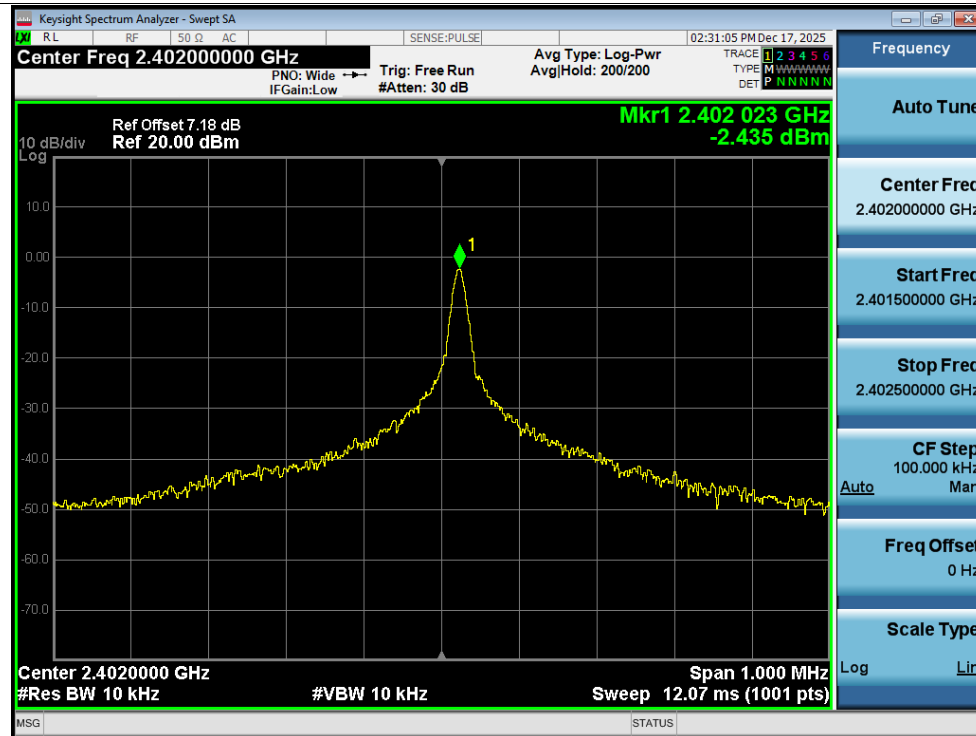


Frequency Error

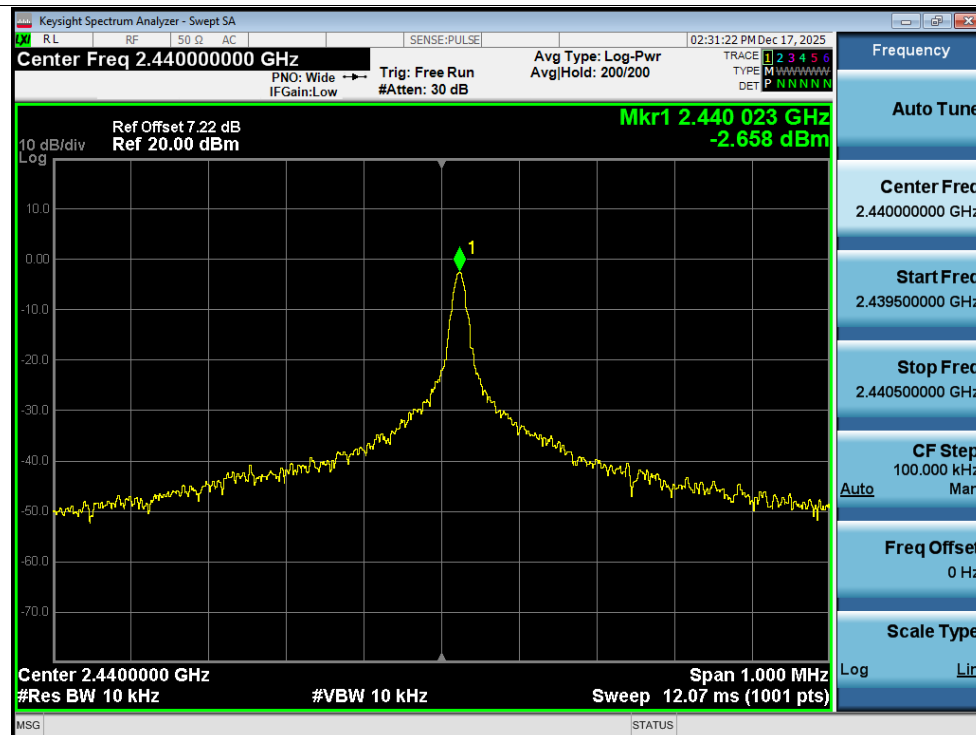
Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2402	Ant1	2402.023	23000	9.58	50	Pass
NVNT	2440	Ant1	2440.023	23000	9.43	50	Pass
NVNT	2480	Ant1	2480.023	23000	9.27	50	Pass

Test Graphs

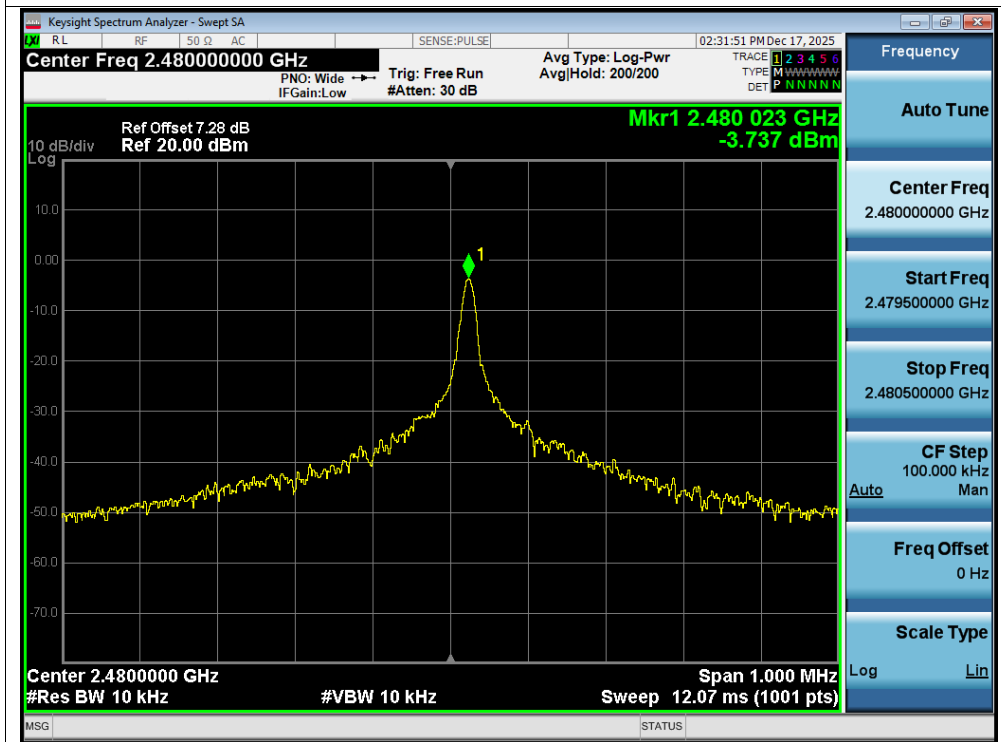
Freq. Error NVNT 2402MHz Ant1



Freq. Error NVNT 2440MHz Ant1



Freq. Error NVNT 2480MHz Ant1



Antenna Power

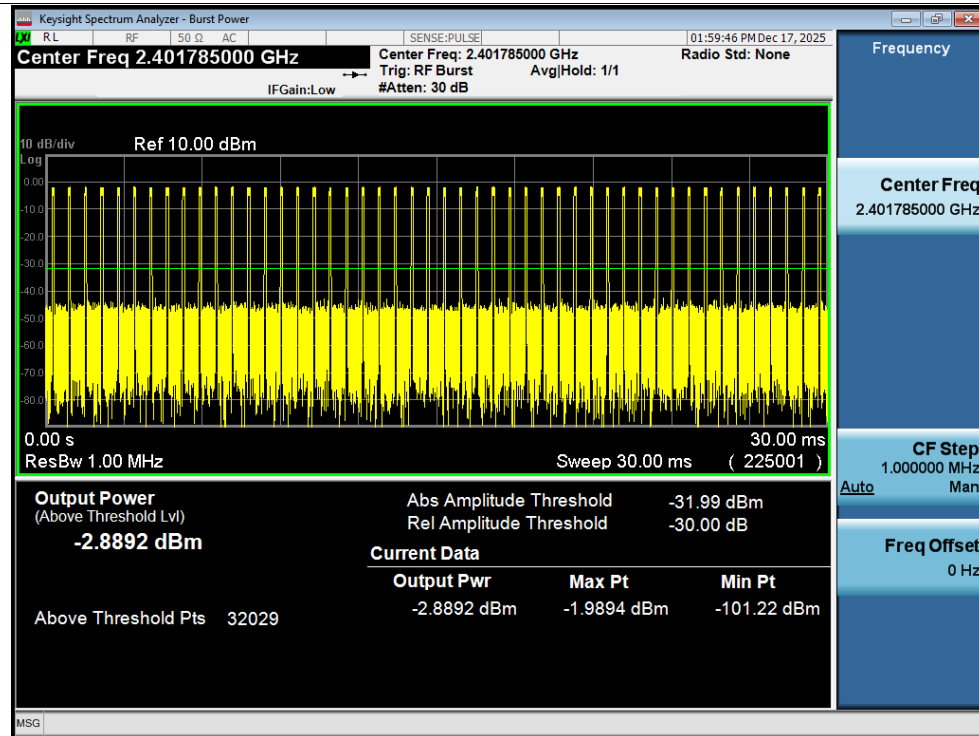
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Antenna Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.89	0.514	10	0.5	2.8	20	Pass
NVNT	BLE 1M	2440	Ant1	-3.06	0.495	10	0.5	-1	20	Pass
NVNT	BLE 1M	2480	Ant1	-4.27	0.374	10	0.5	-25.2	20	Pass
NVNT	BLE 2M	2402	Ant1	-4	0.398	10	0.5	-20.4	20	Pass
NVNT	BLE 2M	2440	Ant1	-4.16	0.384	10	0.5	-23.2	20	Pass
NVNT	BLE 2M	2480	Ant1	-5.37	0.29	10	0.5	-42	20	Pass

Test Graphs

Power NVNT BLE 1M 2402 MHz Ant1 Pre Scan



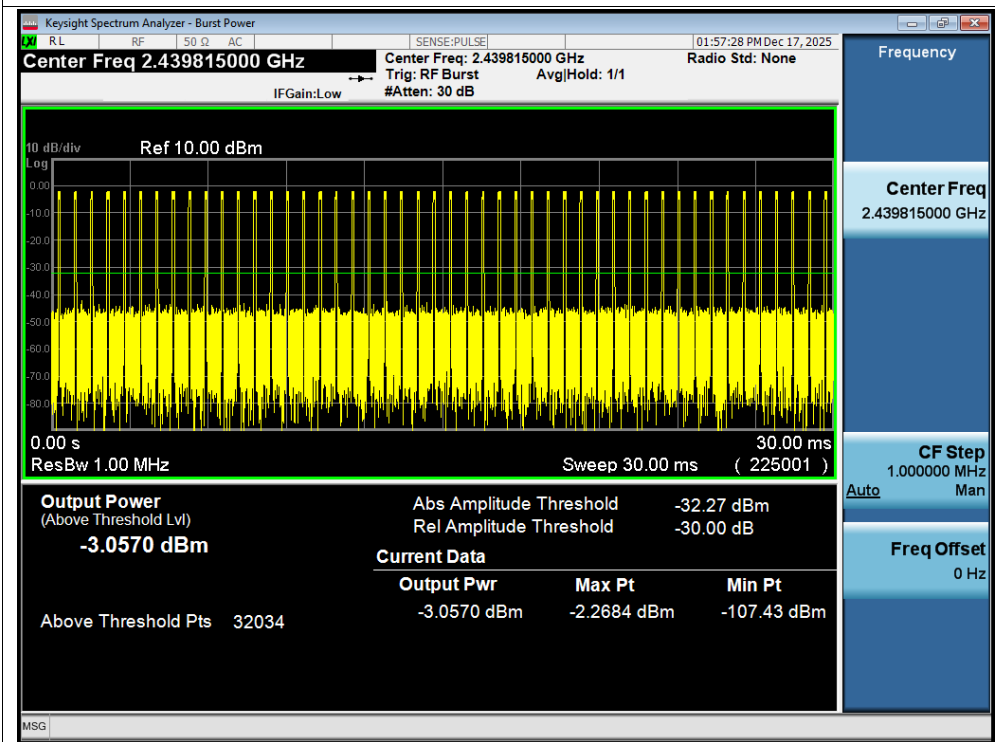
Power NVNT BLE 1M 2402 MHz Ant1 Zero Span



Power NVNT BLE 1M 2440 MHz Ant1 Pre Scan



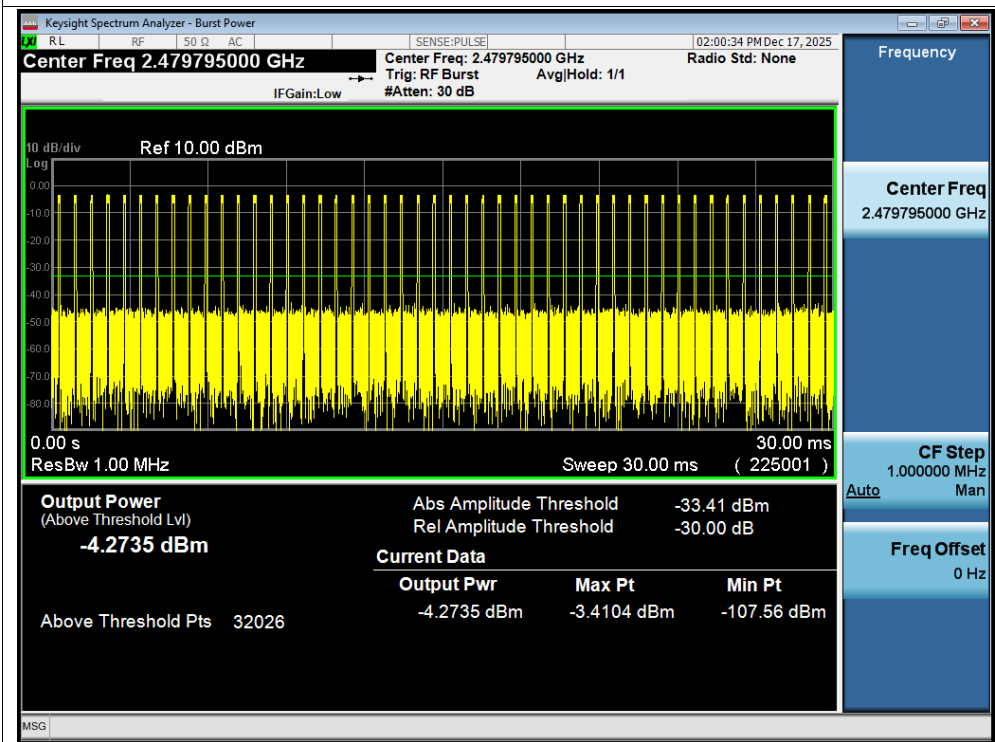
Power NVNT BLE 1M 2440 MHz Ant1 Zero Span



Power NVNT BLE 1M 2480 MHz Ant1 Pre Scan



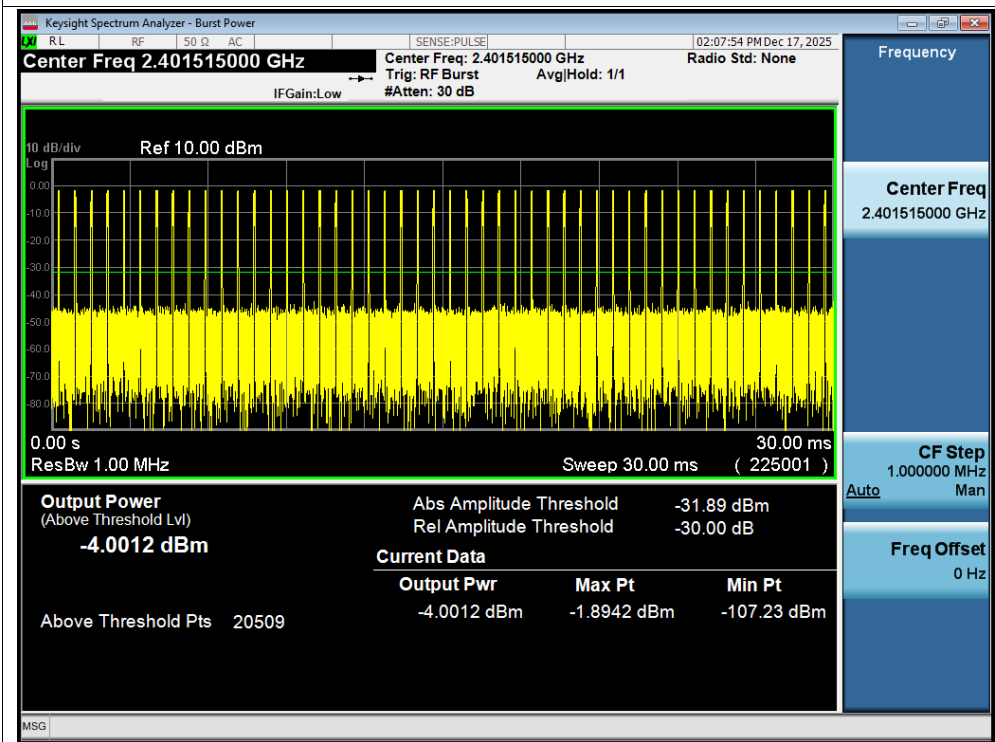
Power NVNT BLE 1M 2480 MHz Ant1 Zero Span



Power NVNT BLE 2M 2402 MHz Ant1 Pre Scan



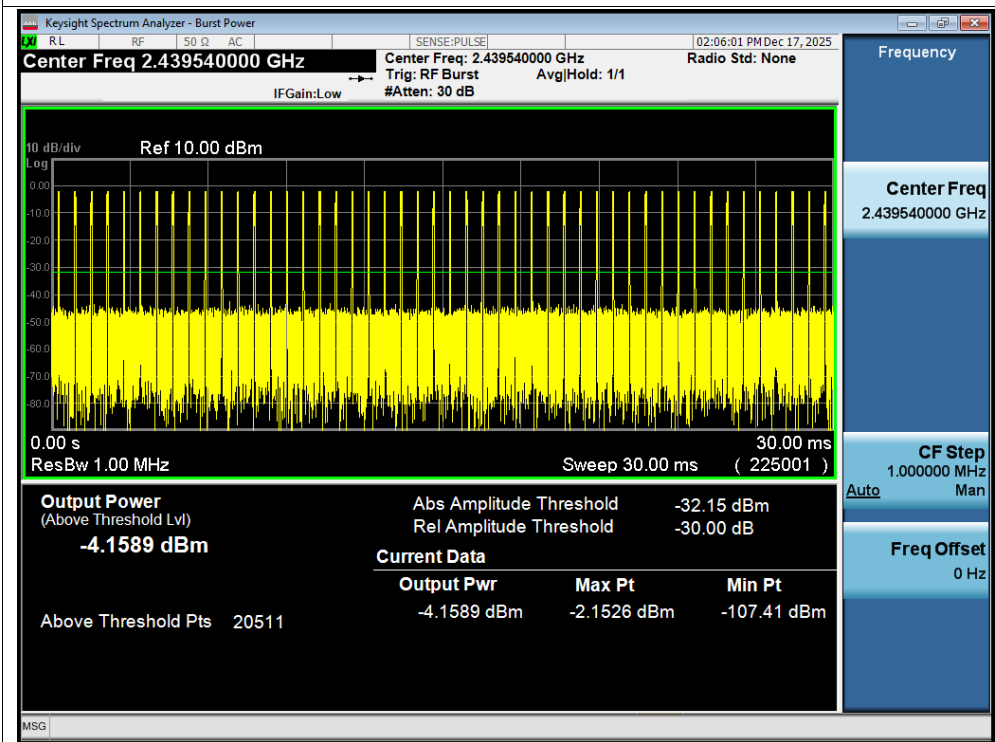
Power NVNT BLE 2M 2402 MHz Ant1 Zero Span



Power NVNT BLE 2M 2440 MHz Ant1 Pre Scan



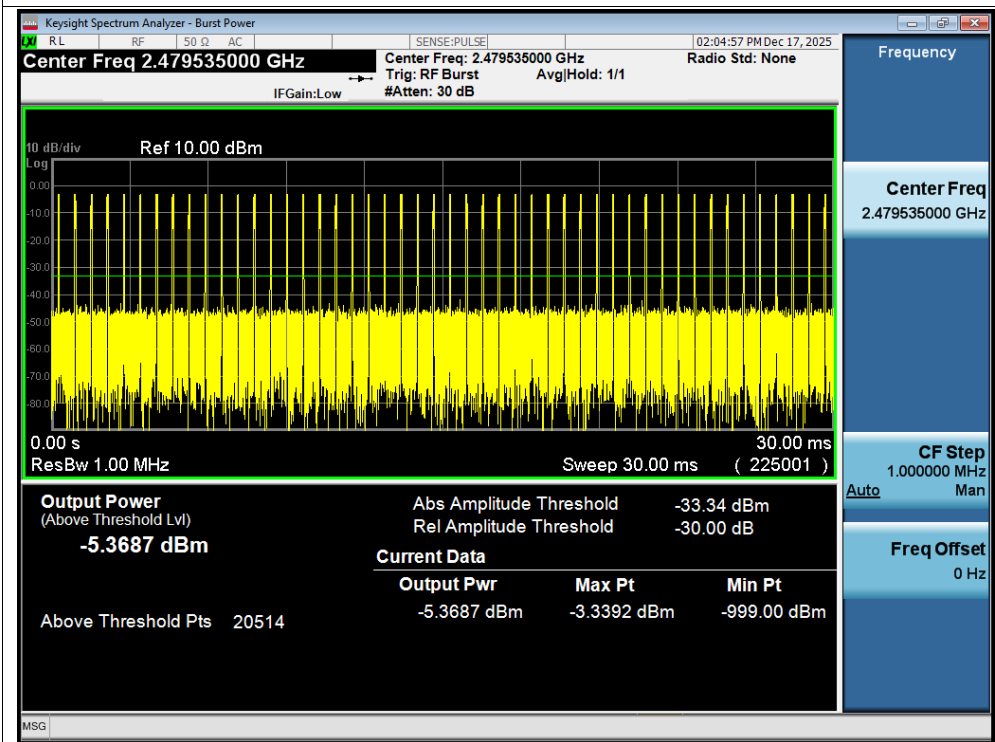
Power NVNT BLE 2M 2440 MHz Ant1 Zero Span



Power NVNT BLE 2M 2480 MHz Ant1 Pre Scan



Power NVNT BLE 2M 2480 MHz Ant1 Zero Span



EIRP Power

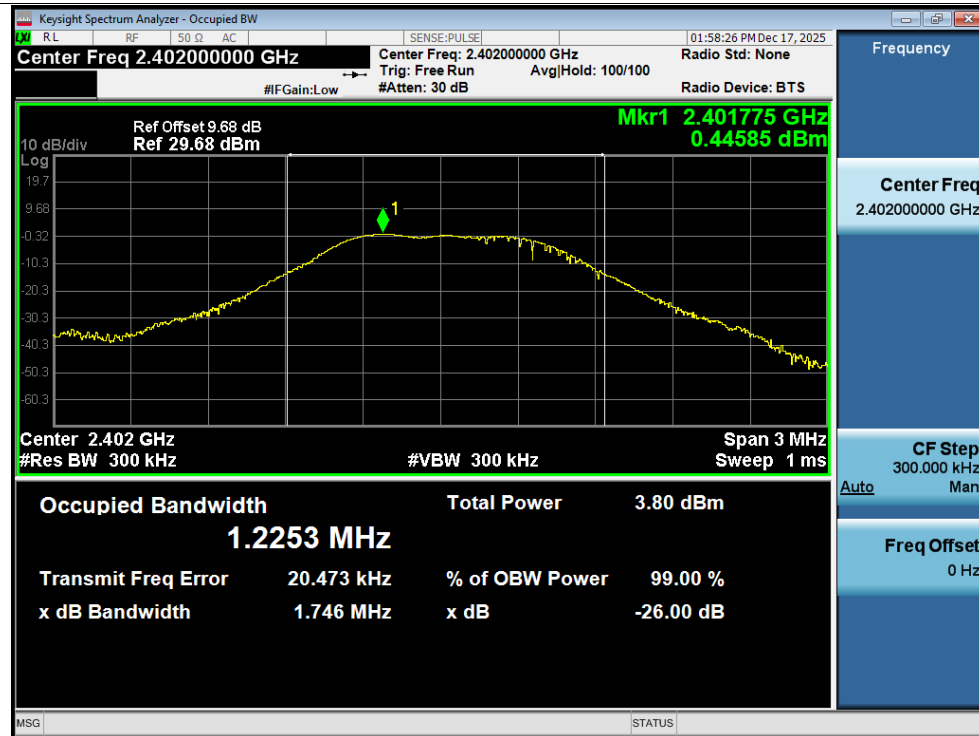
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.89	2.499	-0.39	12.14	Pass
NVNT	BLE 1M	2440	Ant1	-3.05	2.499	-0.56	12.14	Pass
NVNT	BLE 1M	2480	Ant1	-4.27	2.499	-1.77	12.14	Pass
NVNT	BLE 2M	2402	Ant1	-4	2.499	-1.5	12.14	Pass
NVNT	BLE 2M	2440	Ant1	-4.16	2.499	-1.66	12.14	Pass
NVNT	BLE 2M	2480	Ant1	-5.38	2.499	-2.87	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	1.225	N/A	26	Pass
NVNT	BLE 1M	2440	Ant1	1.232	N/A	26	Pass
NVNT	BLE 1M	2480	Ant1	1.226	N/A	26	Pass
NVNT	BLE 2M	2402	Ant1	2.186	N/A	26	Pass
NVNT	BLE 2M	2440	Ant1	2.196	N/A	26	Pass
NVNT	BLE 2M	2480	Ant1	2.179	N/A	26	Pass

Test Graphs

OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



OBW NVNT BLE 1M 2480MHz Ant1



OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2440MHz Ant1



OBW NVNT BLE 2M 2480MHz Ant1



Tx Spurious Emission

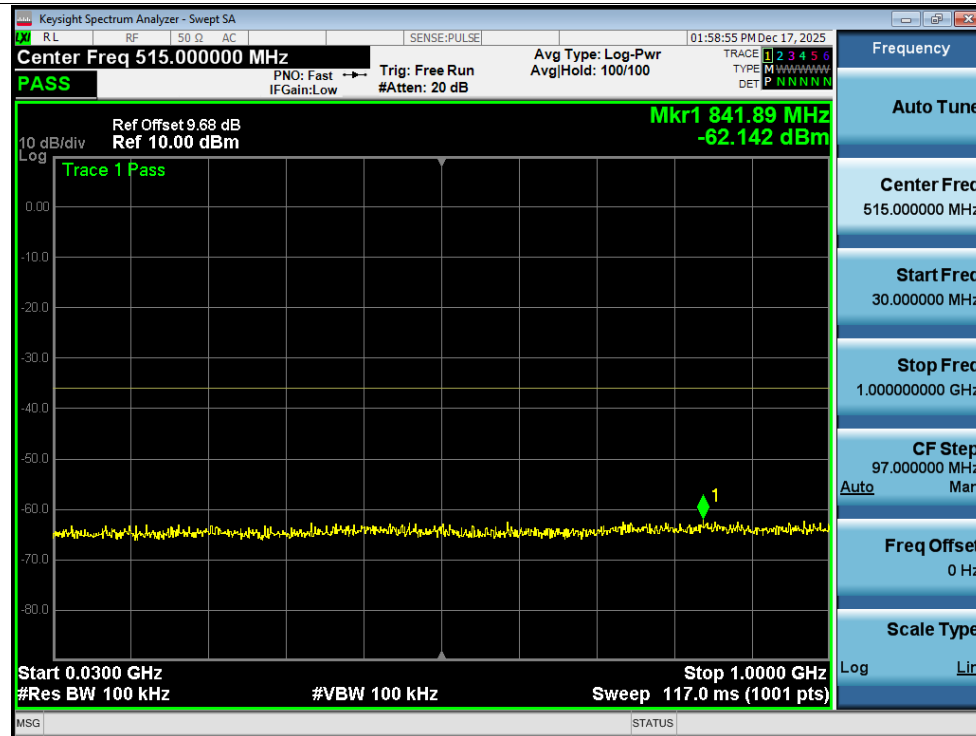
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/100kHz)	Limit Start(dBm/100kHz)	Limit Stop (dBm/100kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	841.89	-62.14	-36	-36	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	977.69	-61.58	-36	-36	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	852.56	-61.19	-36	-36	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	846.74	-61.17	-36	-36	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	868.08	-61.58	-36	-36	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	808.91	-61.72	-36	-36	Pass

Tx Spurious Emission

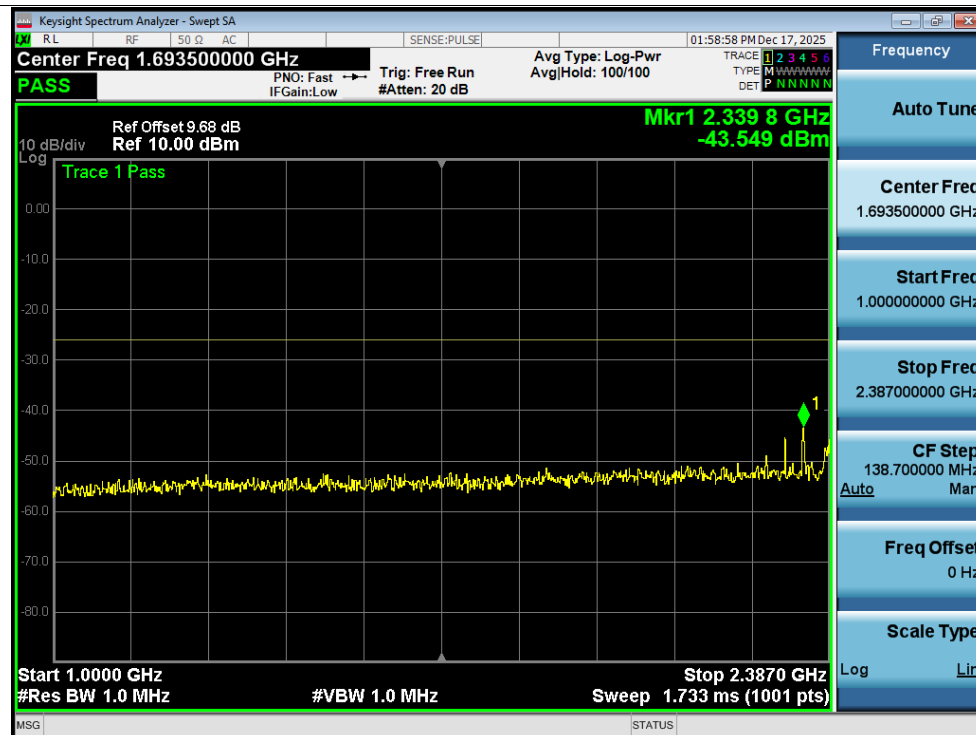
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit Start(dBm/MHz)	Limit Stop (dBm/MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1000-2387	2339.84	-43.55	-26	-26	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2399.88	-30.09	-16	-16	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2486.41	-51.04	-16	-16	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	2496.5	-40.65	-26	-26	Pass
NVNT	BLE 1M	2440	Ant1	1000-2387	2345.39	-44.19	-26	-26	Pass
NVNT	BLE 1M	2440	Ant1	2387-2400	2392.12	-46.6	-16	-16	Pass
NVNT	BLE 1M	2440	Ant1	2483.5-2496.5	2487.75	-46.15	-16	-16	Pass
NVNT	BLE 1M	2440	Ant1	2496.5-13000	2538.51	-40.56	-26	-26	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	2353.71	-41.6	-26	-26	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2389.43	-50.15	-16	-16	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2495.13	-44.53	-16	-16	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	2549.02	-38.91	-26	-26	Pass
NVNT	BLE 2M	2402	Ant1	1000-2387	2306.55	-44.08	-26	-26	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2400	-22.86	-16	-16	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2496.45	-50.29	-16	-16	Pass
NVNT	BLE 2M	2402	Ant1	2496.5-13000	2496.5	-41.65	-26	-26	Pass
NVNT	BLE 2M	2440	Ant1	1000-2387	2375.9	-42.63	-26	-26	Pass
NVNT	BLE 2M	2440	Ant1	2387-2400	2391.58	-47.14	-16	-16	Pass
NVNT	BLE 2M	2440	Ant1	2483.5-2496.5	2487.59	-46.6	-16	-16	Pass
NVNT	BLE 2M	2440	Ant1	2496.5-13000	2538.51	-40.36	-26	-26	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	2385.61	-42.54	-26	-26	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2388.91	-50.17	-16	-16	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2495.95	-45.33	-16	-16	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	2580.53	-41.24	-26	-26	Pass

Test Graphs

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



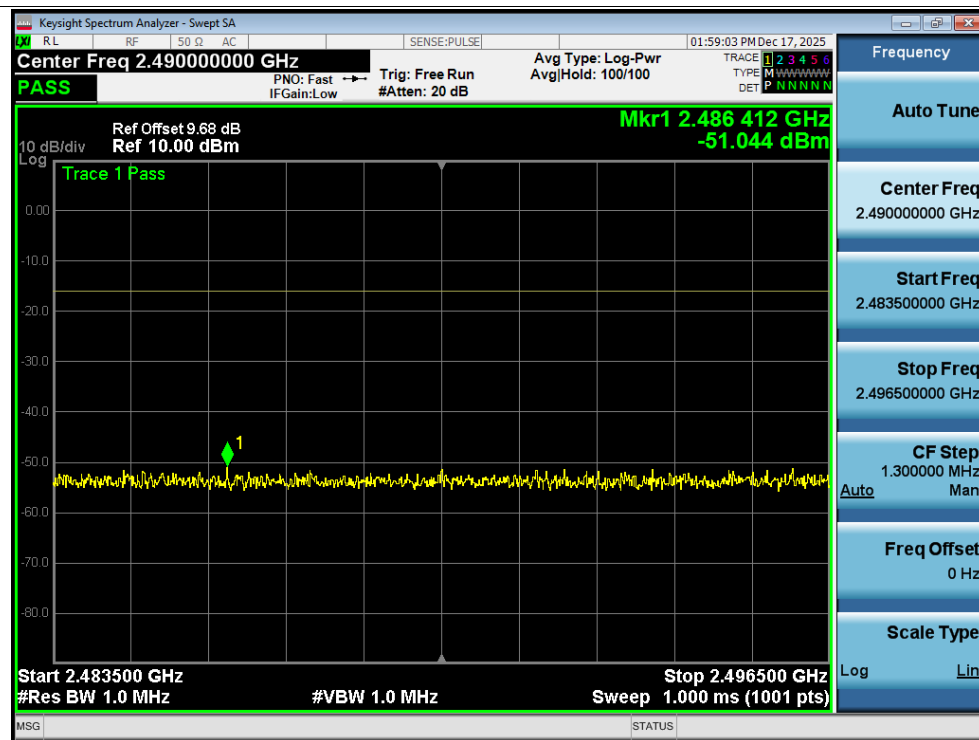
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz



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



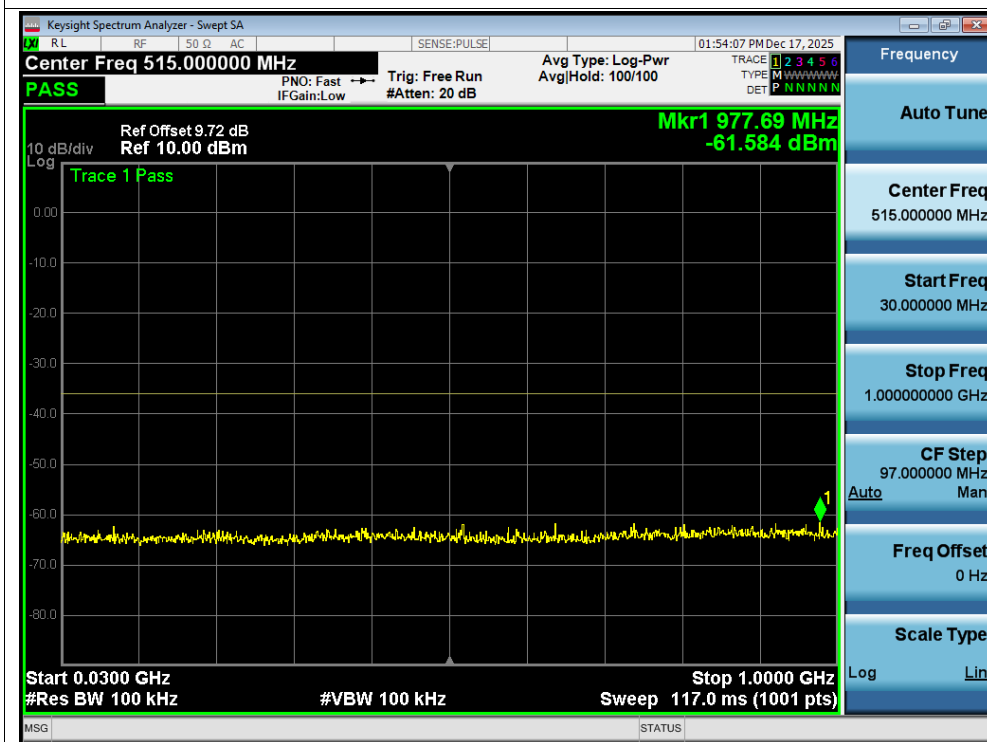
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



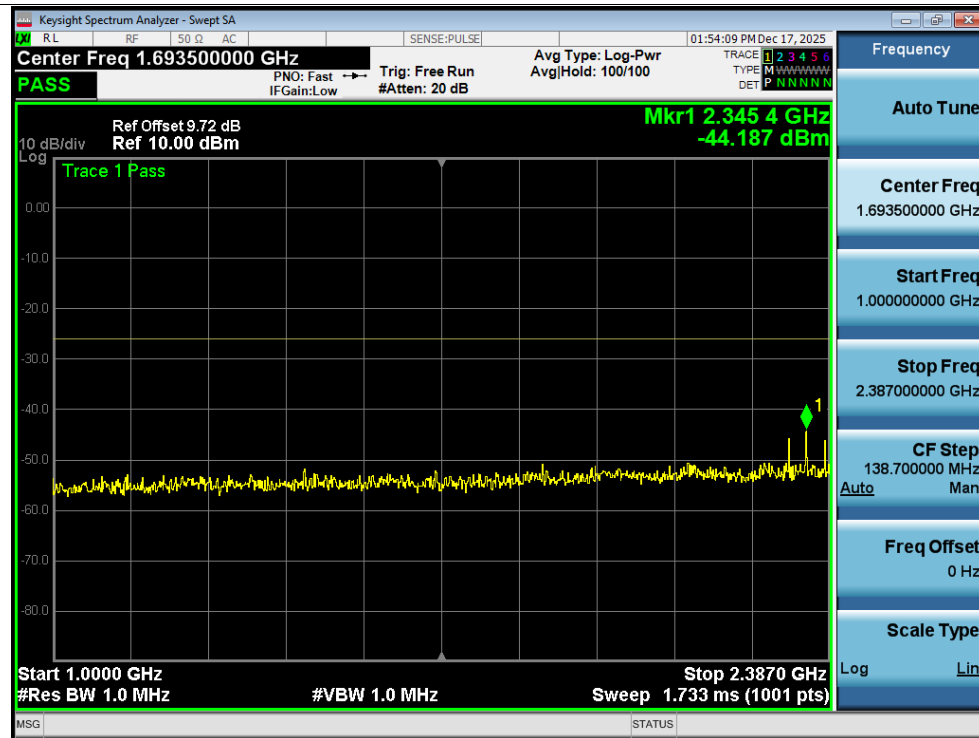
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



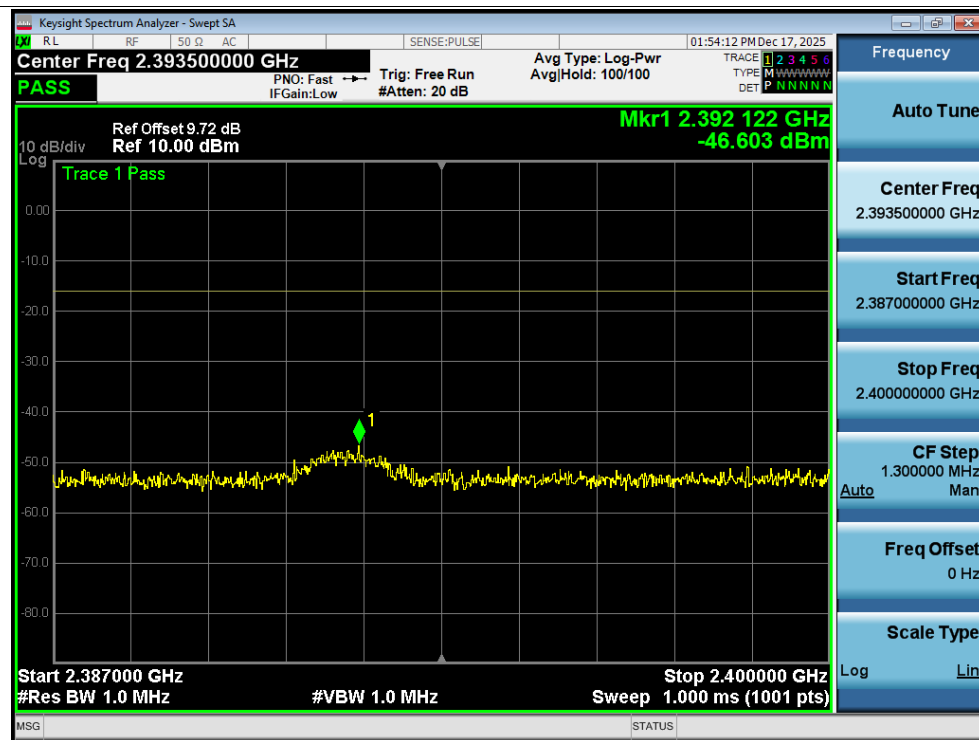
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-2387MHz



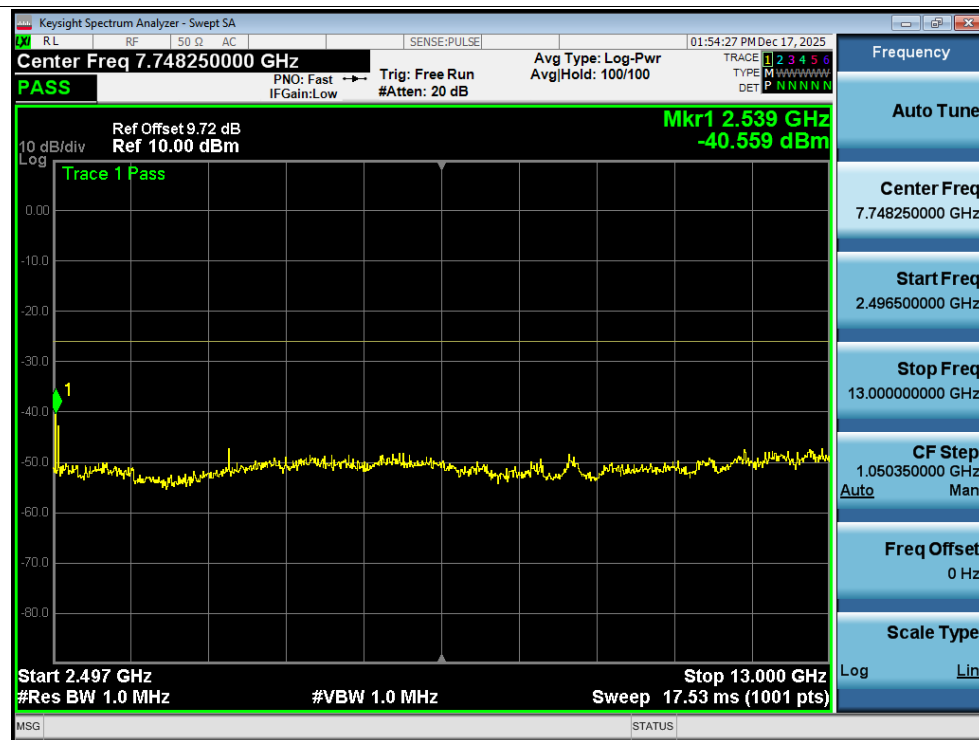
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2387MHz-2400MHz



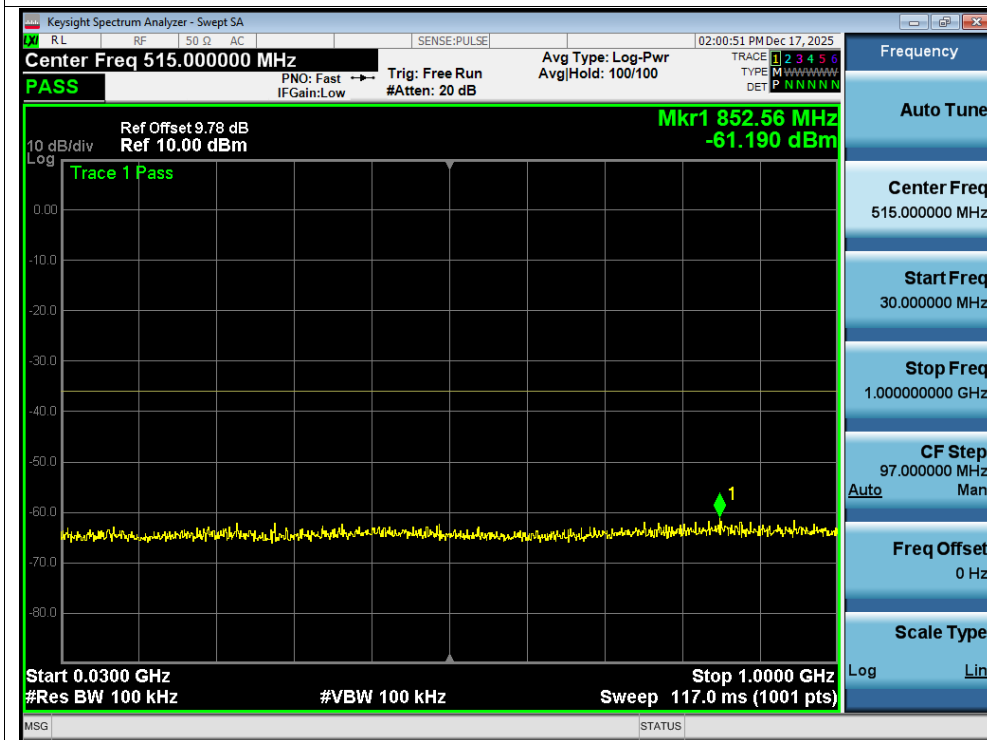
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



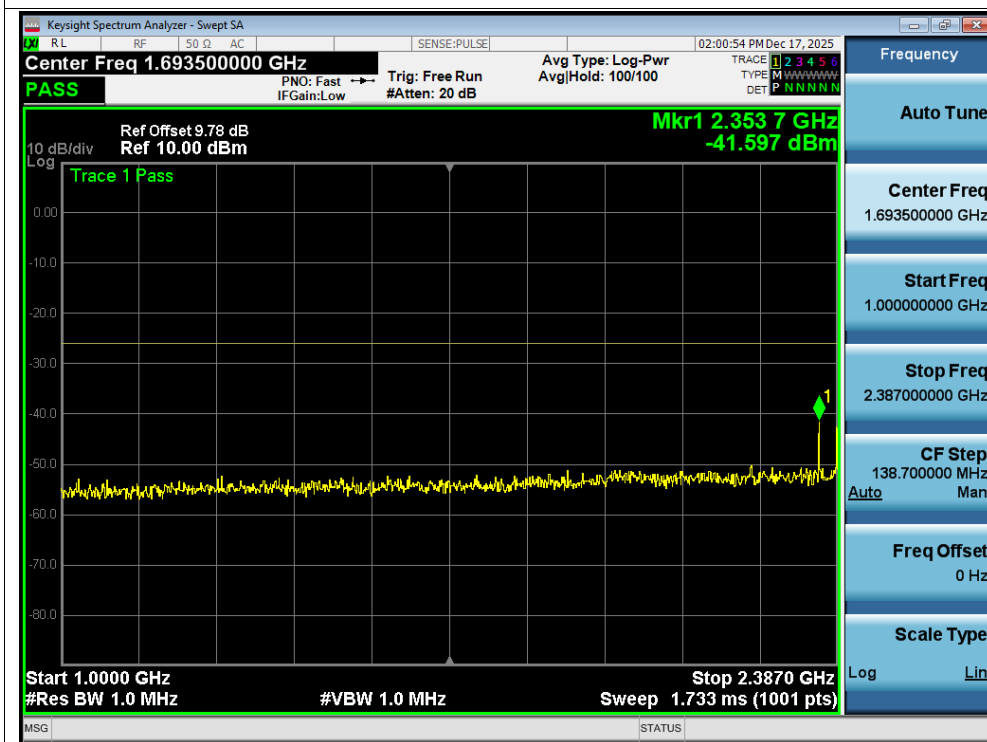
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2496.5MHz-13000MHz



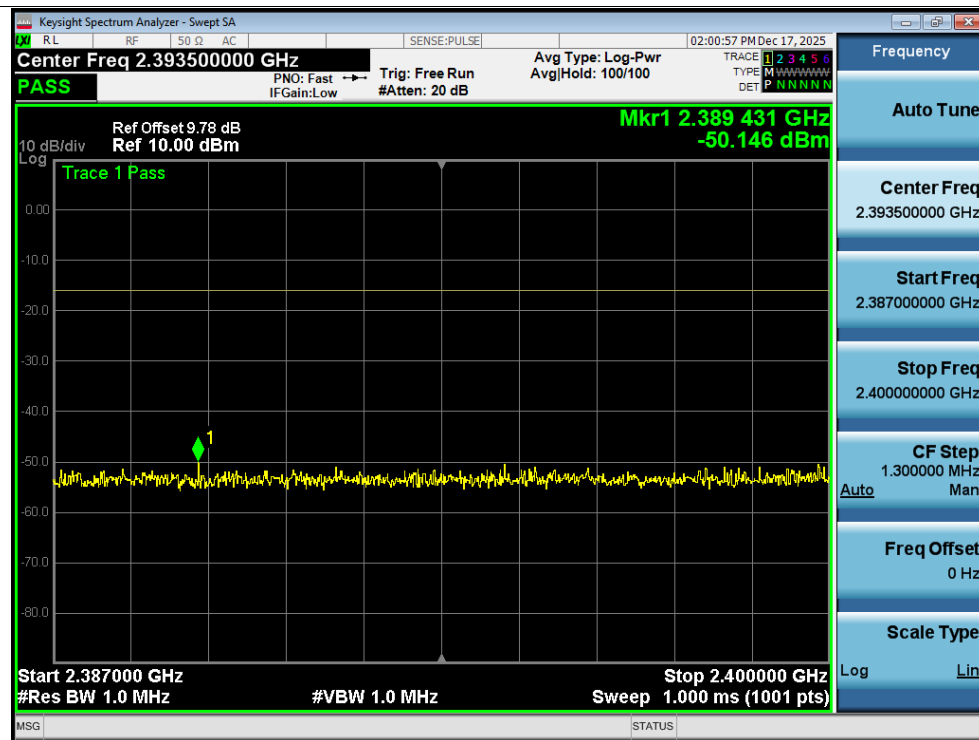
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



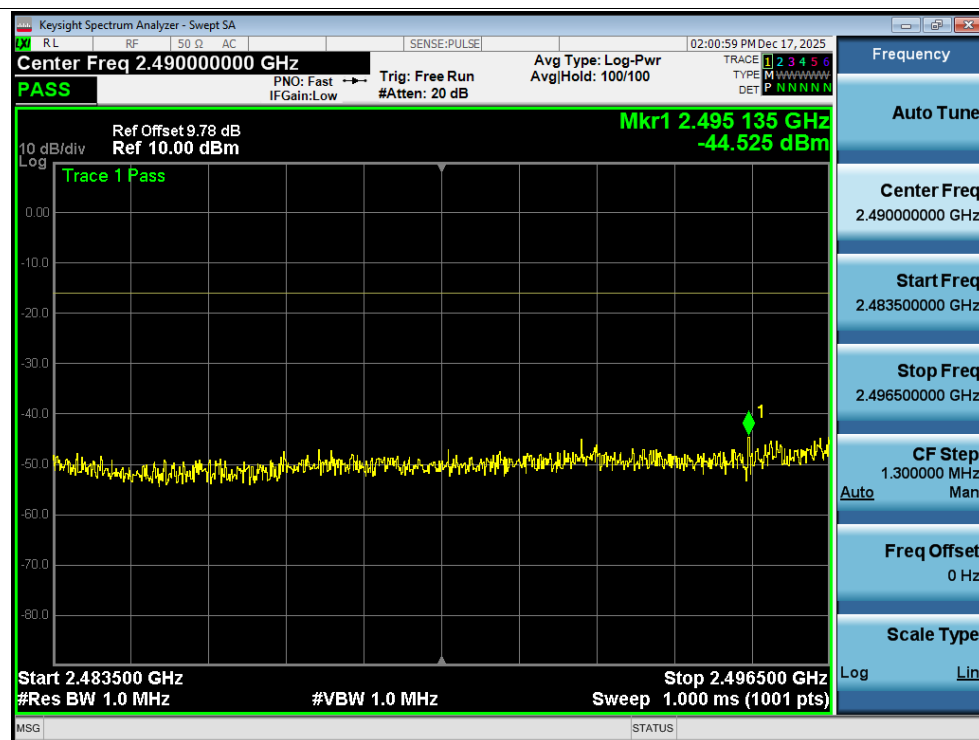
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-2387MHz



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



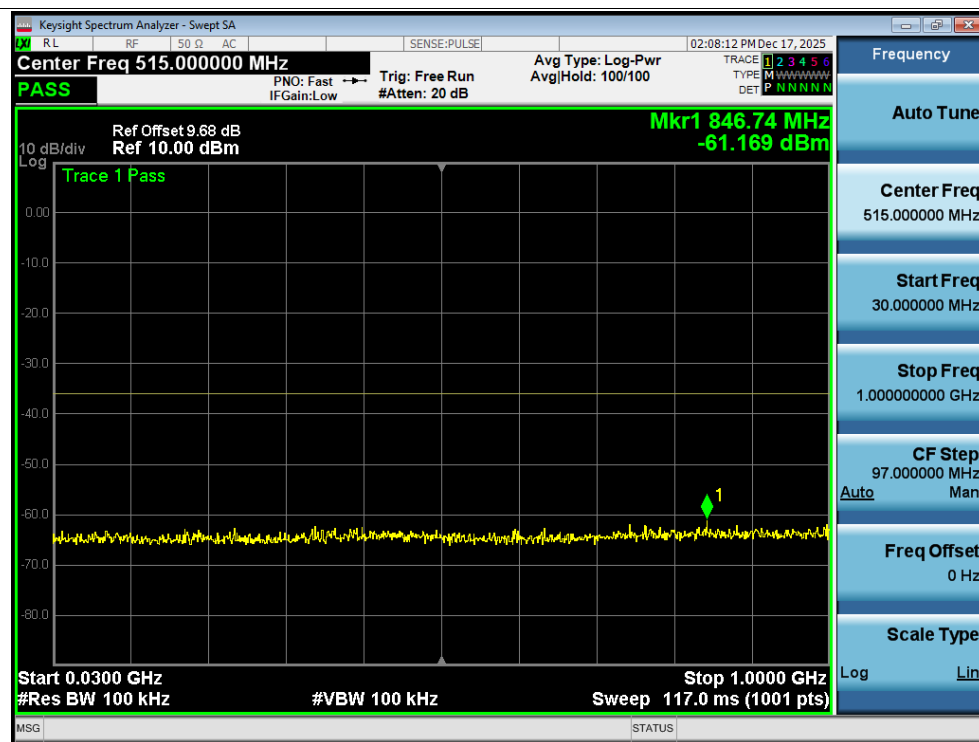
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



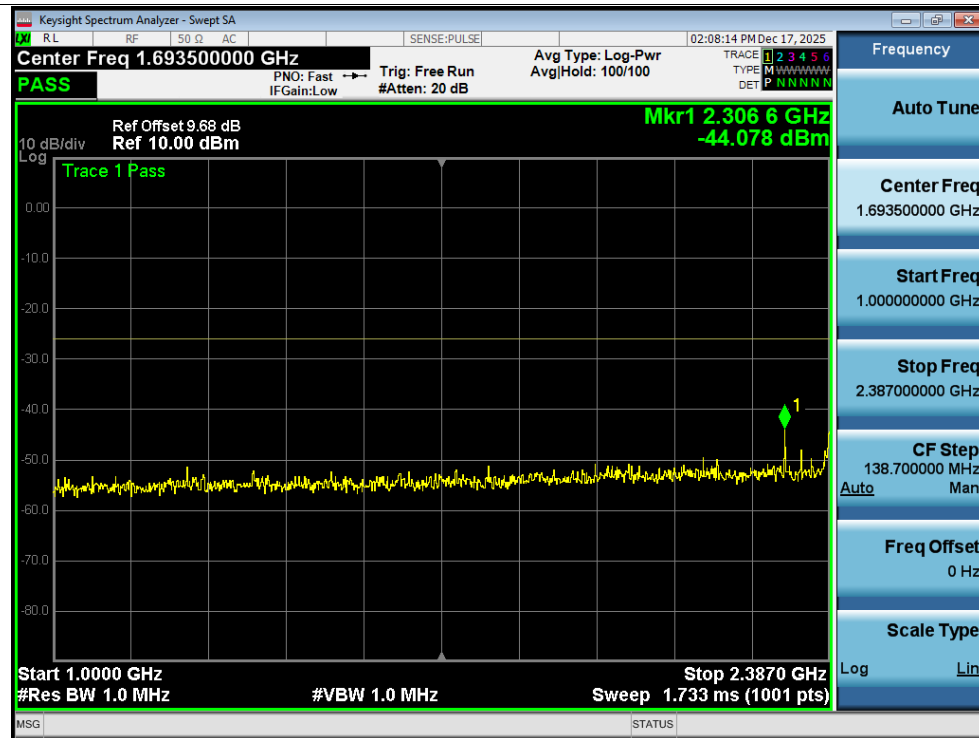
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz



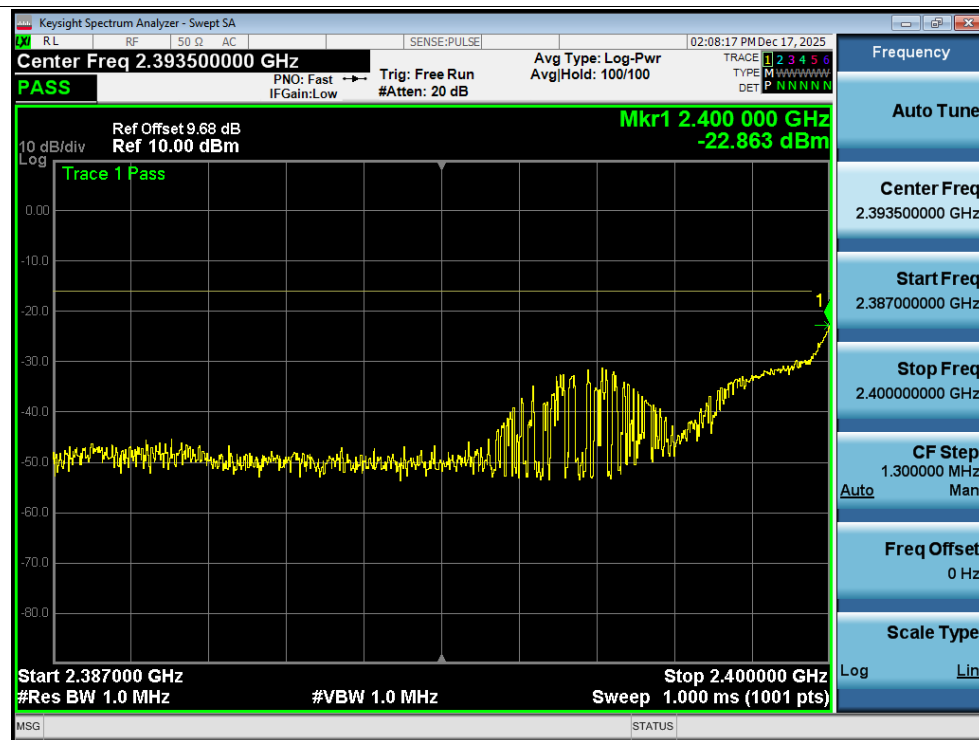
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



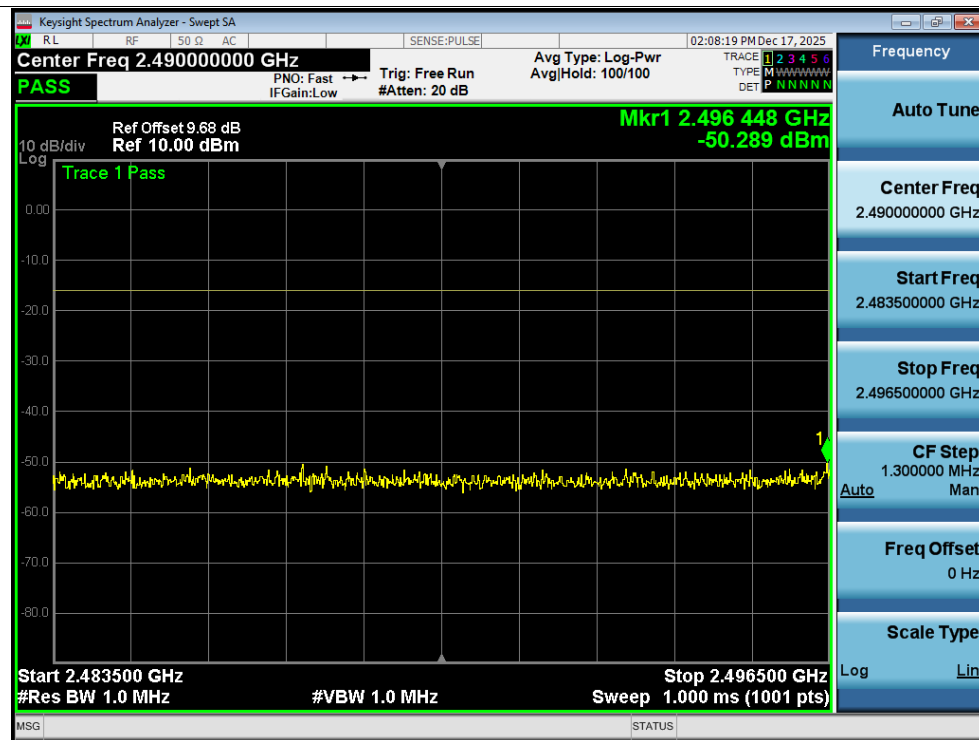
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-2387MHz



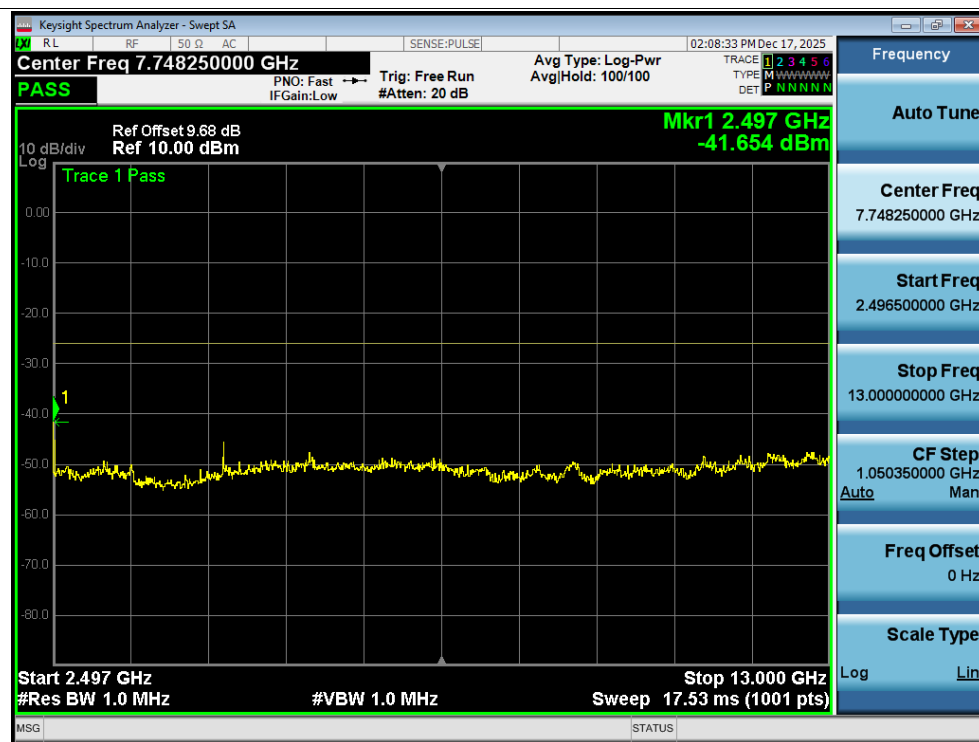
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2387MHz-2400MHz



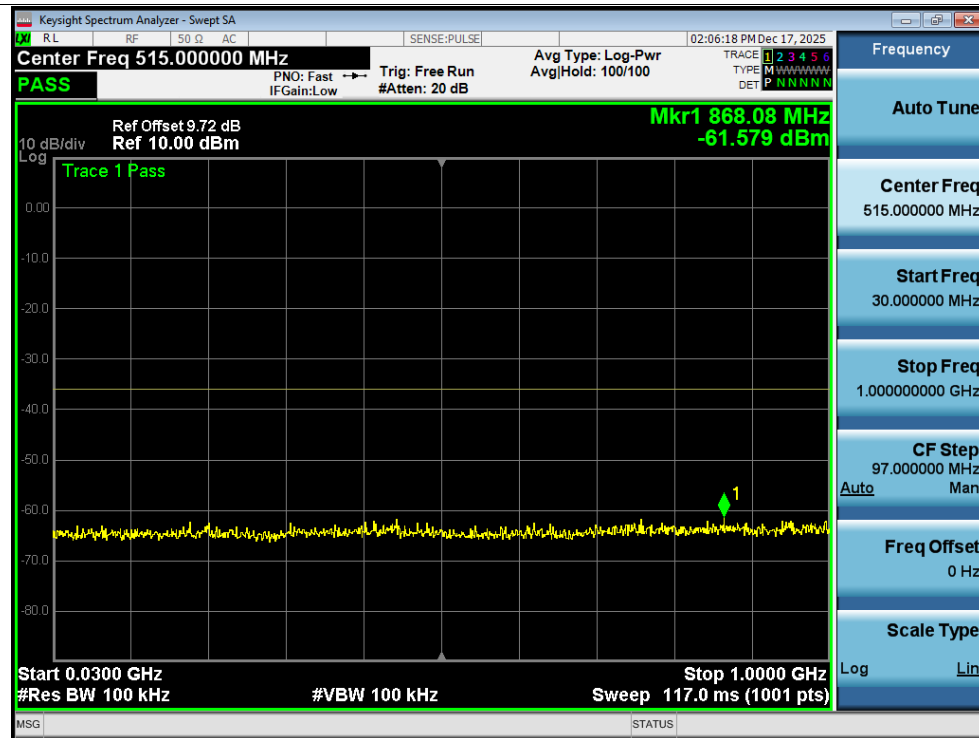
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



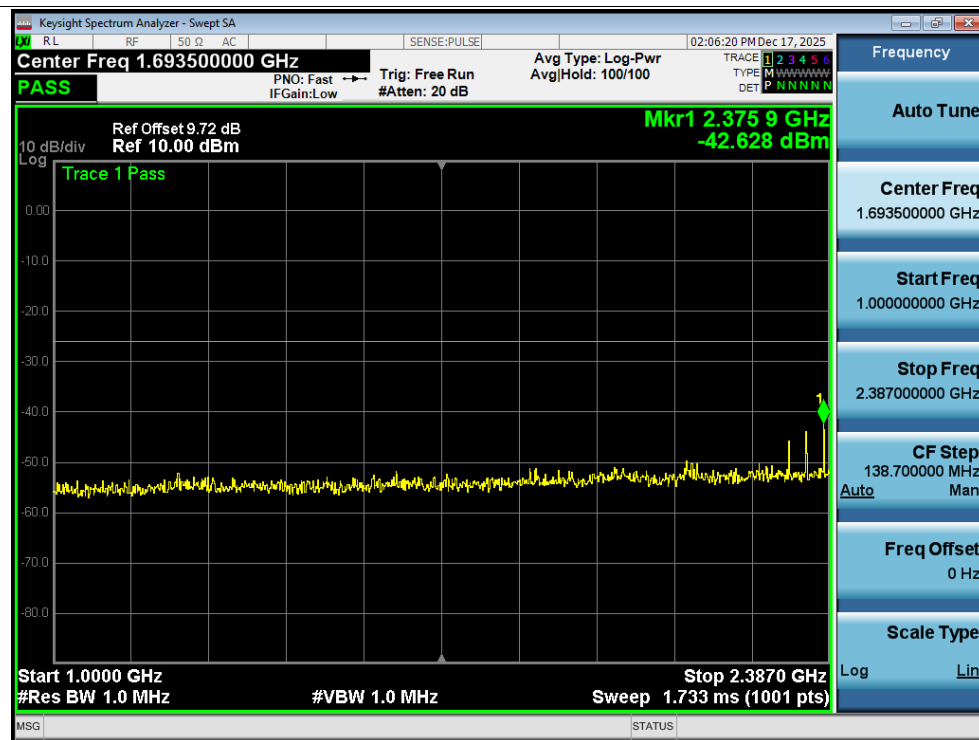
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2496.5MHz-13000MHz



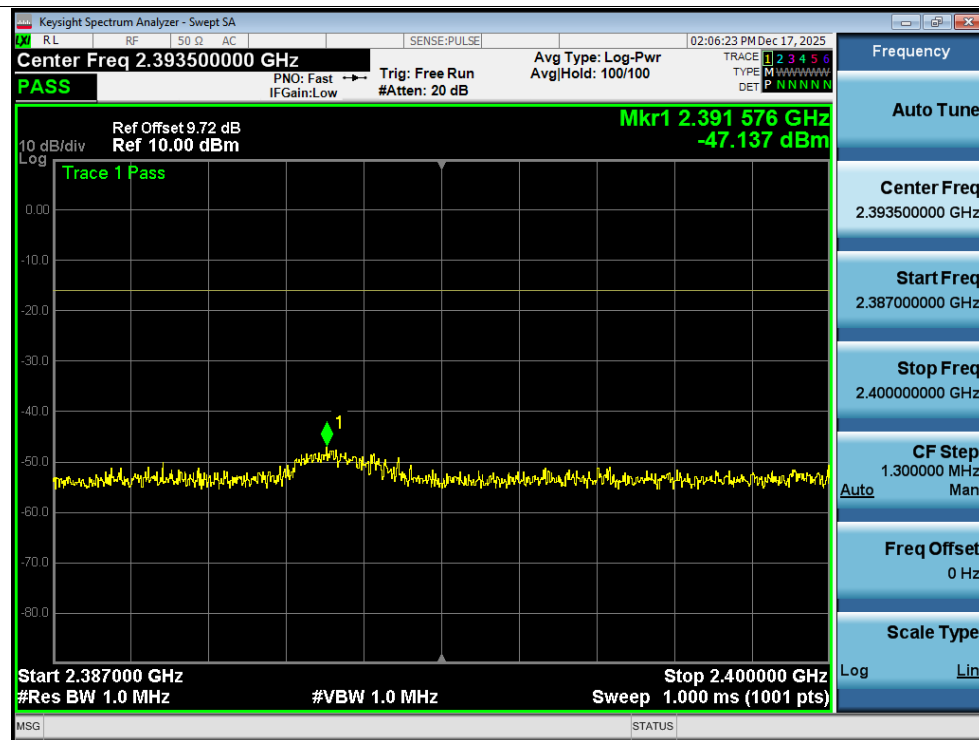
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



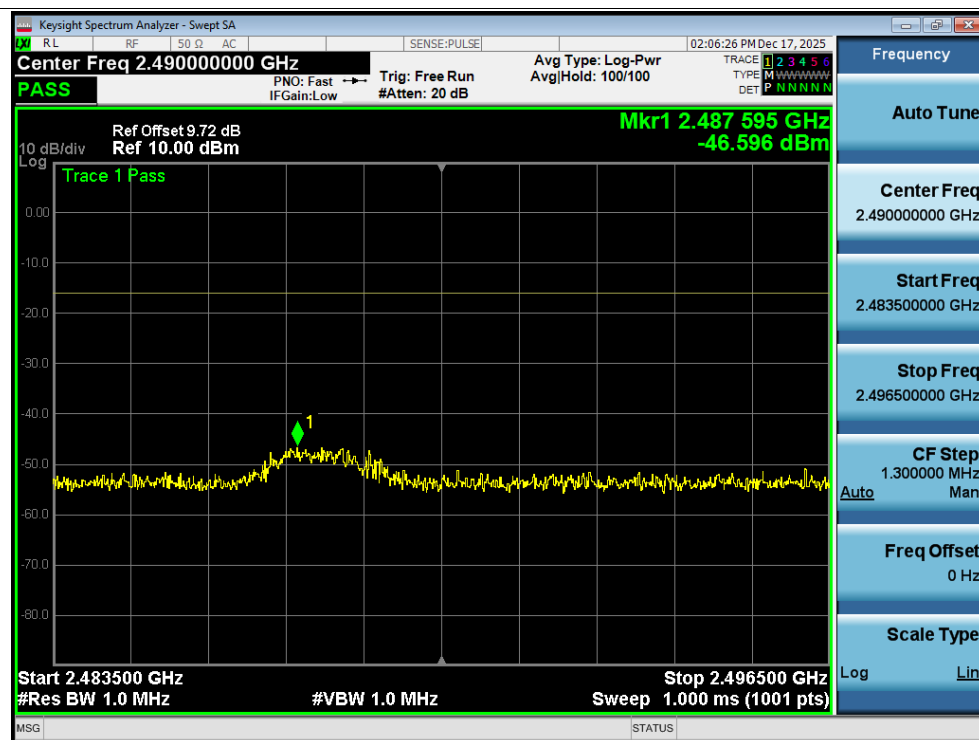
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-2387MHz



Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2387MHz-2400MHz



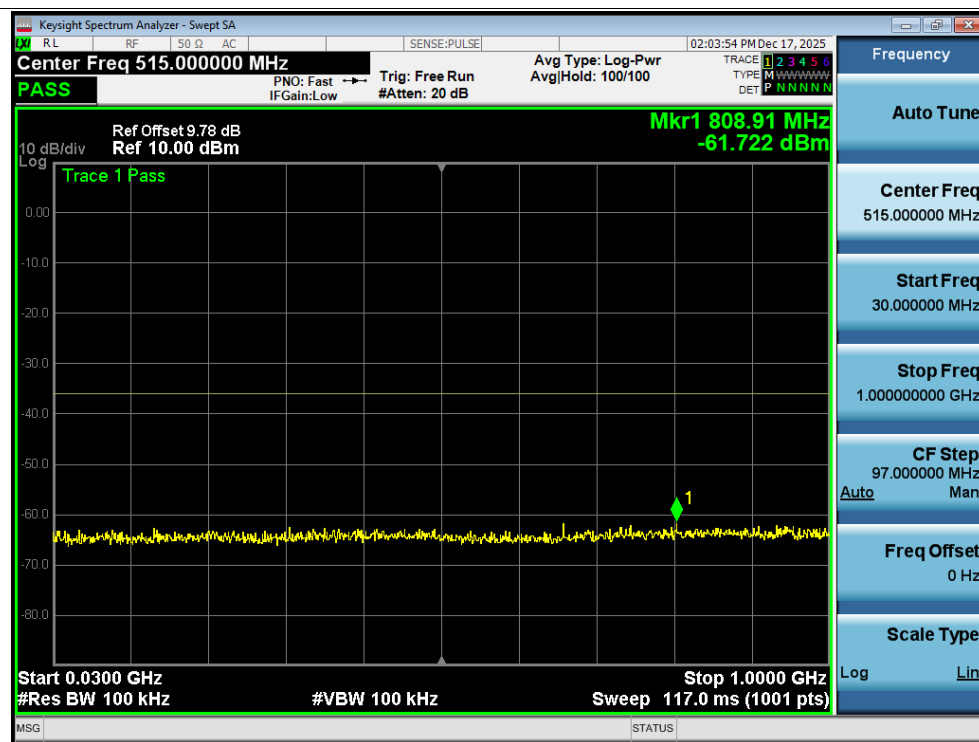
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



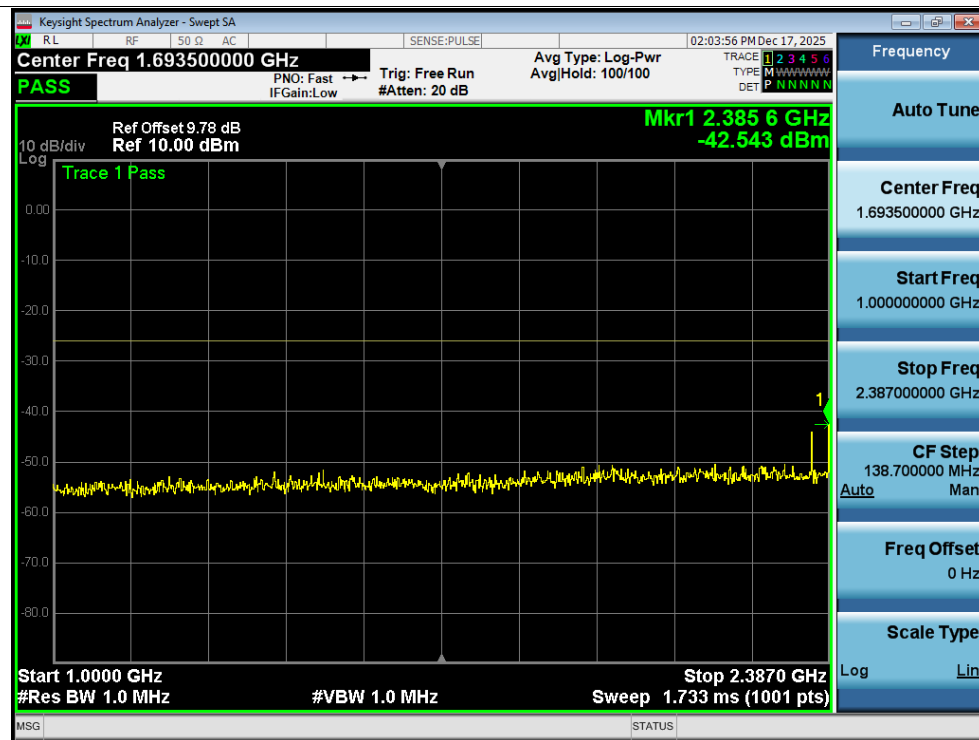
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2496.5MHz-13000MHz



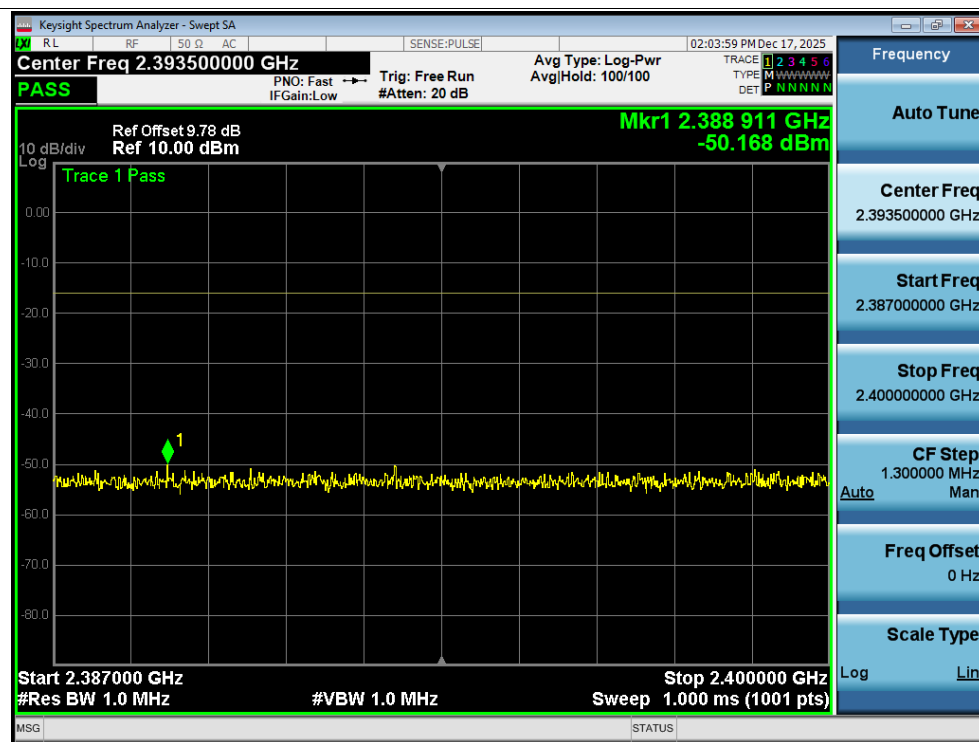
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



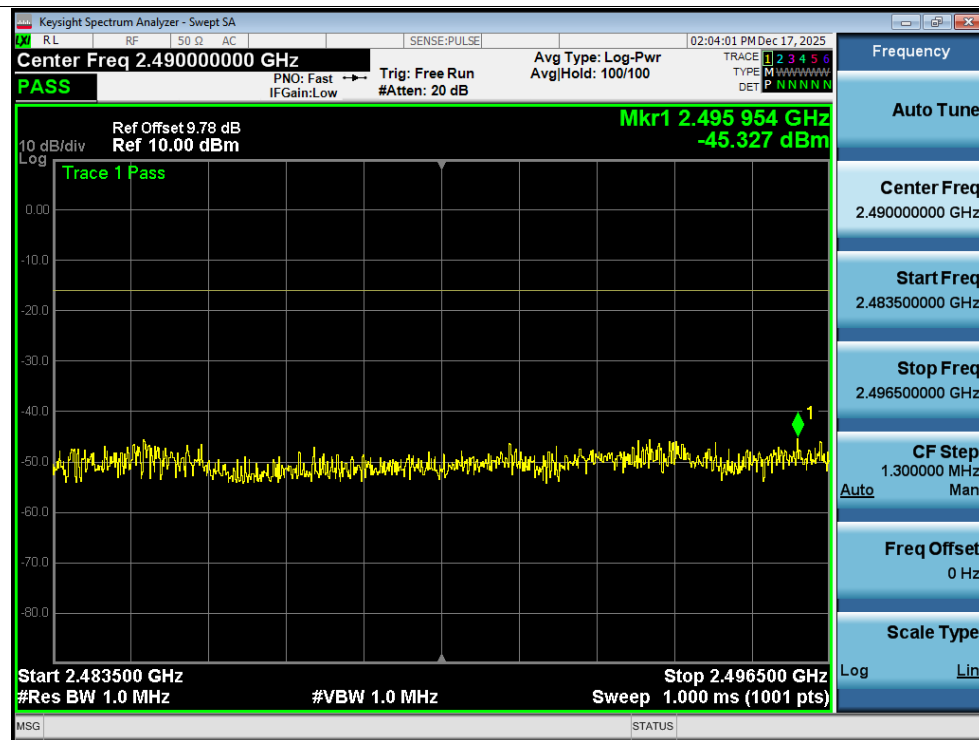
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 1000MHz-2387MHz



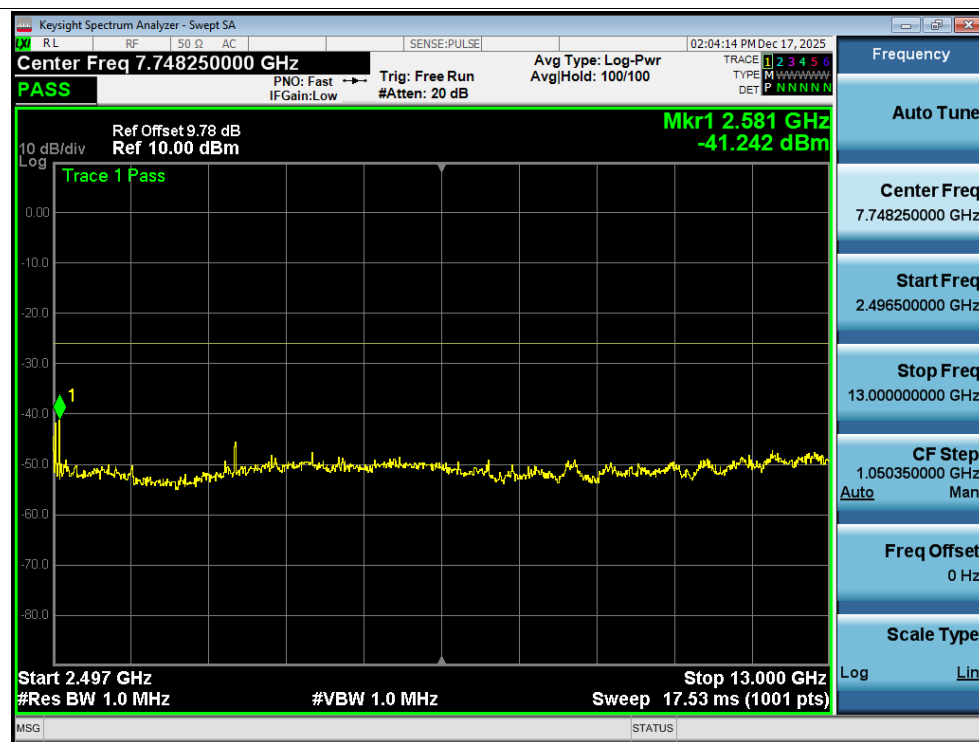
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2387MHz-2400MHz



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



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

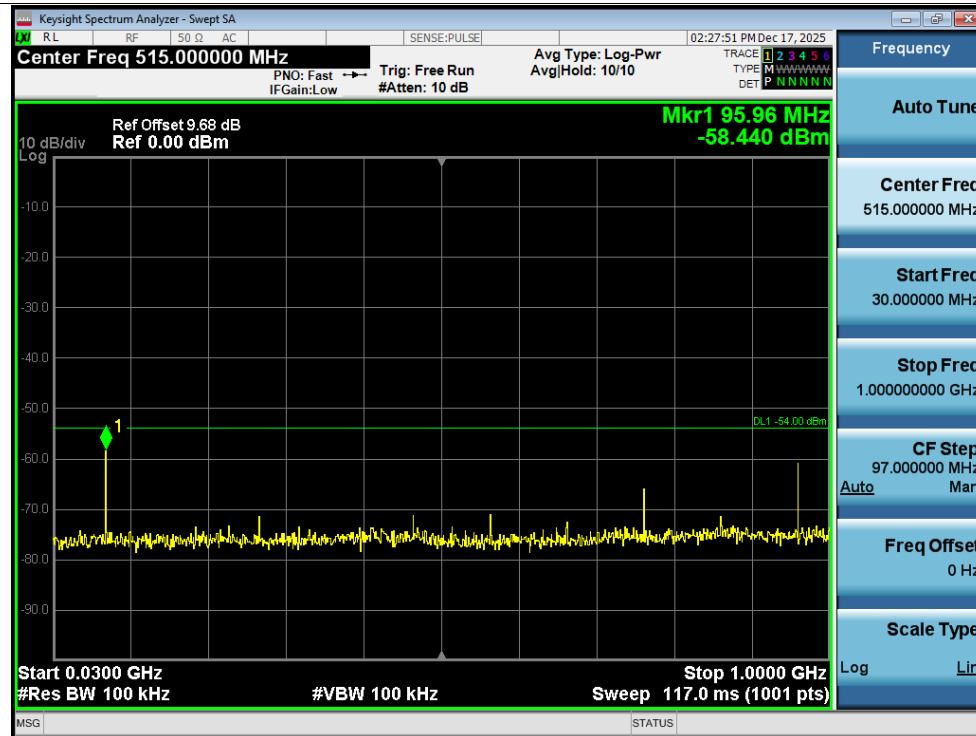


Rx Spurious Emission

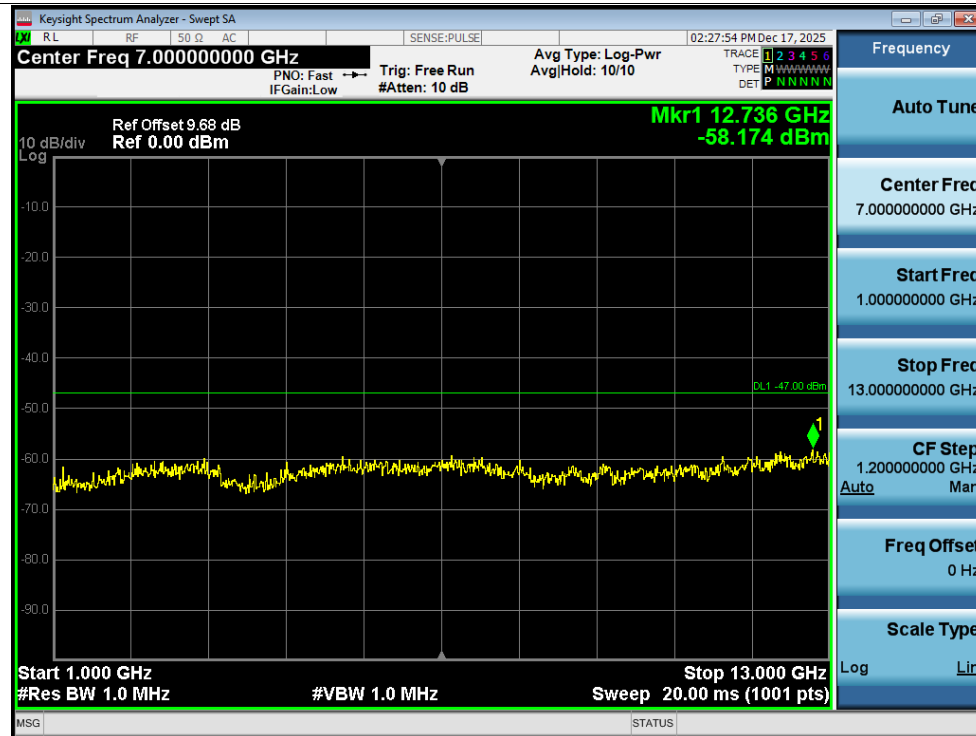
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	95.96	-58.44	-54	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	12736	-58.17	-47	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	95.96	-58.31	-54	Pass
NVNT	BLE 1M	2440	Ant1	1000-13000	12772	-56.95	-47	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	95.96	-58.33	-54	Pass
NVNT	BLE 1M	2480	Ant1	1000-13000	11752	-57.36	-47	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	95.96	-58.82	-54	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	12232	-58.48	-47	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	95.96	-59.23	-54	Pass
NVNT	BLE 2M	2440	Ant1	1000-13000	12760	-58.33	-47	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	95.96	-58.61	-54	Pass
NVNT	BLE 2M	2480	Ant1	1000-13000	12124	-58.68	-47	Pass

Test Graphs

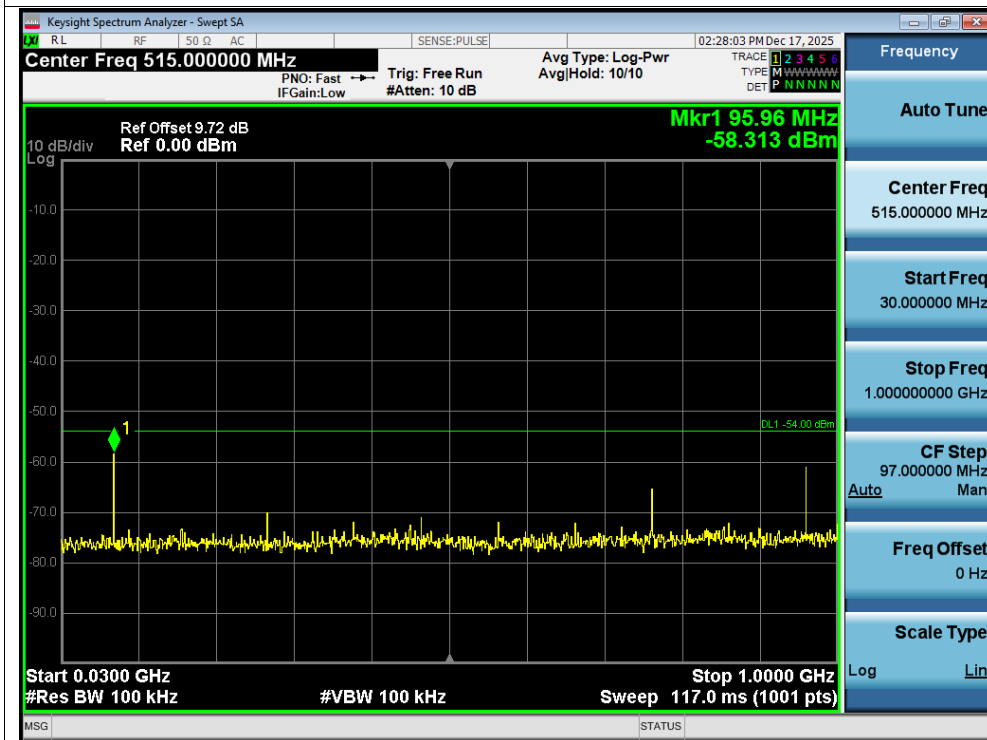
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



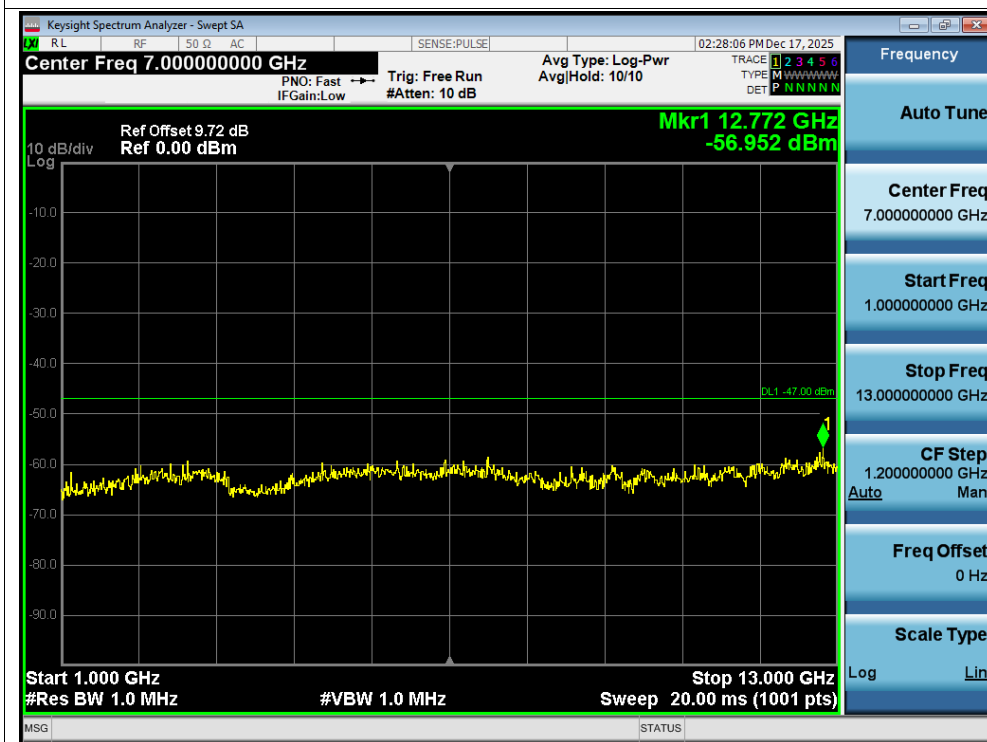
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz



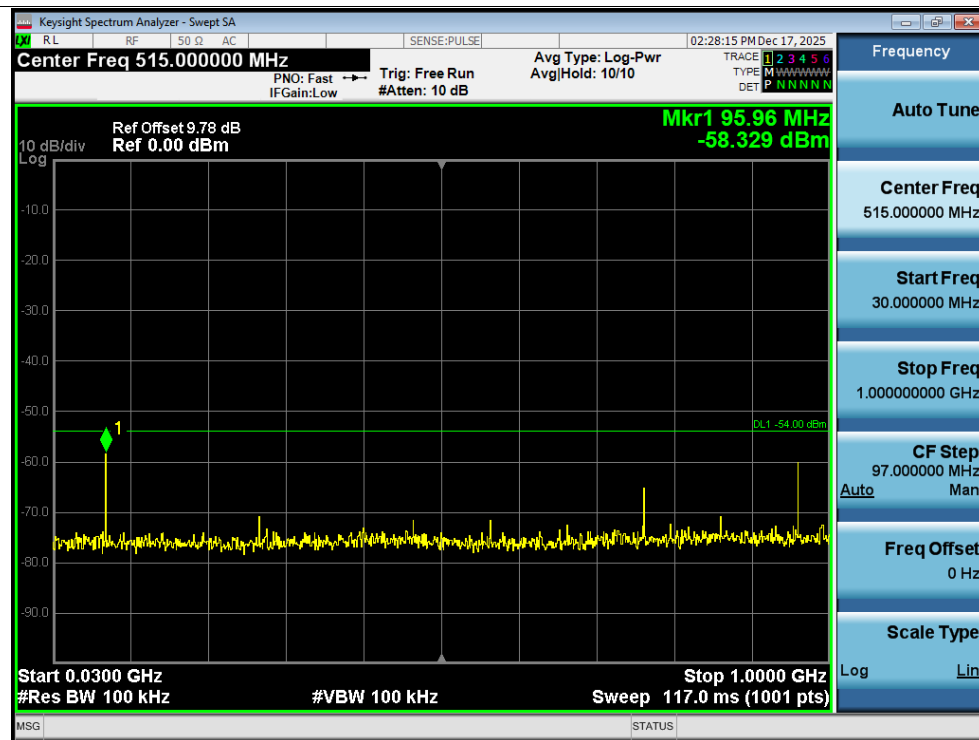
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



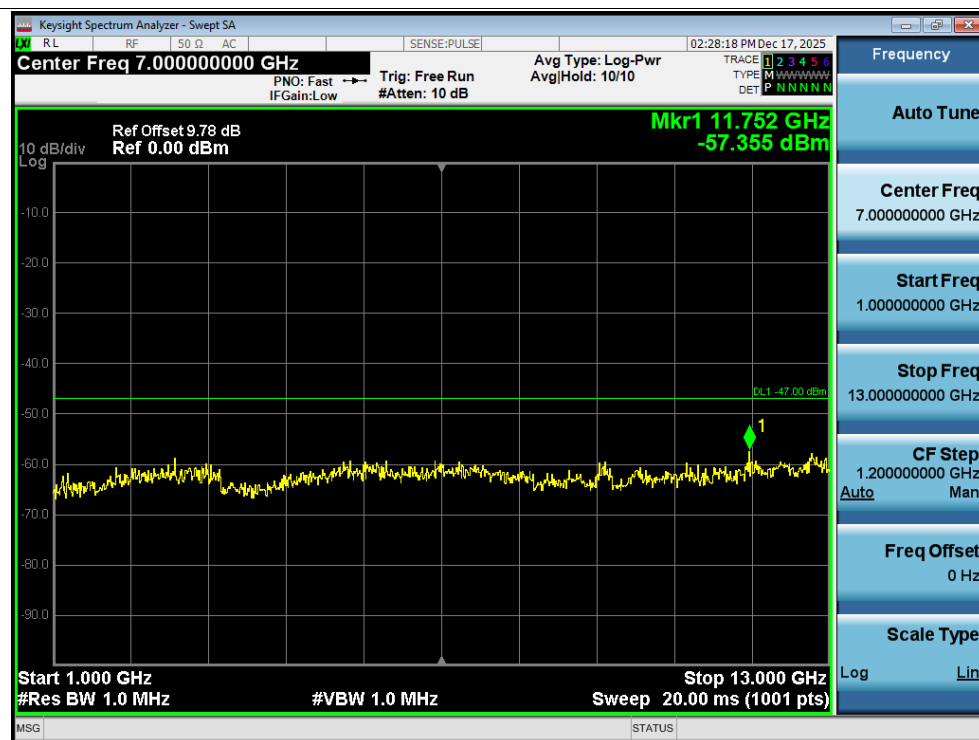
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-13000MHz



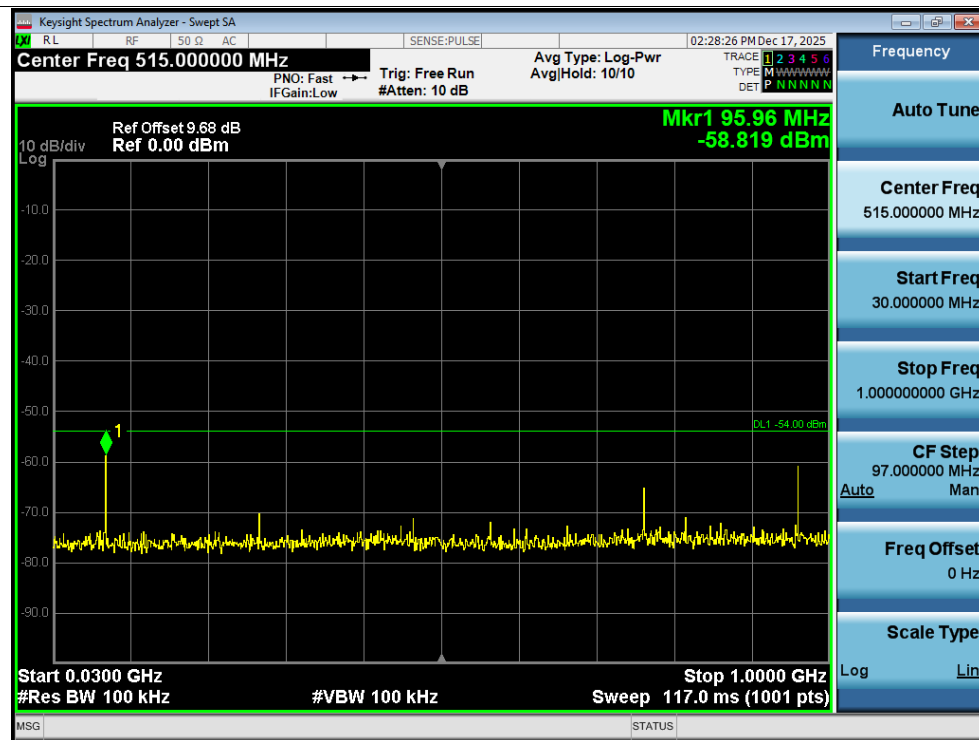
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



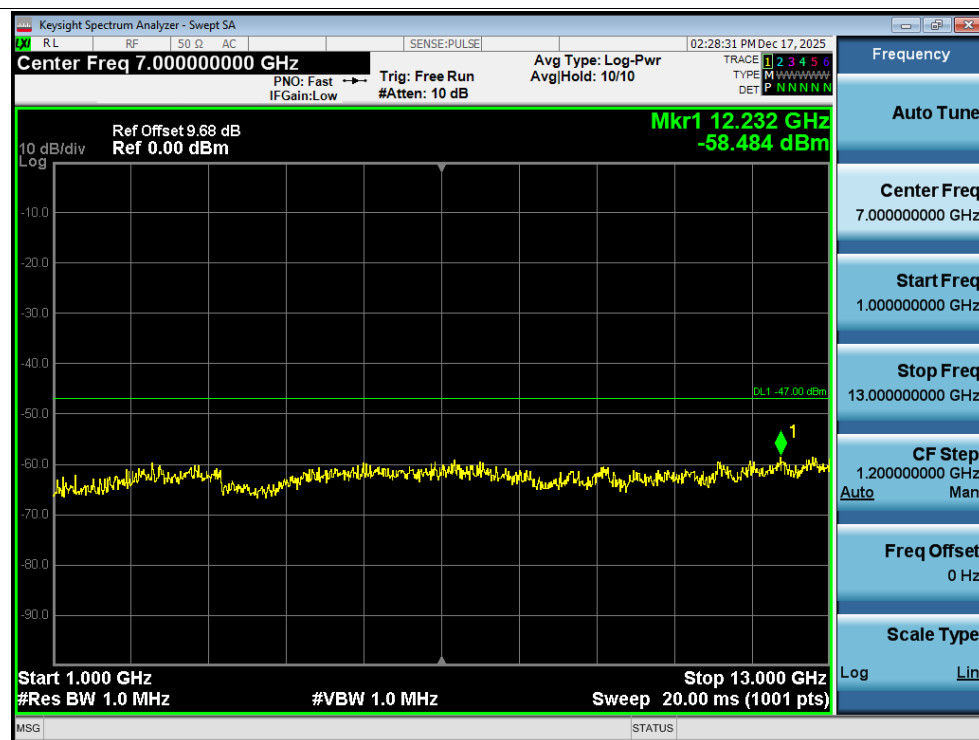
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-13000MHz



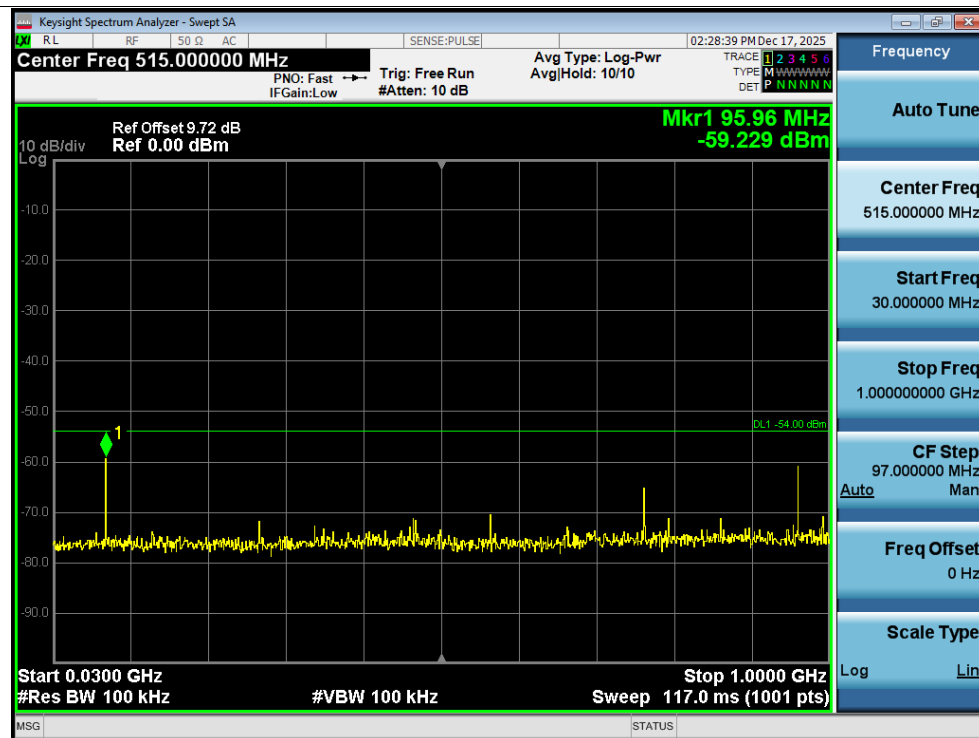
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



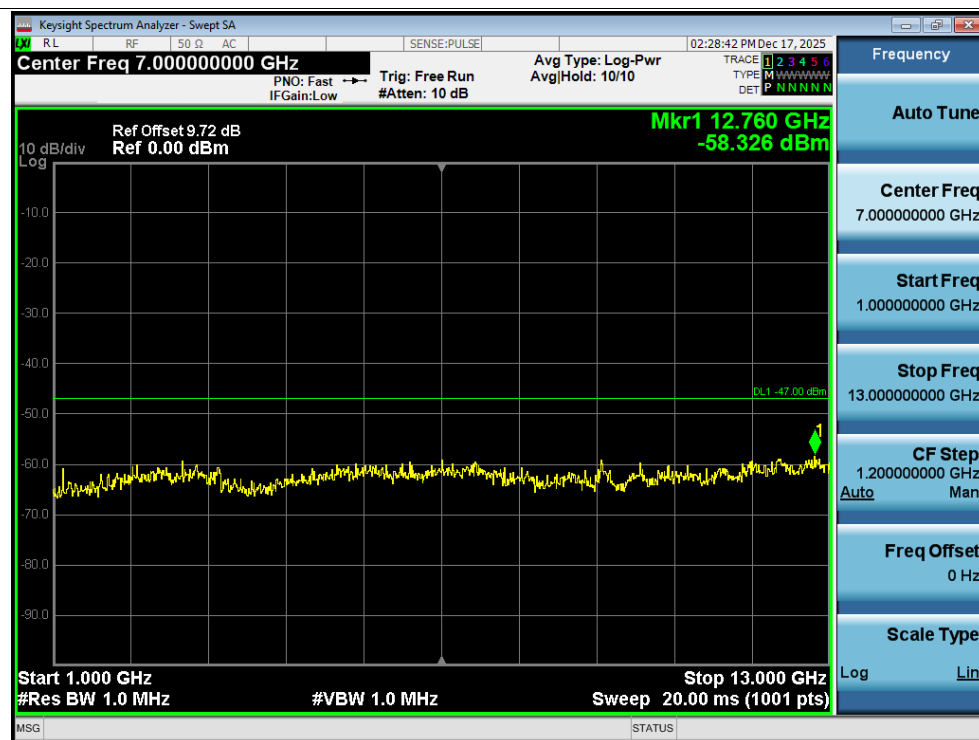
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-13000MHz



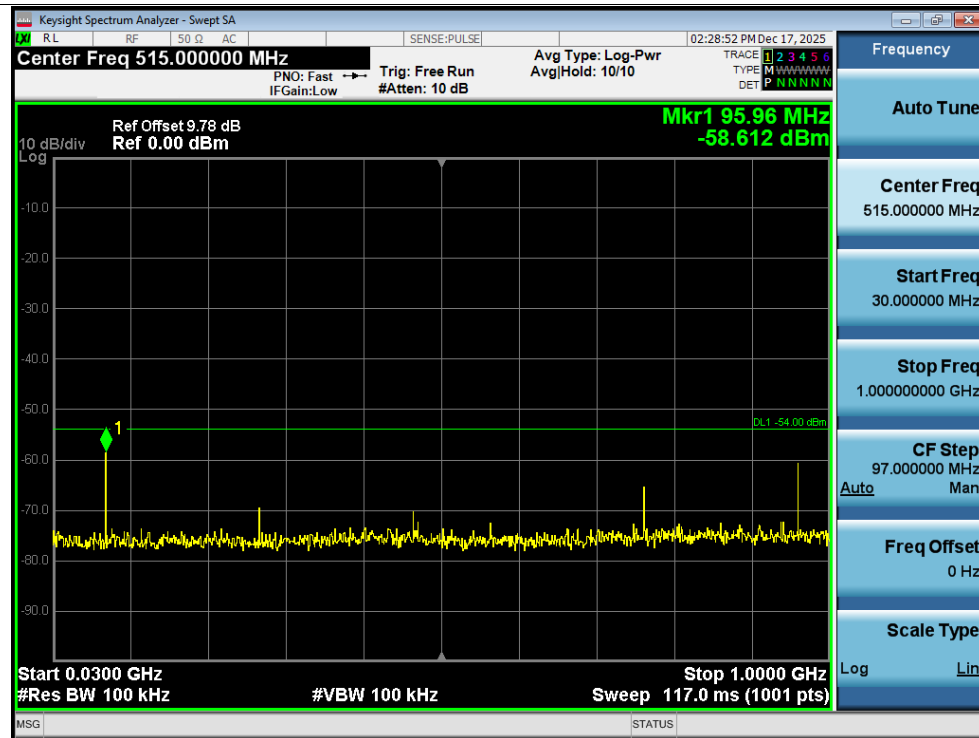
Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



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



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



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

