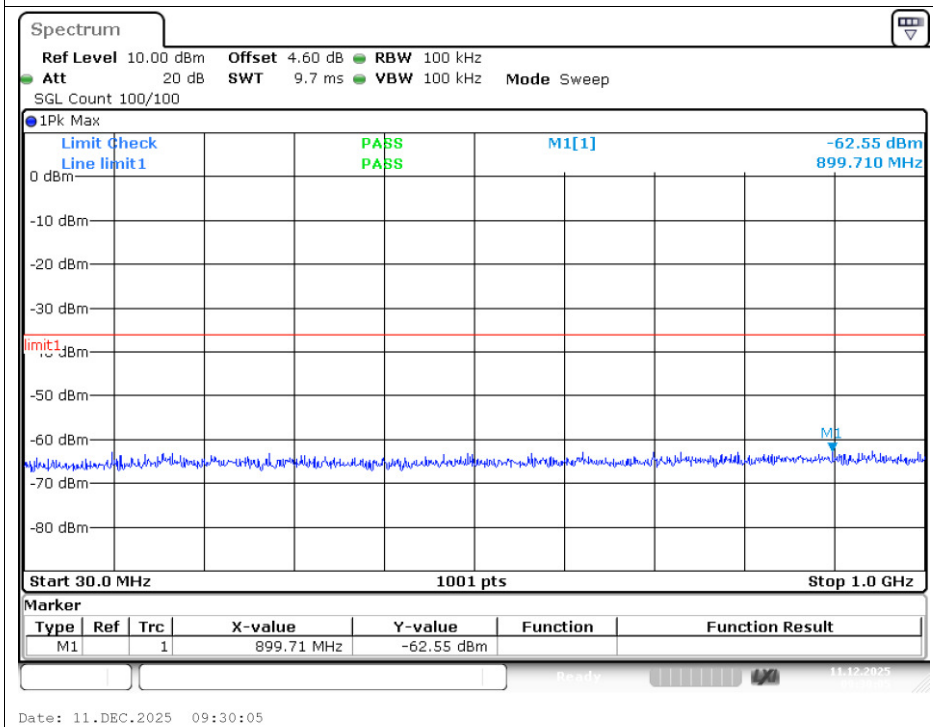
Tx. Spurious NVNT b 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



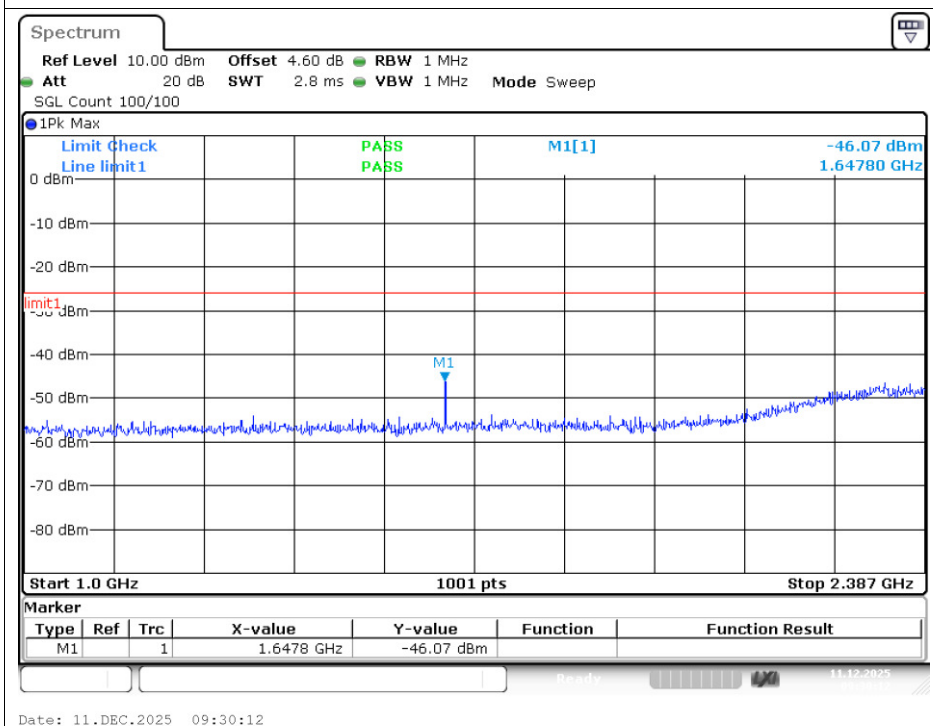
Tx. Spurious NVNT b 2442MHz Ant1 @ 2496.5MHz-13000MHz



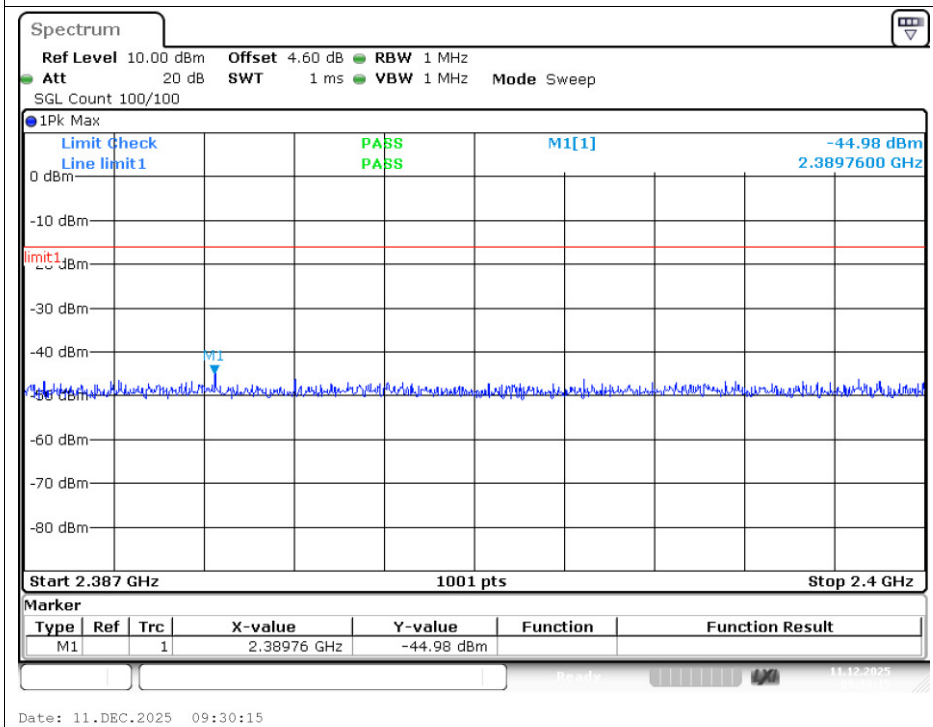
Tx. Spurious NVNT b 2472MHz Ant1 @ 30MHz-1000MHz



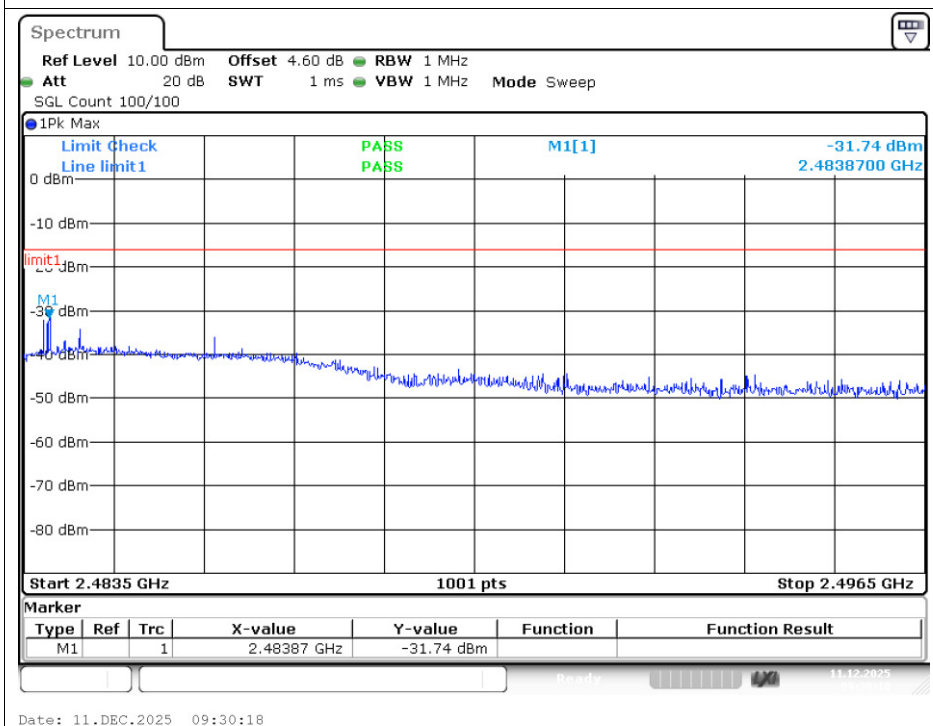
Tx. Spurious NVNT b 2472MHz Ant1 @ 1000MHz-2387MHz



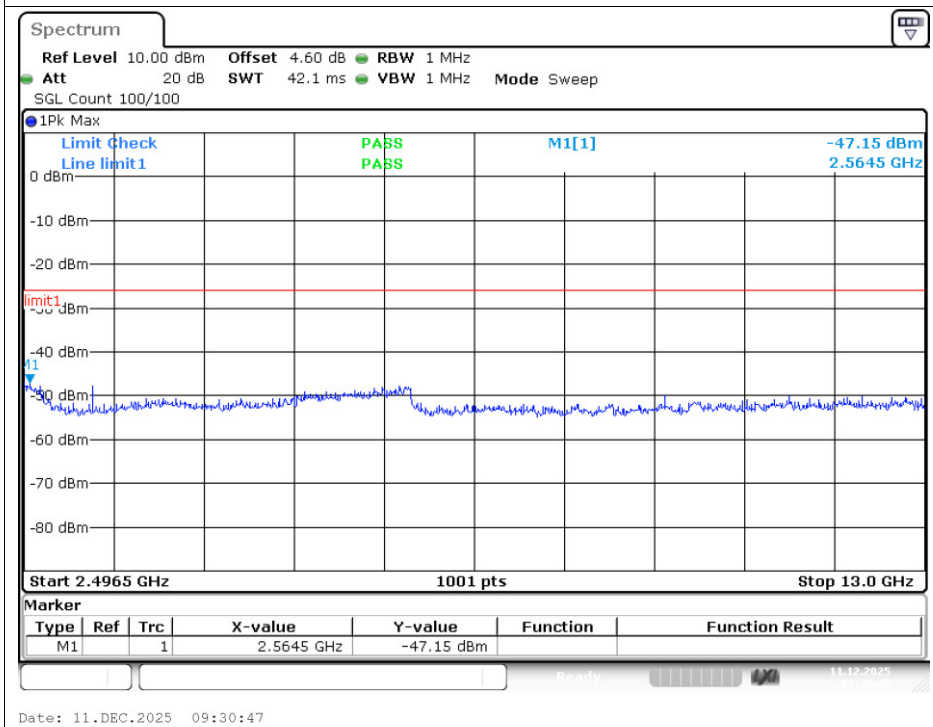
Tx. Spurious NVNT b 2472MHz Ant1 @ 2387MHz-2400MHz



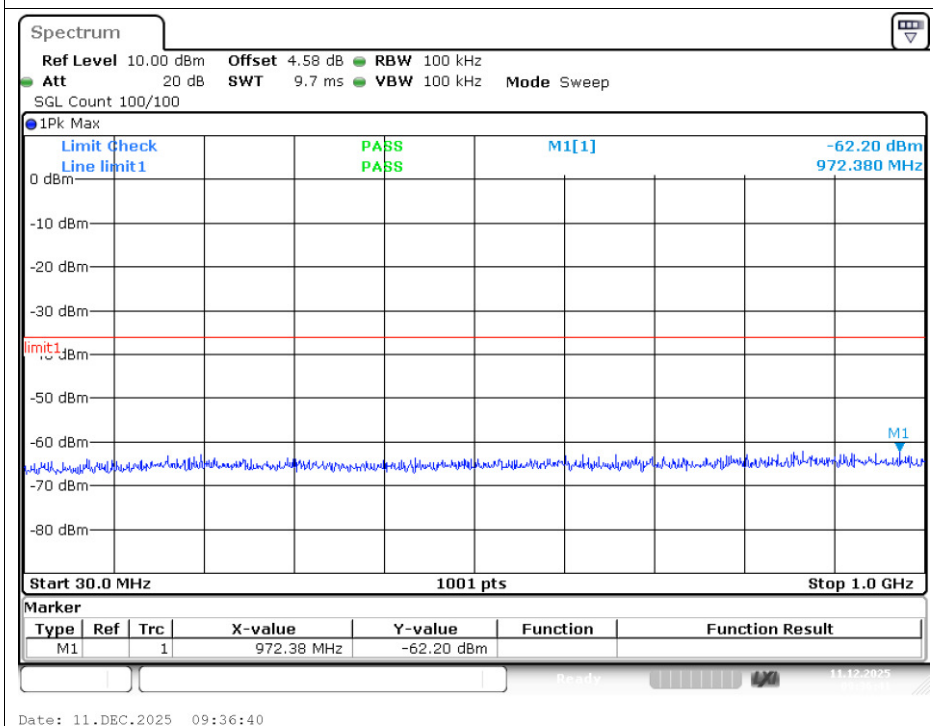
Tx. Spurious NVNT b 2472MHz Ant1 @ 2483.5MHz-2496.5MHz



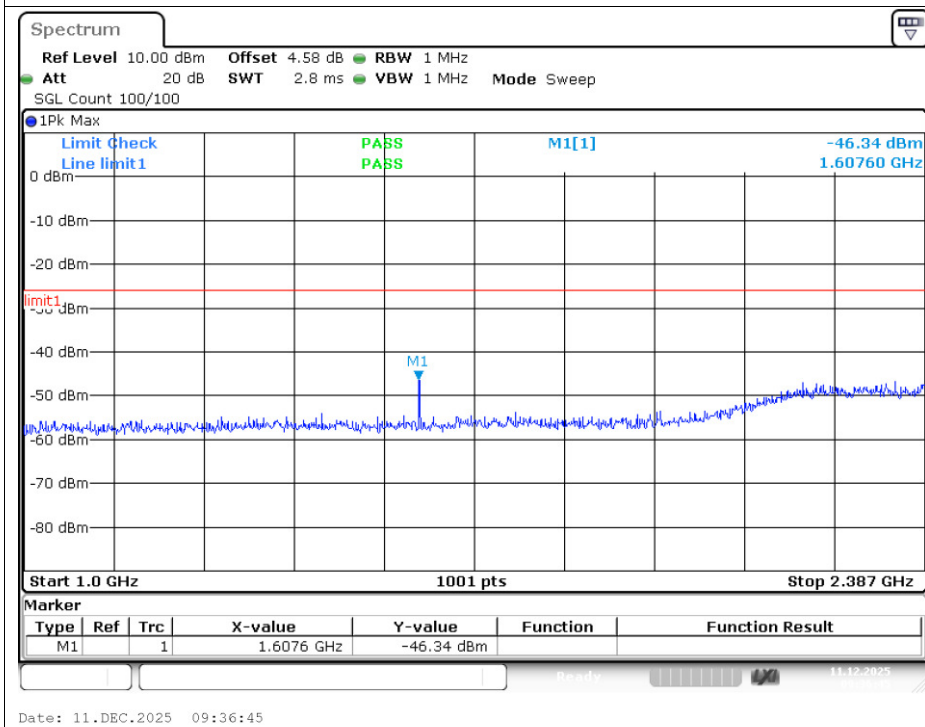
Tx. Spurious NVNT b 2472MHz Ant1 @ 2496.5MHz-13000MHz



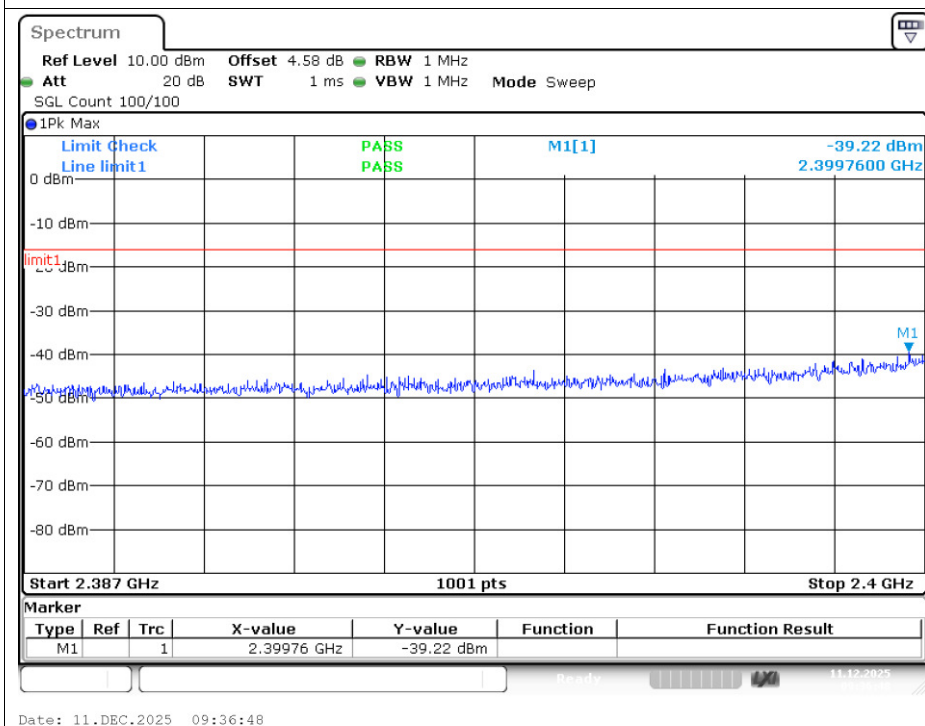
Tx. Spurious NVNT g 2412MHz Ant1 @ 30MHz-1000MHz



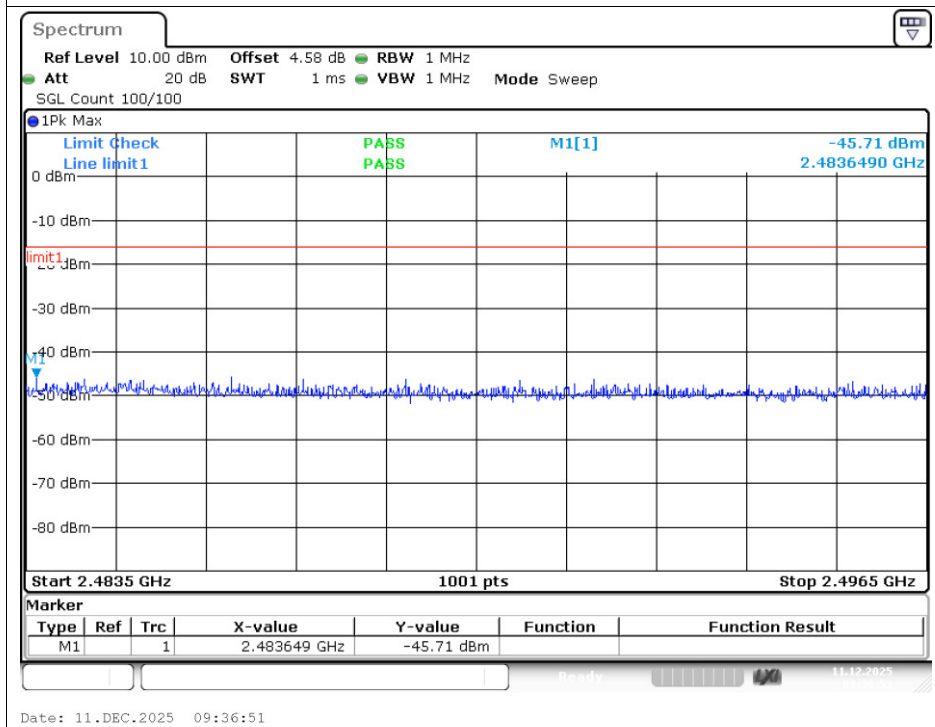
Tx. Spurious NVNT g 2412MHz Ant1 @ 1000MHz-2387MHz



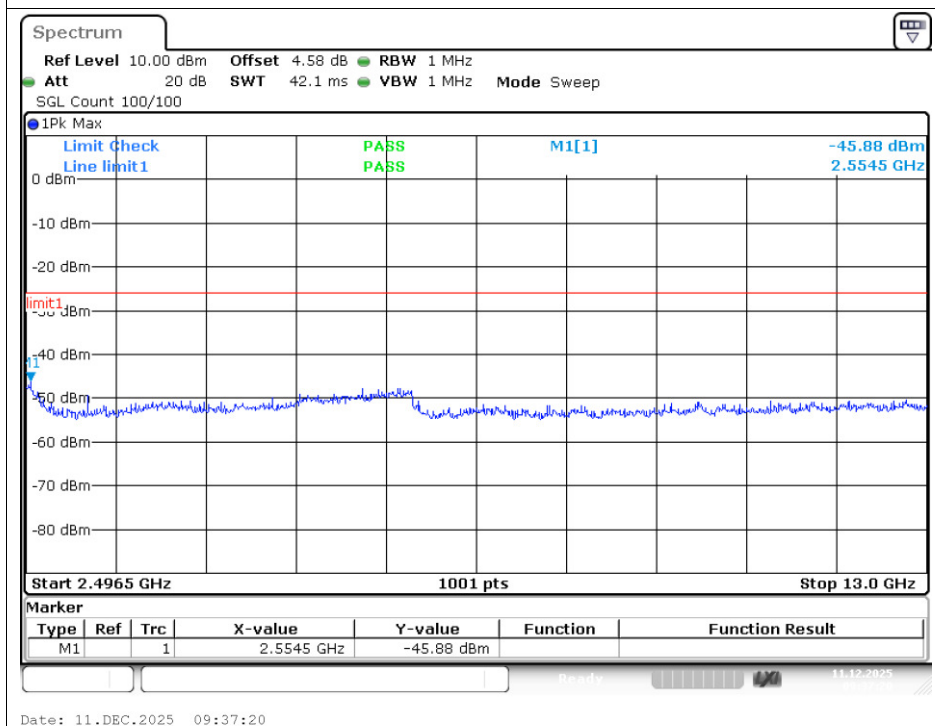
Tx. Spurious NVNT g 2412MHz Ant1 @ 2387MHz-2400MHz

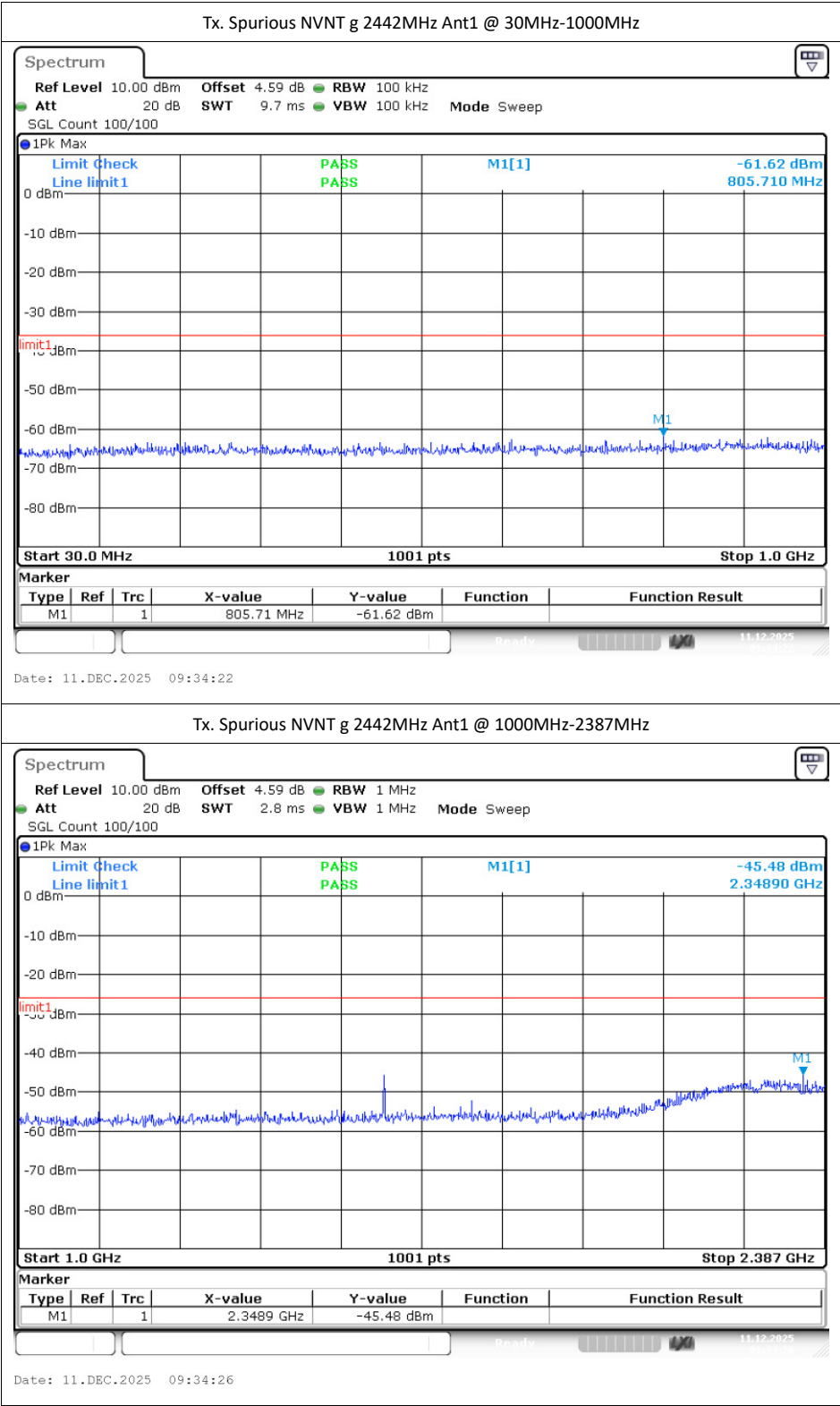


Tx. Spurious NVNT g 2412MHz Ant1 @ 2483.5MHz-2496.5MHz

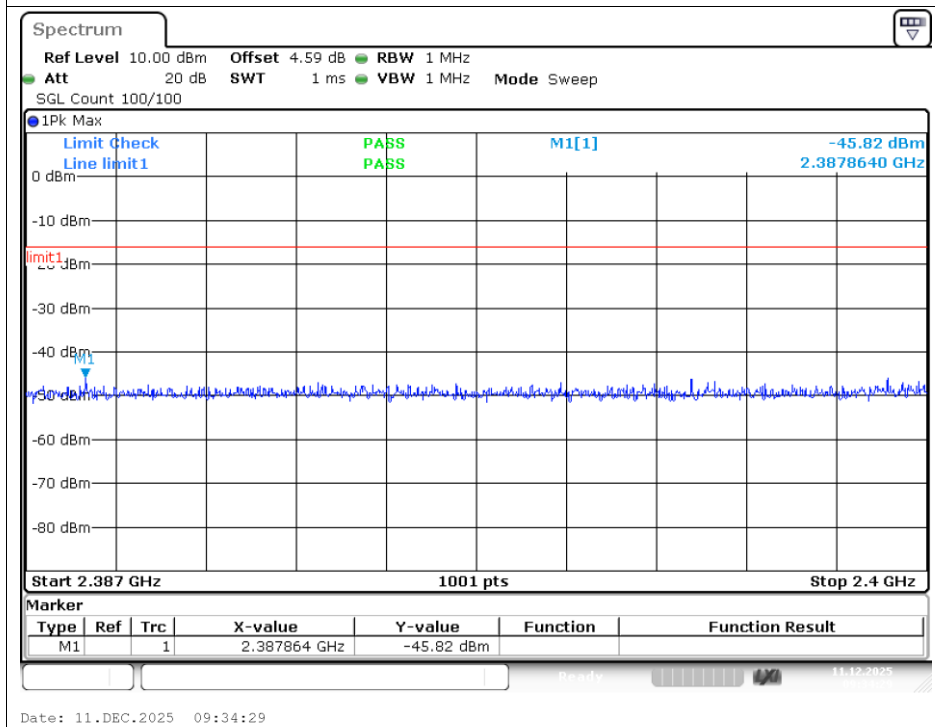


Tx. Spurious NVNT g 2412MHz Ant1 @ 2496.5MHz-13000MHz

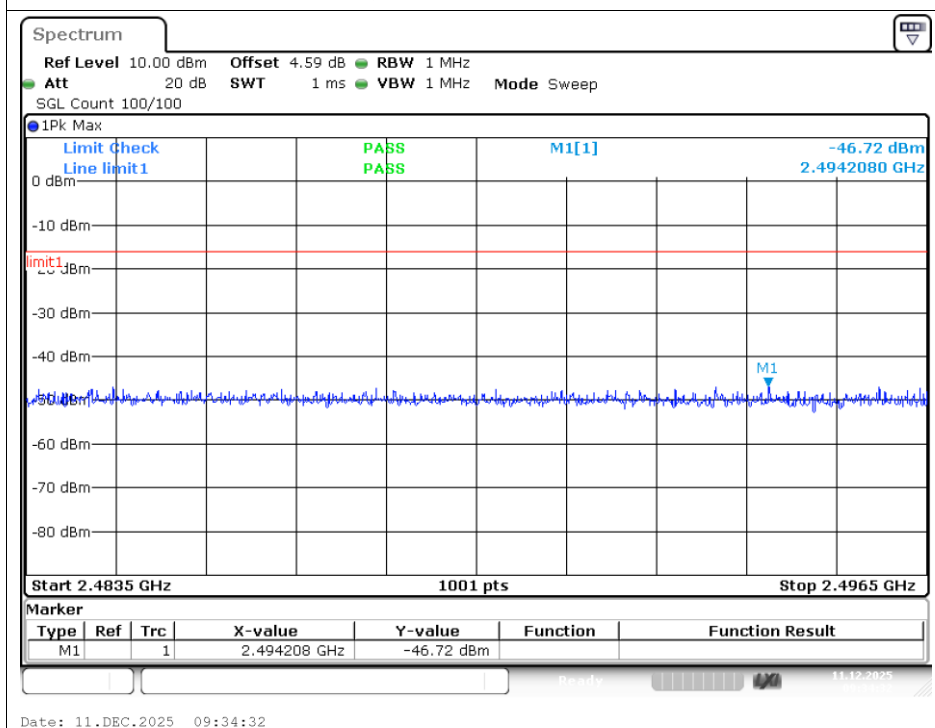




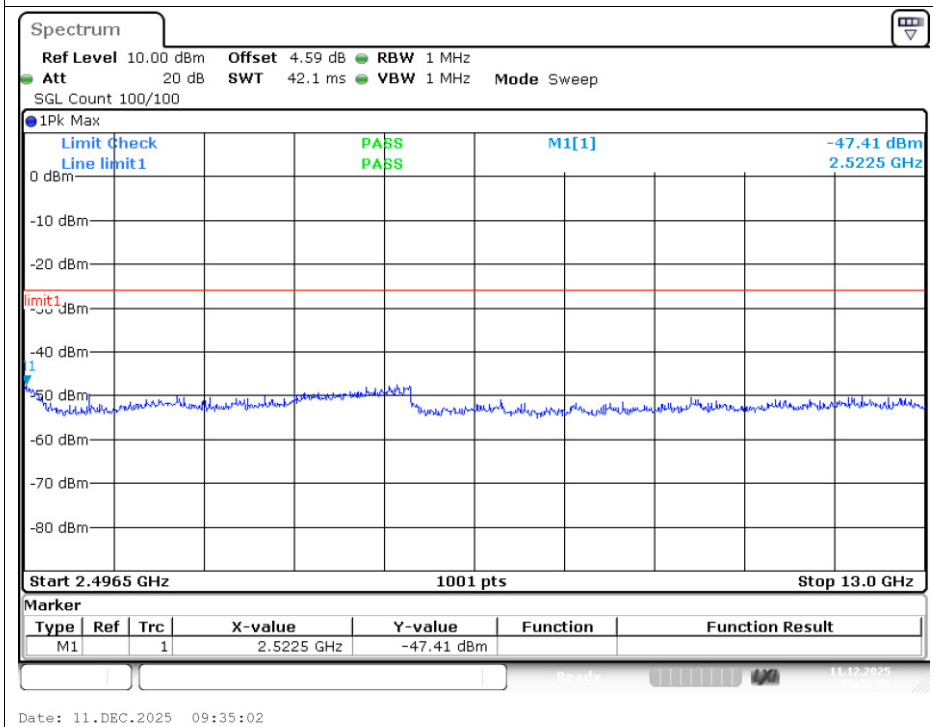
Tx. Spurious NVNT g 2442MHz Ant1 @ 2387MHz-2400MHz



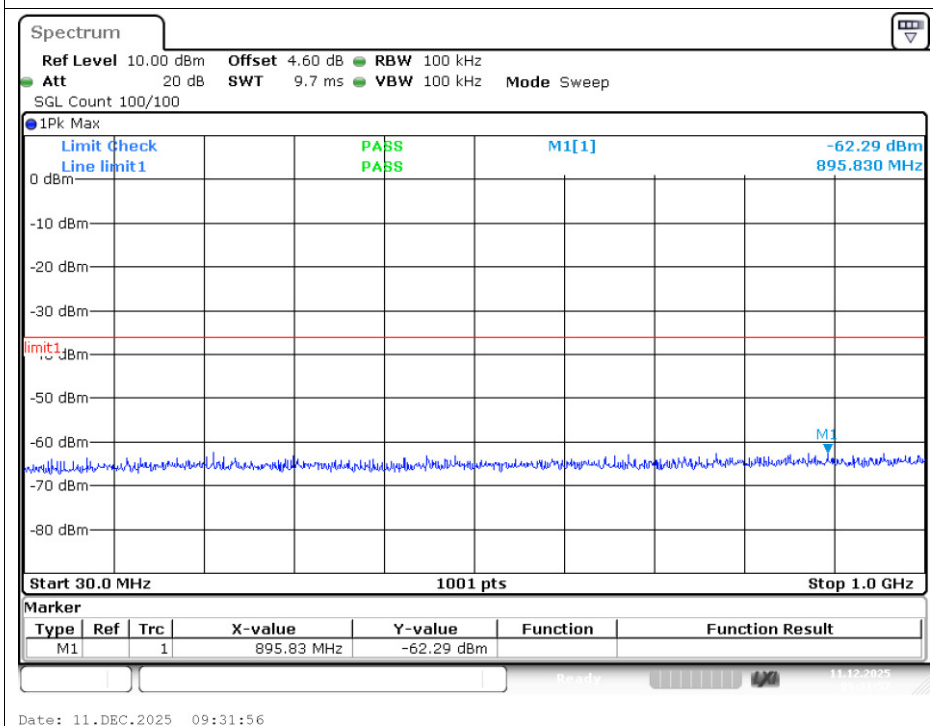
Tx. Spurious NVNT g 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



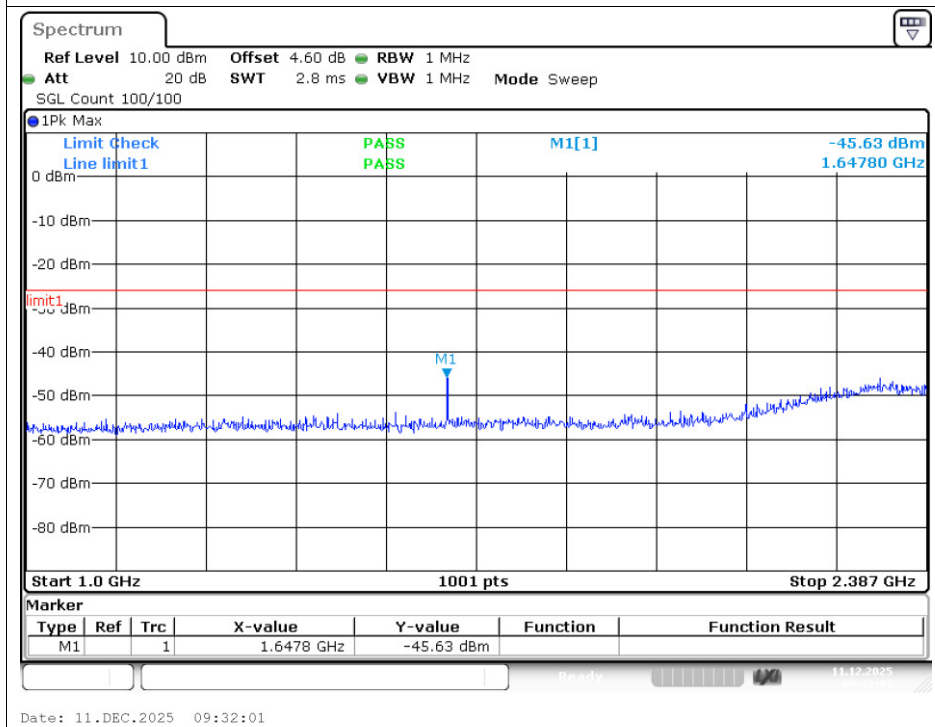
Tx. Spurious NVNT g 2442MHz Ant1 @ 2496.5MHz-13000MHz



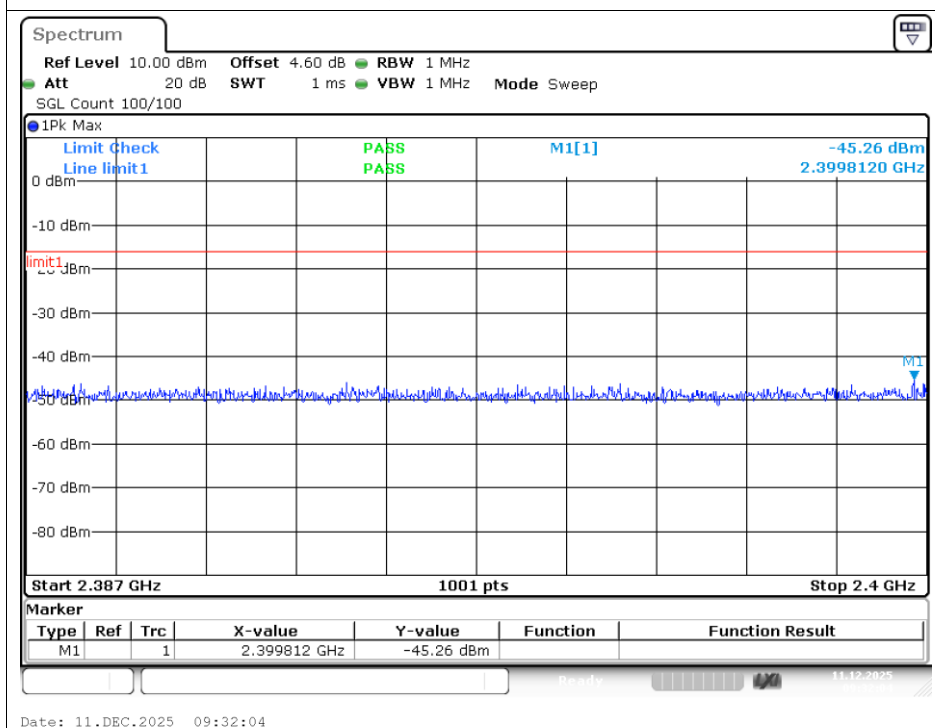
Tx. Spurious NVNT g 2472MHz Ant1 @ 30MHz-1000MHz



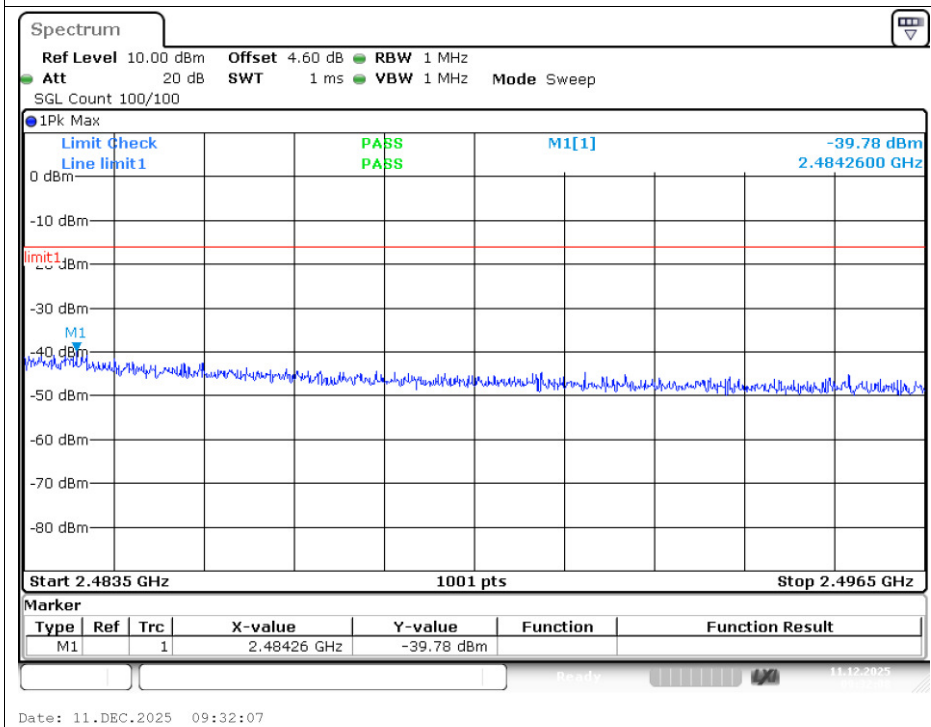
Tx. Spurious NVNT g 2472MHz Ant1 @ 1000MHz-2387MHz



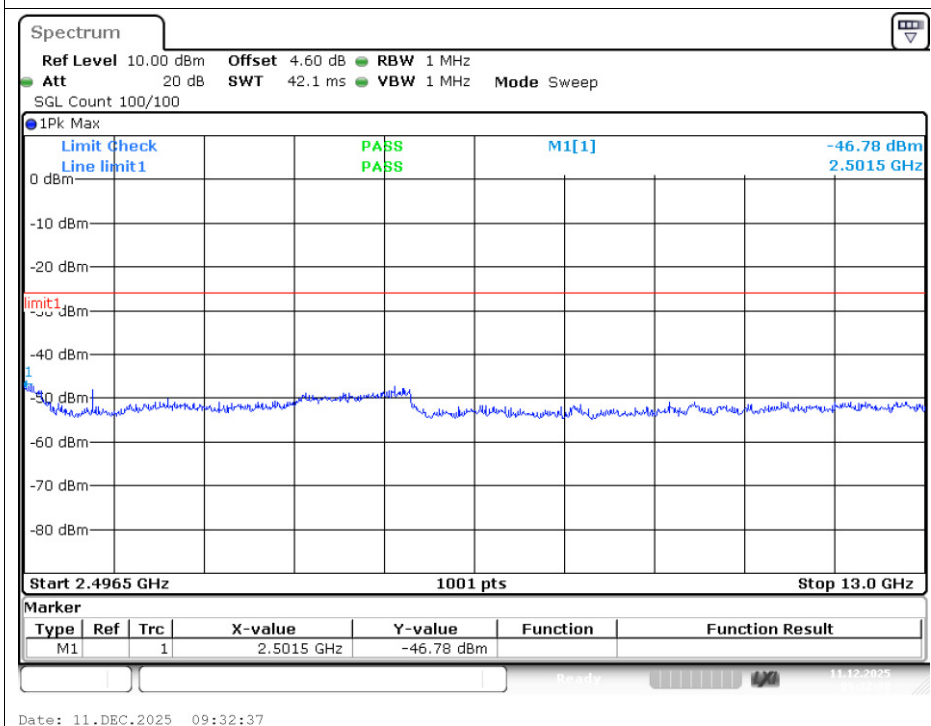
Tx. Spurious NVNT g 2472MHz Ant1 @ 2387MHz-2400MHz



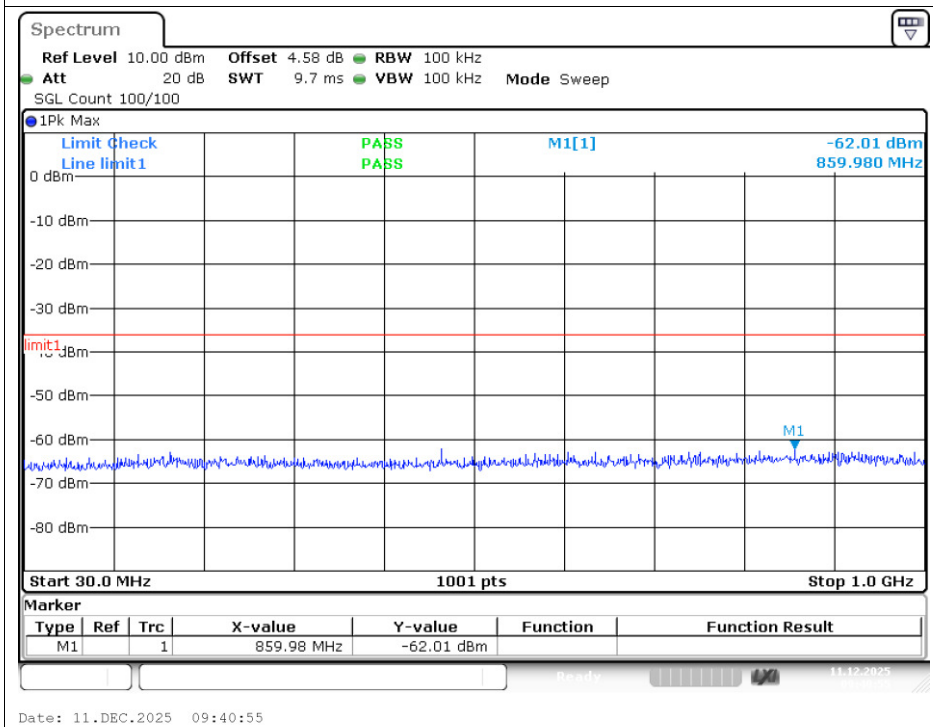
Tx. Spurious NVNT g 2472MHz Ant1 @ 2483.5MHz-2496.5MHz



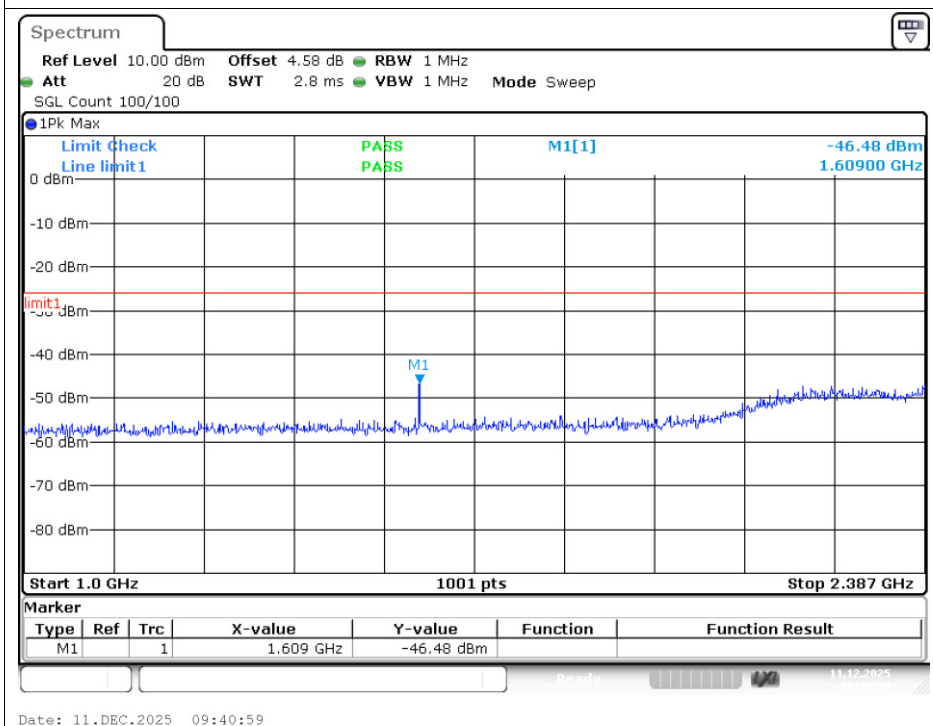
Tx. Spurious NVNT g 2472MHz Ant1 @ 2496.5MHz-13000MHz



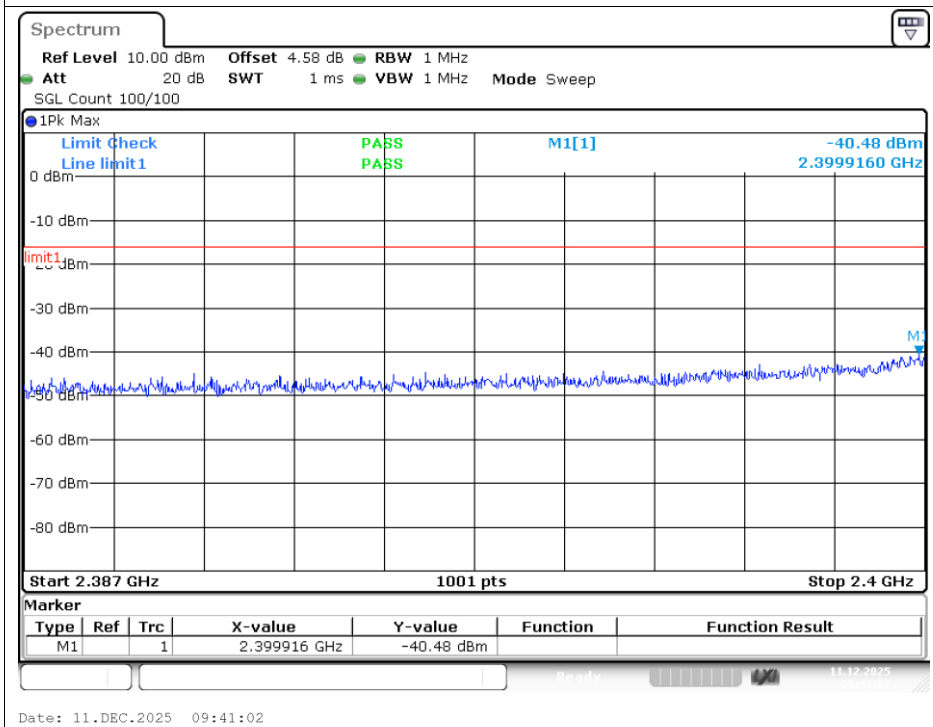
Tx. Spurious NVNT n20 2412MHz Ant1 @ 30MHz-1000MHz



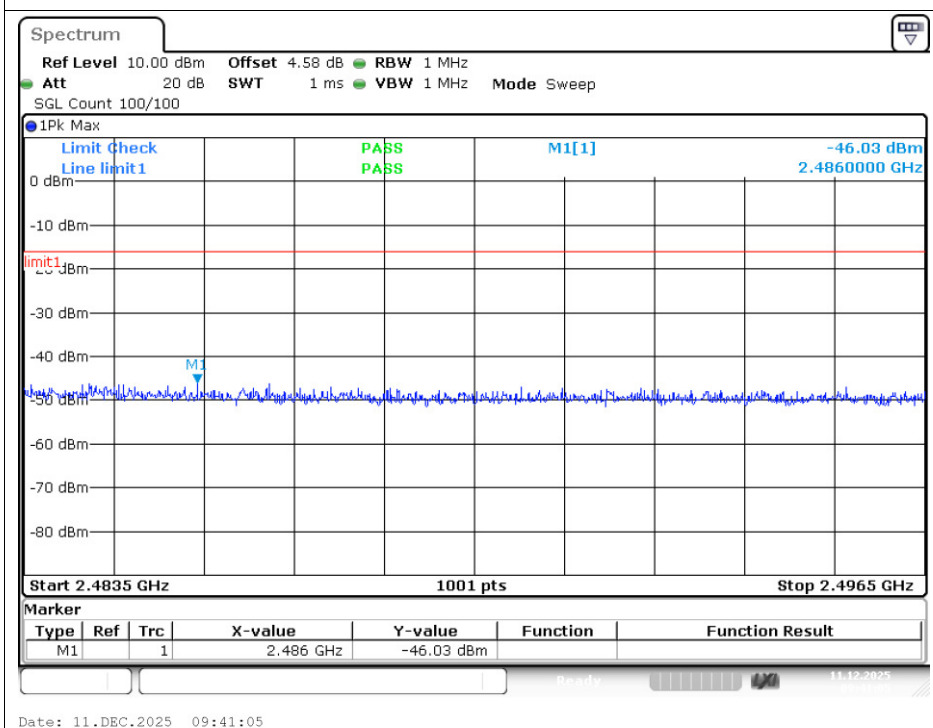
Tx. Spurious NVNT n20 2412MHz Ant1 @ 1000MHz-2387MHz



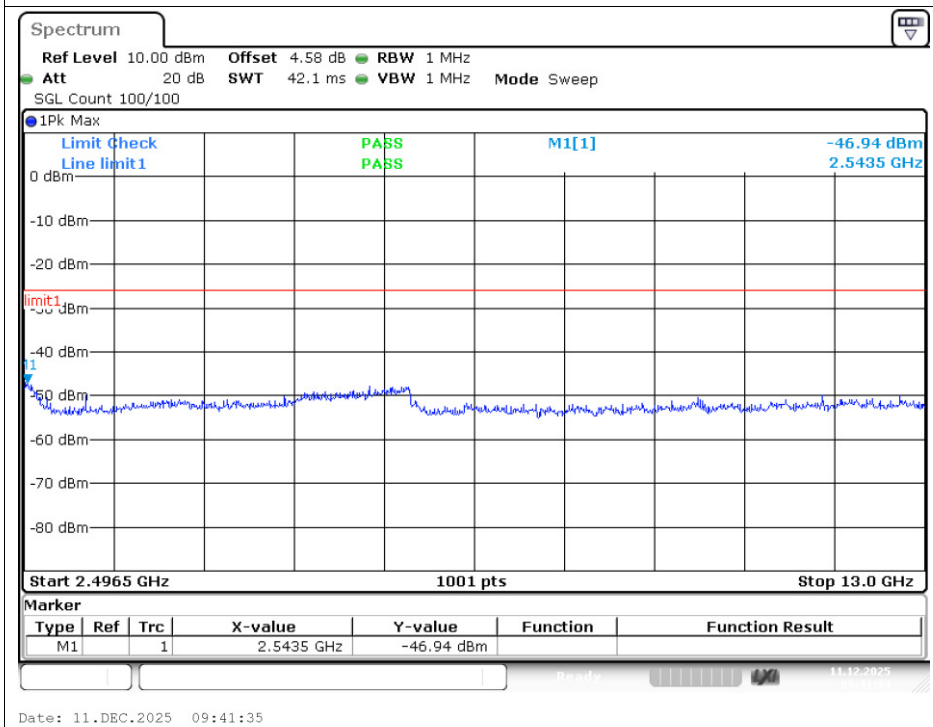
Tx. Spurious NVNT n20 2412MHz Ant1 @ 2387MHz-2400MHz



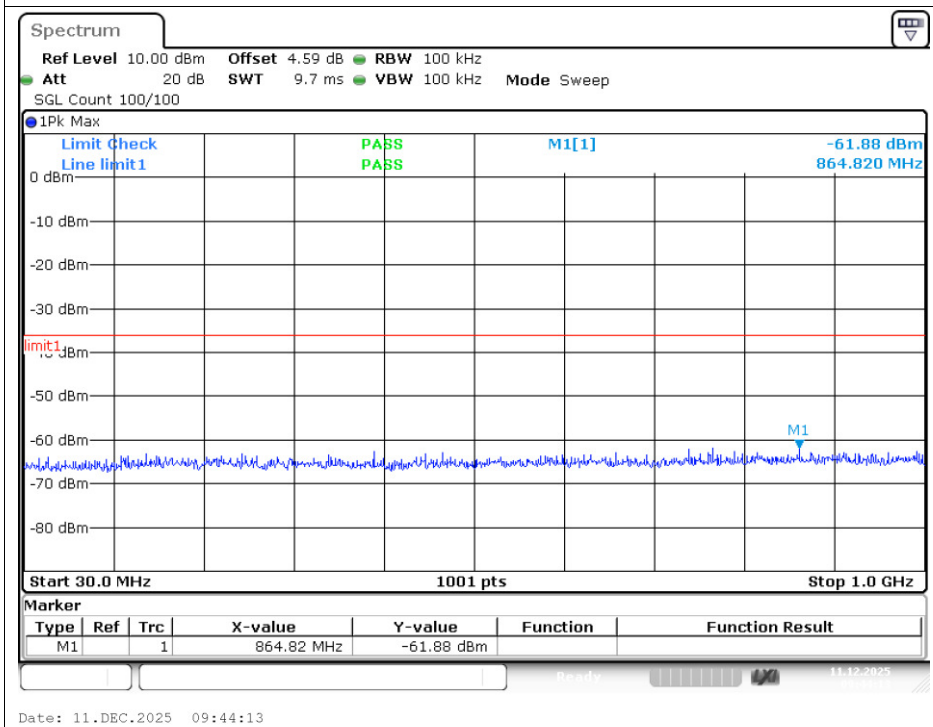
Tx. Spurious NVNT n20 2412MHz Ant1 @ 2483.5MHz-2496.5MHz



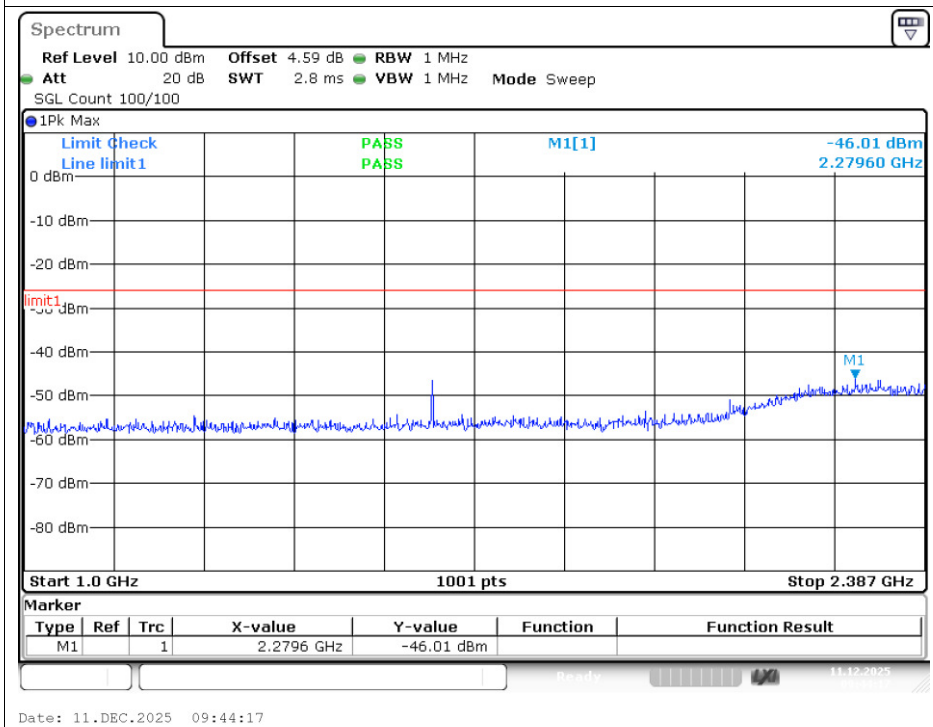
Tx. Spurious NVNT n20 2412MHz Ant1 @ 2496.5MHz-13000MHz



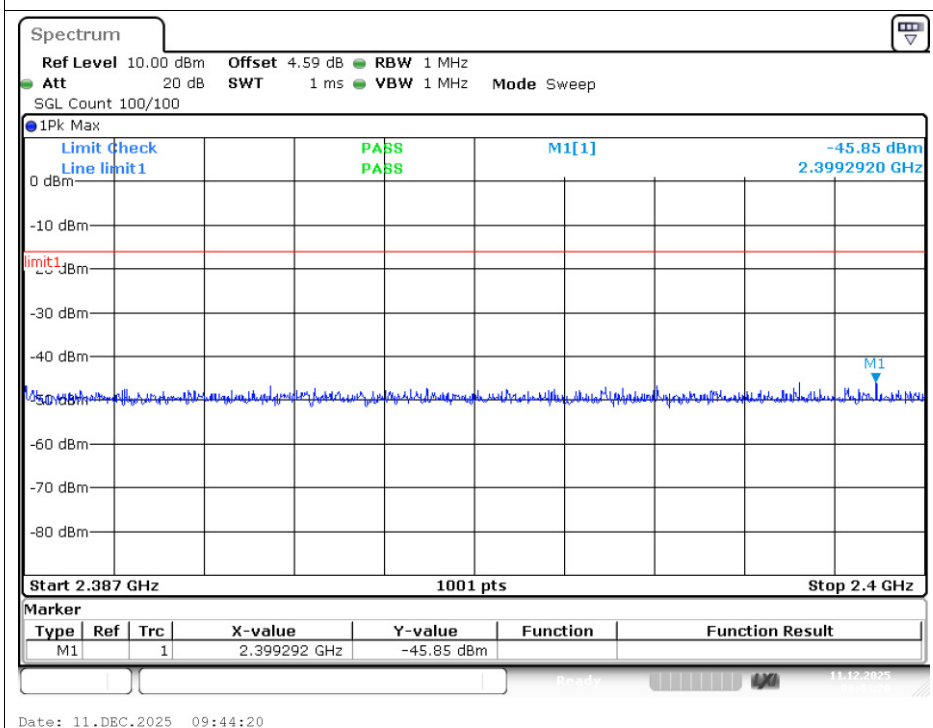
Tx. Spurious NVNT n20 2442MHz Ant1 @ 30MHz-1000MHz



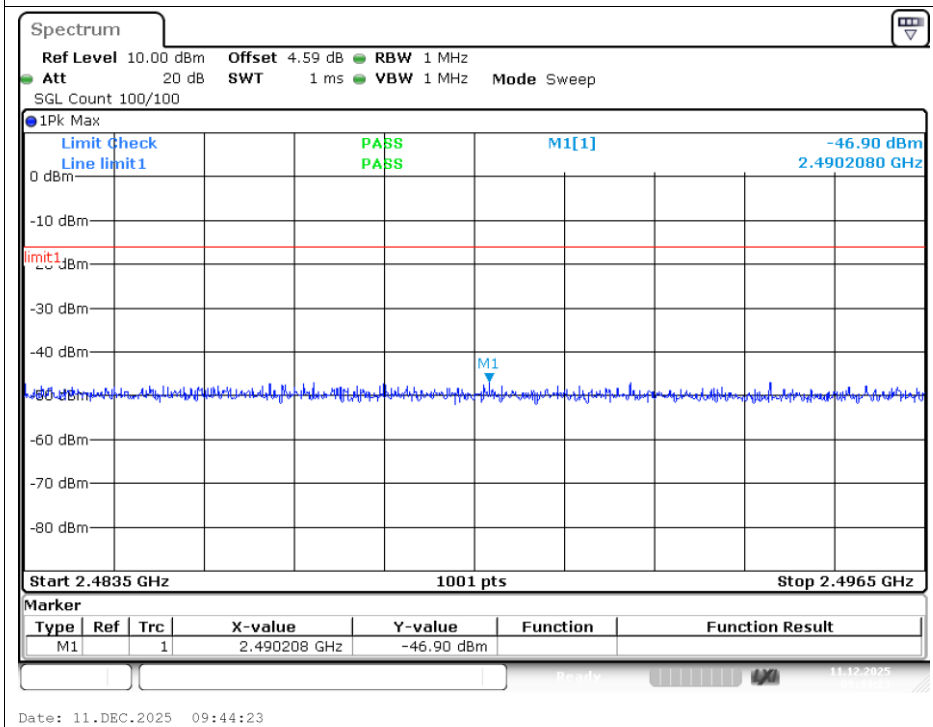
Tx. Spurious NVNT n20 2442MHz Ant1 @ 1000MHz-2387MHz



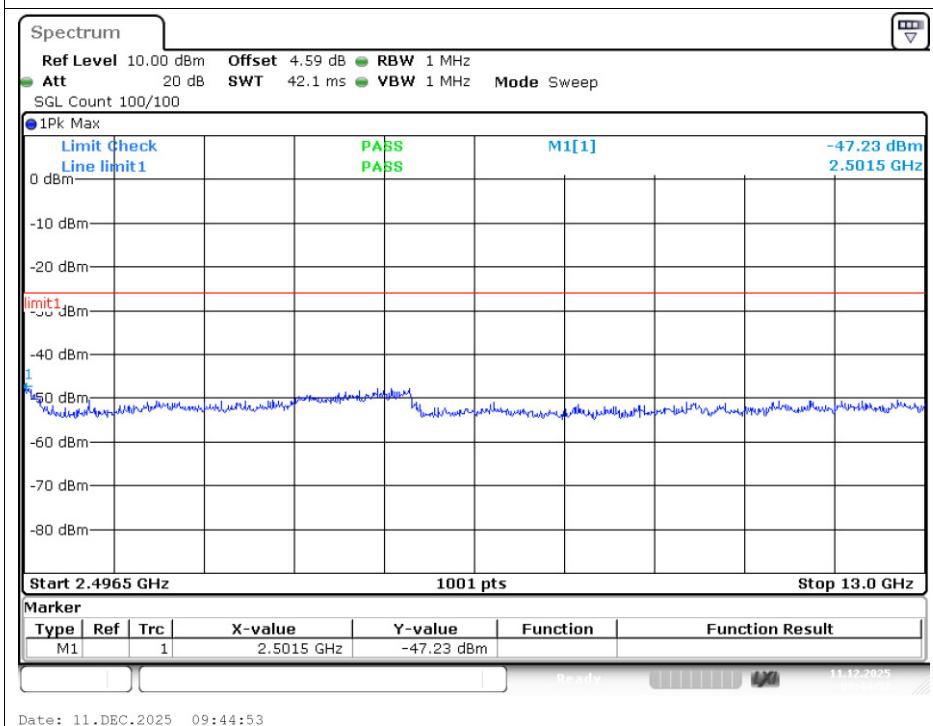
Tx. Spurious NVNT n20 2442MHz Ant1 @ 2387MHz-2400MHz



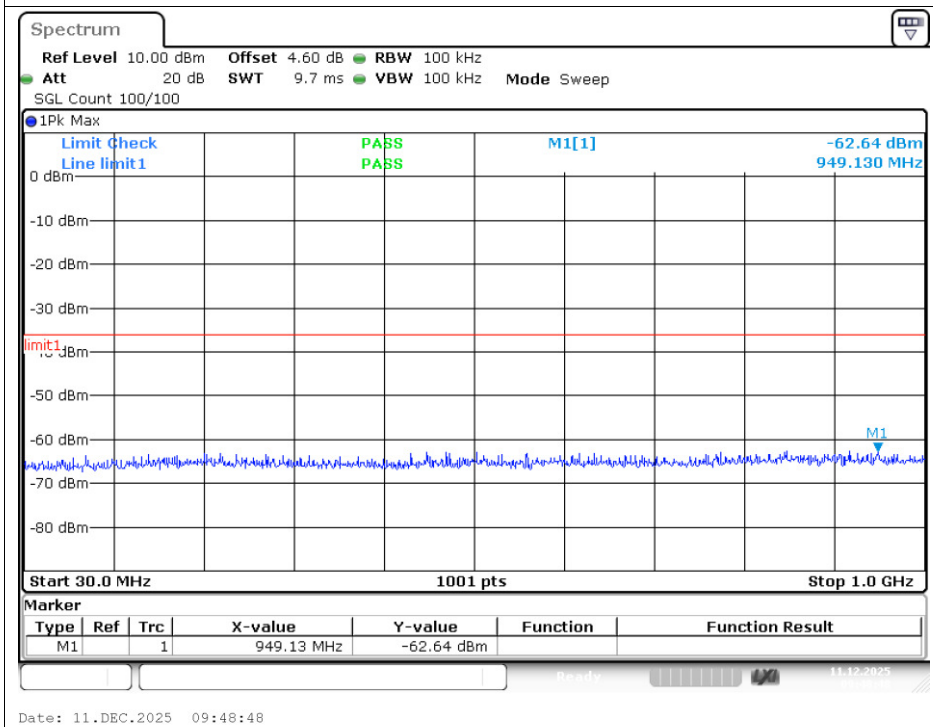
Tx. Spurious NVNT n20 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



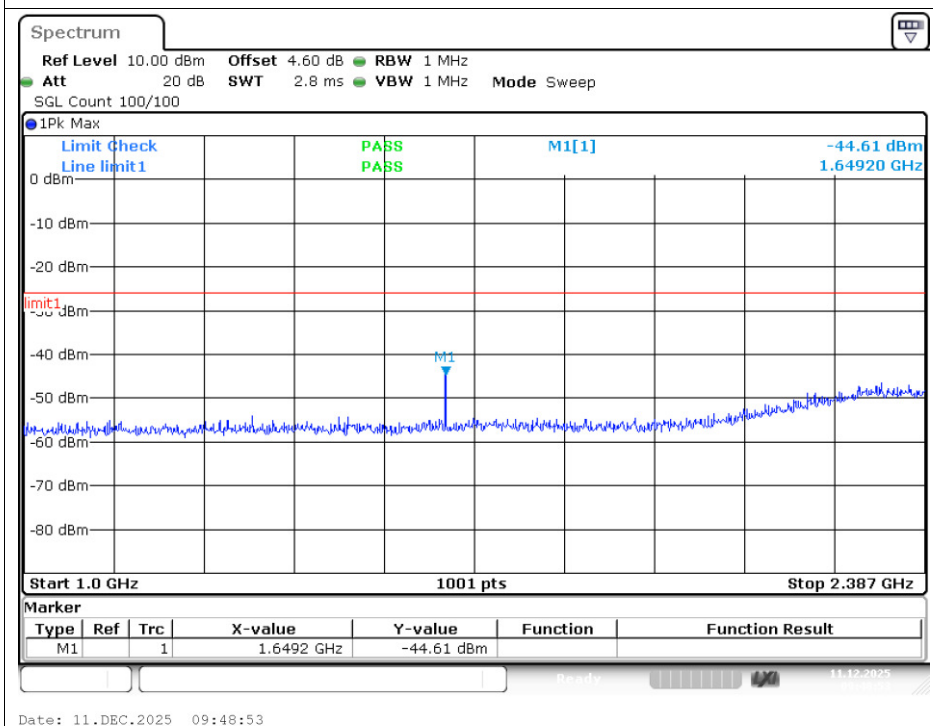
Tx. Spurious NVNT n20 2442MHz Ant1 @ 2496.5MHz-13000MHz



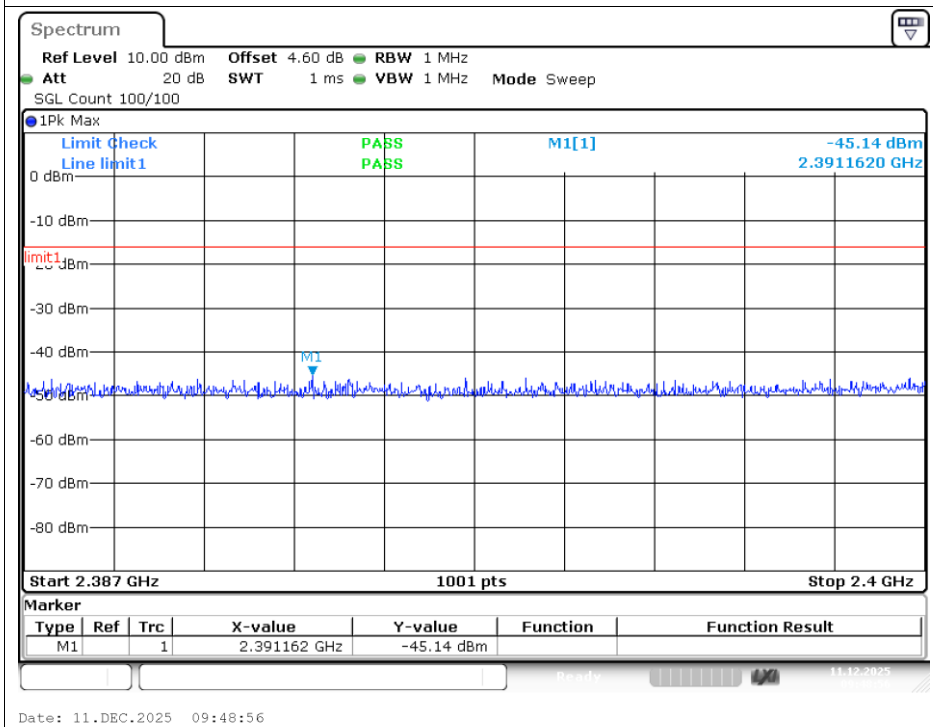
Tx. Spurious NVNT n20 2472MHz Ant1 @ 30MHz-1000MHz



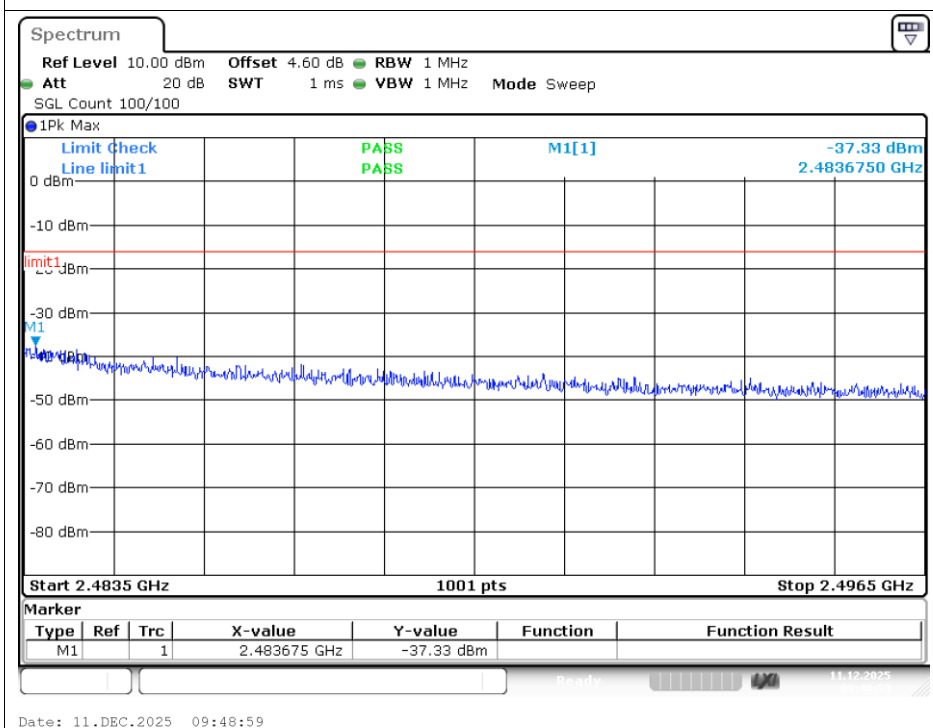
Tx. Spurious NVNT n20 2472MHz Ant1 @ 1000MHz-2387MHz

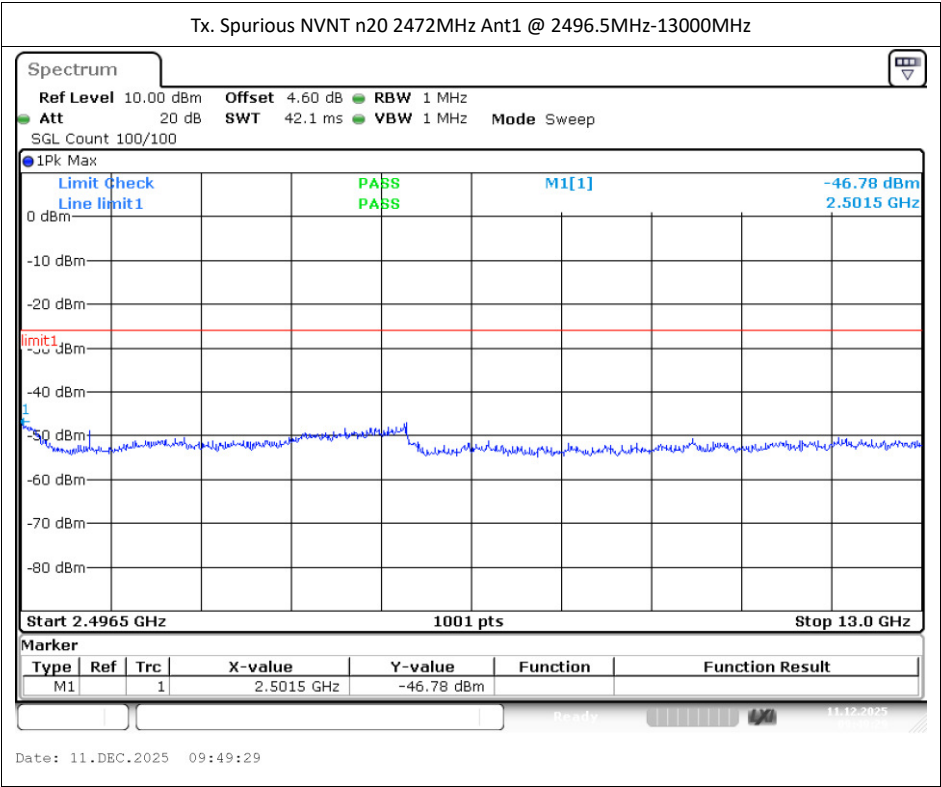


Tx. Spurious NVNT n20 2472MHz Ant1 @ 2387MHz-2400MHz



Tx. Spurious NVNT n20 2472MHz Ant1 @ 2483.5MHz-2496.5MHz





Rx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	b	2412	Ant1	30-1000	949.13	-71.3	0.0741	4	Pass
NVNT	b	2412	Ant1	1000-13000	5789	-55.97	2.5293	20	Pass
NVNT	b	2442	Ant1	30-1000	371.58	-72.47	0.0566	4	Pass
NVNT	b	2442	Ant1	1000-13000	5777	-56.48	2.2491	20	Pass
NVNT	b	2472	Ant1	30-1000	902.61	-71.02	0.0791	4	Pass
NVNT	b	2472	Ant1	1000-13000	6748	-57.91	1.6181	20	Pass
NVNT	g	2412	Ant1	30-1000	794.08	-72.43	0.0571	4	Pass
NVNT	g	2412	Ant1	1000-13000	7000	-57.8	1.6596	20	Pass
NVNT	g	2442	Ant1	30-1000	835.75	-72.75	0.0531	4	Pass
NVNT	g	2442	Ant1	1000-13000	6832	-57.08	1.9588	20	Pass
NVNT	g	2472	Ant1	30-1000	841.56	-71.8	0.0661	4	Pass
NVNT	g	2472	Ant1	1000-13000	6365	-57.84	1.6444	20	Pass
NVNT	n20	2412	Ant1	30-1000	997.58	-72.24	0.0597	4	Pass
NVNT	n20	2412	Ant1	1000-13000	1953	-49.66	10.8143	20	Pass
NVNT	n20	2442	Ant1	30-1000	959.79	-72.47	0.0566	4	Pass
NVNT	n20	2442	Ant1	1000-13000	6940	-57.89	1.6255	20	Pass
NVNT	n20	2472	Ant1	30-1000	888.08	-71.83	0.0656	4	Pass
NVNT	n20	2472	Ant1	1000-13000	6844	-57.55	1.7579	20	Pass

