

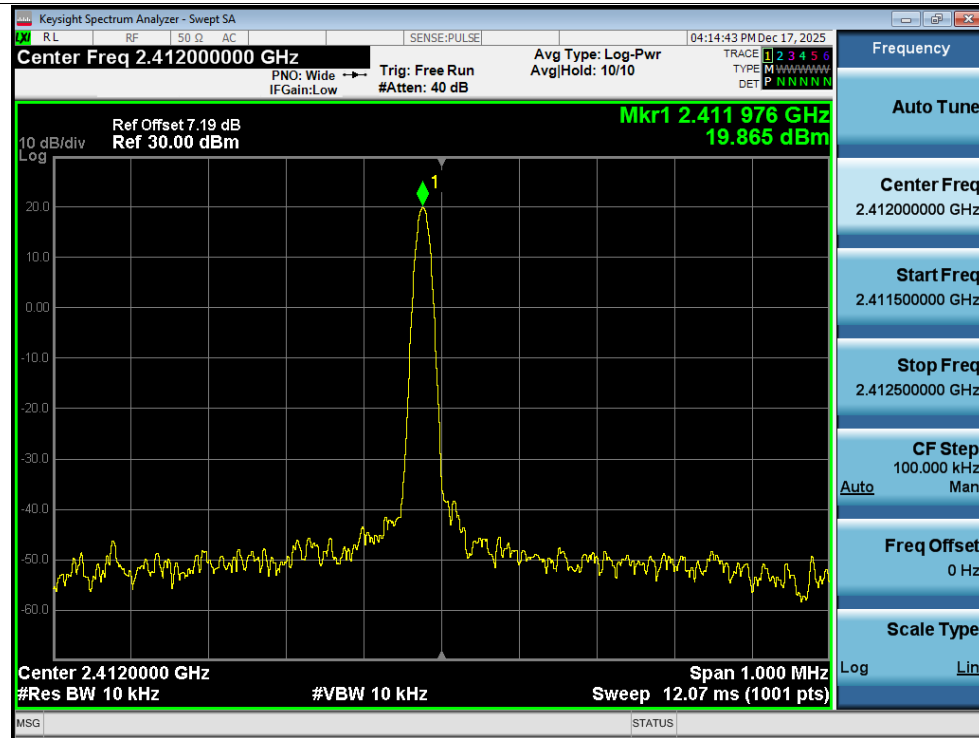
Appendix B

Frequency Error

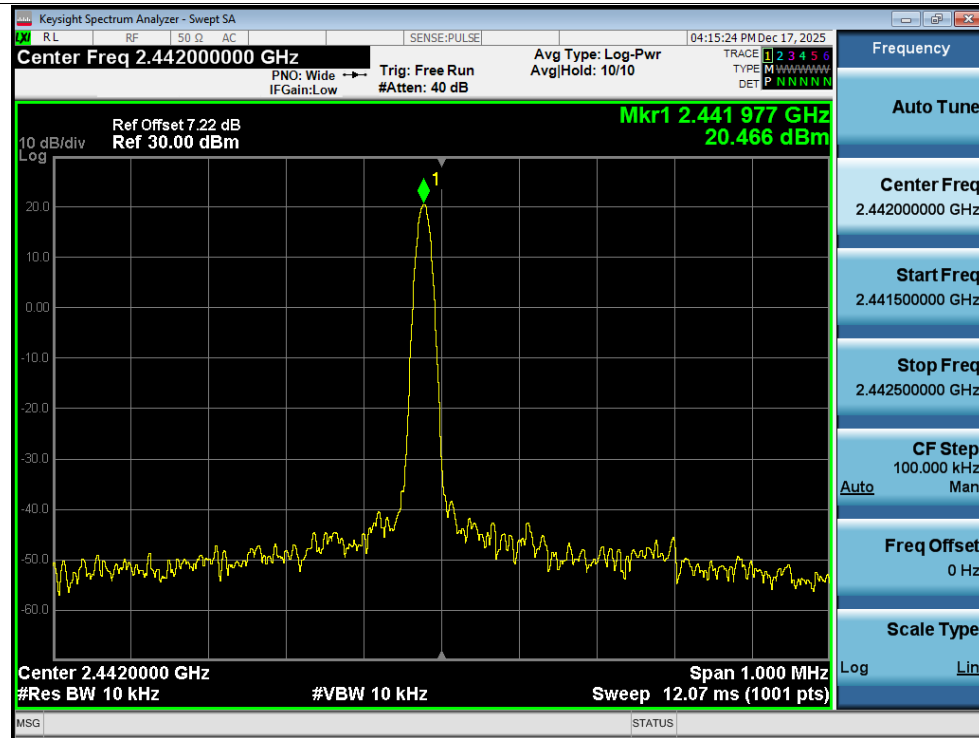
Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2412	Ant1	2411.976	-24000	-9.95	50	Pass
NVNT	2442	Ant1	2441.977	-23000	-9.42	50	Pass
NVNT	2472	Ant1	2471.976	-24000	-9.71	50	Pass

Test Graphs

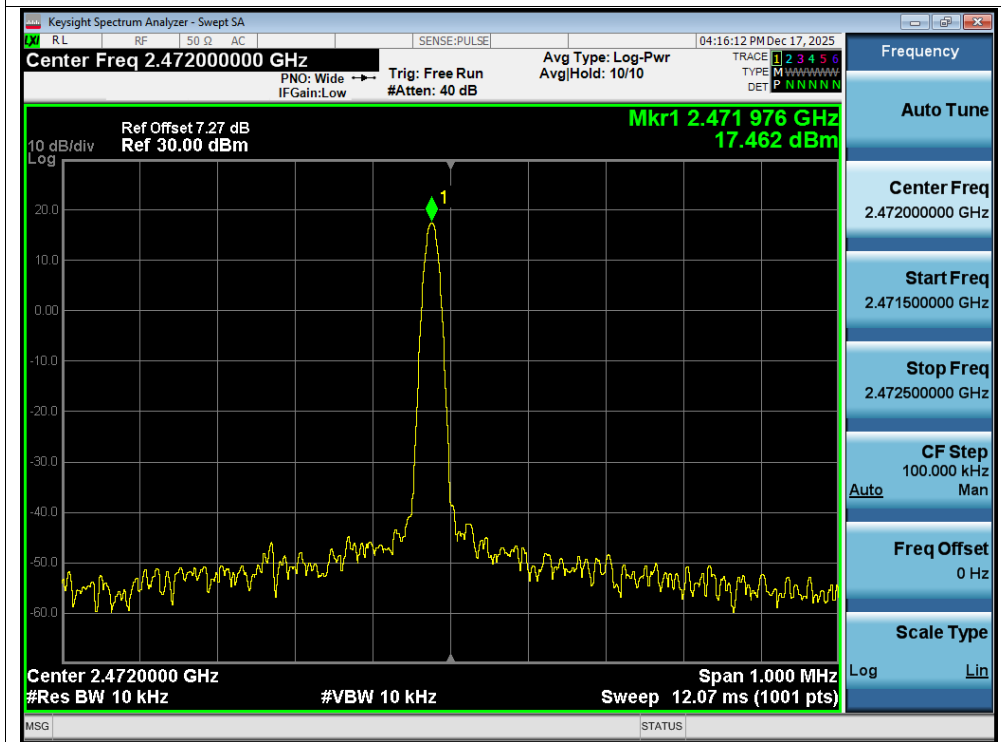
Freq. Error NVNT b 2412MHz Ant1



Freq. Error NVNT b 2442MHz Ant1



Freq. Error NVNT b 2472MHz Ant1

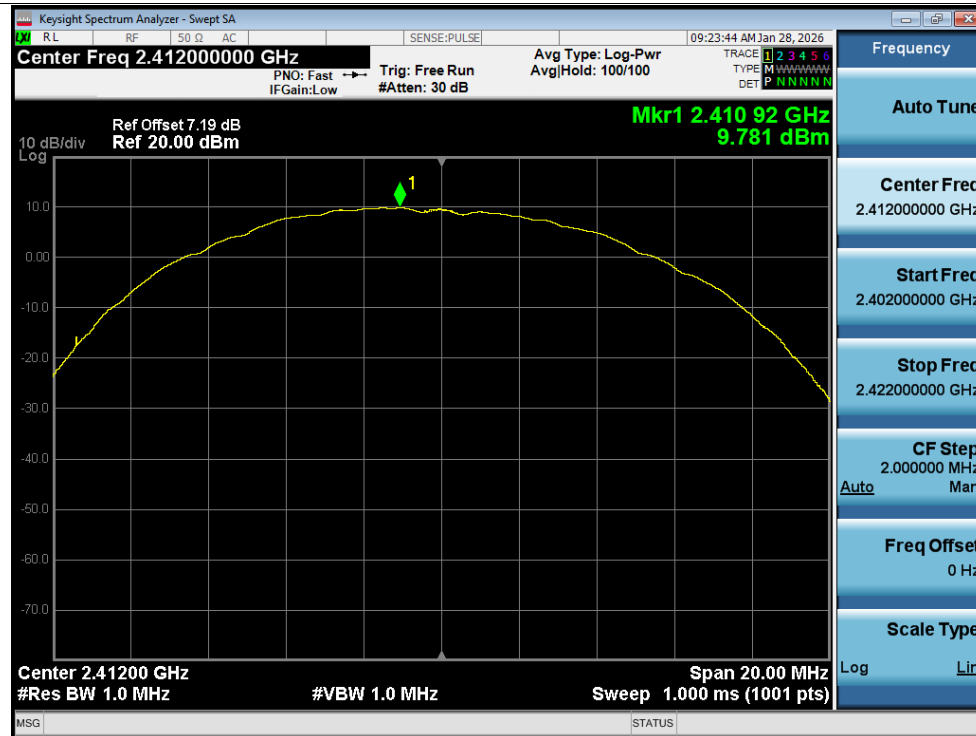


Antenna Power

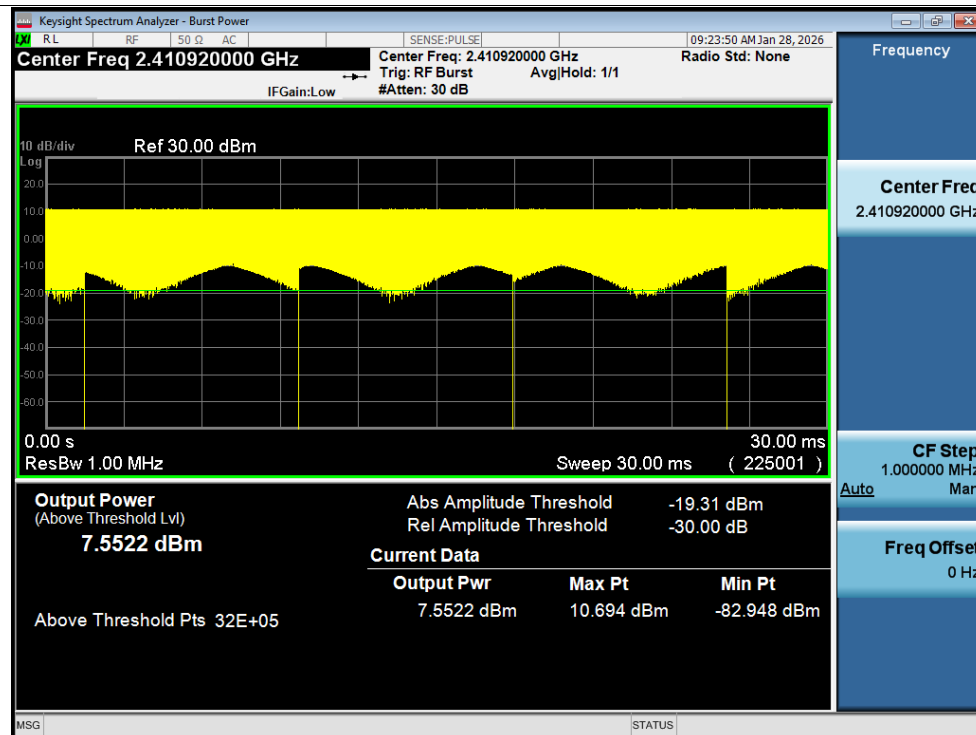
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm/MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	b	2412	Ant1	7.55	5.691	10	6	-5.15	20	Pass
NVNT	b	2442	Ant1	5.94	3.93	10	6	-34.5	20	Pass
NVNT	b	2472	Ant1	7.02	5.038	10	6	-16.03	20	Pass
NVNT	g	2412	Ant1	2.45	1.76	10	3	-41.33	20	Pass
NVNT	g	2442	Ant1	4.01	2.519	10	3	-16.03	20	Pass
NVNT	g	2472	Ant1	3.58	2.282	10	3	-23.93	20	Pass
NVNT	n20	2412	Ant1	0.24	1.056	10	2	-47.2	20	Pass
NVNT	n20	2442	Ant1	2.07	1.612	10	2	-19.4	20	Pass
NVNT	n20	2472	Ant1	1.23	1.328	10	2	-33.6	20	Pass

Test Graphs

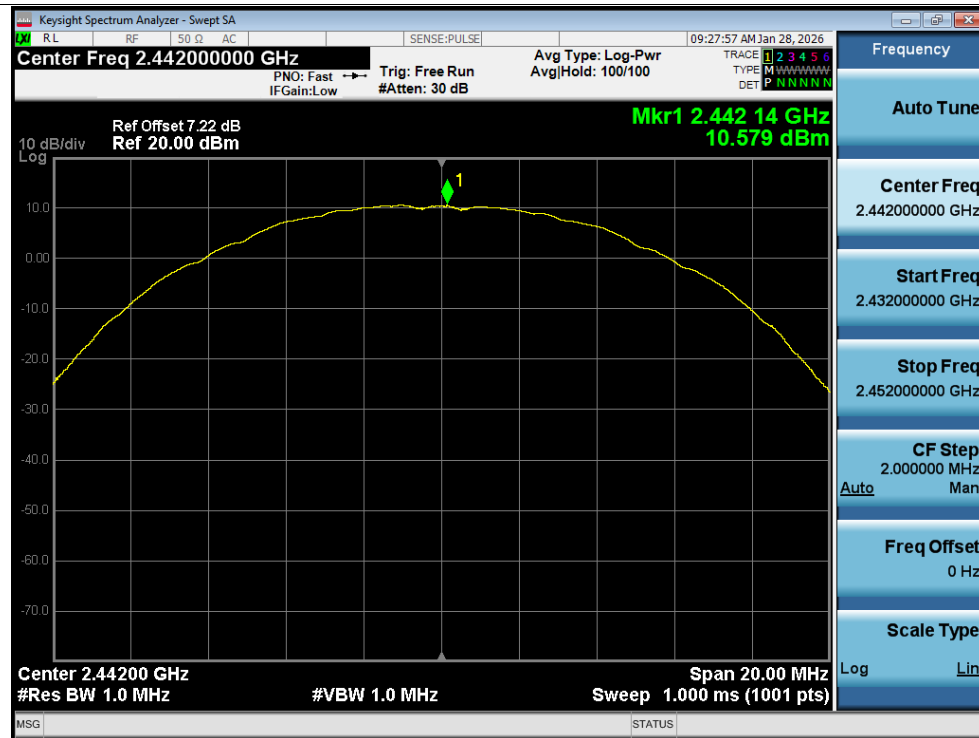
Power NVNT b 2412 MHz Ant1 Pre Scan



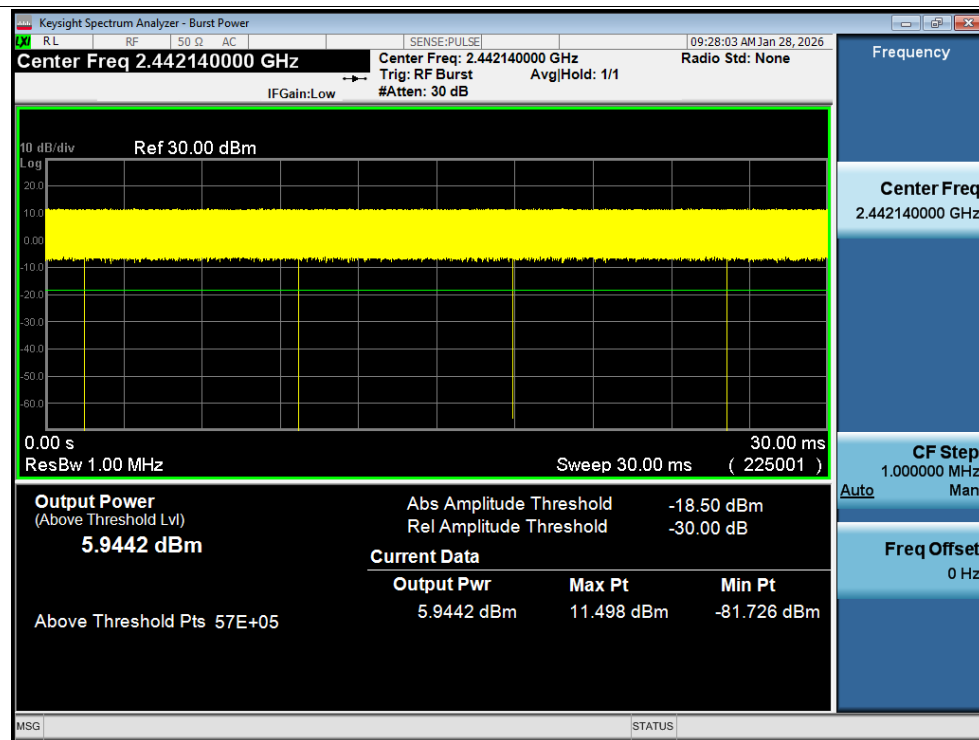
Power NVNT b 2412 MHz Ant1 Zero Span



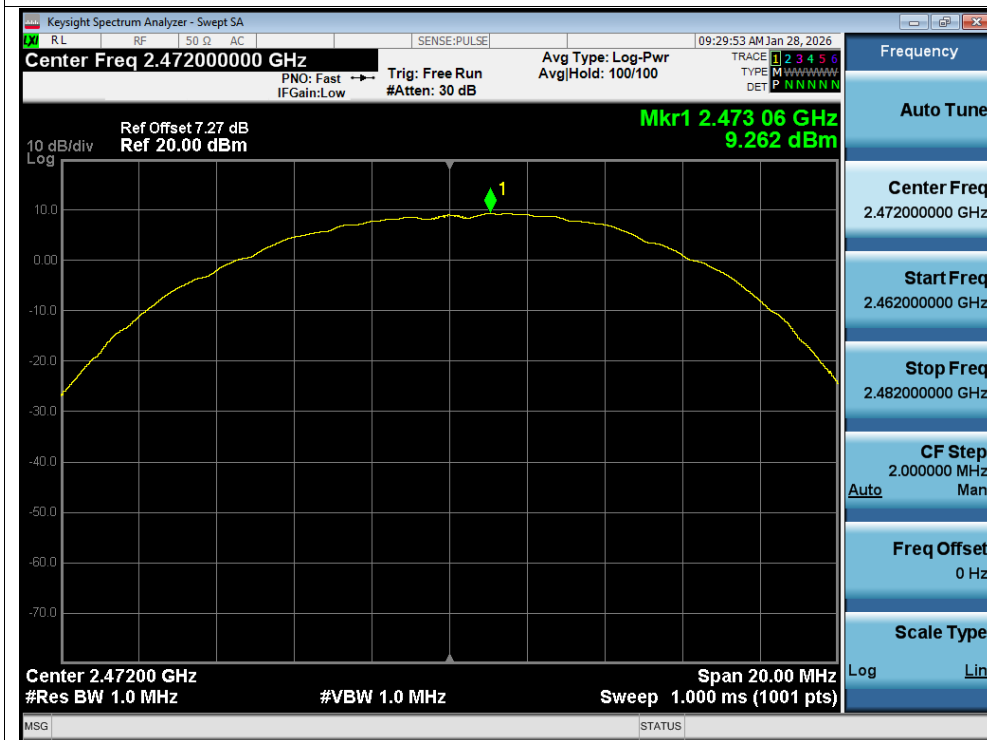
Power NVNT b 2442 MHz Ant1 Pre Scan



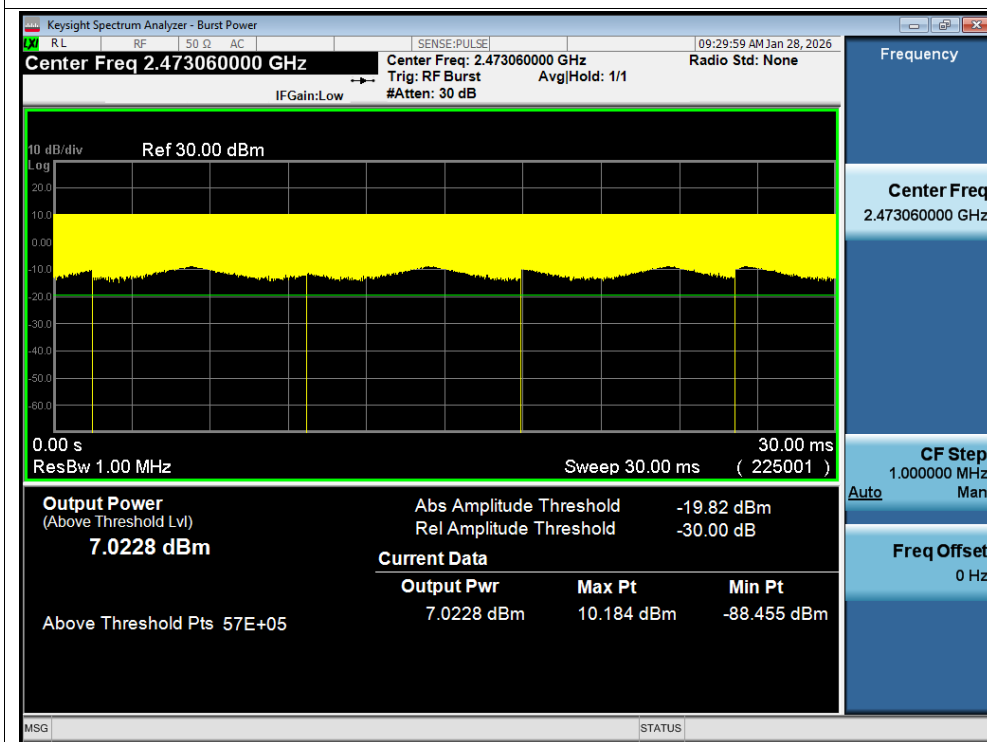
Power NVNT b 2442 MHz Ant1 Zero Span



Power NVNT b 2472 MHz Ant1 Pre Scan



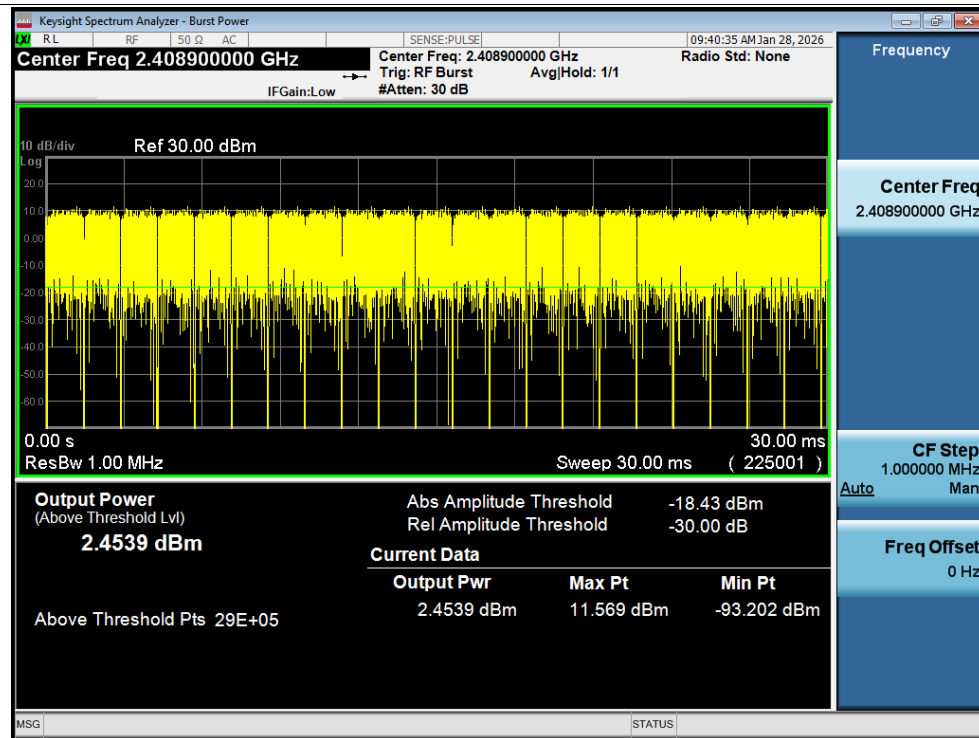
Power NVNT b 2472 MHz Ant1 Zero Span



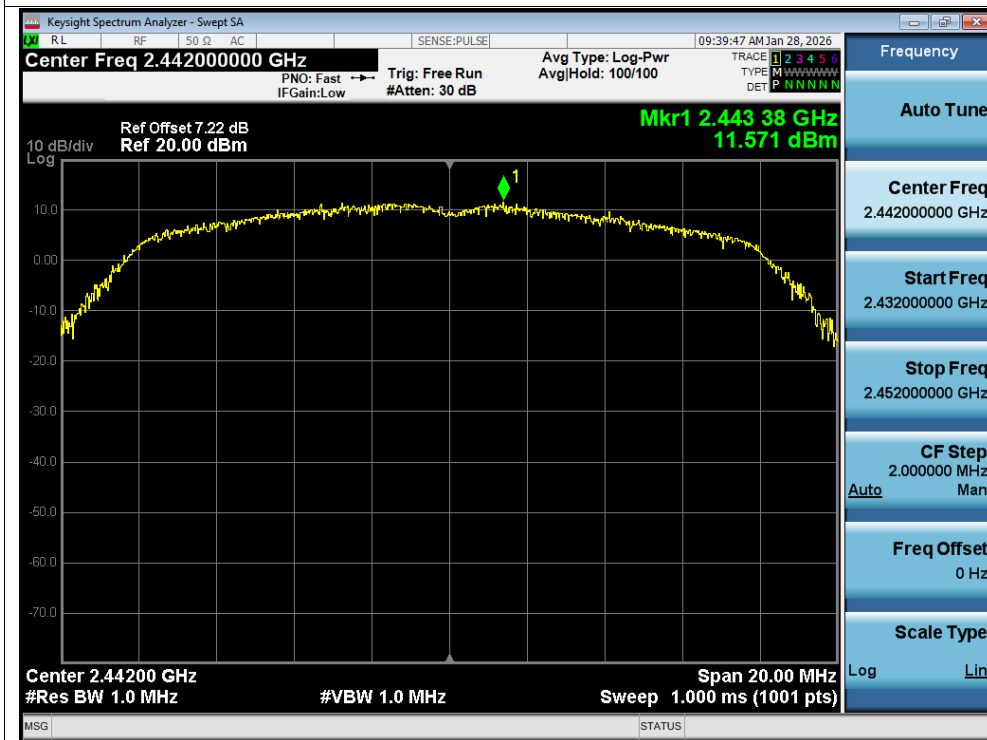
Power NVNT g 2412 MHz Ant1 Pre Scan



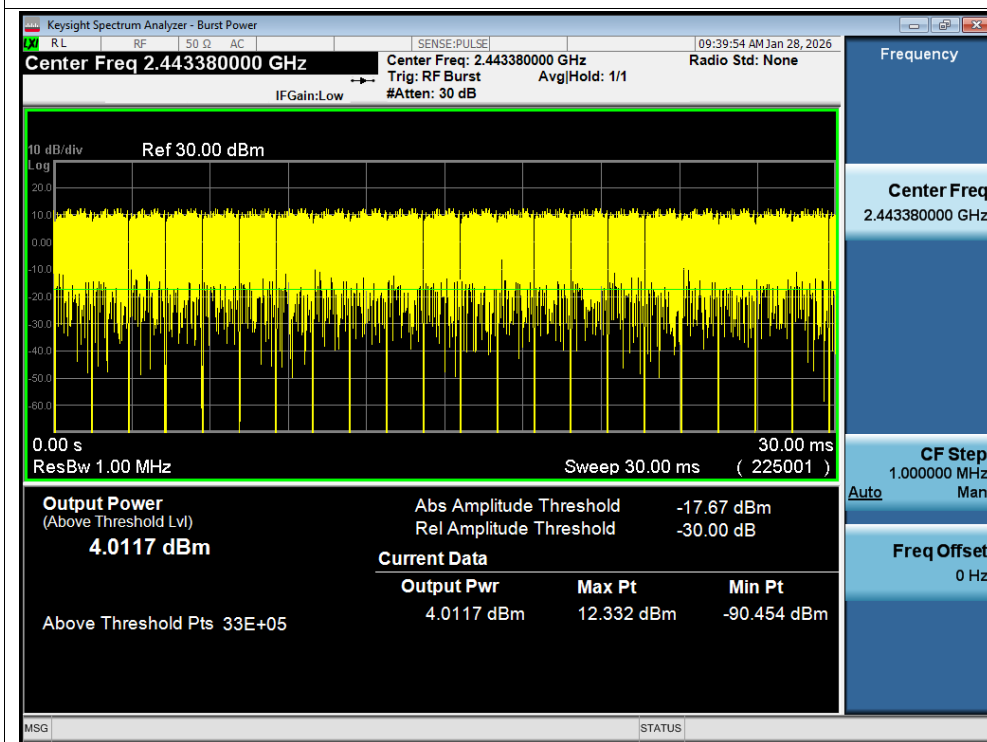
Power NVNT g 2412 MHz Ant1 Zero Span



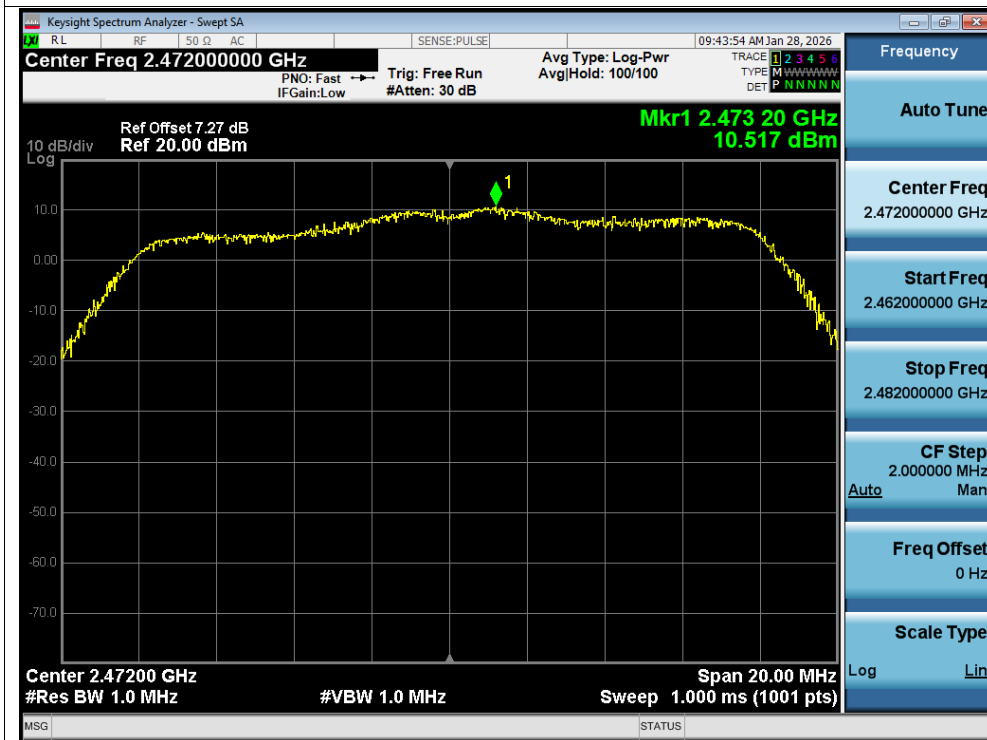
Power NVNT g 2442 MHz Ant1 Pre Scan



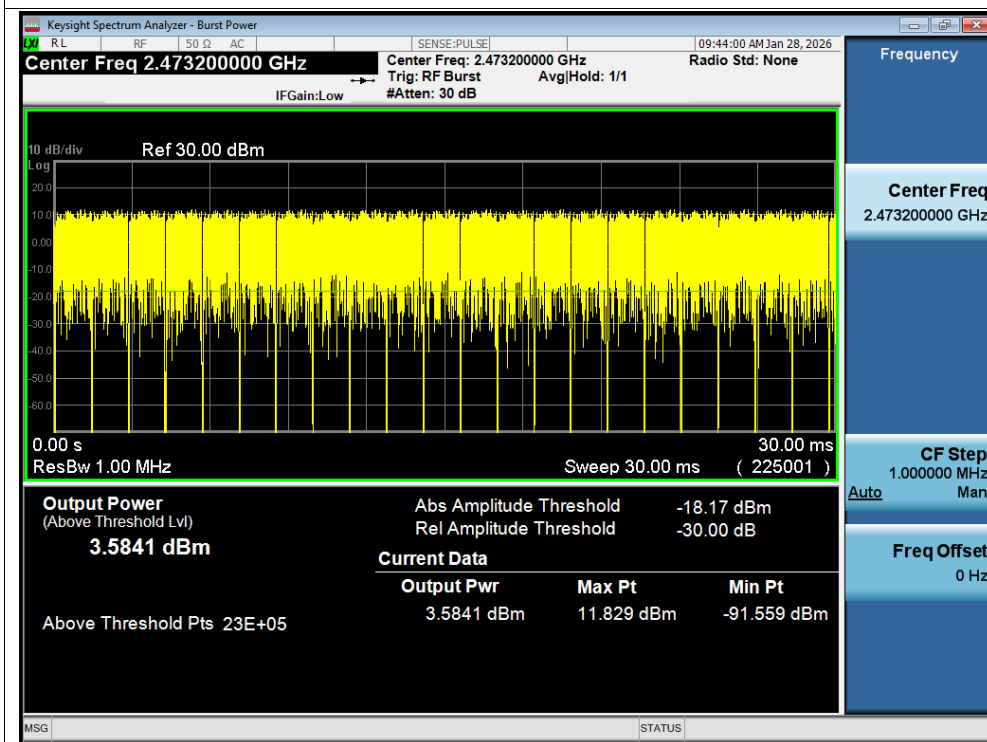
Power NVNT g 2442 MHz Ant1 Zero Span



Power NVNT g 2472 MHz Ant1 Pre Scan



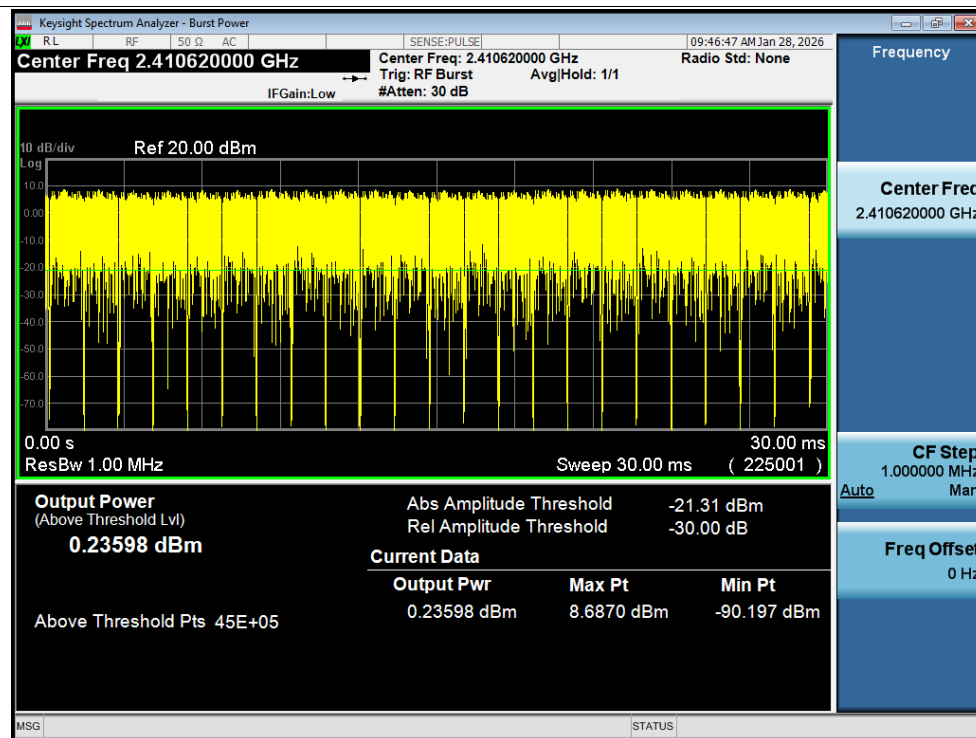
Power NVNT g 2472 MHz Ant1 Zero Span



Power NVNT n20 2412 MHz Ant1 Pre Scan



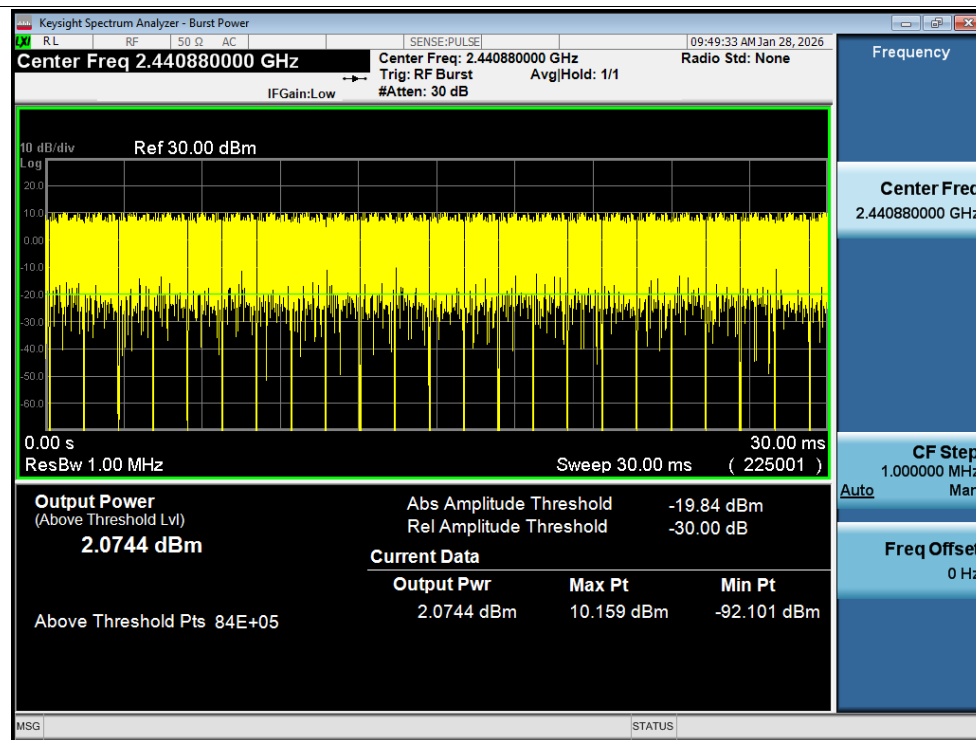
Power NVNT n20 2412 MHz Ant1 Zero Span



Power NVNT n20 2442 MHz Ant1 Pre Scan



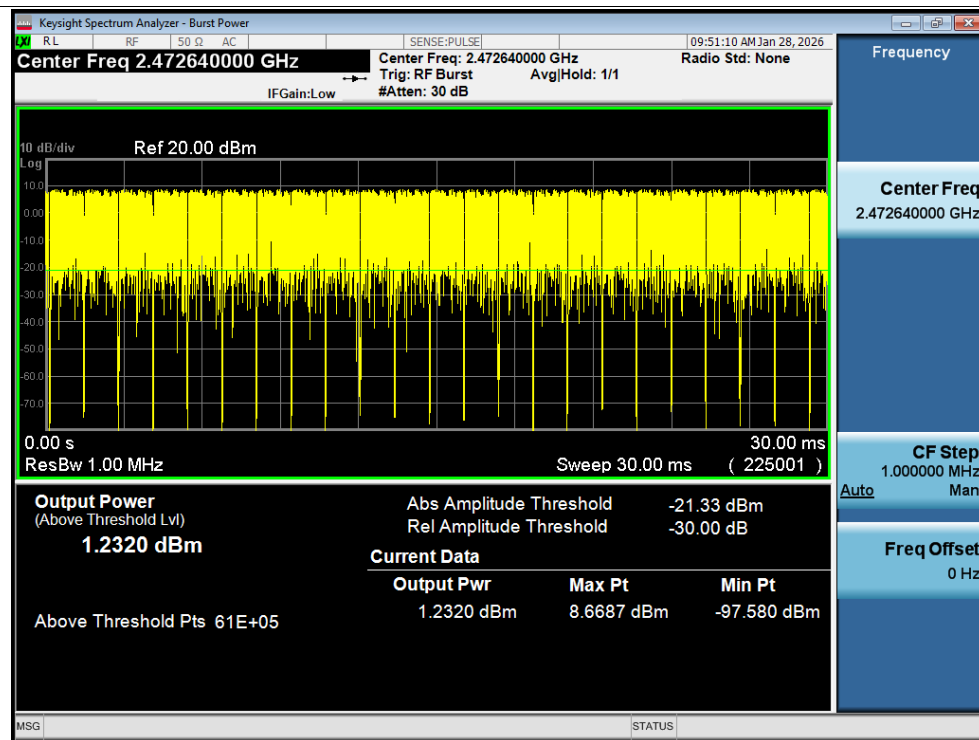
Power NVNT n20 2442 MHz Ant1 Zero Span



Power NVNT n20 2472 MHz Ant1 Pre Scan



Power NVNT n20 2472 MHz Ant1 Zero Span



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	7.55	3.9	11.45	12.14	Pass
NVNT	b	2442	Ant1	5.94	3.9	9.84	12.14	Pass
NVNT	b	2472	Ant1	7.02	3.9	10.92	12.14	Pass
NVNT	g	2412	Ant1	2.46	3.9	6.35	12.14	Pass
NVNT	g	2442	Ant1	4.01	3.9	7.91	12.14	Pass
NVNT	g	2472	Ant1	3.58	3.9	7.48	12.14	Pass
NVNT	n20	2412	Ant1	0.24	3.9	4.14	12.14	Pass
NVNT	n20	2442	Ant1	2.07	3.9	5.97	12.14	Pass
NVNT	n20	2472	Ant1	1.23	3.9	5.13	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	13.626	N/A	26	Pass
NVNT	b	2442	Ant1	13.38	N/A	26	Pass
NVNT	b	2472	Ant1	13.732	N/A	26	Pass
NVNT	g	2412	Ant1	16.188	N/A	26	Pass
NVNT	g	2442	Ant1	16.039	N/A	26	Pass
NVNT	g	2472	Ant1	16.224	N/A	26	Pass
NVNT	n20	2412	Ant1	17.295	N/A	26	Pass
NVNT	n20	2442	Ant1	17.122	N/A	26	Pass
NVNT	n20	2472	Ant1	17.095	N/A	26	Pass

Test Graphs

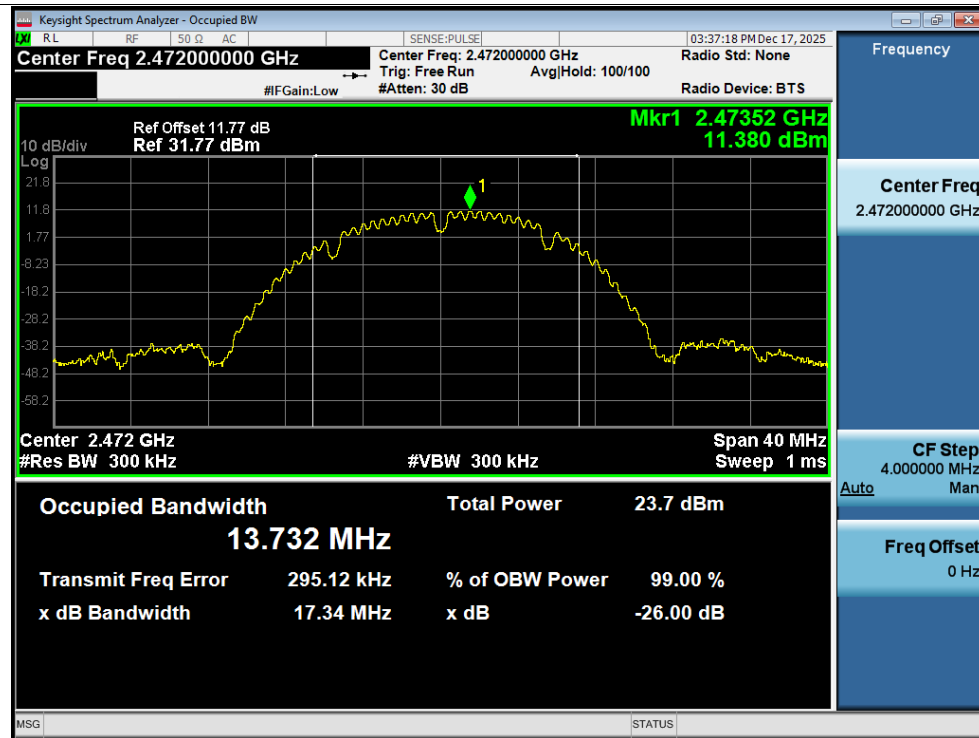
OBW NVNT b 2412MHz Ant1



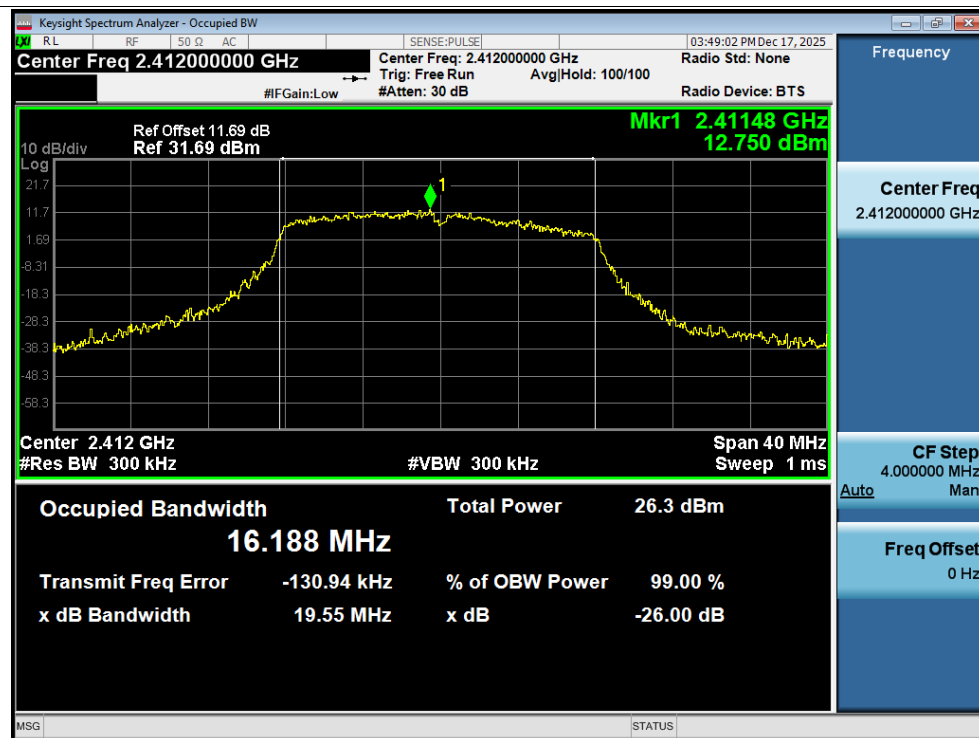
OBW NVNT b 2442MHz Ant1



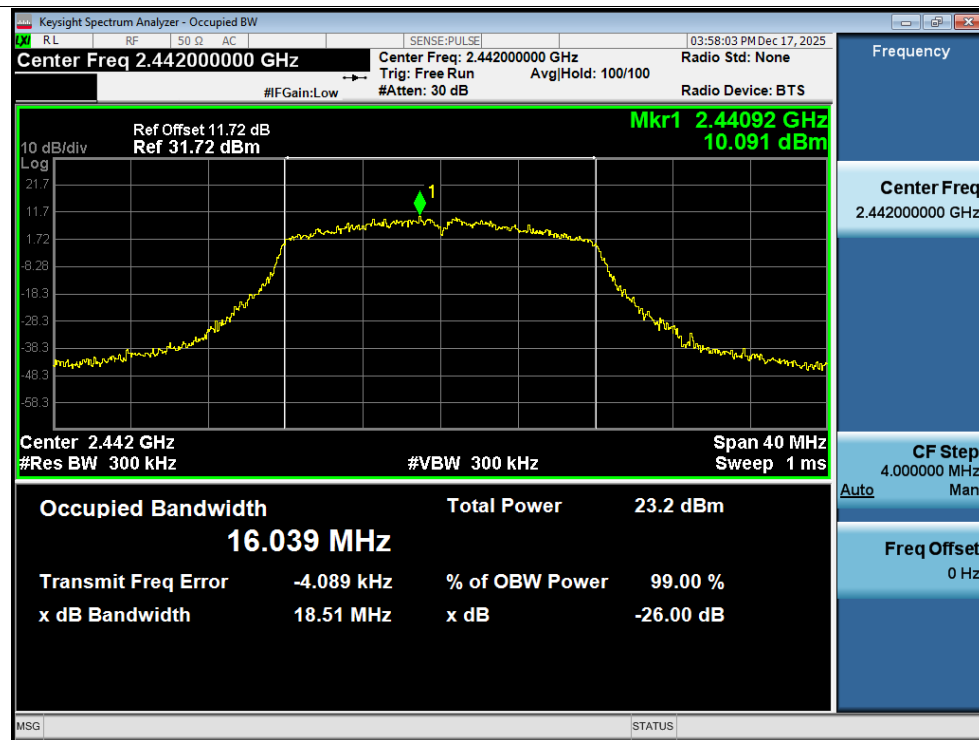
OBW NVNT b 2472MHz Ant1



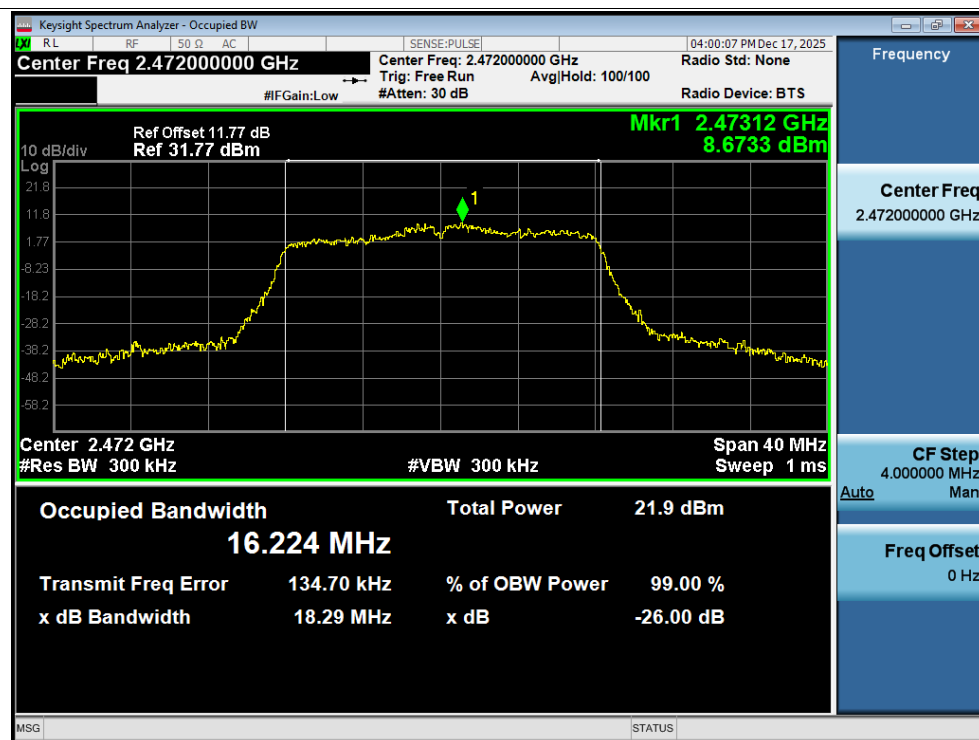
OBW NVNT g 2412MHz Ant1



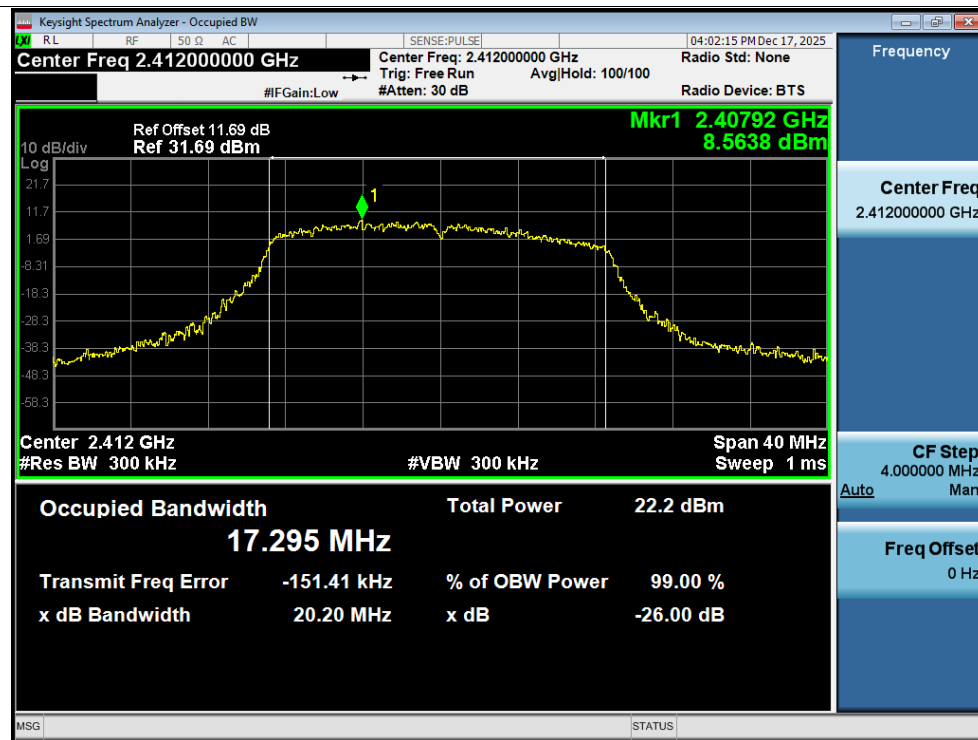
OBW NVNT g 2442MHz Ant1



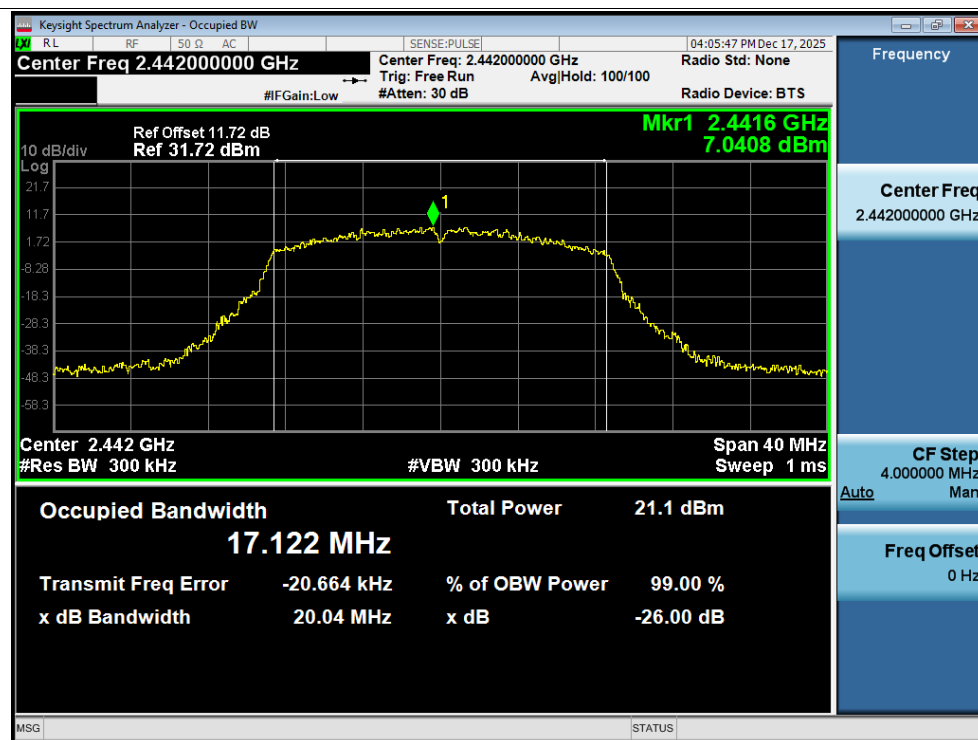
OBW NVNT g 2472MHz Ant1



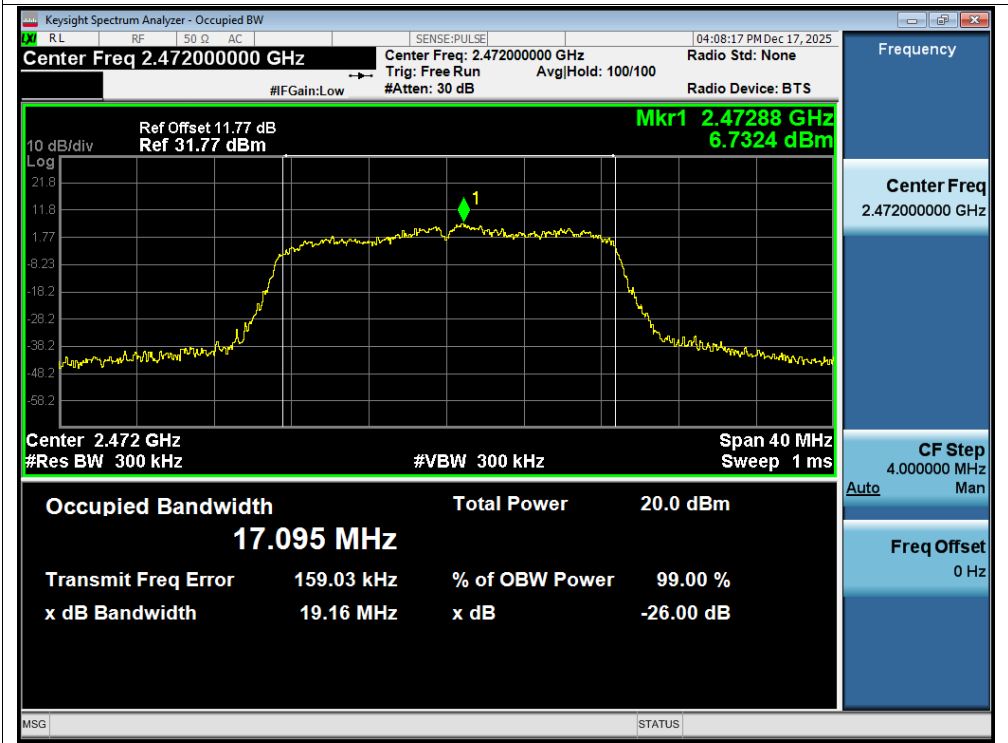
OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2442MHz Ant1



OBW NVNT n20 2472MHz Ant1



Spreading Bandwidth

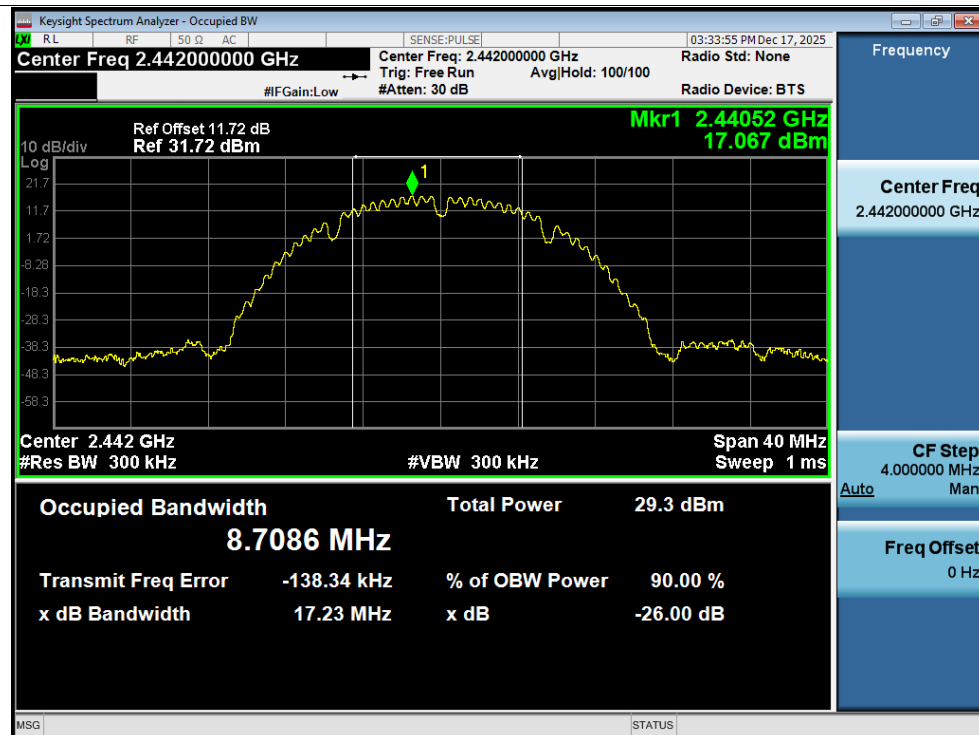
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)
NVNT	b	2412	Ant1	8.951
NVNT	b	2442	Ant1	8.709
NVNT	b	2472	Ant1	9.019
NVNT	g	2412	Ant1	12.982
NVNT	g	2442	Ant1	12.472
NVNT	g	2472	Ant1	13.712
NVNT	n20	2412	Ant1	13.778
NVNT	n20	2442	Ant1	13.151
NVNT	n20	2472	Ant1	14.157

Test Graphs

Spreading Bandwidth NVNT b 2412MHz Ant1



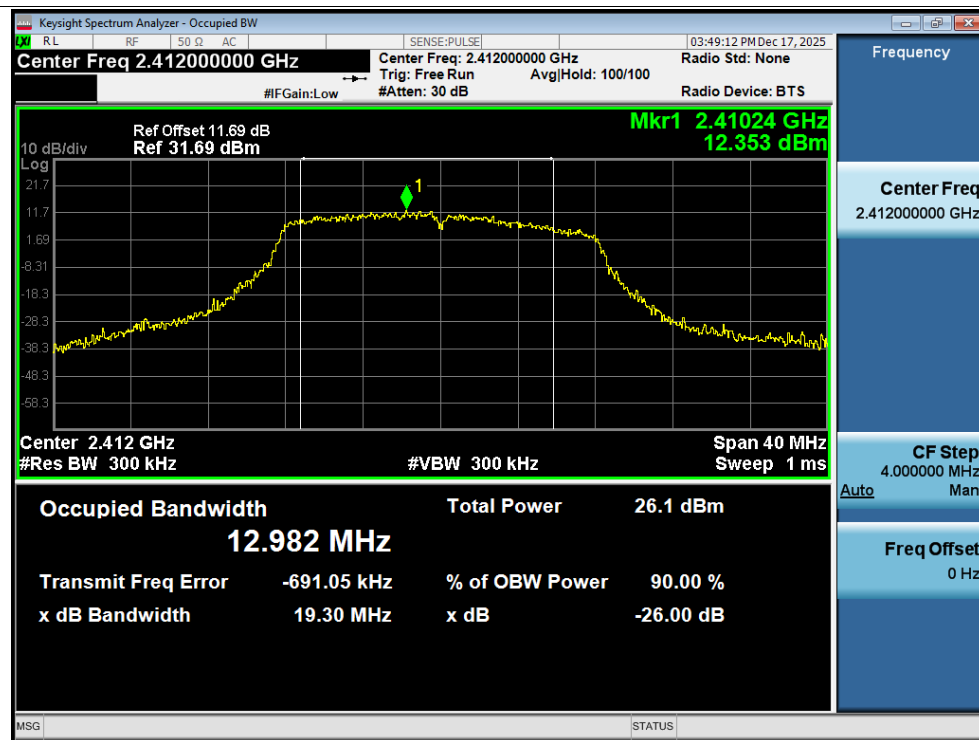
Spreading Bandwidth NVNT b 2442MHz Ant1



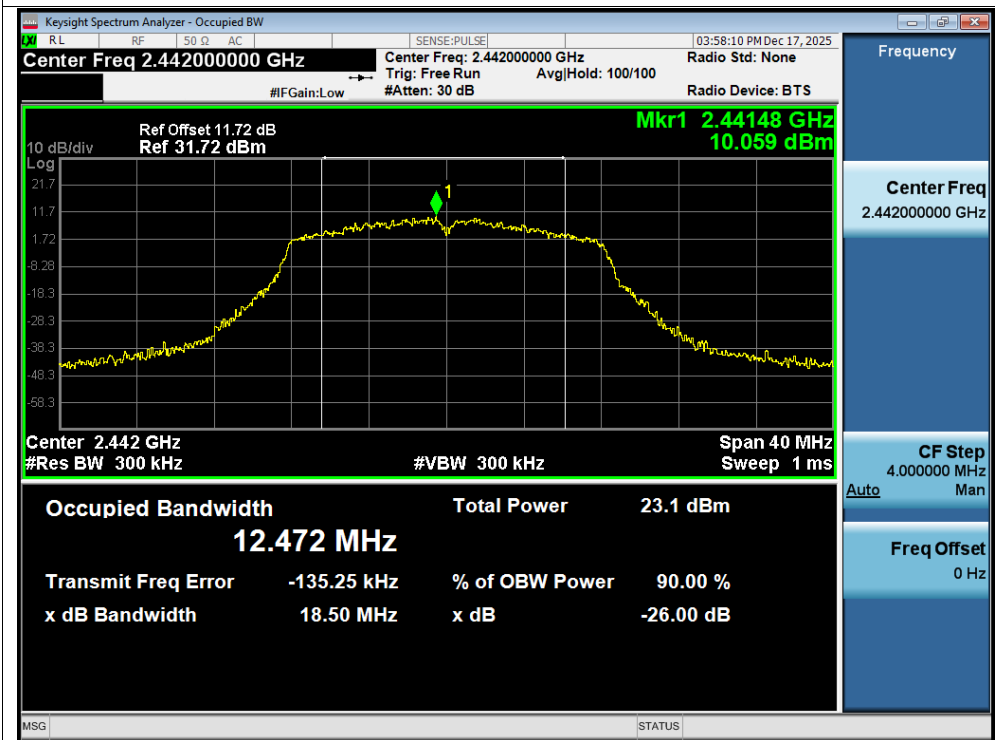
Spreading Bandwidth NVNT b 2472MHz Ant1



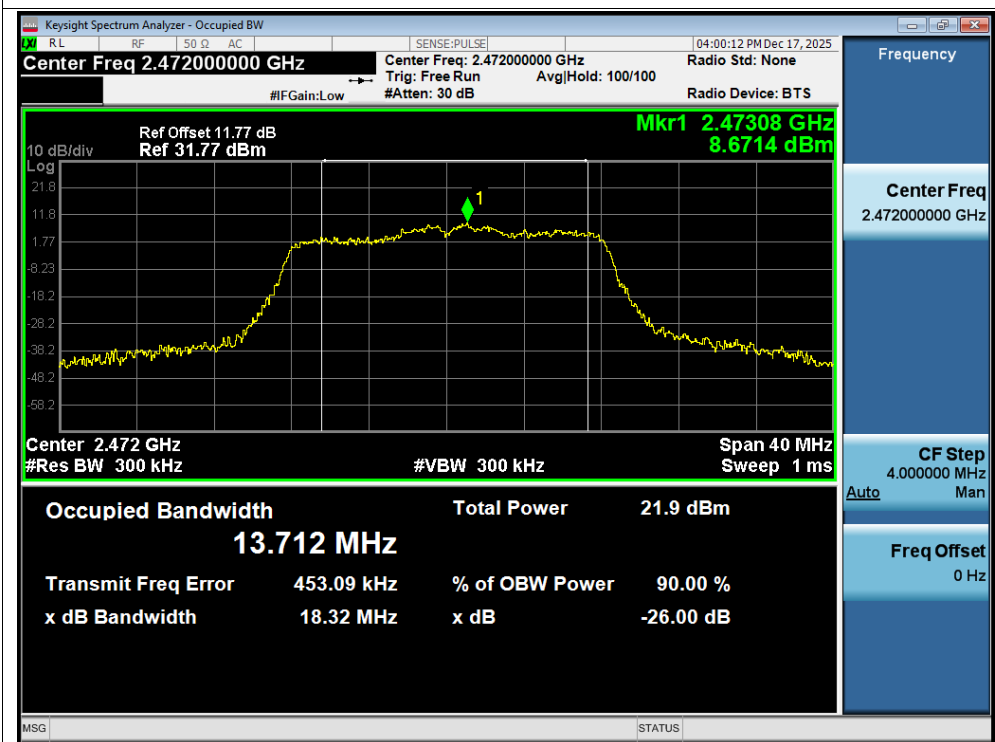
Spreading Bandwidth NVNT g 2412MHz Ant1



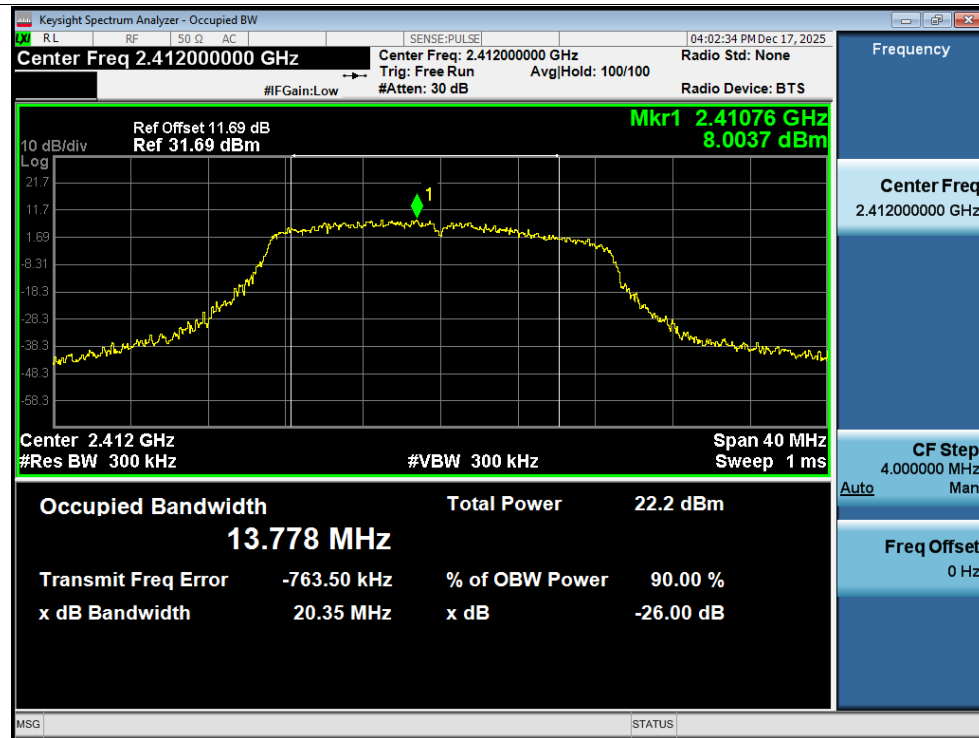
Spreading Bandwidth NVNT g 2442MHz Ant1



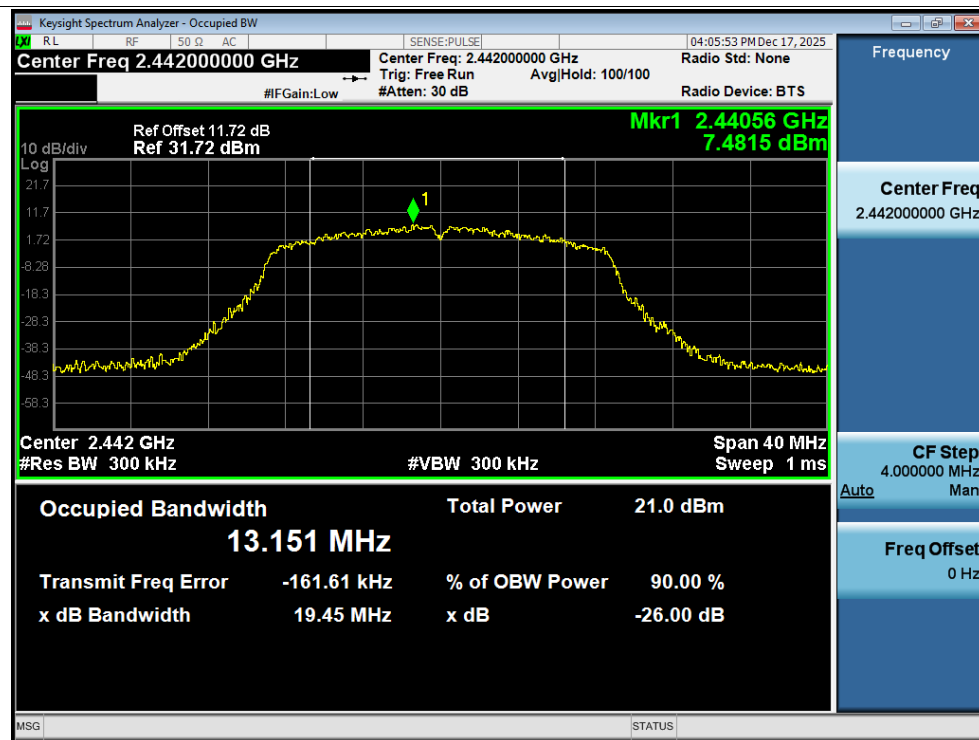
Spreading Bandwidth NVNT g 2472MHz Ant1



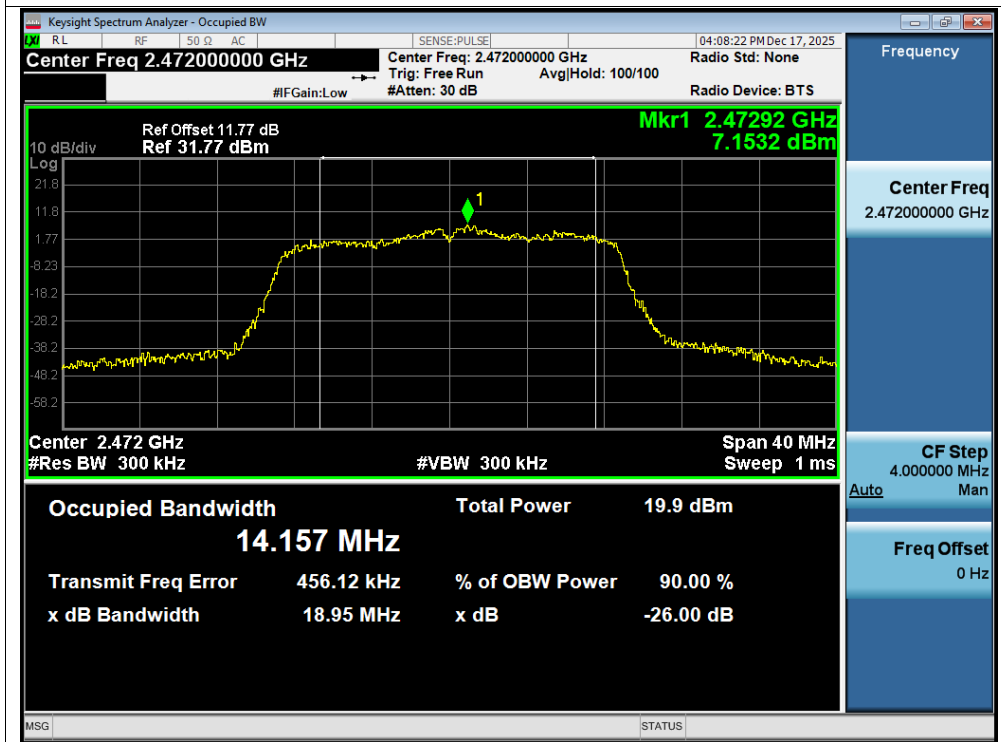
Spreading Bandwidth NVNT n20 2412MHz Ant1



Spreading Bandwidth NVNT n20 2442MHz Ant1



Spreading Bandwidth NVNT n20 2472MHz Ant1



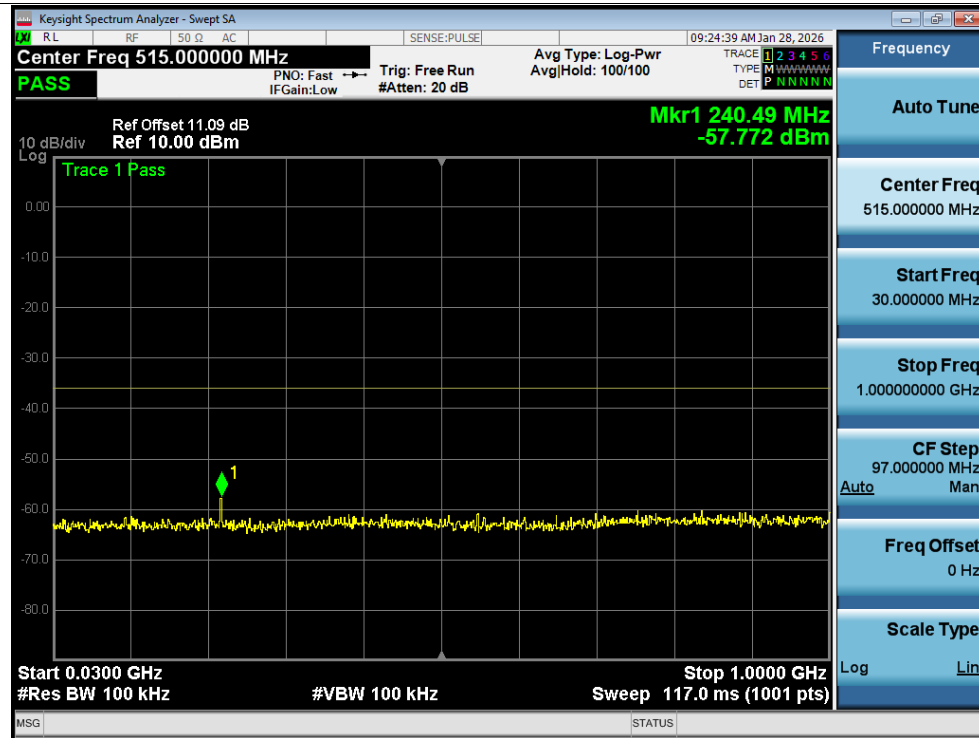
Tx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/100kHz)	Limit Start(dBm/100kHz)	Limit Stop (dBm/100kHz)	Verdict
NVNT	b	2412	Ant1	30-1000	240.49	-57.77	-36	-36	Pass
NVNT	b	2442	Ant1	30-1000	239.52	-57.39	-36	-36	Pass
NVNT	b	2472	Ant1	30-1000	239.52	-57.72	-36	-36	Pass
NVNT	g	2412	Ant1	30-1000	239.52	-58.7	-36	-36	Pass
NVNT	g	2442	Ant1	30-1000	239.52	-56.61	-36	-36	Pass
NVNT	g	2472	Ant1	30-1000	239.52	-58.21	-36	-36	Pass
NVNT	n20	2412	Ant1	30-1000	399.57	-57.83	-36	-36	Pass
NVNT	n20	2442	Ant1	30-1000	240.49	-55.89	-36	-36	Pass
NVNT	n20	2472	Ant1	30-1000	240.49	-57.07	-36	-36	Pass

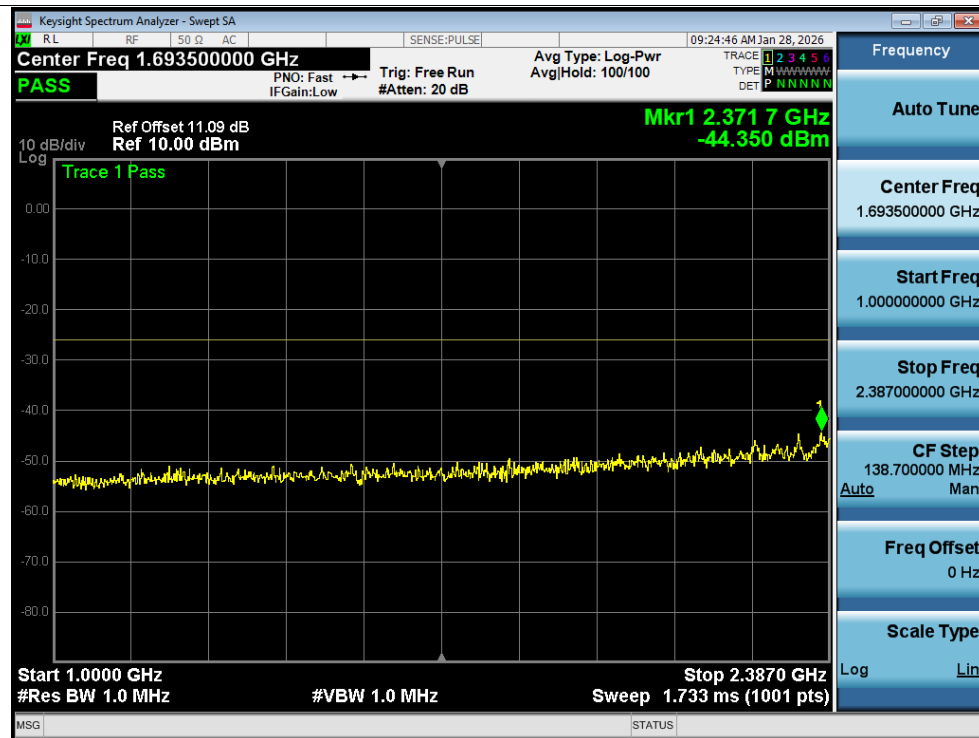
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit Start(dBm/MHz)	Limit Stop (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	1000-2387	2371.74	-44.35	-26	-26	Pass
NVNT	b	2412	Ant1	2387-2400	2399.92	-33.56	-16	-16	Pass
NVNT	b	2412	Ant1	2483.5-2496.5	2488.26	-46.31	-16	-16	Pass
NVNT	b	2412	Ant1	2496.5-13000	4828.28	-41.28	-26	-26	Pass
NVNT	b	2442	Ant1	1000-2387	2366.19	-47.11	-26	-26	Pass
NVNT	b	2442	Ant1	2387-2400	2398.36	-45.17	-16	-16	Pass
NVNT	b	2442	Ant1	2483.5-2496.5	2483.67	-45.63	-16	-16	Pass
NVNT	b	2442	Ant1	2496.5-13000	4880.79	-43.17	-26	-26	Pass
NVNT	b	2472	Ant1	1000-2387	2149.82	-45.91	-26	-26	Pass
NVNT	b	2472	Ant1	2387-2400	2393.64	-44.03	-16	-16	Pass
NVNT	b	2472	Ant1	2483.5-2496.5	2486.37	-29.11	-16	-16	Pass
NVNT	b	2472	Ant1	2496.5-13000	4943.82	-40.57	-26	-26	Pass
NVNT	g	2412	Ant1	1000-2387	2327.36	-41.7	-26	-26	Pass
NVNT	g	2412	Ant1	2387-2400	2399.83	-18.55	-16	-16	Pass
NVNT	g	2412	Ant1	2483.5-2496.5	2485.27	-44.33	-16	-16	Pass
NVNT	g	2412	Ant1	2496.5-13000	2517.51	-45.24	-26	-26	Pass
NVNT	g	2442	Ant1	1000-2387	2368.97	-42.97	-26	-26	Pass
NVNT	g	2442	Ant1	2387-2400	2399.58	-41.55	-16	-16	Pass
NVNT	g	2442	Ant1	2483.5-2496.5	2483.93	-43.31	-16	-16	Pass
NVNT	g	2442	Ant1	2496.5-13000	2517.51	-44.28	-26	-26	Pass
NVNT	g	2472	Ant1	1000-2387	1951.48	-32.34	-26	-26	Pass
NVNT	g	2472	Ant1	2387-2400	2399.64	-42	-16	-16	Pass
NVNT	g	2472	Ant1	2483.5-2496.5	2484.73	-24.92	-16	-16	Pass
NVNT	g	2472	Ant1	2496.5-13000	2496.5	-36.08	-26	-26	Pass
NVNT	n20	2412	Ant1	1000-2387	2382.84	-46.23	-26	-26	Pass
NVNT	n20	2412	Ant1	2387-2400	2399.99	-17.15	-16	-16	Pass
NVNT	n20	2412	Ant1	2483.5-2496.5	2484.89	-47.36	-16	-16	Pass
NVNT	n20	2412	Ant1	2496.5-13000	12264.76	-44.77	-26	-26	Pass
NVNT	n20	2442	Ant1	1000-2387	2302.39	-43.29	-26	-26	Pass
NVNT	n20	2442	Ant1	2387-2400	2399.13	-41.59	-16	-16	Pass
NVNT	n20	2442	Ant1	2483.5-2496.5	2484.14	-44.21	-16	-16	Pass
NVNT	n20	2442	Ant1	2496.5-13000	2517.51	-44.78	-26	-26	Pass
NVNT	n20	2472	Ant1	1000-2387	2334.29	-43.72	-26	-26	Pass
NVNT	n20	2472	Ant1	2387-2400	2398.28	-42.42	-16	-16	Pass
NVNT	n20	2472	Ant1	2483.5-2496.5	2483.63	-25.31	-16	-16	Pass
NVNT	n20	2472	Ant1	2496.5-13000	2496.5	-36.22	-26	-26	Pass

Test Graphs

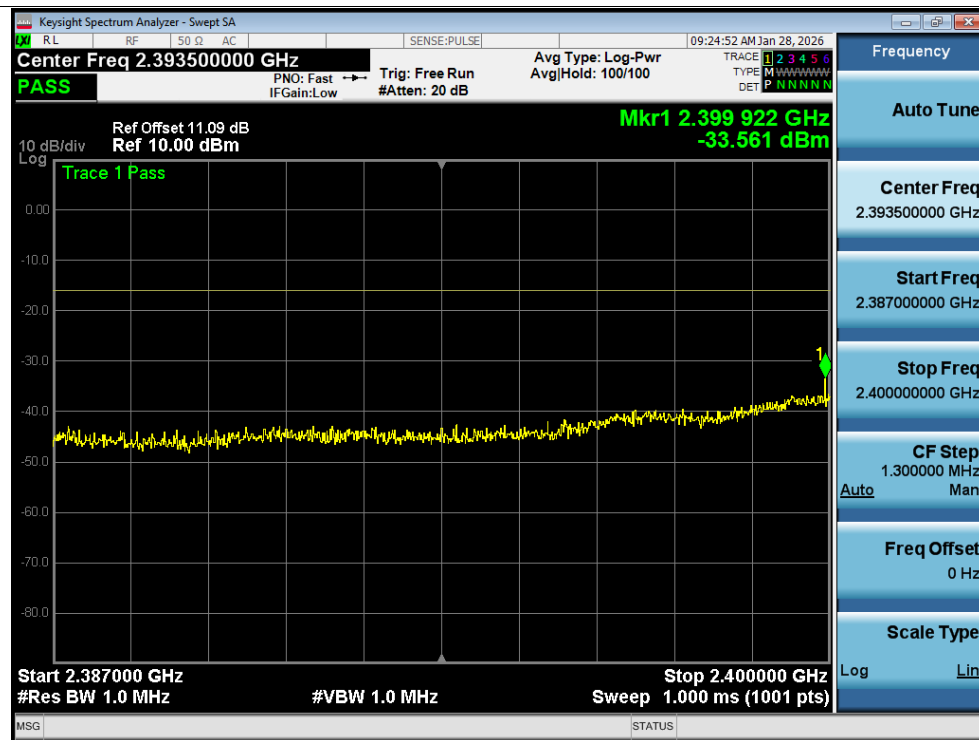
Tx. Spurious NVNT b 2412MHz Ant1 @ 30MHz-1000MHz



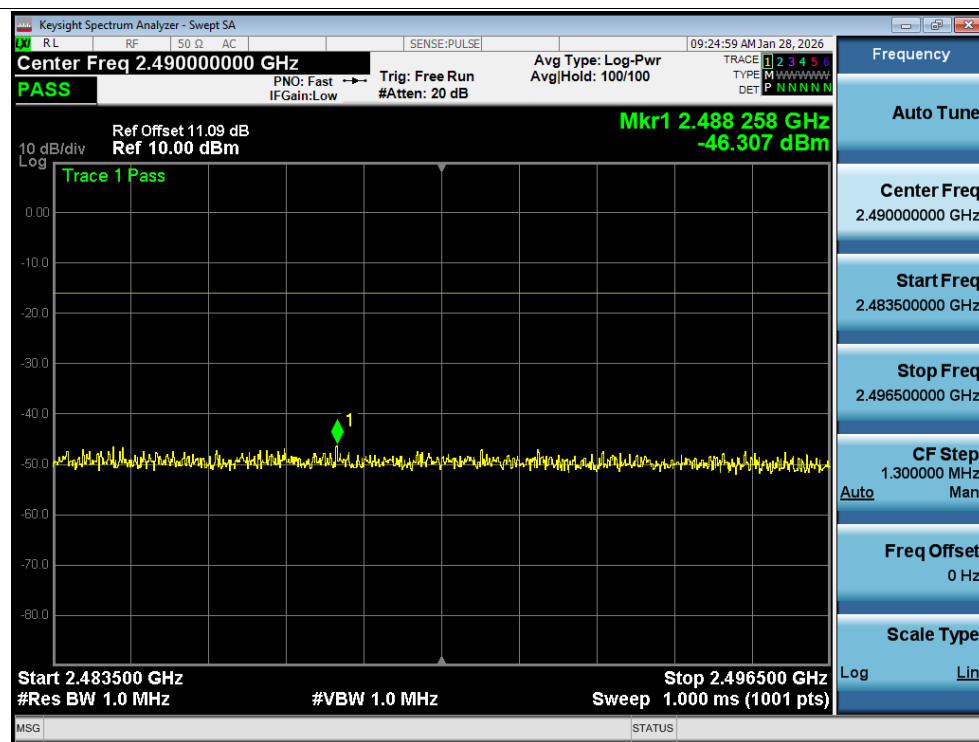
Tx. Spurious NVNT b 2412MHz Ant1 @ 1000MHz-2387MHz



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



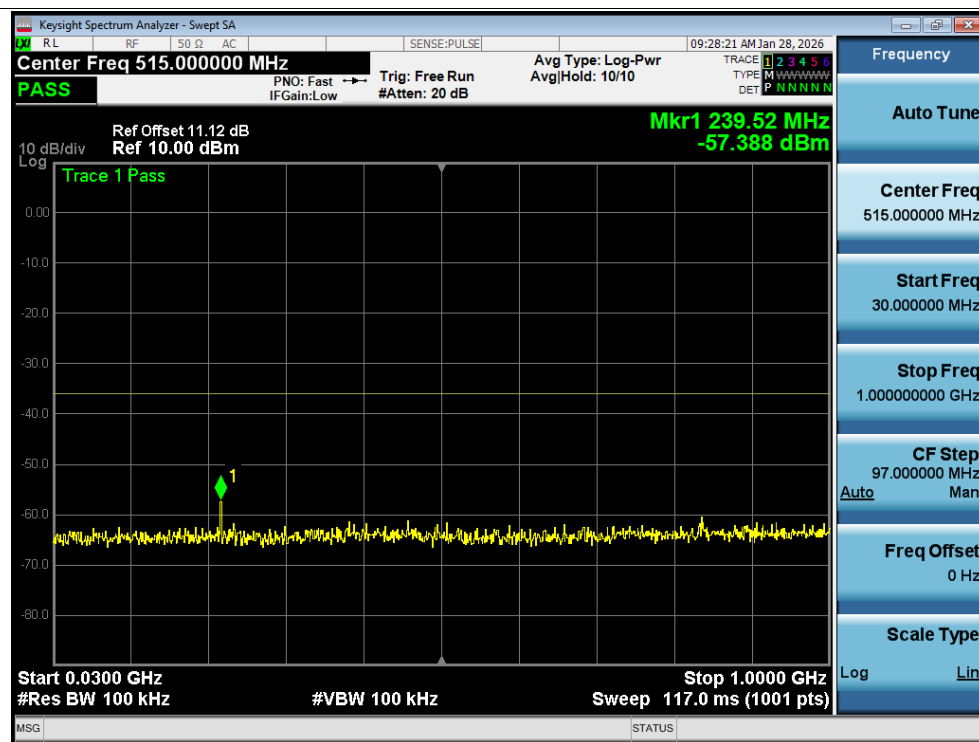
Tx. Spurious NVNT b 2412MHz Ant1 @ 2483.5MHz-2496.5MHz



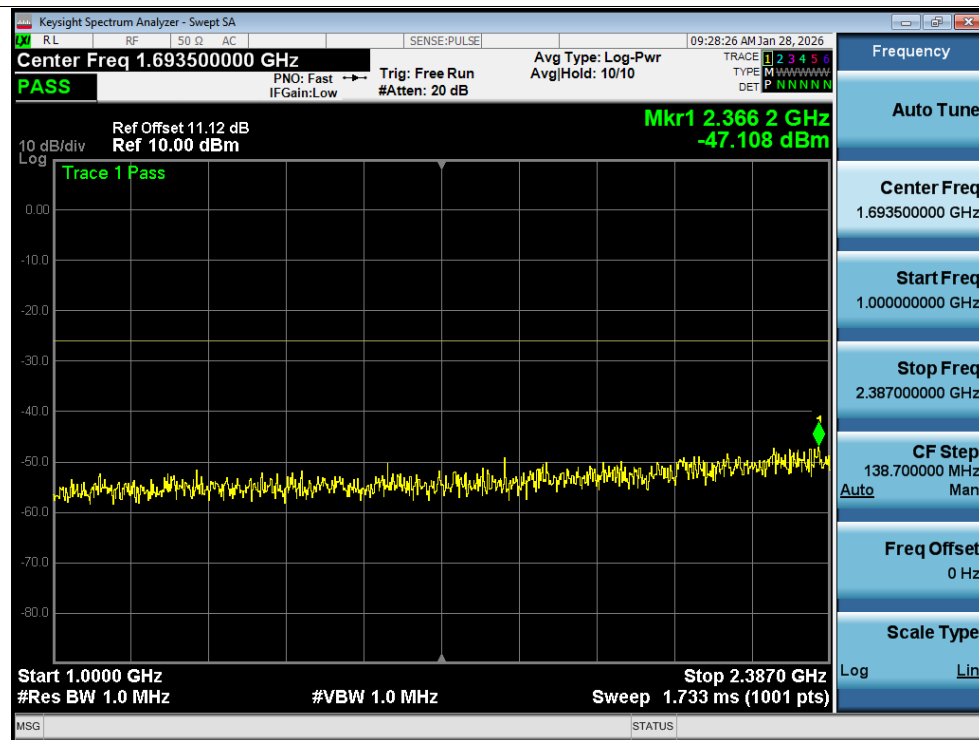
Tx. Spurious NVNT b 2412MHz Ant1 @ 2496.5MHz-13000MHz



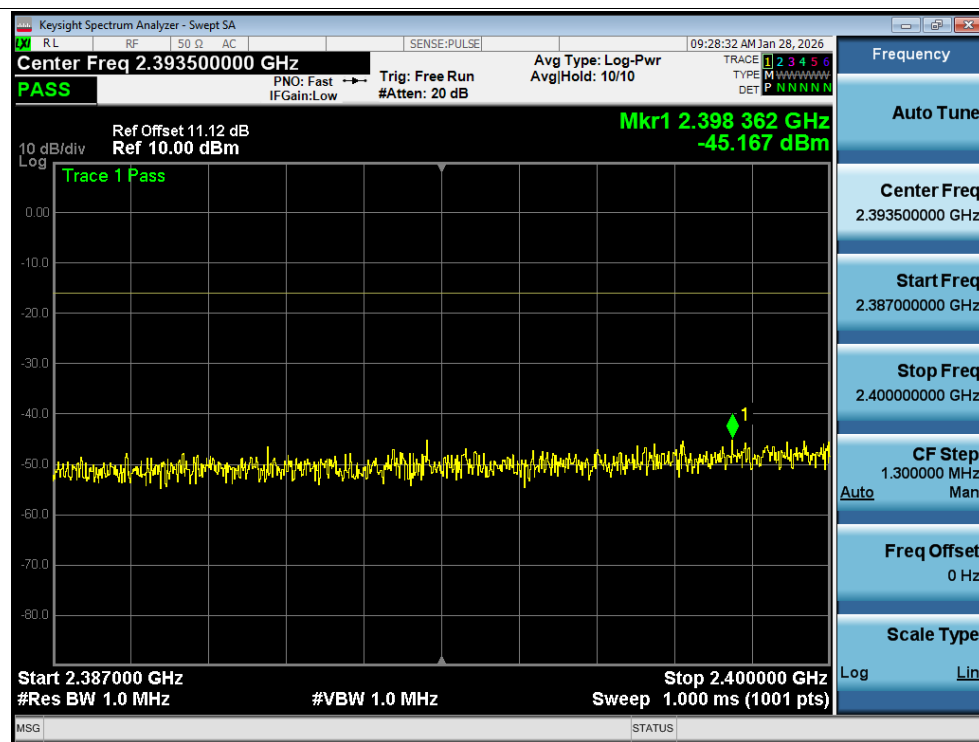
Tx. Spurious NVNT b 2442MHz Ant1 @ 30MHz-1000MHz



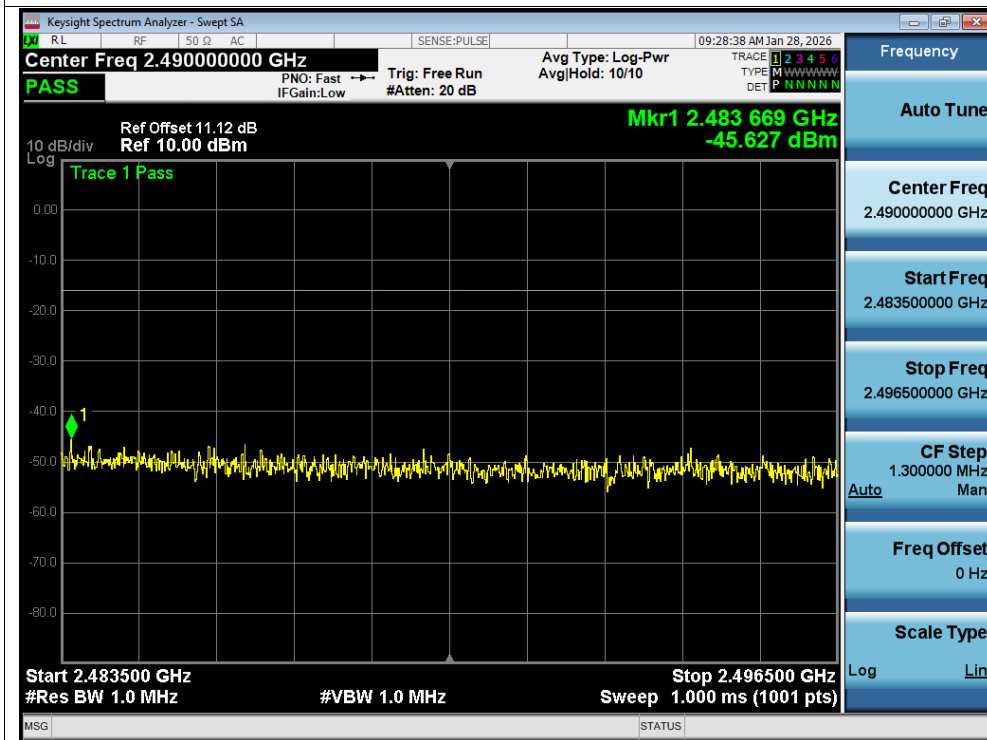
Tx. Spurious NVNT b 2442MHz Ant1 @ 1000MHz-2387MHz



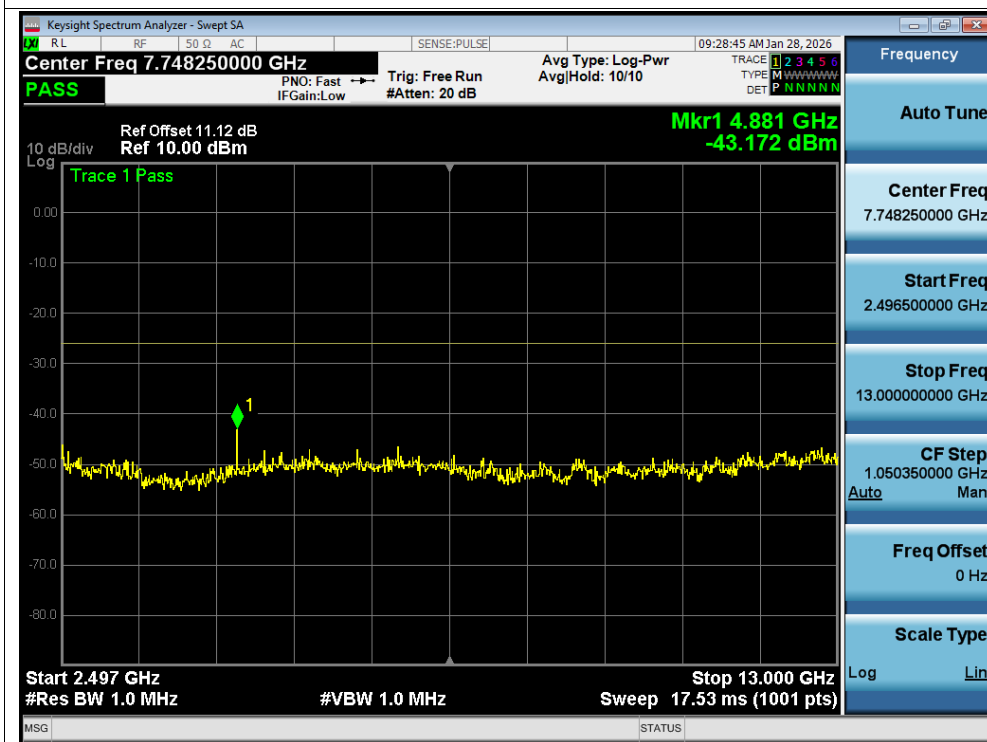
Tx. Spurious NVNT b 2442MHz Ant1 @ 2387MHz-2400MHz



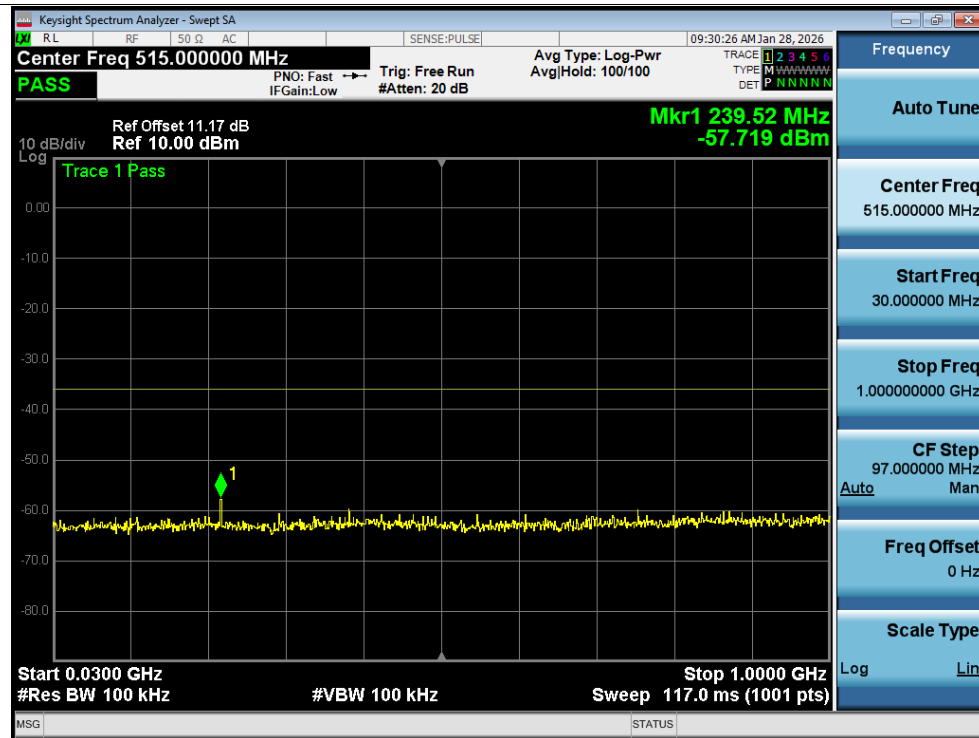
Tx. Spurious NVNT b 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



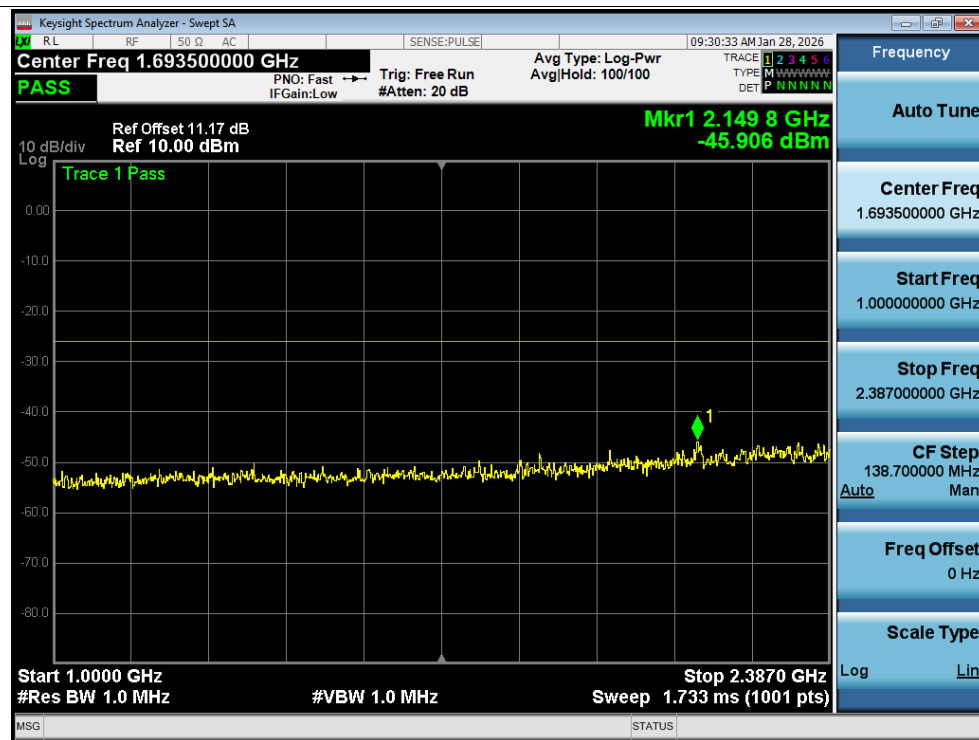
Tx. Spurious NVNT b 2442MHz Ant1 @ 2496.5MHz-13000MHz



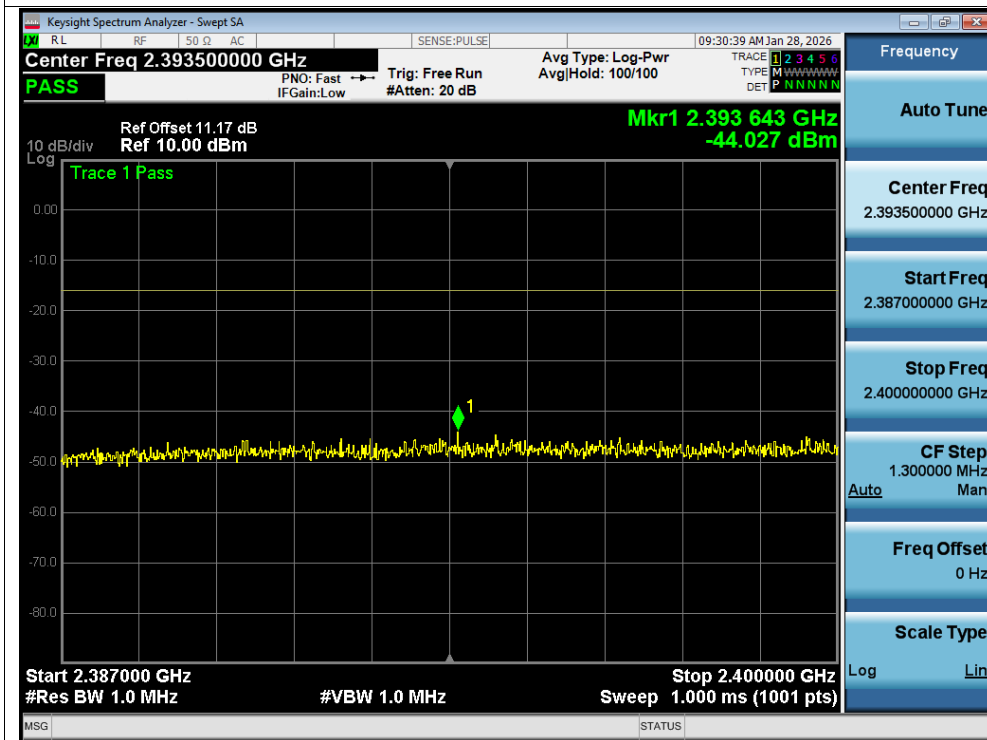
Tx. Spurious NVNT b 2472MHz Ant1 @ 30MHz-1000MHz



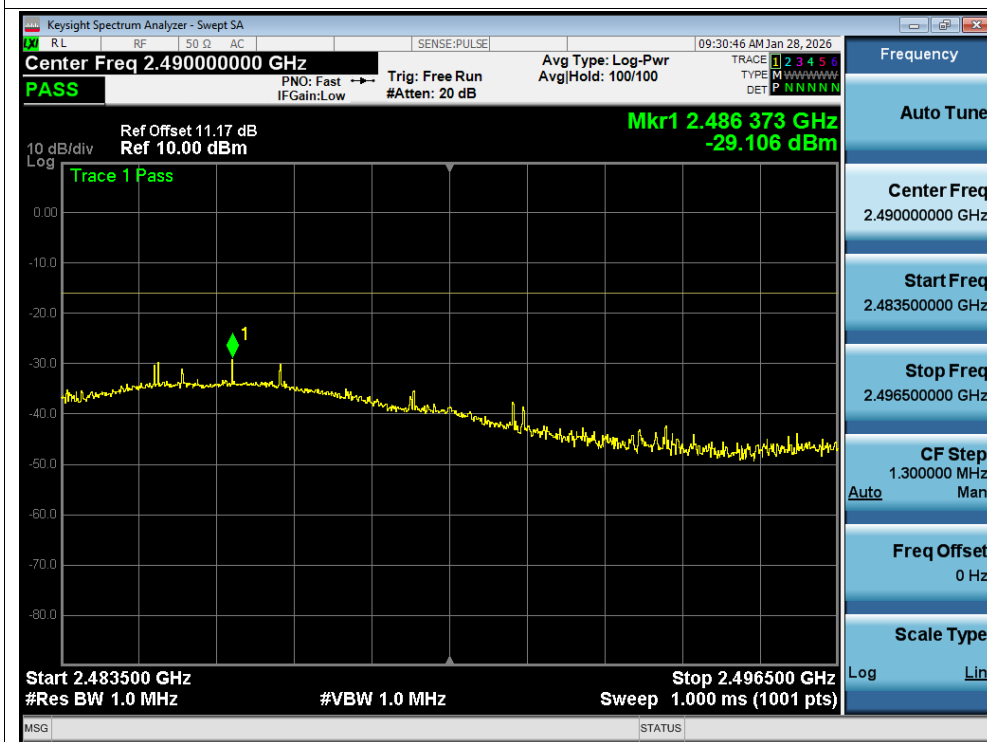
Tx. Spurious NVNT b 2472MHz Ant1 @ 1000MHz-2387MHz



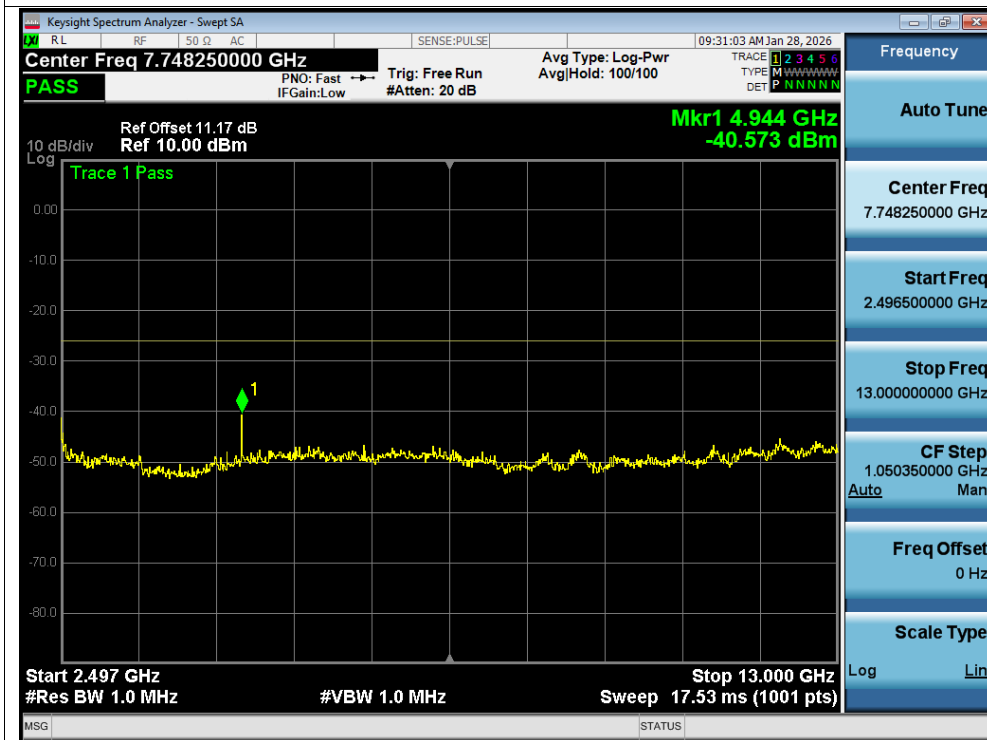
Tx. Spurious NVNT b 2472MHz Ant1 @ 2387MHz-2400MHz



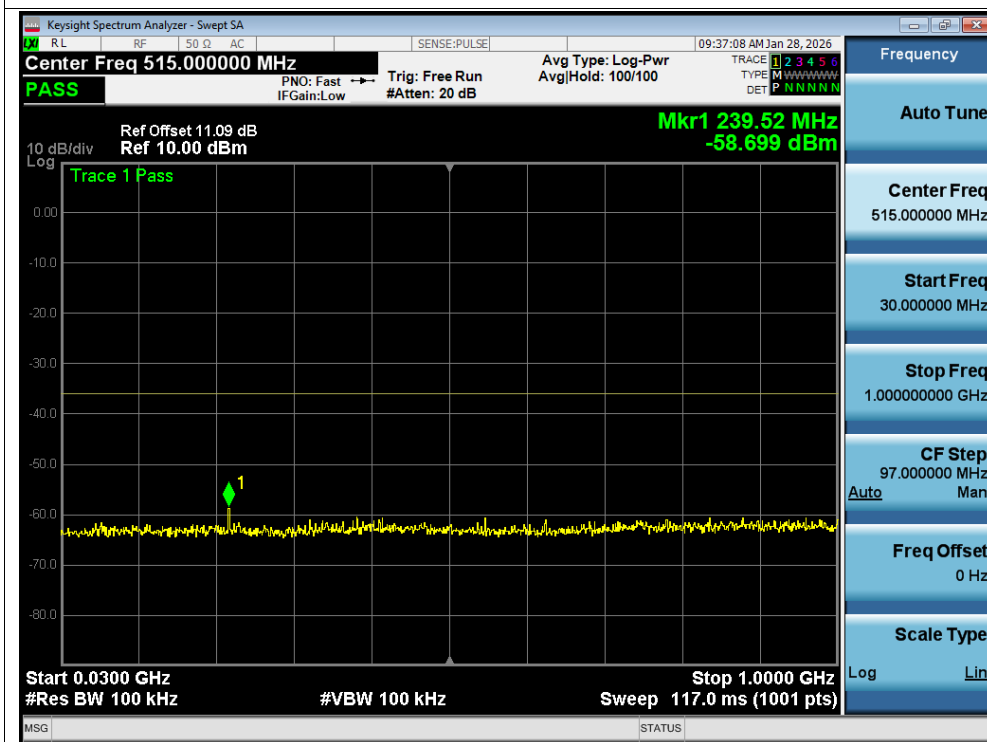
Tx. Spurious NVNT b 2472MHz Ant1 @ 2483.5MHz-2496.5MHz



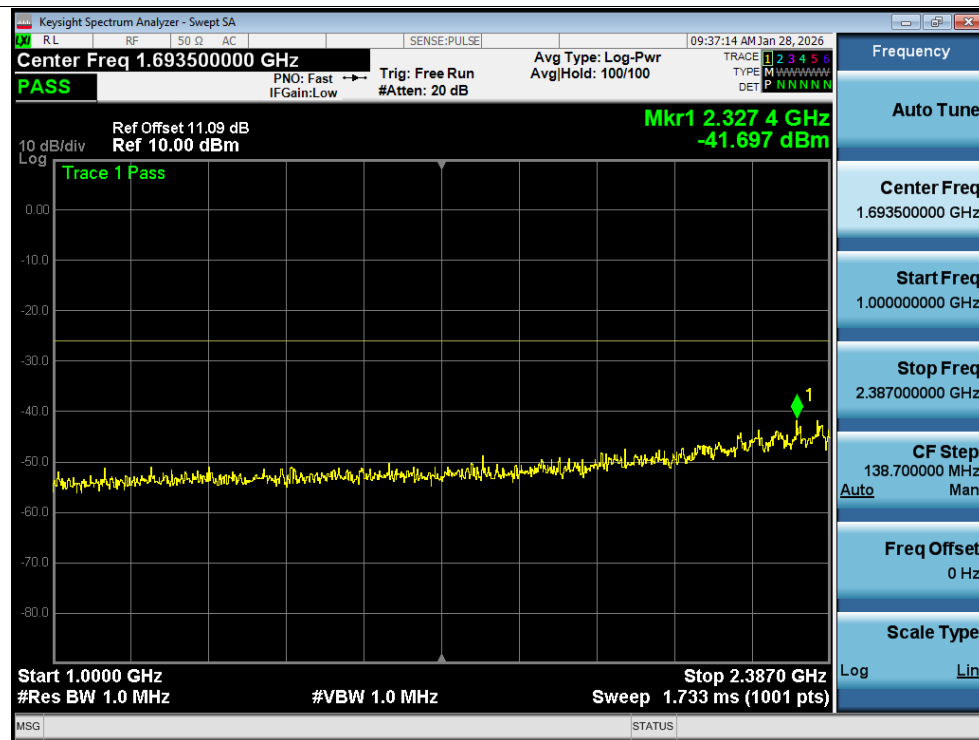
Tx. Spurious NVNT b 2472MHz Ant1 @ 2496.5MHz-13000MHz



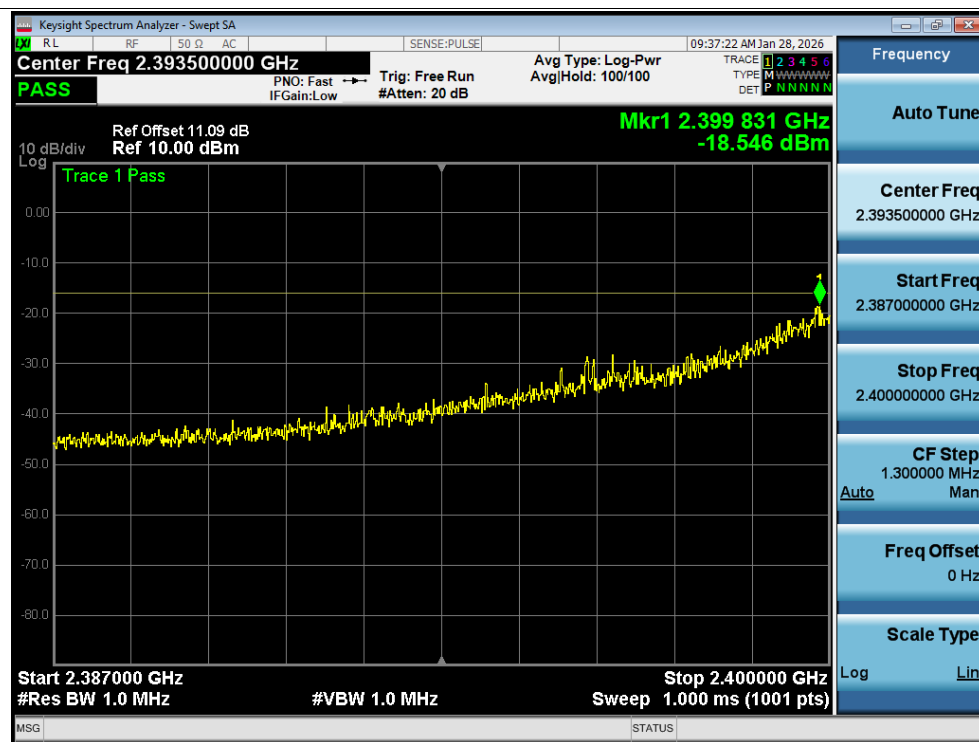
Tx. Spurious NVNT g 2412MHz Ant1 @ 30MHz-1000MHz



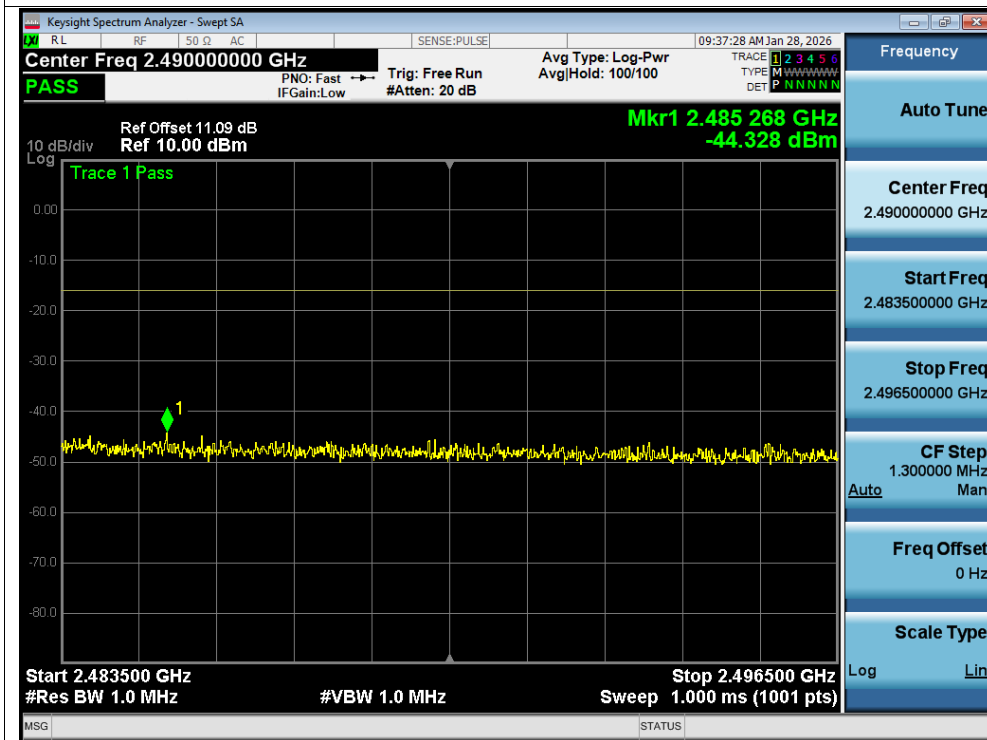
Tx. Spurious NVNT g 2412MHz Ant1 @ 1000MHz-2387MHz



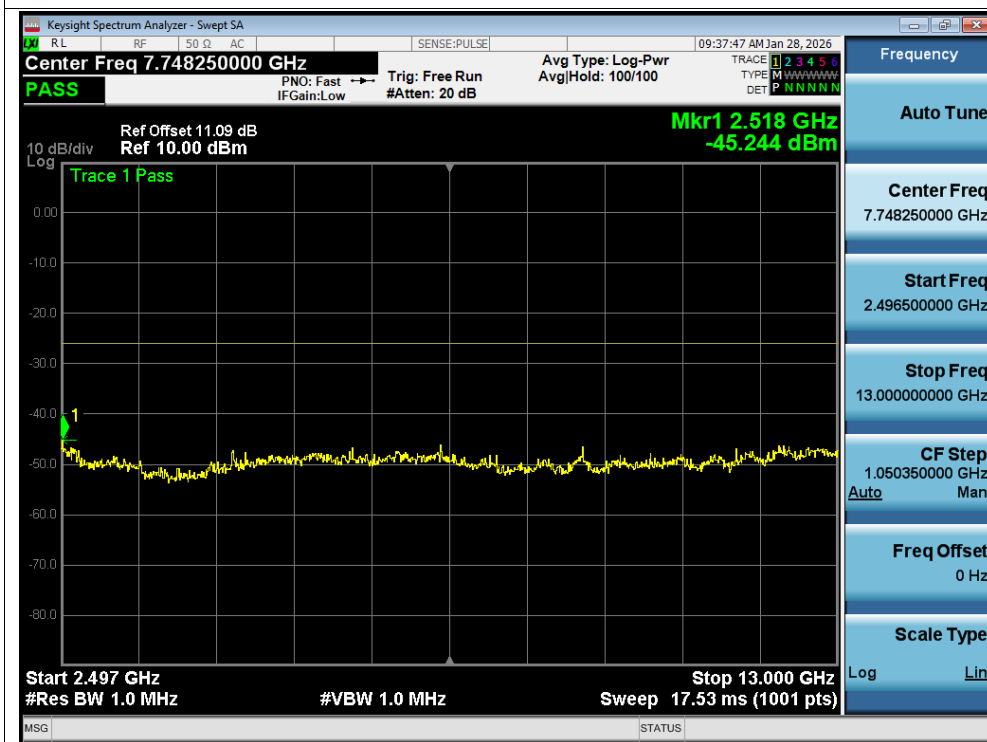
Tx. Spurious NVNT g 2412MHz Ant1 @ 2387MHz-2400MHz



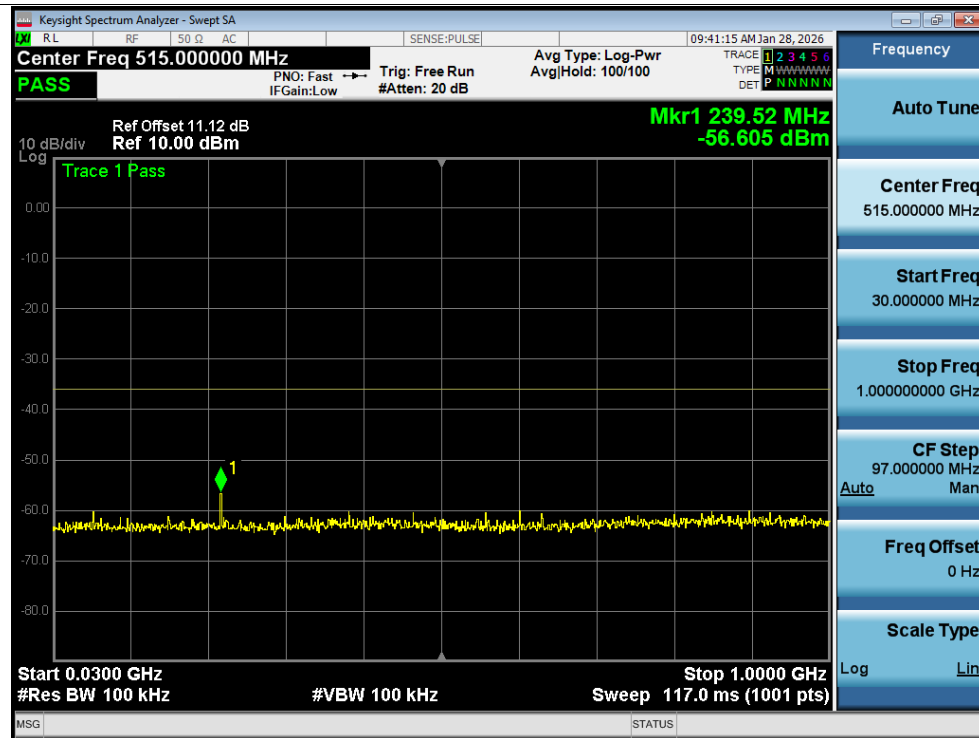
Tx. Spurious NVNT g 2412MHz Ant1 @ 2483.5MHz-2496.5MHz



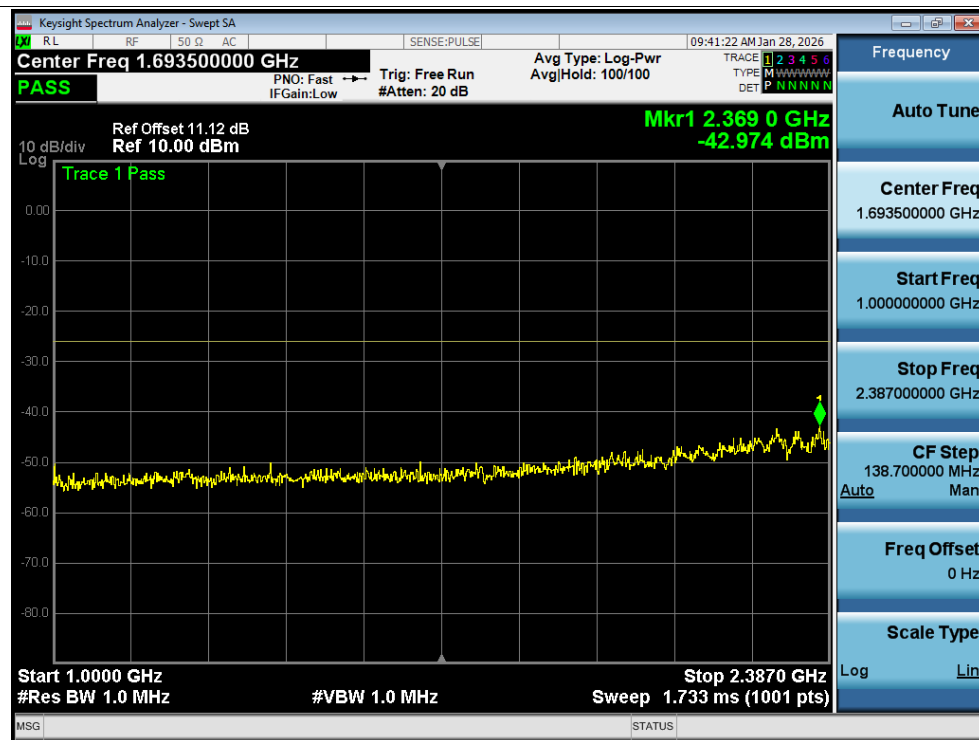
Tx. Spurious NVNT g 2412MHz Ant1 @ 2496.5MHz-13000MHz



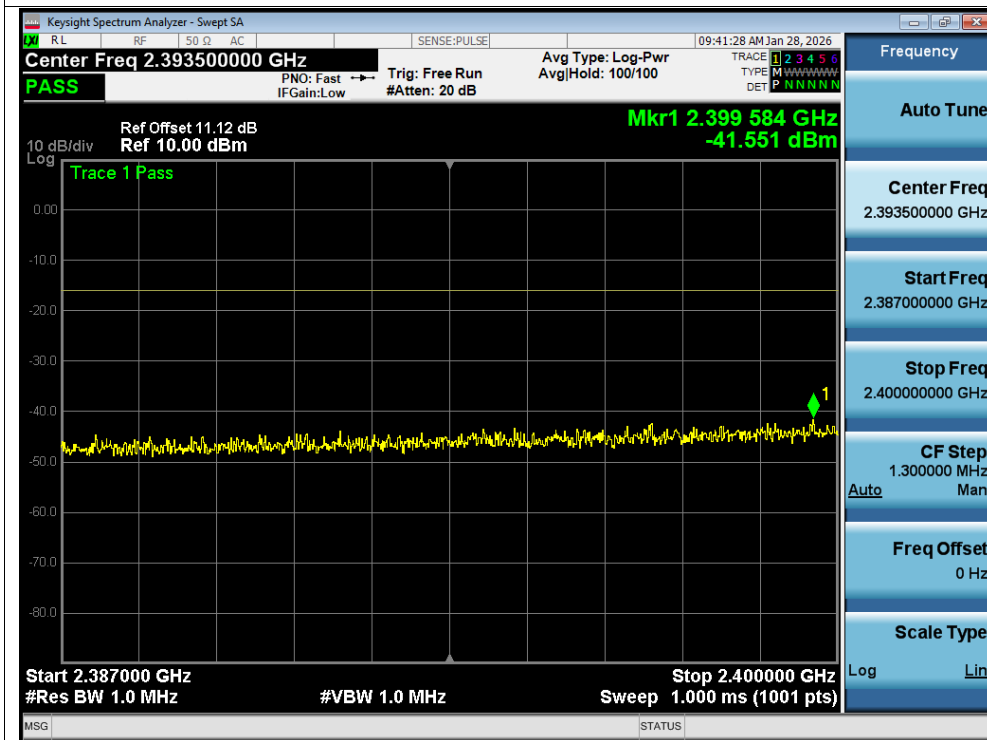
Tx. Spurious NVNT g 2442MHz Ant1 @ 30MHz-1000MHz



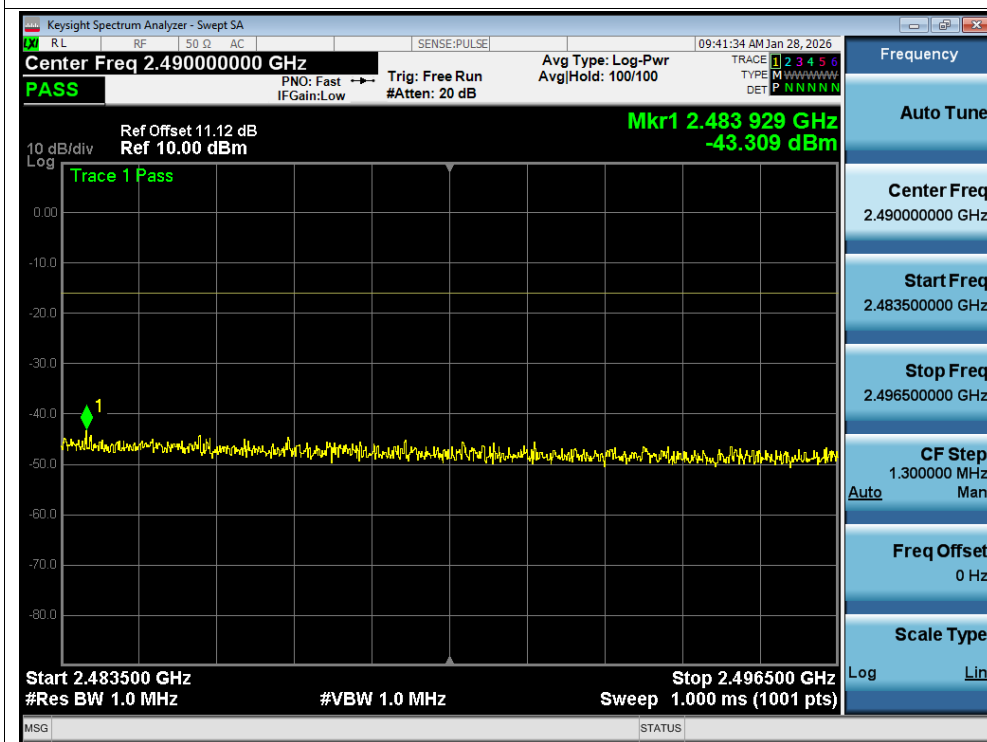
Tx. Spurious NVNT g 2442MHz Ant1 @ 1000MHz-2387MHz



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



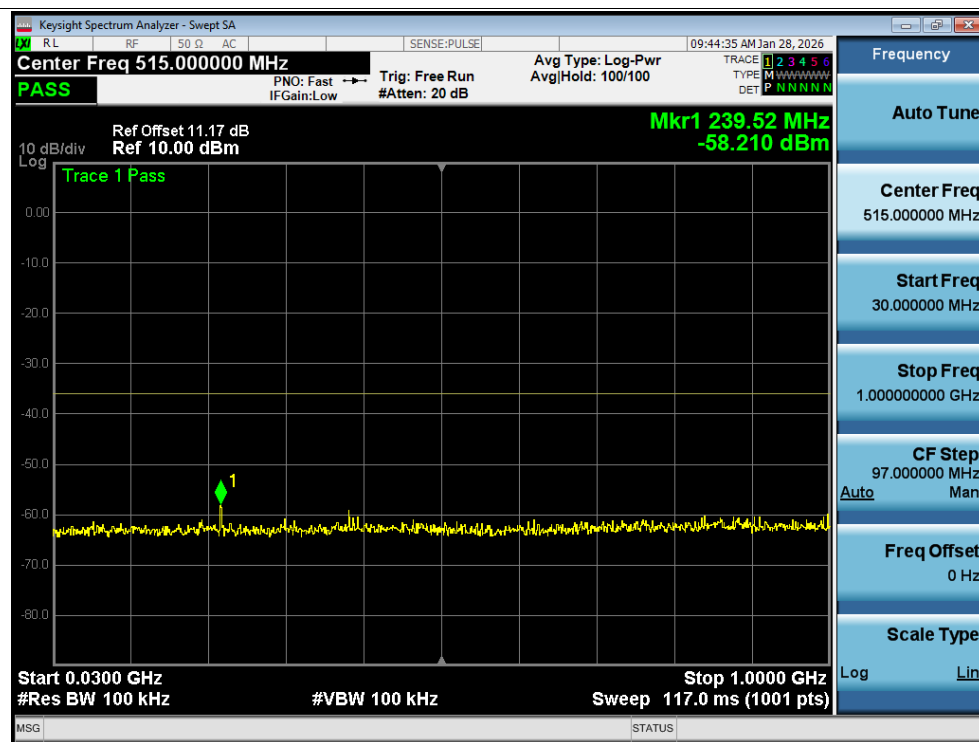
Tx. Spurious NVNT g 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



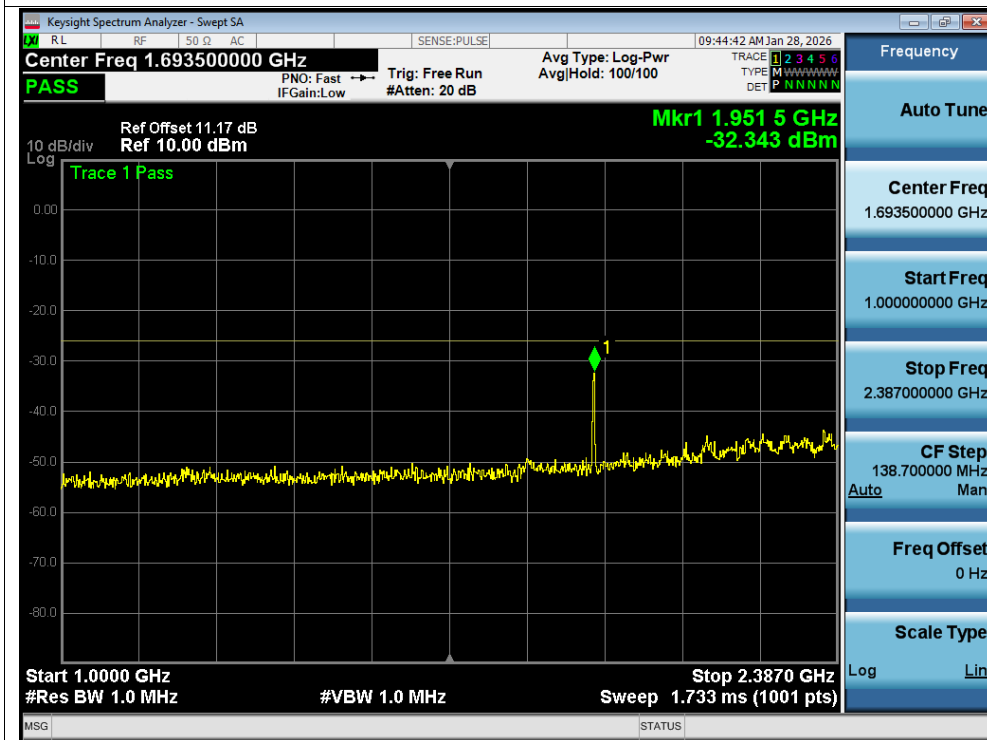
Tx. Spurious NVNT g 2442MHz Ant1 @ 2496.5MHz-13000MHz



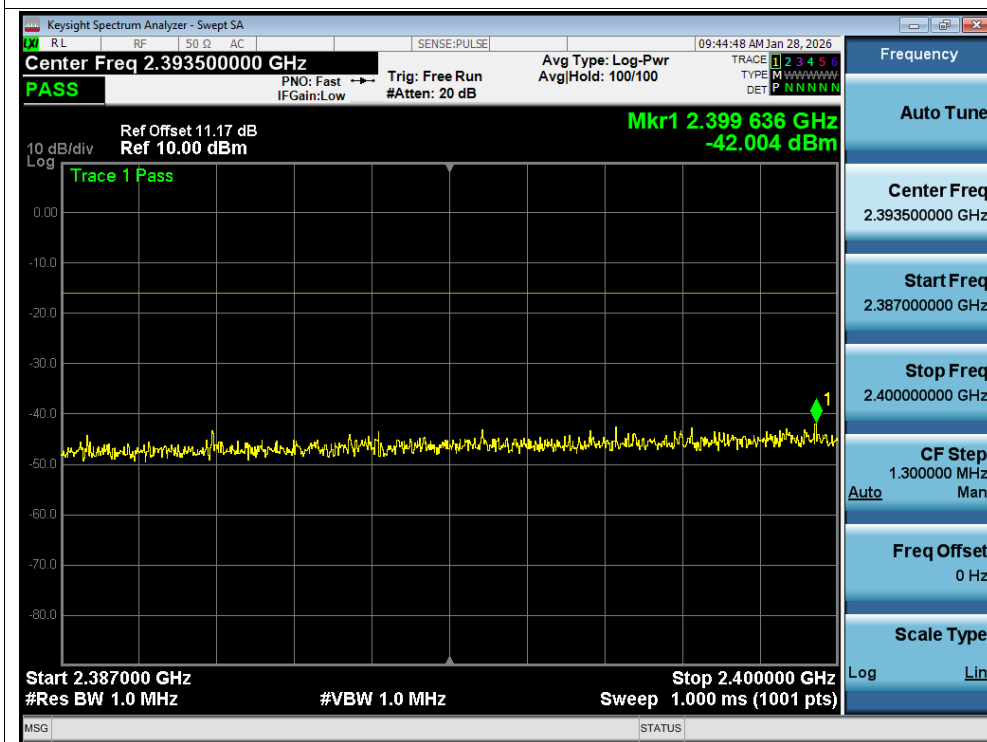
Tx. Spurious NVNT g 2472MHz Ant1 @ 30MHz-1000MHz



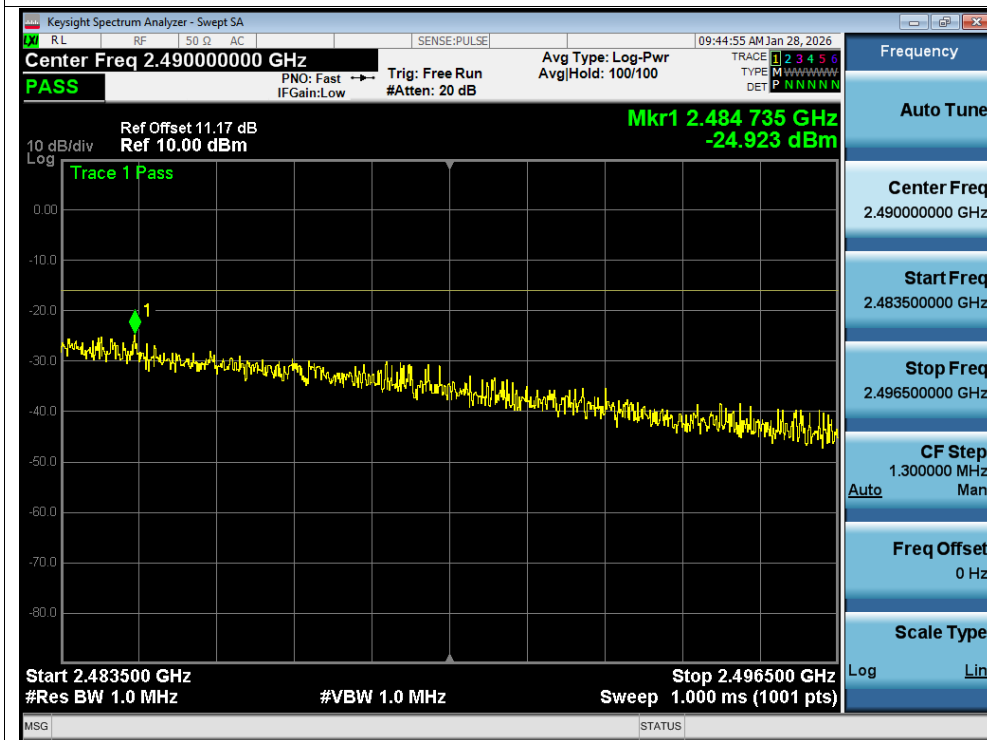
Tx. Spurious NVNT g 2472MHz Ant1 @ 1000MHz-2387MHz



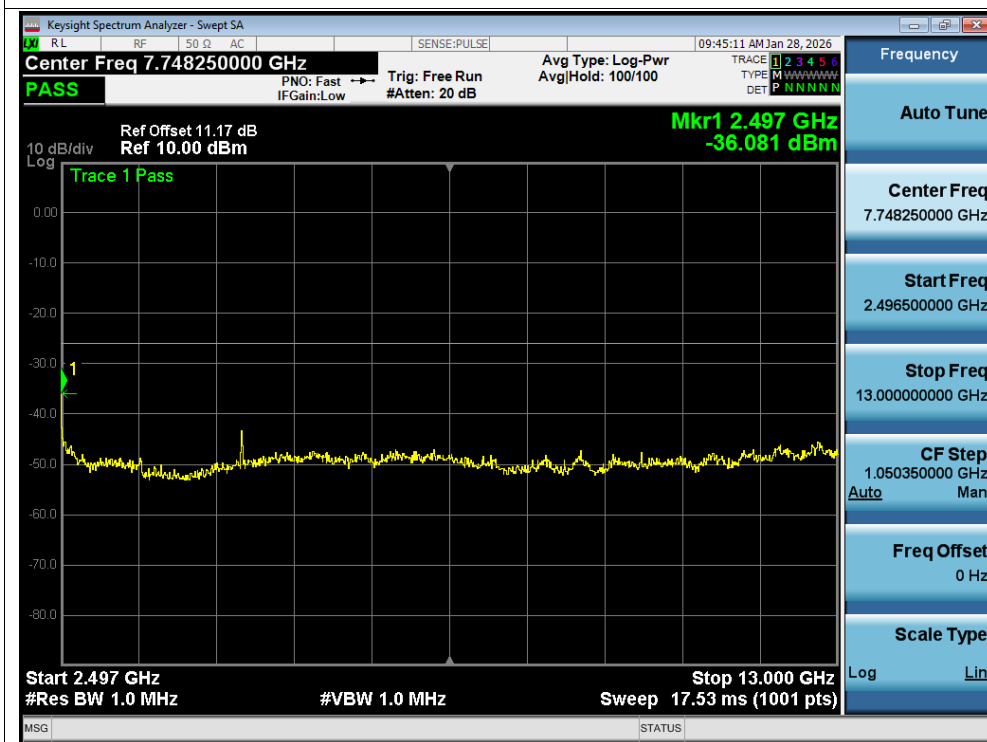
Tx. Spurious NVNT g 2472MHz Ant1 @ 2387MHz-2400MHz



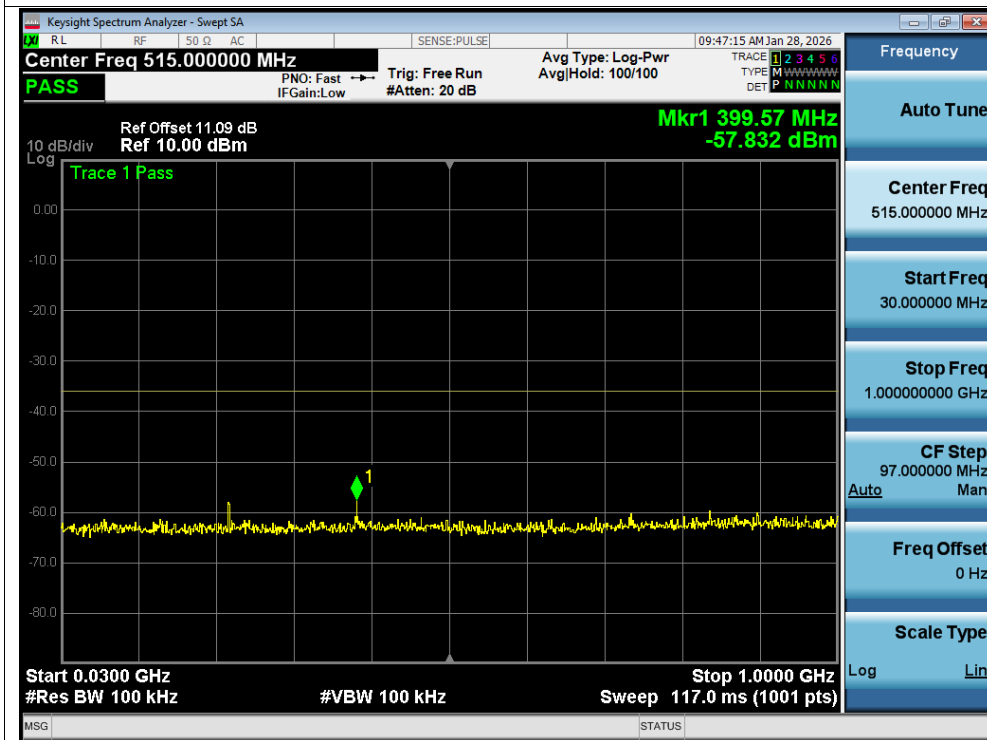
Tx. Spurious NVNT g 2472MHz Ant1 @ 2483.5MHz-2496.5MHz



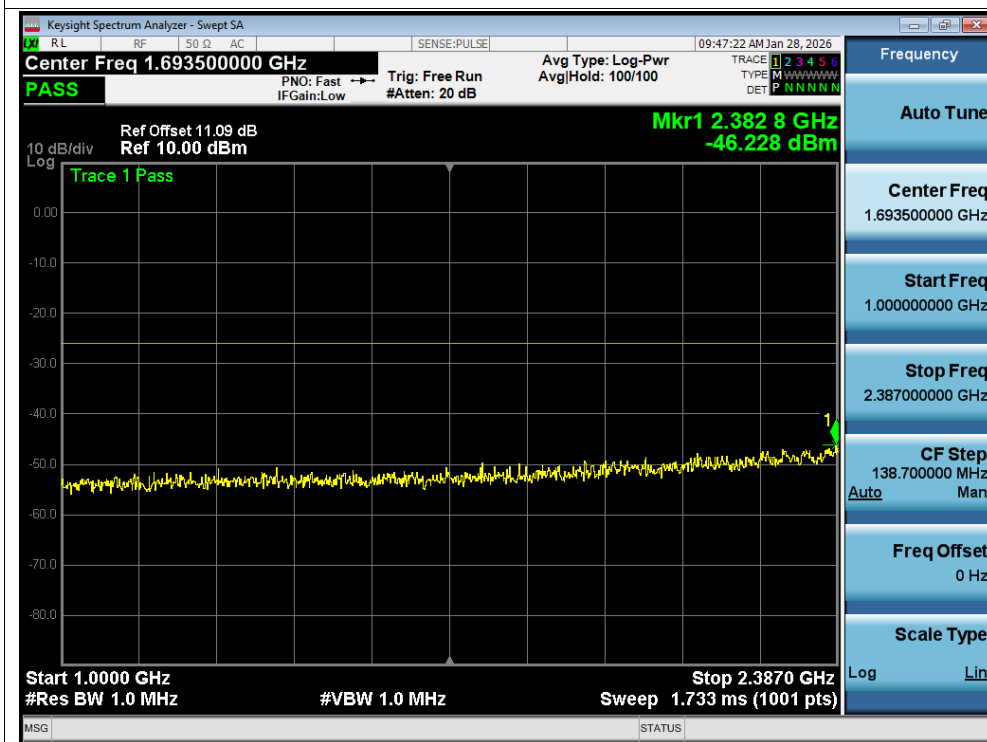
Tx. Spurious NVNT g 2472MHz Ant1 @ 2496.5MHz-13000MHz



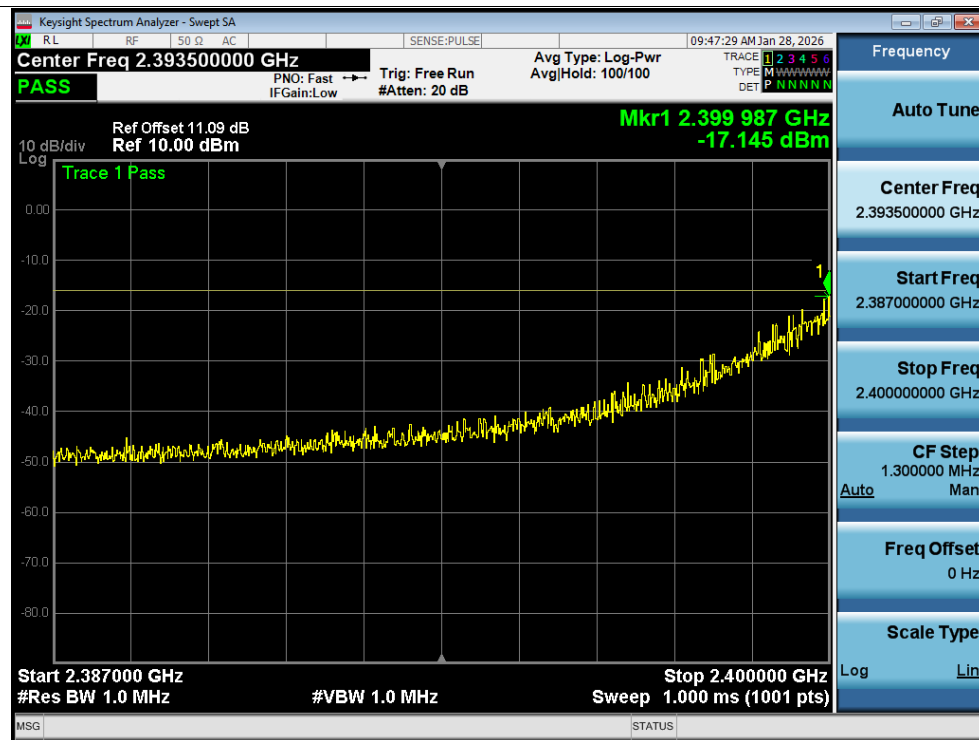
Tx. Spurious NVNT n20 2412MHz Ant1 @ 30MHz-1000MHz



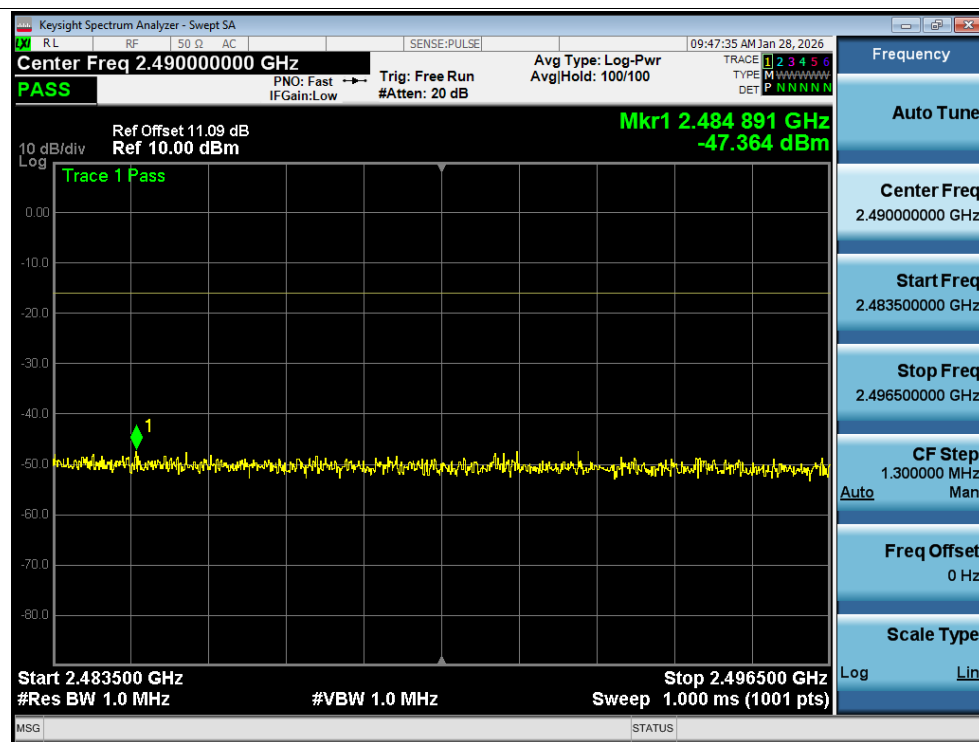
Tx. Spurious NVNT n20 2412MHz Ant1 @ 1000MHz-2387MHz



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



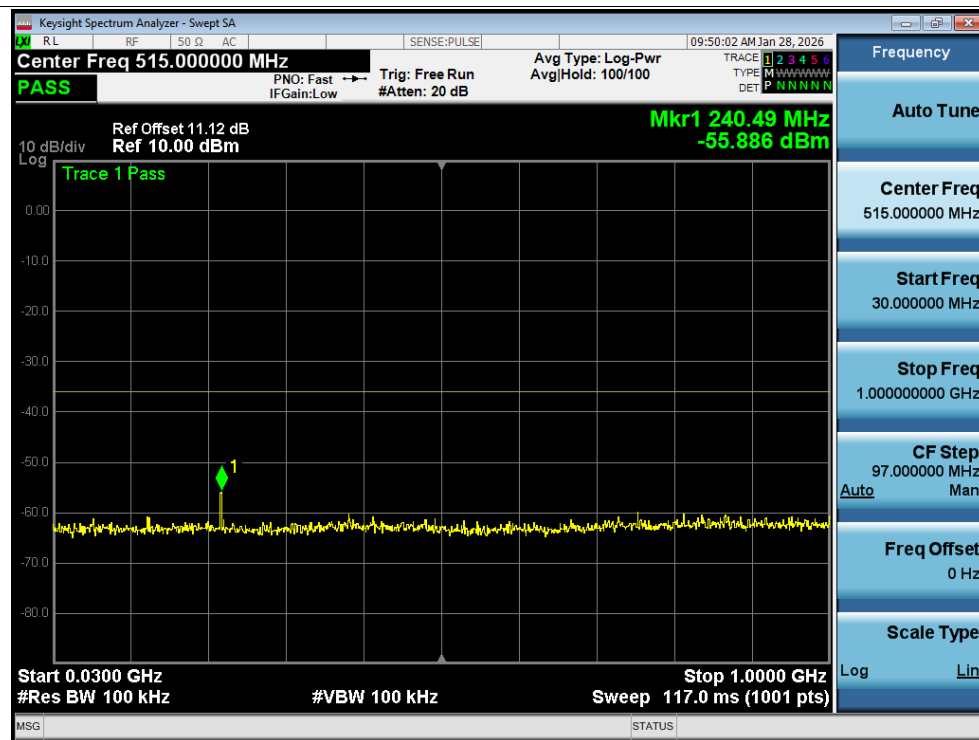
Tx. Spurious NVNT n20 2412MHz Ant1 @ 2483.5MHz-2496.5MHz



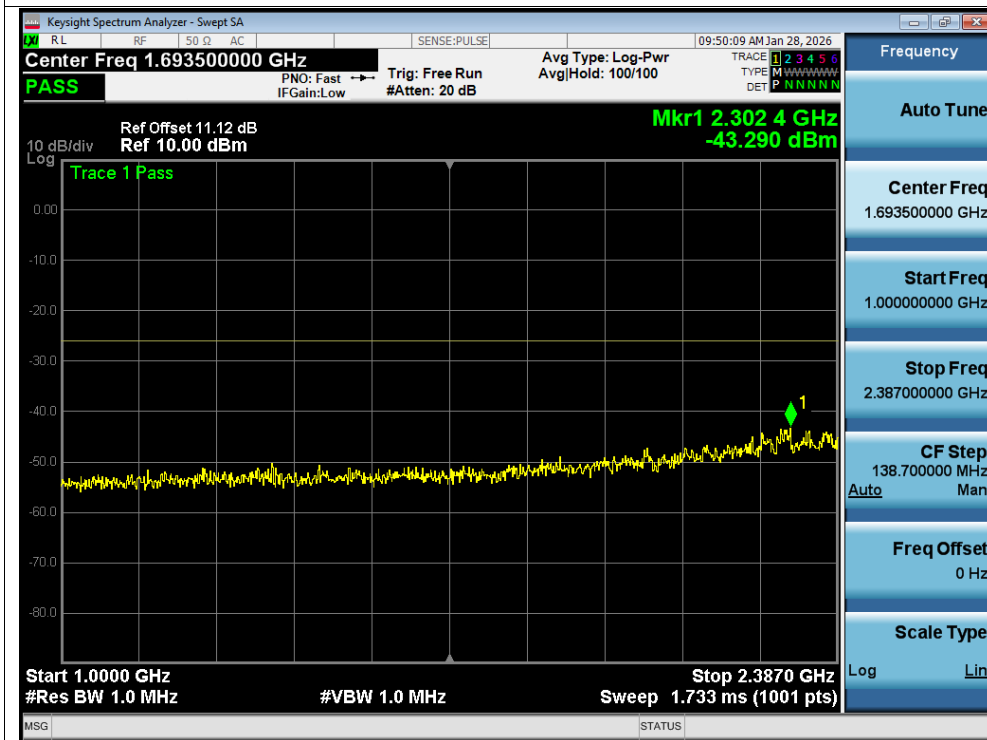
Tx. Spurious NVNT n20 2412MHz Ant1 @ 2496.5MHz-13000MHz



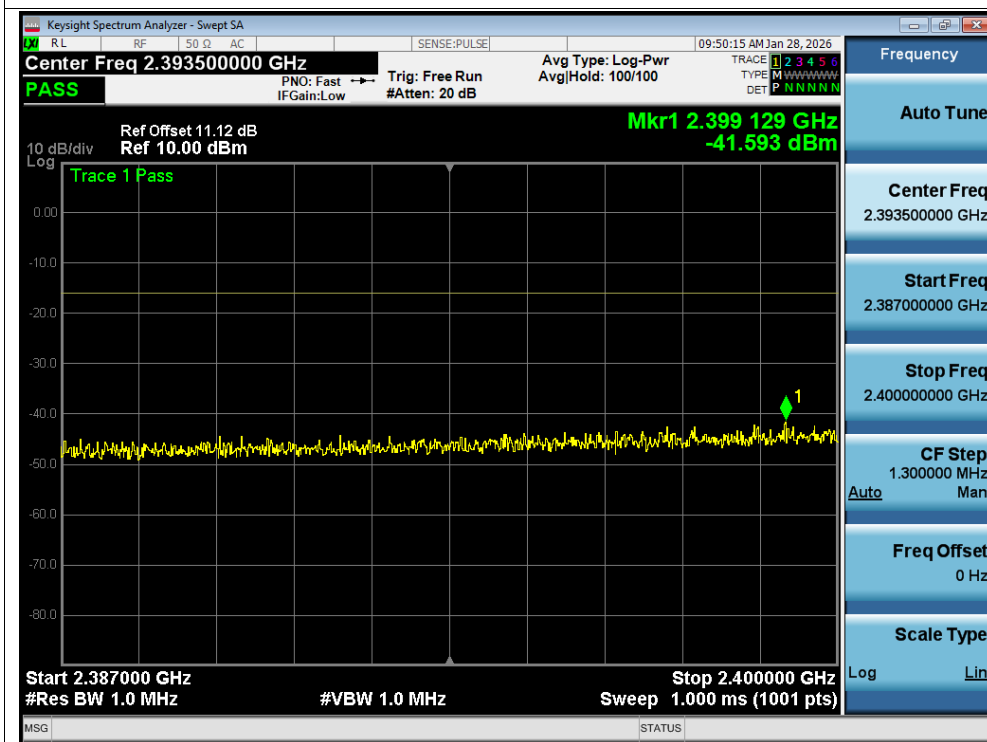
Tx. Spurious NVNT n20 2442MHz Ant1 @ 30MHz-1000MHz



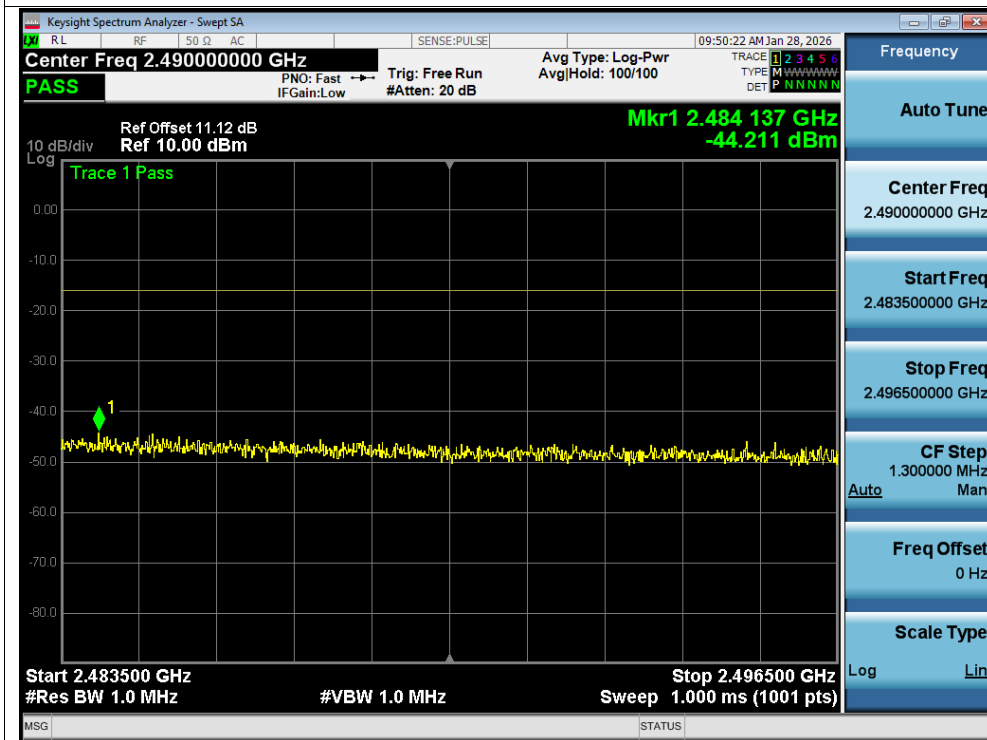
Tx. Spurious NVNT n20 2442MHz Ant1 @ 1000MHz-2387MHz



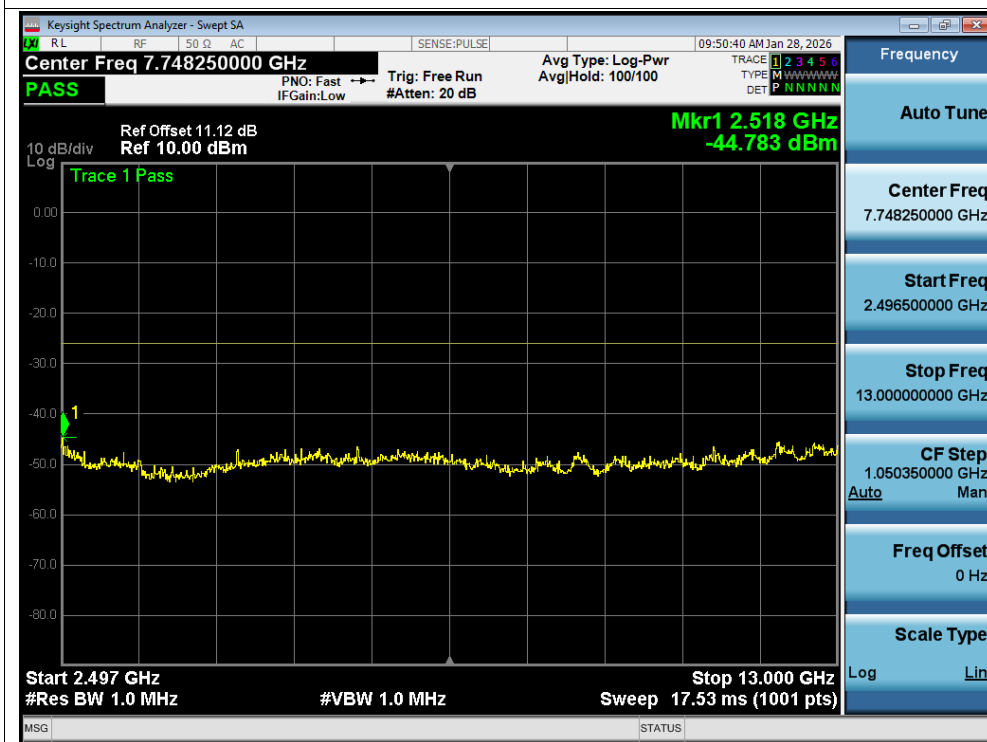
Tx. Spurious NVNT n20 2442MHz Ant1 @ 2387MHz-2400MHz



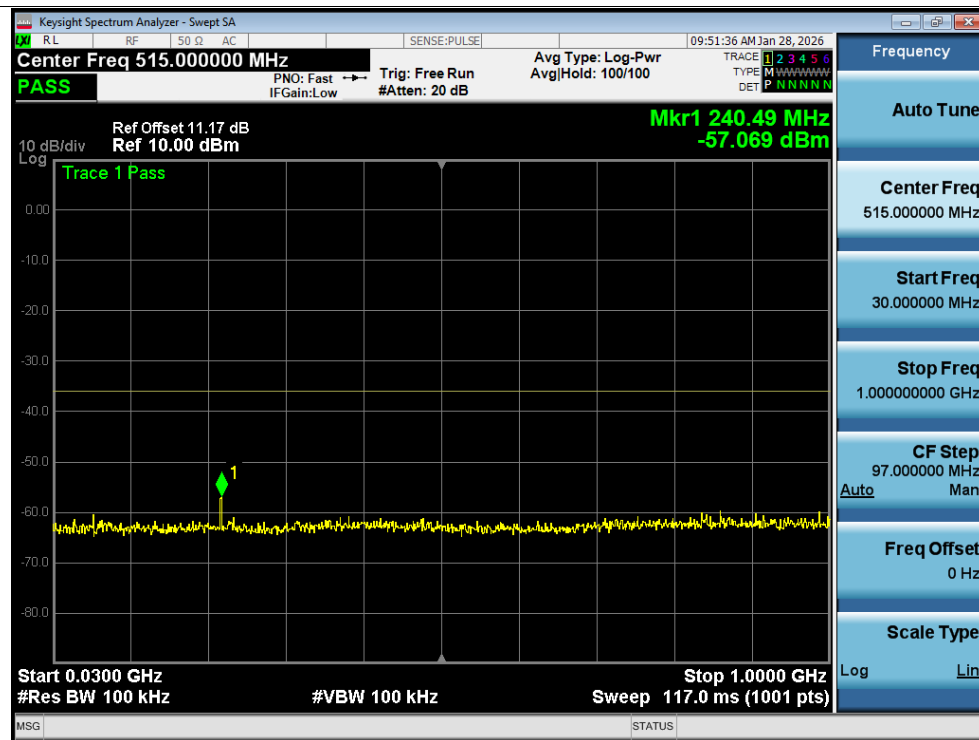
Tx. Spurious NVNT n20 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



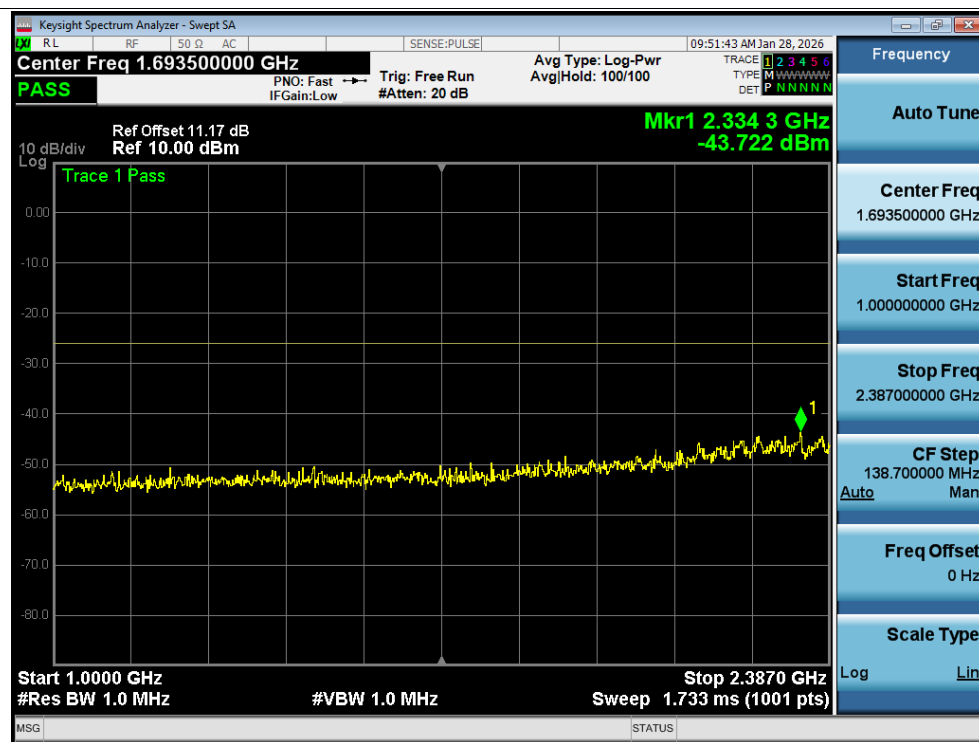
Tx. Spurious NVNT n20 2442MHz Ant1 @ 2496.5MHz-13000MHz



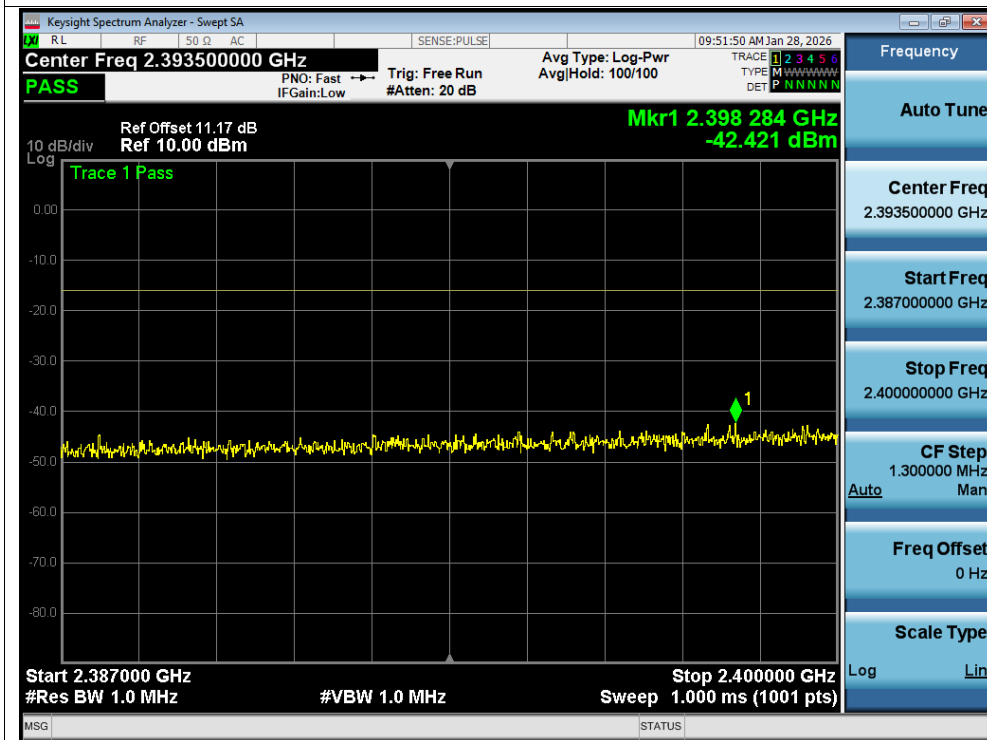
Tx. Spurious NVNT n20 2472MHz Ant1 @ 30MHz-1000MHz



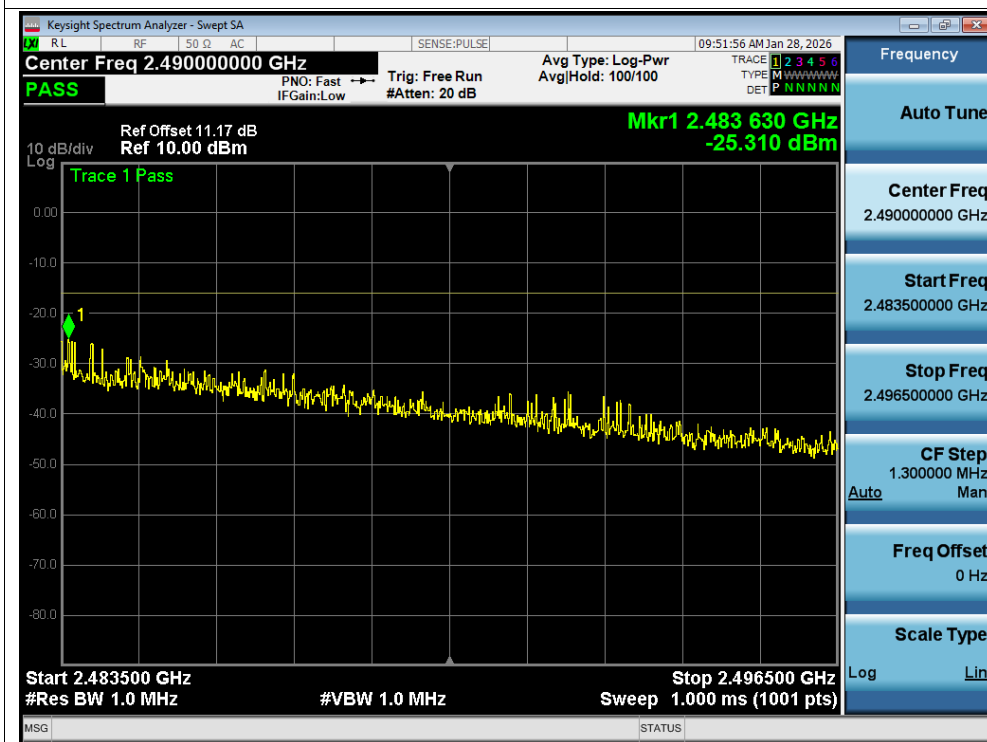
Tx. Spurious NVNT n20 2472MHz Ant1 @ 1000MHz-2387MHz



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



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



Tx. Spurious NVNT n20 2472MHz Ant1 @ 2496.5MHz-13000MHz

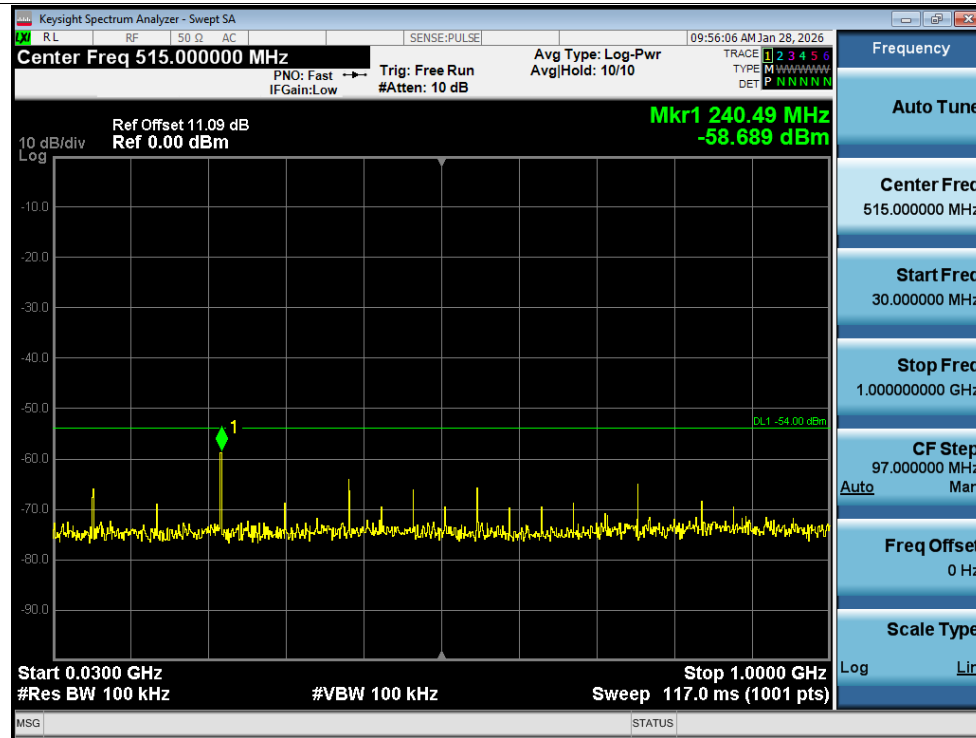


Rx Spurious Emission

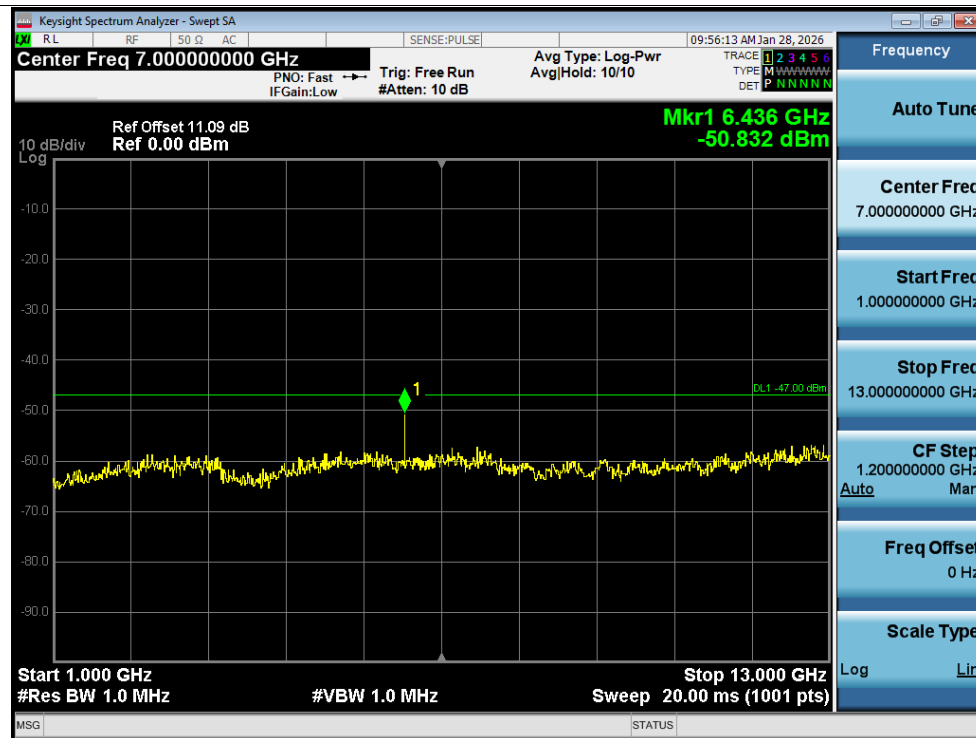
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	30-1000	240.49	-58.69	-54	Pass
NVNT	b	2412	Ant1	1000-13000	6436	-50.83	-47	Pass
NVNT	b	2442	Ant1	30-1000	240.49	-58.15	-54	Pass
NVNT	b	2442	Ant1	1000-13000	6436	-50.36	-47	Pass
NVNT	b	2472	Ant1	30-1000	239.52	-58.77	-54	Pass
NVNT	b	2472	Ant1	1000-13000	6436	-51.25	-47	Pass
NVNT	g	2412	Ant1	30-1000	240.49	-58.34	-54	Pass
NVNT	g	2412	Ant1	1000-13000	6436	-50.73	-47	Pass
NVNT	g	2442	Ant1	30-1000	239.52	-58.21	-54	Pass
NVNT	g	2442	Ant1	1000-13000	6436	-51.2	-47	Pass
NVNT	g	2472	Ant1	30-1000	239.52	-58.18	-54	Pass
NVNT	g	2472	Ant1	1000-13000	6436	-50.61	-47	Pass
NVNT	n20	2412	Ant1	30-1000	240.49	-58.98	-54	Pass
NVNT	n20	2412	Ant1	1000-13000	6436	-50.7	-47	Pass
NVNT	n20	2442	Ant1	30-1000	240.49	-58.62	-54	Pass
NVNT	n20	2442	Ant1	1000-13000	6436	-51	-47	Pass
NVNT	n20	2472	Ant1	30-1000	239.52	-58.53	-54	Pass
NVNT	n20	2472	Ant1	1000-13000	6436	-50.79	-47	Pass

Test Graphs

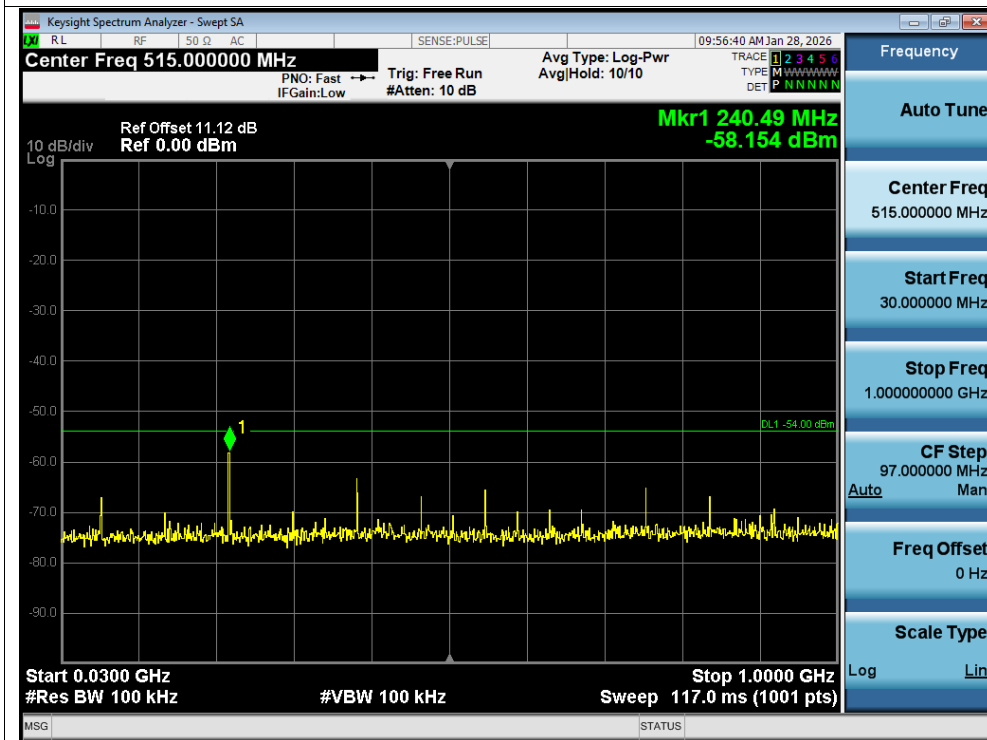
Rx. Spurious NVNT b 2412MHz Ant1 @ 30MHz-1000MHz



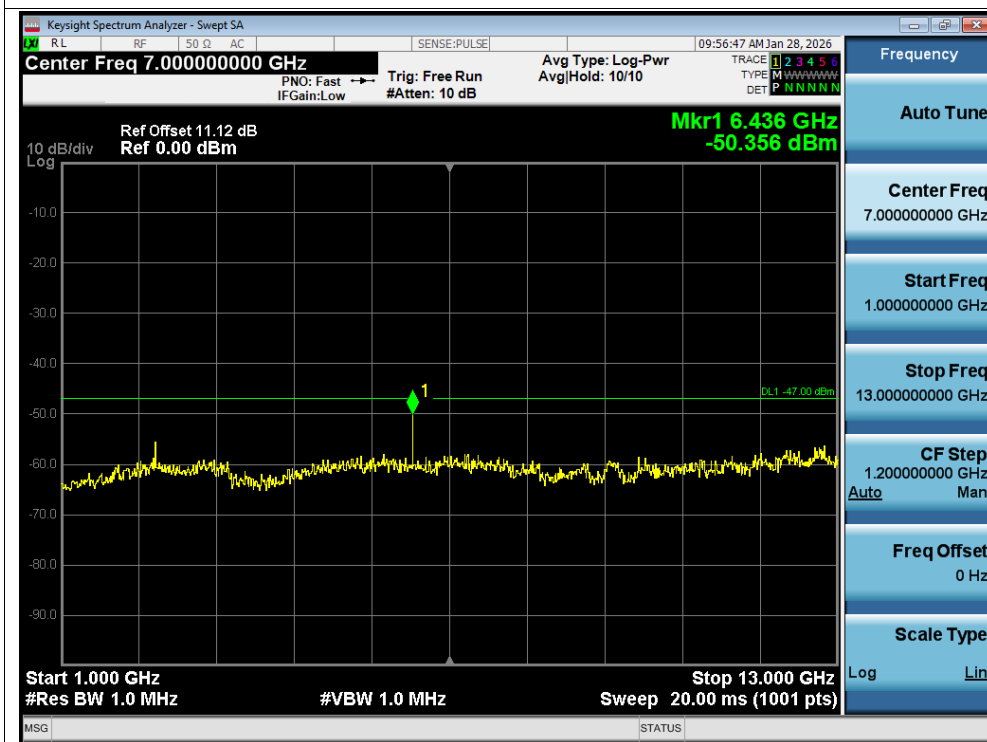
Rx. Spurious NVNT b 2412MHz Ant1 @ 1000MHz-13000MHz



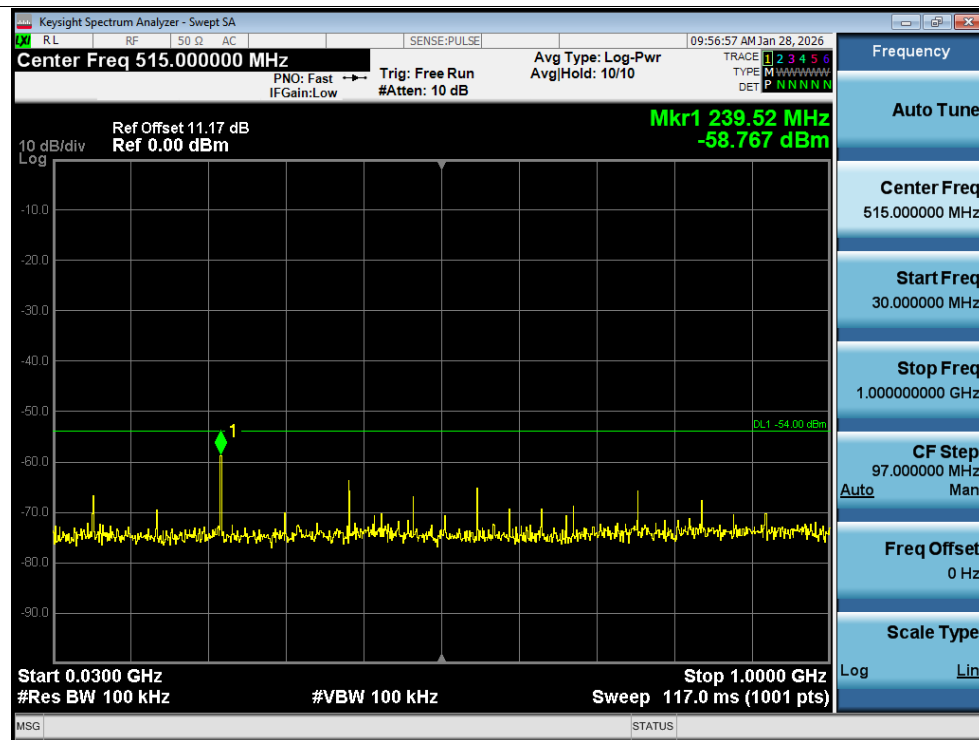
Rx. Spurious NVNT b 2442MHz Ant1 @ 30MHz-1000MHz



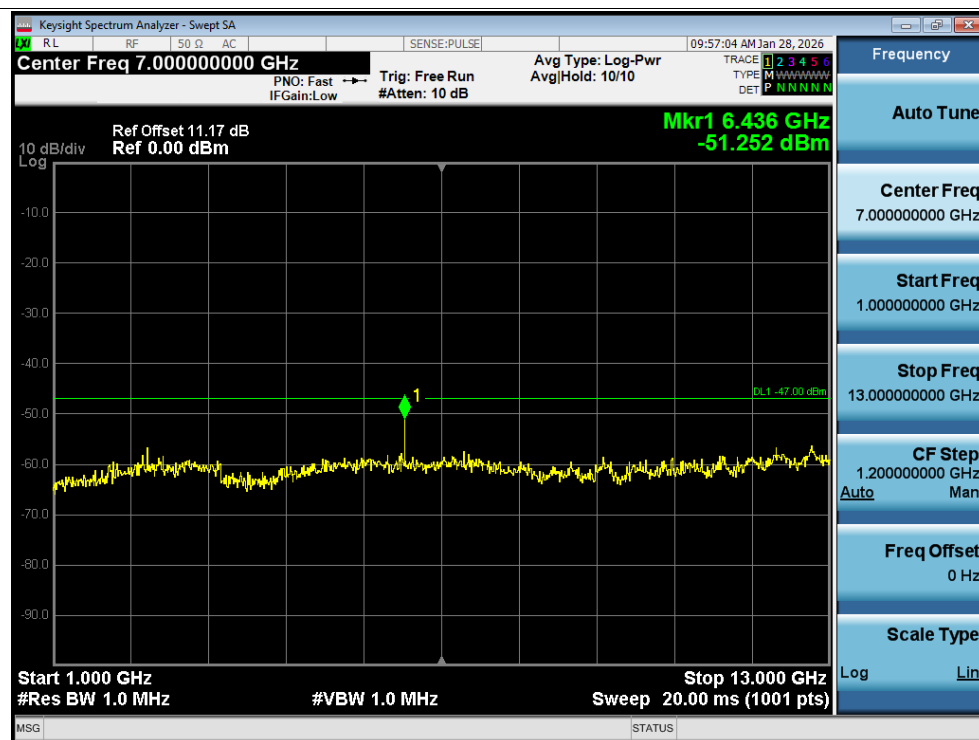
Rx. Spurious NVNT b 2442MHz Ant1 @ 1000MHz-13000MHz



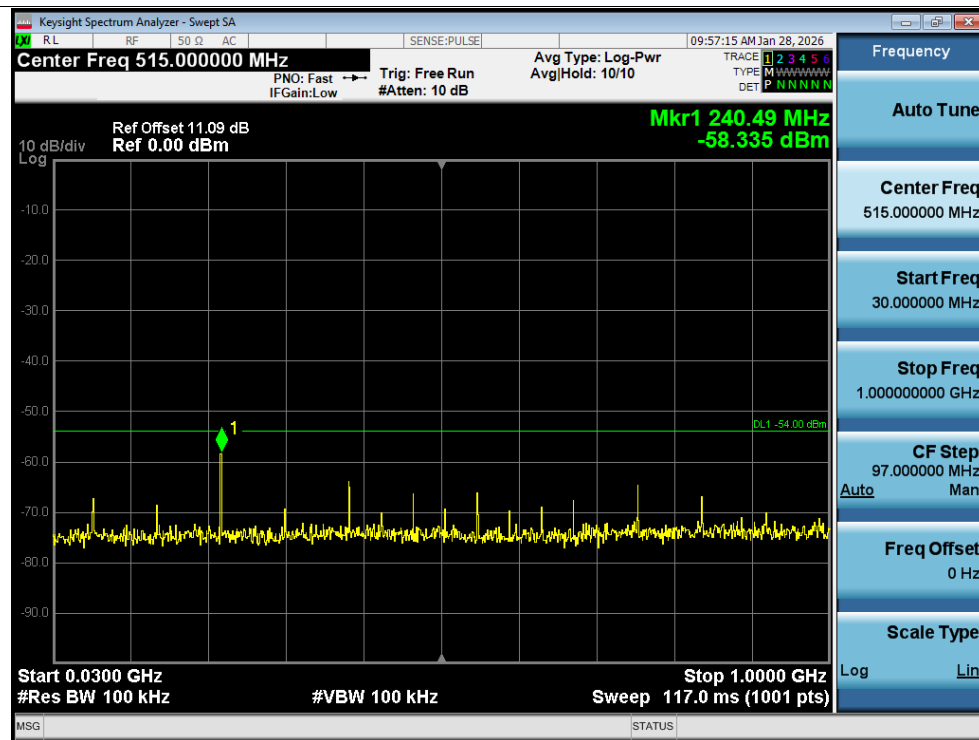
Rx. Spurious NVNT b 2472MHz Ant1 @ 30MHz-1000MHz



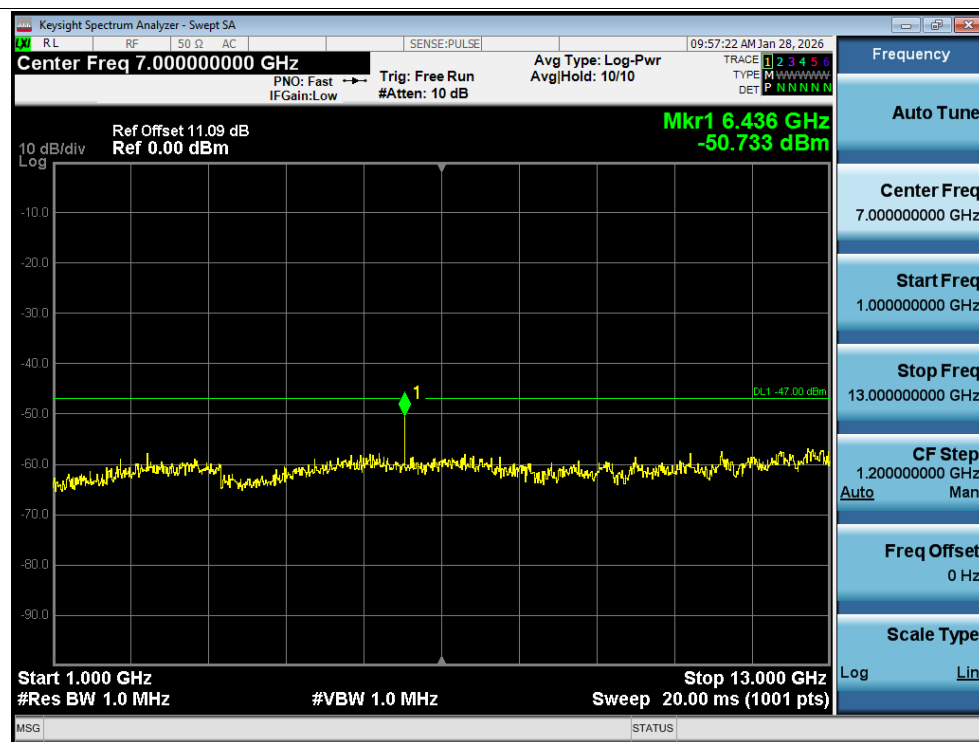
Rx. Spurious NVNT b 2472MHz Ant1 @ 1000MHz-13000MHz



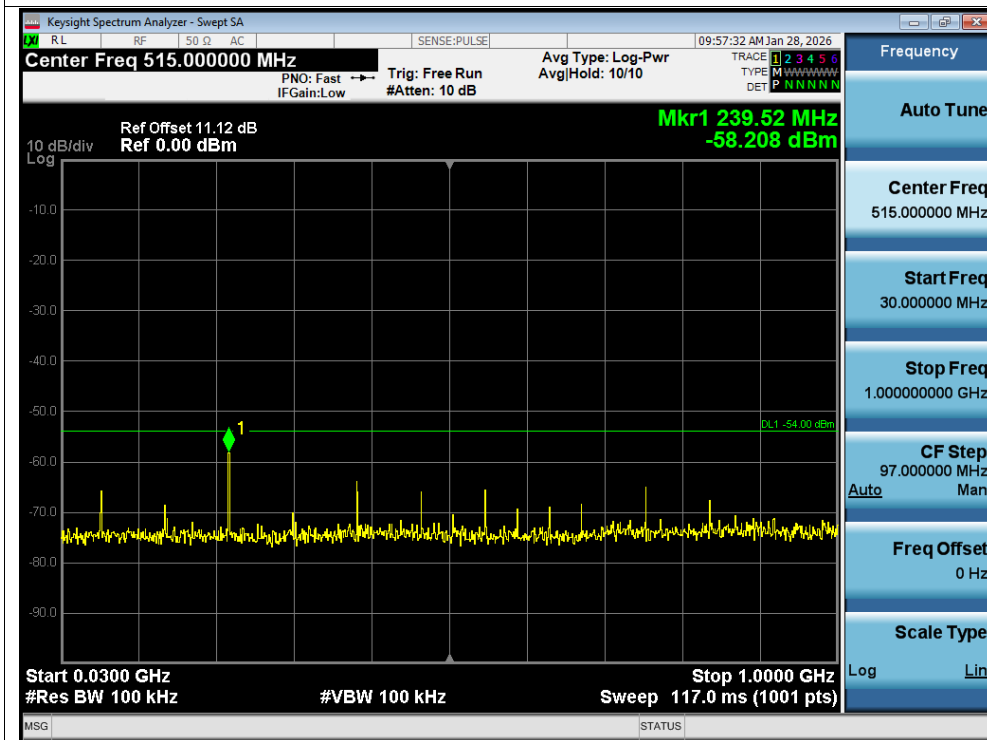
Rx. Spurious NVNT g 2412MHz Ant1 @ 30MHz-1000MHz



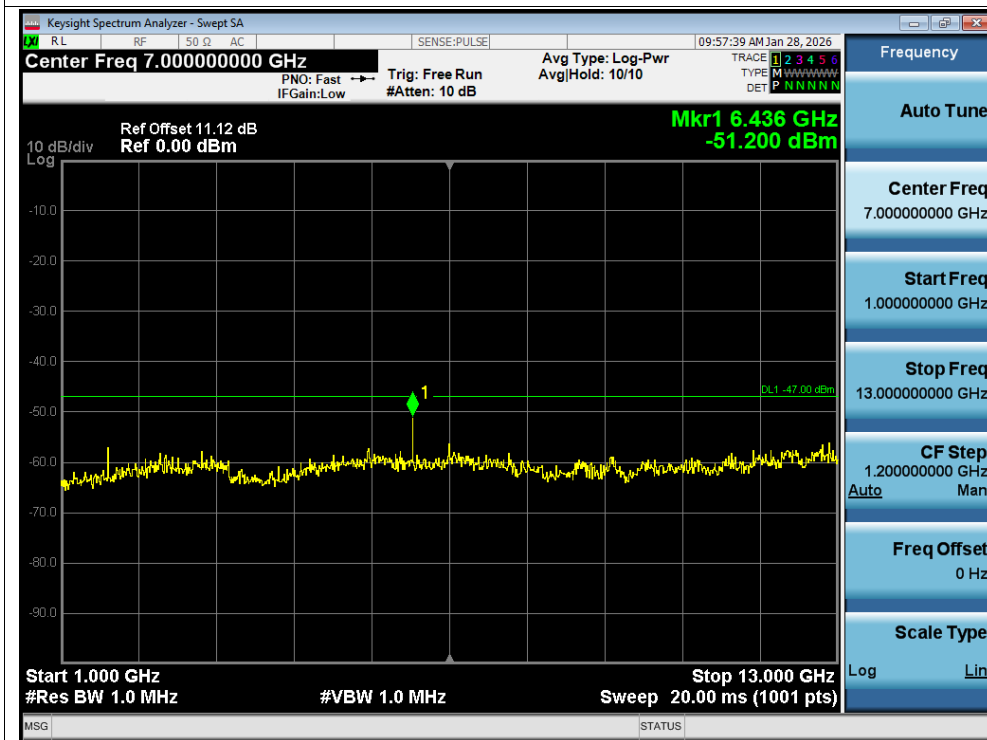
Rx. Spurious NVNT g 2412MHz Ant1 @ 1000MHz-13000MHz



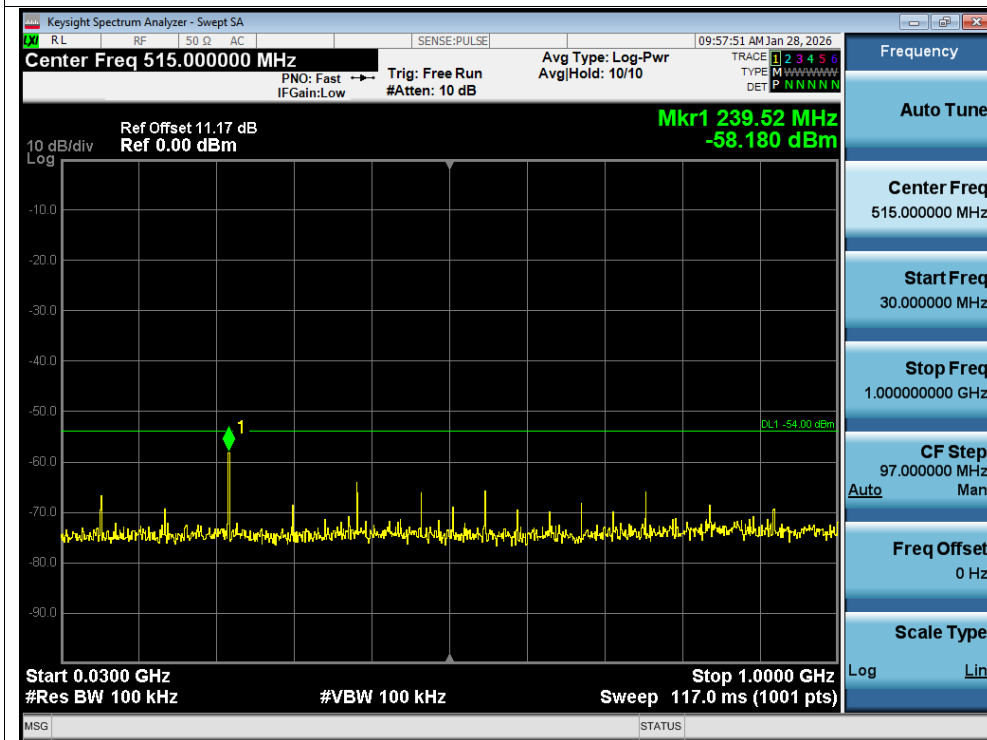
Rx. Spurious NVNT g 2442MHz Ant1 @ 30MHz-1000MHz



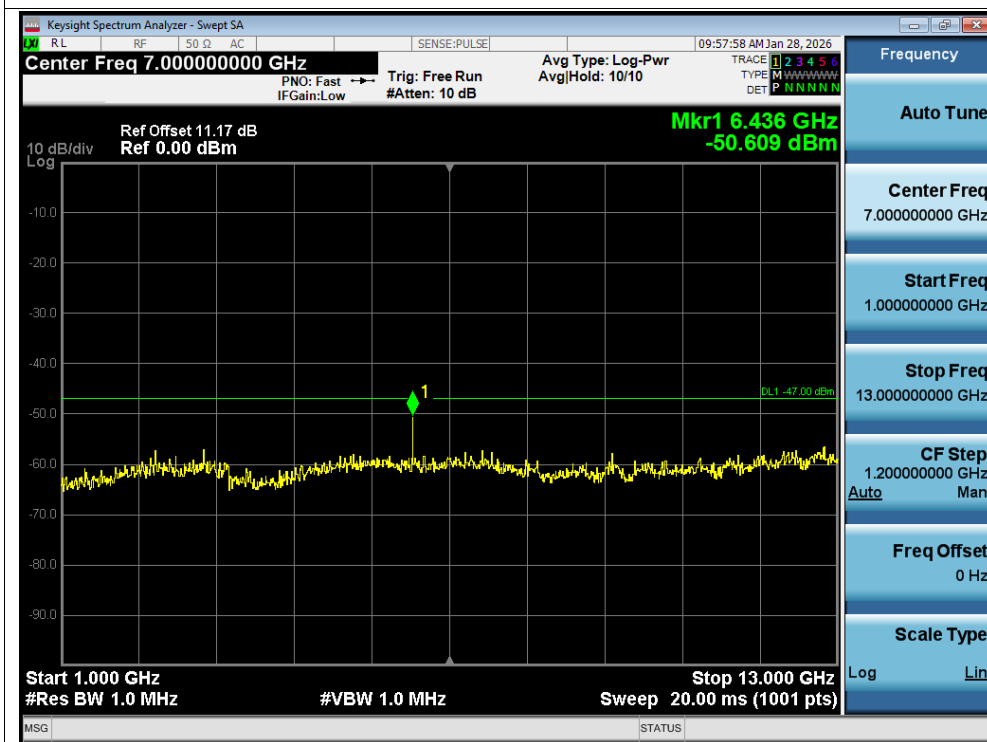
Rx. Spurious NVNT g 2442MHz Ant1 @ 1000MHz-13000MHz



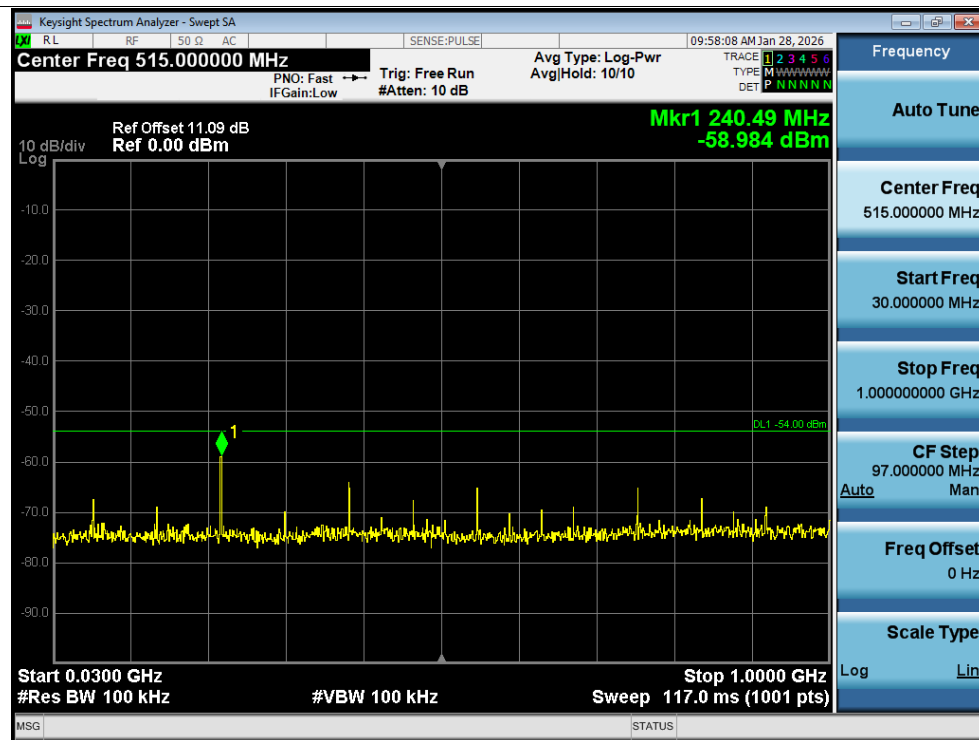
Rx. Spurious NVNT g 2472MHz Ant1 @ 30MHz-1000MHz



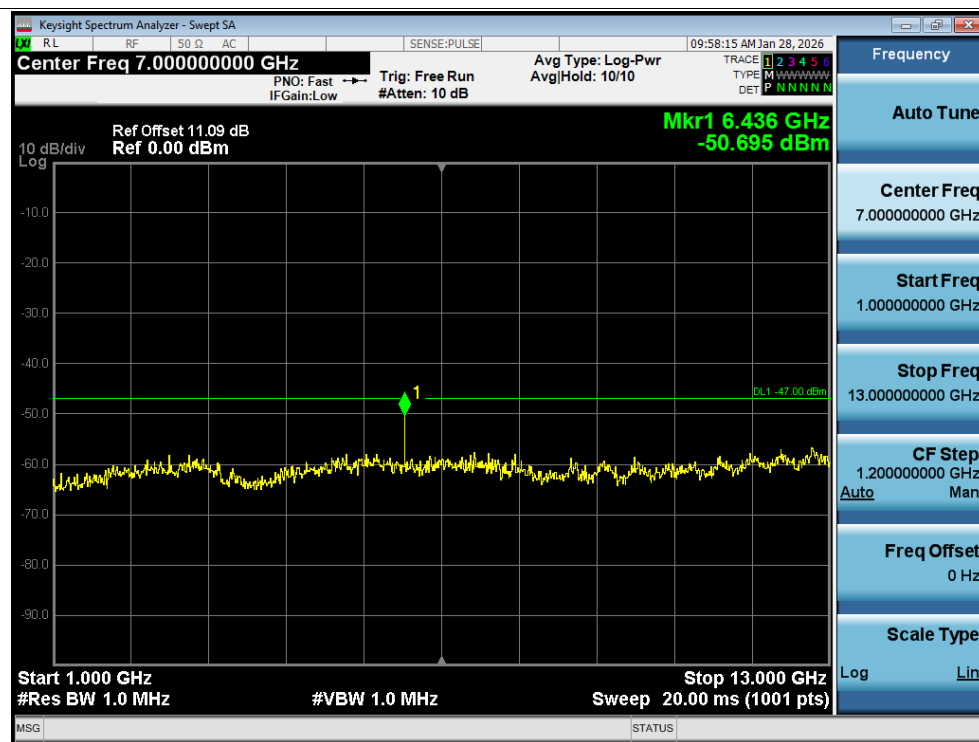
Rx. Spurious NVNT g 2472MHz Ant1 @ 1000MHz-13000MHz



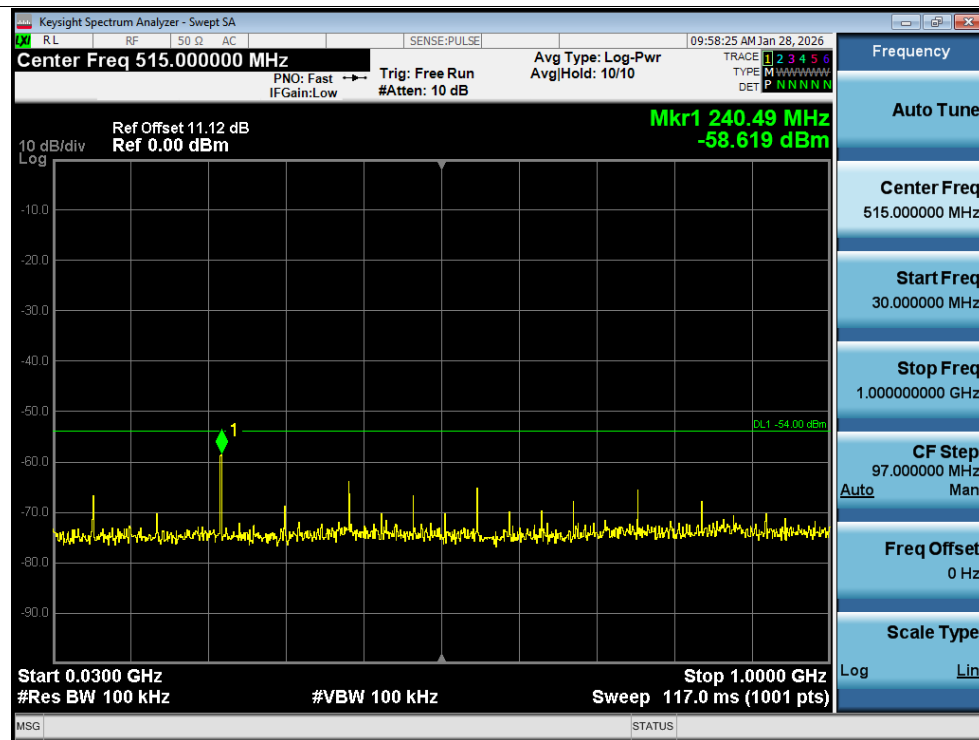
Rx. Spurious NVNT n20 2412MHz Ant1 @ 30MHz-1000MHz



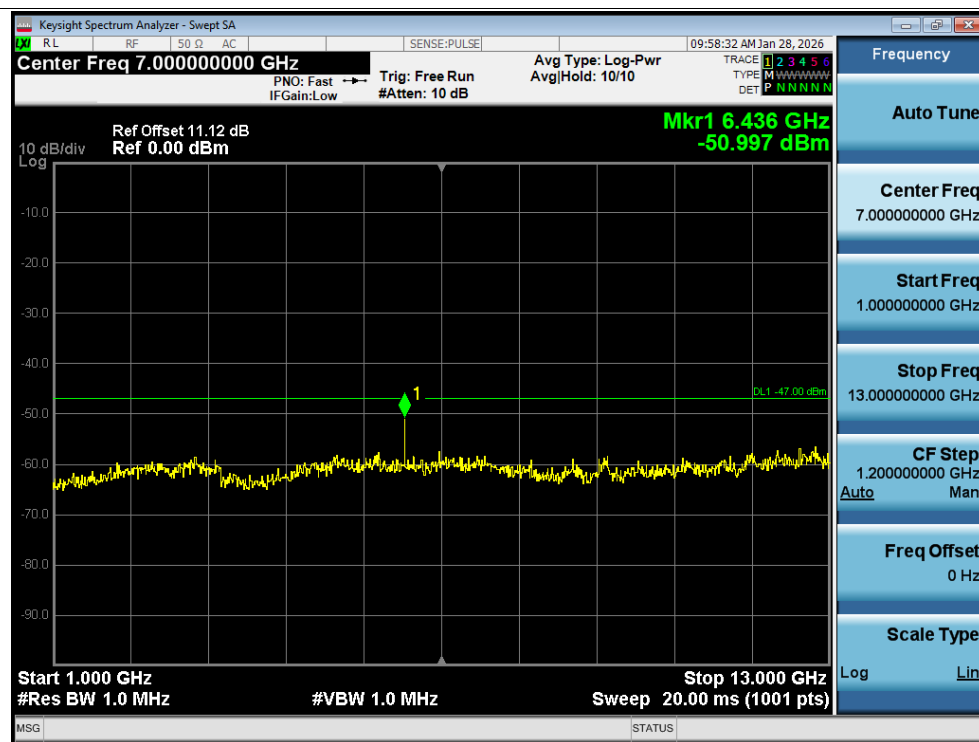
Rx. Spurious NVNT n20 2412MHz Ant1 @ 1000MHz-13000MHz



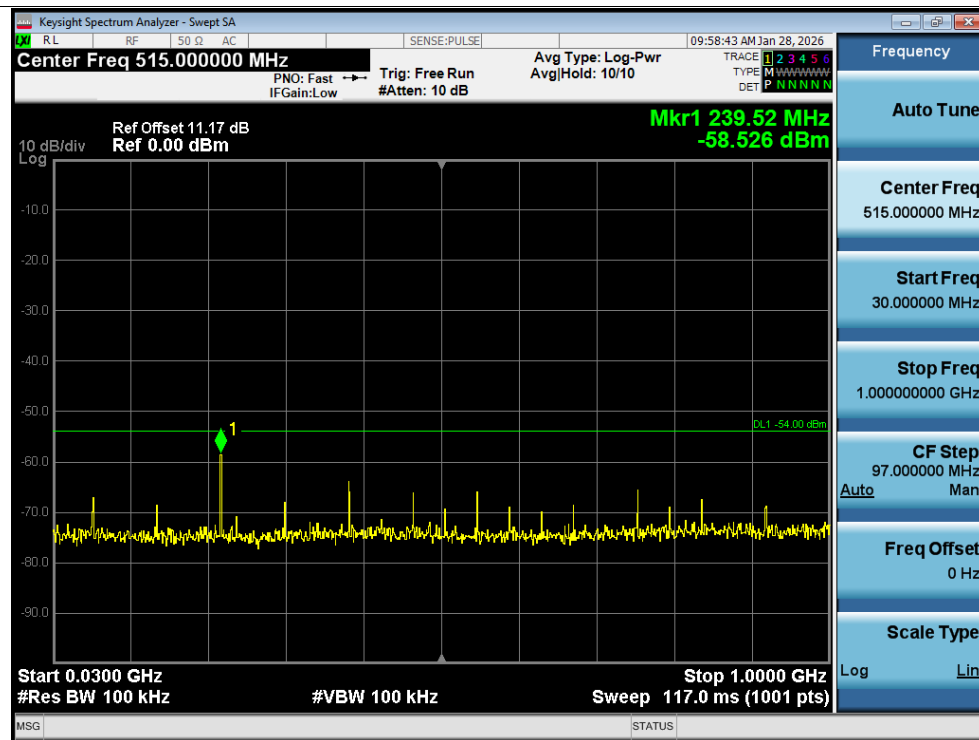
Rx. Spurious NVNT n20 2442MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT n20 2442MHz Ant1 @ 1000MHz-13000MHz



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



Rx. Spurious NVNT n20 2472MHz Ant1 @ 1000MHz-13000MHz

