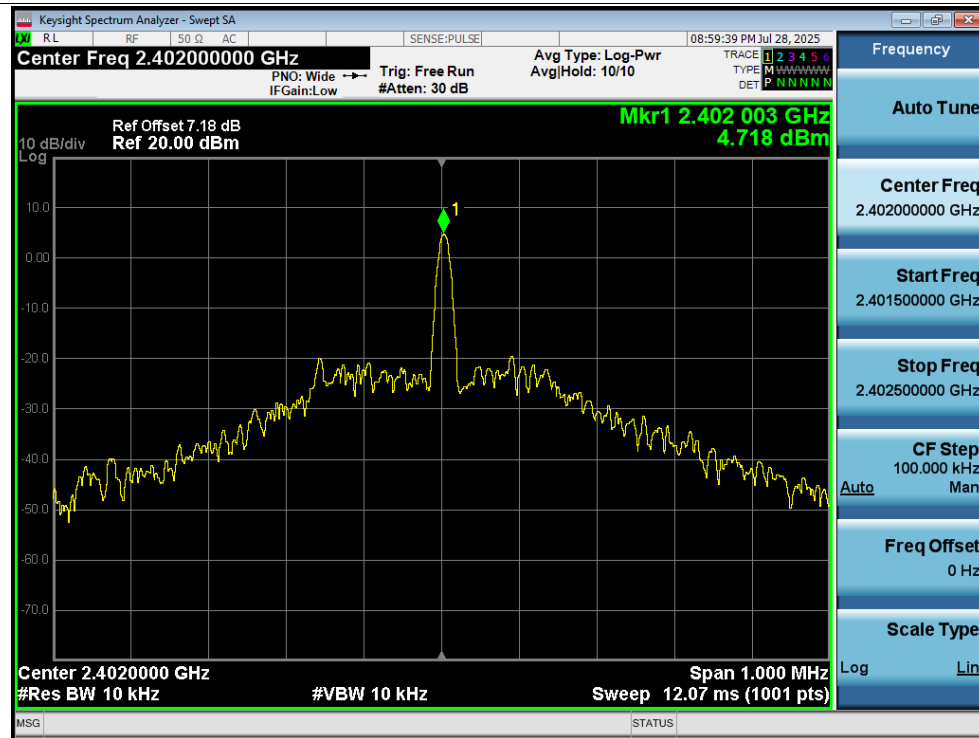


Frequency Error

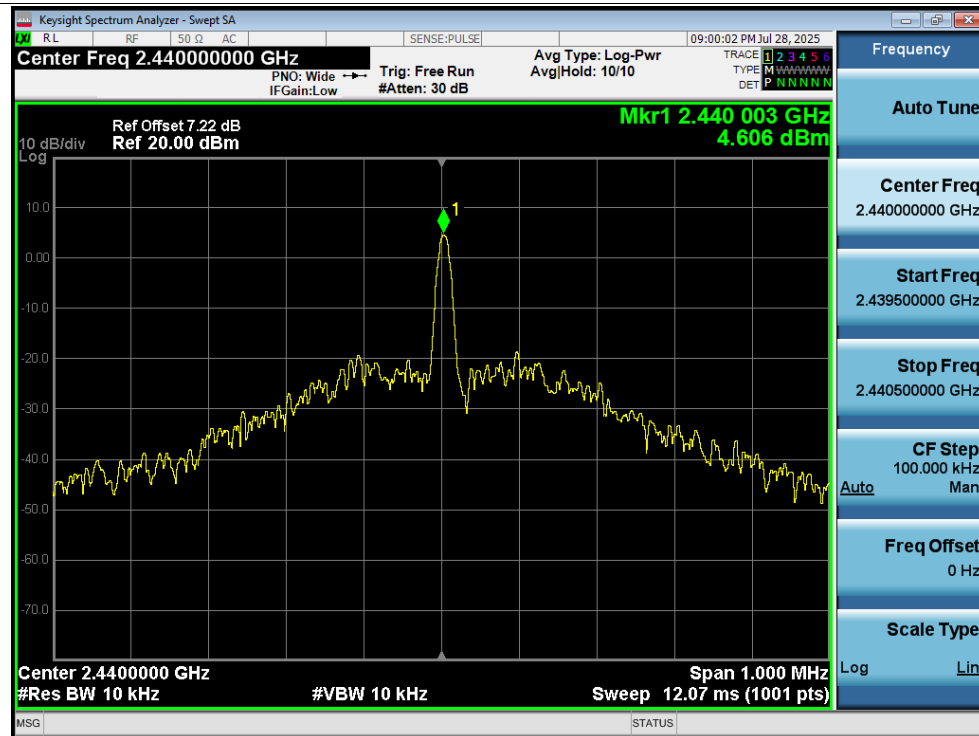
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	BLE 2M	2402	Ant1	2402.003	3000	1.25	50	Pass
NVNT	BLE 2M	2440	Ant1	2440.003	3000	1.23	50	Pass
NVNT	BLE 2M	2480	Ant1	2480.003	3000	1.21	50	Pass

Test Graphs

Freq. Error NVNT BLE 2M 2402MHz Ant1



Freq. Error NVNT BLE 2M 2440MHz Ant1



Freq. Error NVNT BLE 2M 2480MHz Ant1



Antenna Power

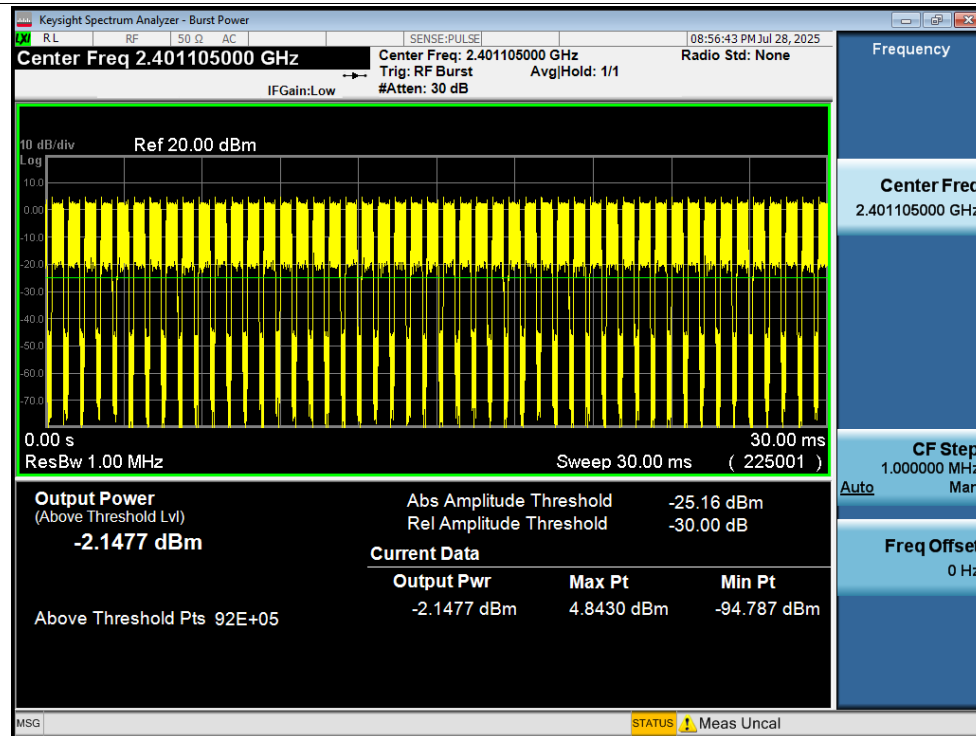
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Antenna Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Lower Limit (%)	Verdict
NVNT	BLE 2M	2402	Ant1	-2.15	0.61	10	0.6	1.67	20	-80	Pass
NVNT	BLE 2M	2440	Ant1	-2.18	0.606	10	0.6	1	20	-80	Pass
NVNT	BLE 2M	2480	Ant1	-4.01	0.397	10	0.6	-33.83	20	-80	Pass

Test Graphs

Power NVNT BLE 2M 2402 MHz Ant1 Pre Scan



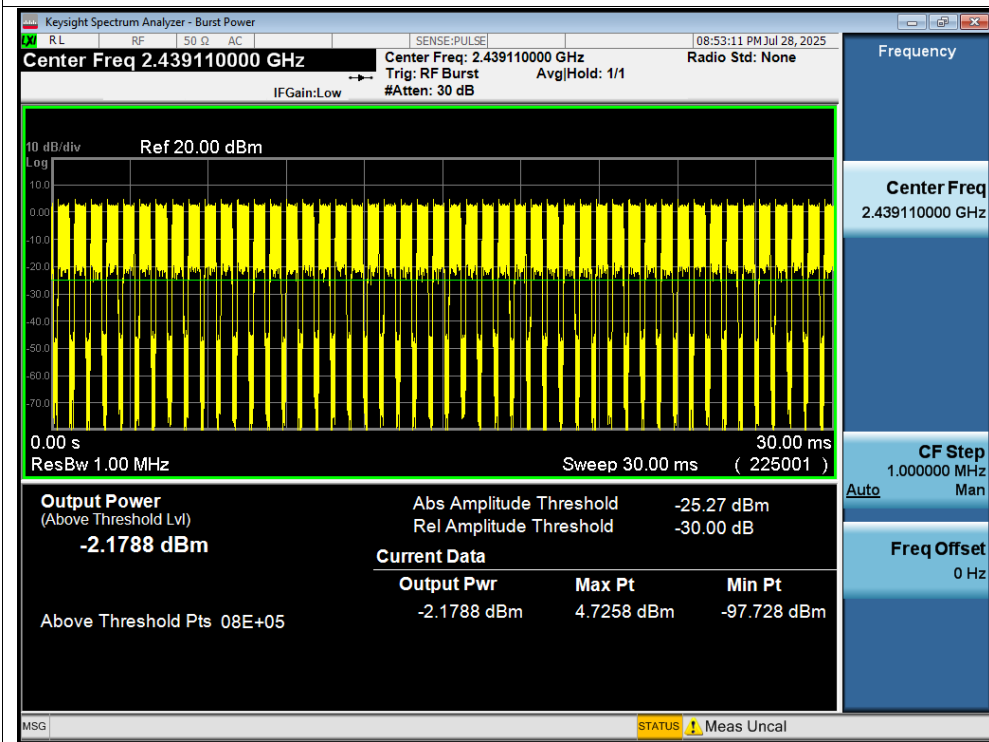
Power NVNT BLE 2M 2402 MHz Ant1 Zero Span



Power NVNT BLE 2M 2440 MHz Ant1 Pre Scan



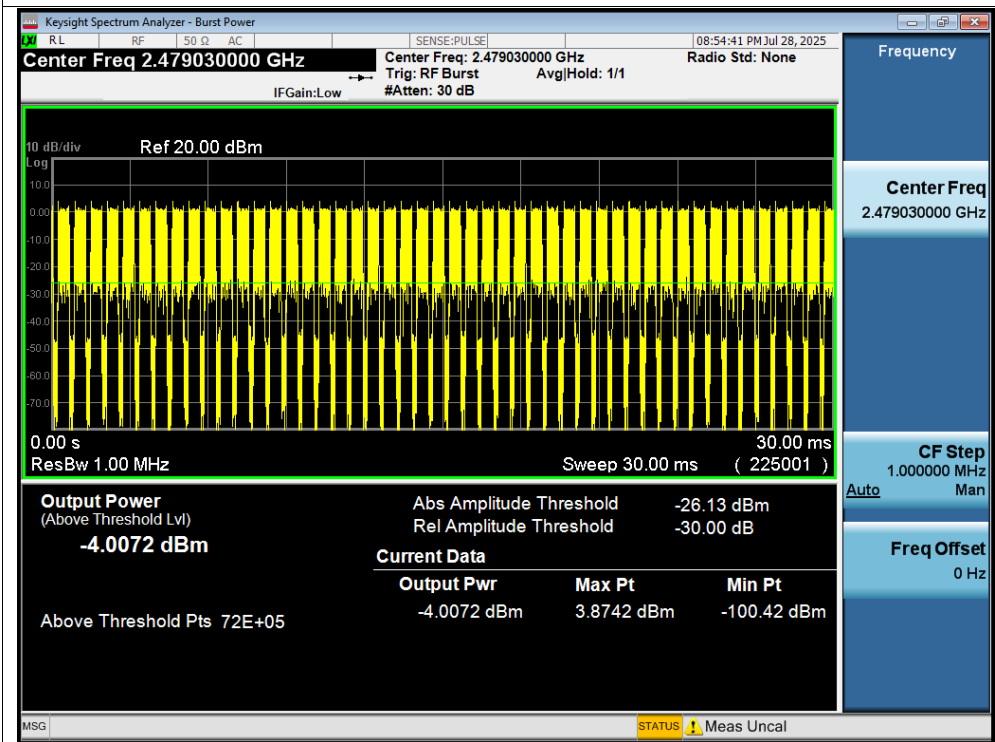
Power NVNT BLE 2M 2440 MHz Ant1 Zero Span



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 2M	2402	Ant1	-2.15	2.499	0.35	12.14	Pass
NVNT	BLE 2M	2440	Ant1	-2.18	2.499	0.32	12.14	Pass
NVNT	BLE 2M	2480	Ant1	-4.01	2.499	-1.51	12.14	Pass

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	2.686	N/A	26	Pass
NVNT	BLE 2M	2440	Ant1	2.568	N/A	26	Pass
NVNT	BLE 2M	2480	Ant1	2.797	N/A	26	Pass

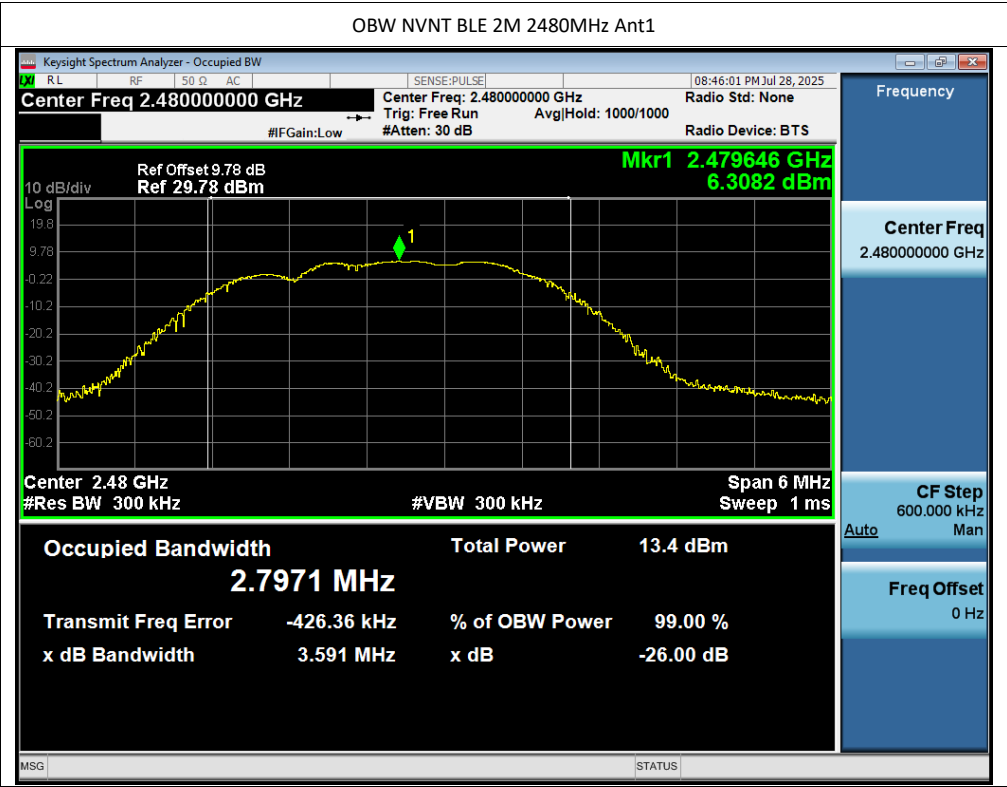
Test Graphs

OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2440MHz Ant1





Tx Spurious Emission

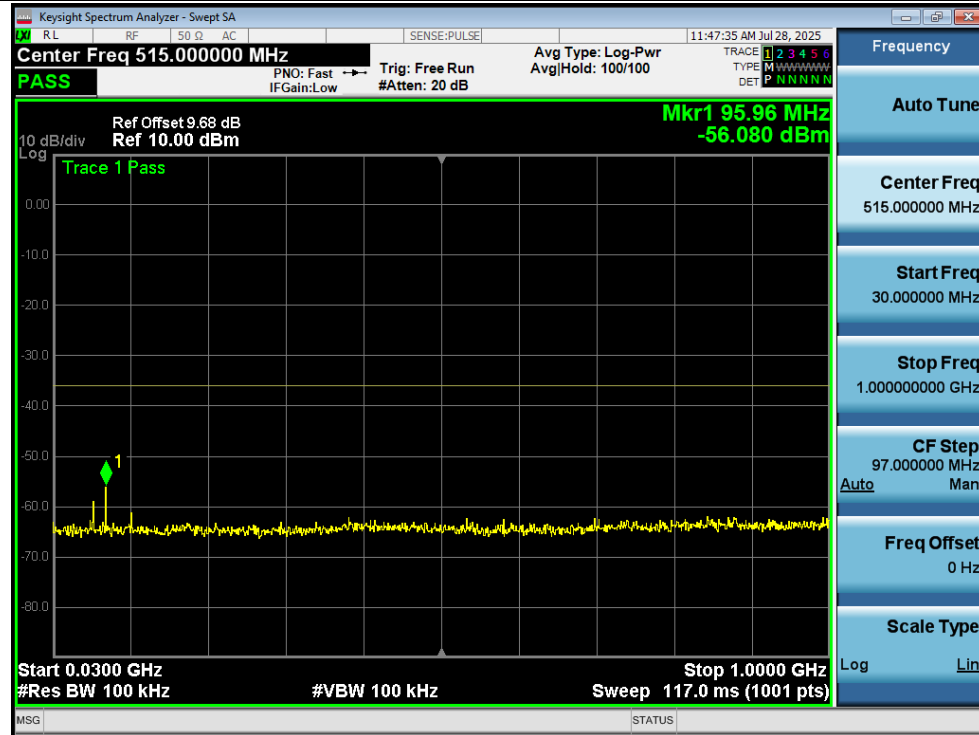
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/100kHz)	Limit Start(dBm/100kHz)	Limit Stop (dBm/100kHz)	Verdict
NVNT	BLE 2M	2402	Ant1	30-1000	95.96	-56.08	-36	-36	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	95.96	-54.33	-36	-36	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	95.96	-55.11	-36	-36	Pass

Tx Spurious Emission

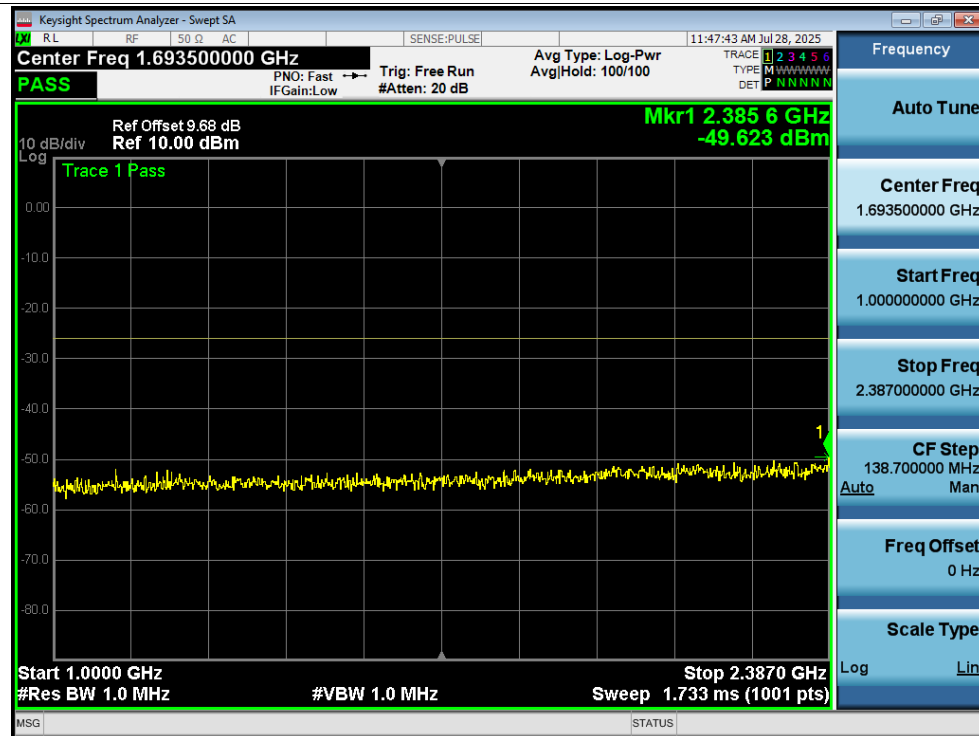
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit Start(dBm/MHz)	Limit Stop (dBm/MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	1000-2387	2385.61	-49.62	-26	-26	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2389.03	-50.31	-16	-16	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2483.55	-43.98	-16	-16	Pass
NVNT	BLE 2M	2402	Ant1	2496.5-13000	7443.65	-30.13	-26	-26	Pass
NVNT	BLE 2M	2440	Ant1	1000-2387	2263.56	-49.91	-26	-26	Pass
NVNT	BLE 2M	2440	Ant1	2387-2400	2392.04	-50.54	-16	-16	Pass
NVNT	BLE 2M	2440	Ant1	2483.5-2496.5	2492.4	-50.25	-16	-16	Pass
NVNT	BLE 2M	2440	Ant1	2496.5-13000	7317.61	-32.32	-26	-26	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	2255.23	-48.6	-26	-26	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2399.79	-50.08	-16	-16	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2483.64	-42.02	-16	-16	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	7443.65	-31.06	-26	-26	Pass

Test Graphs

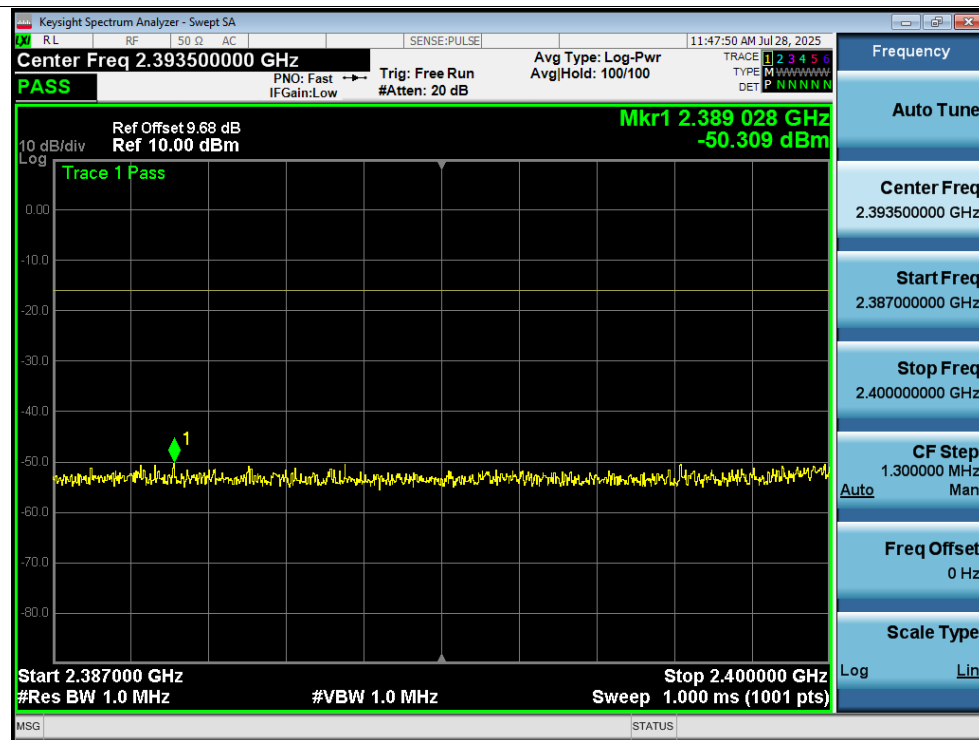
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



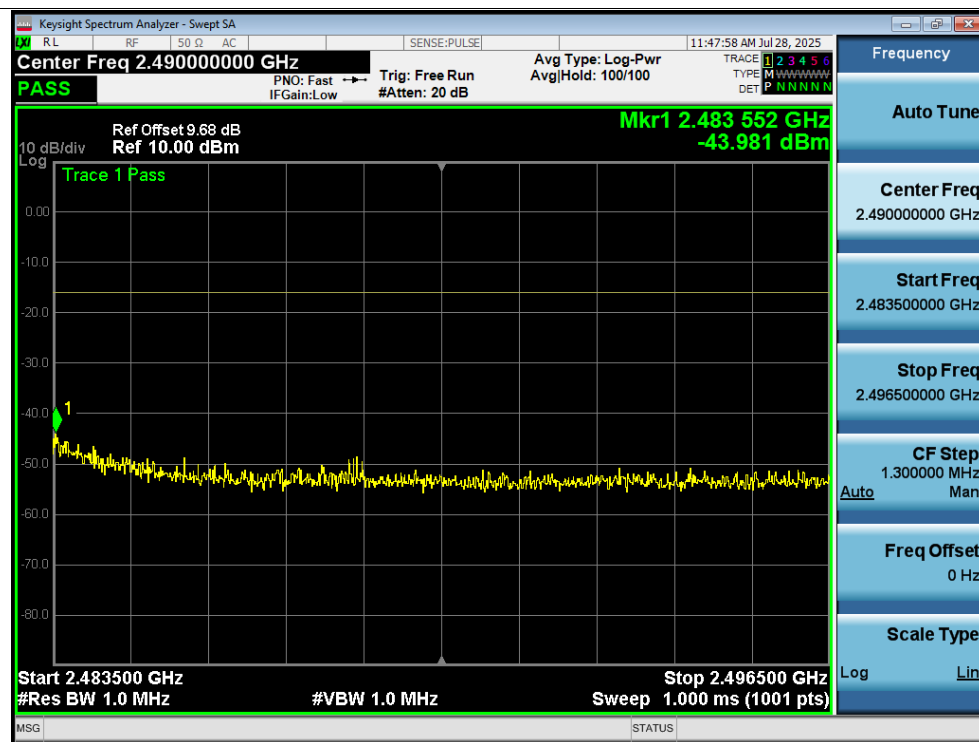
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-2387MHz



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



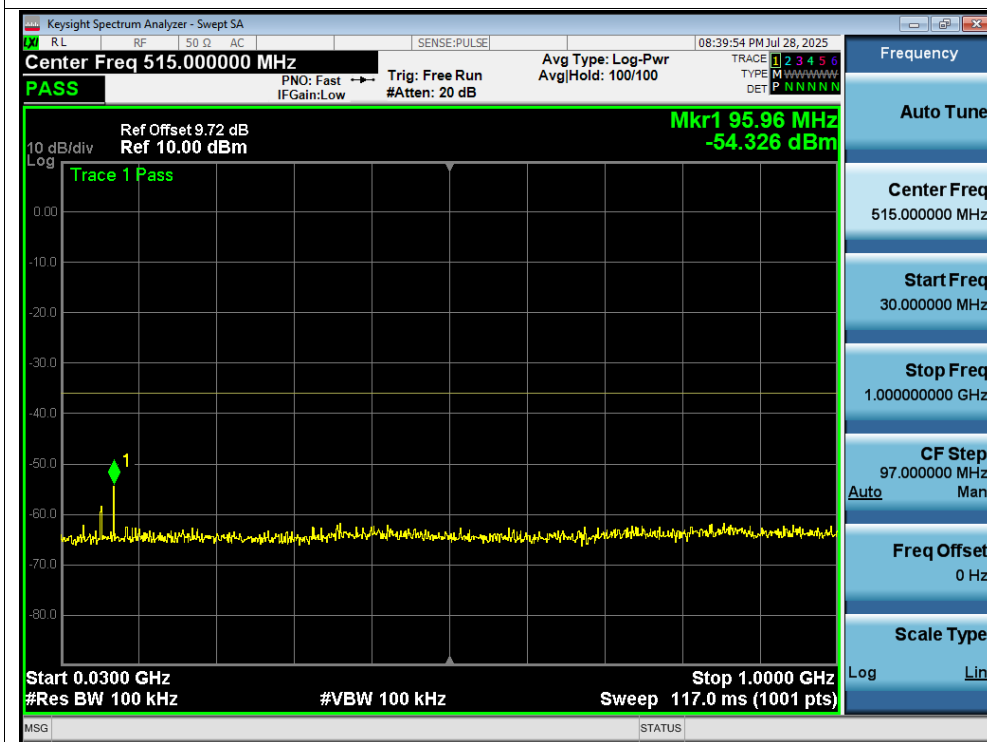
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



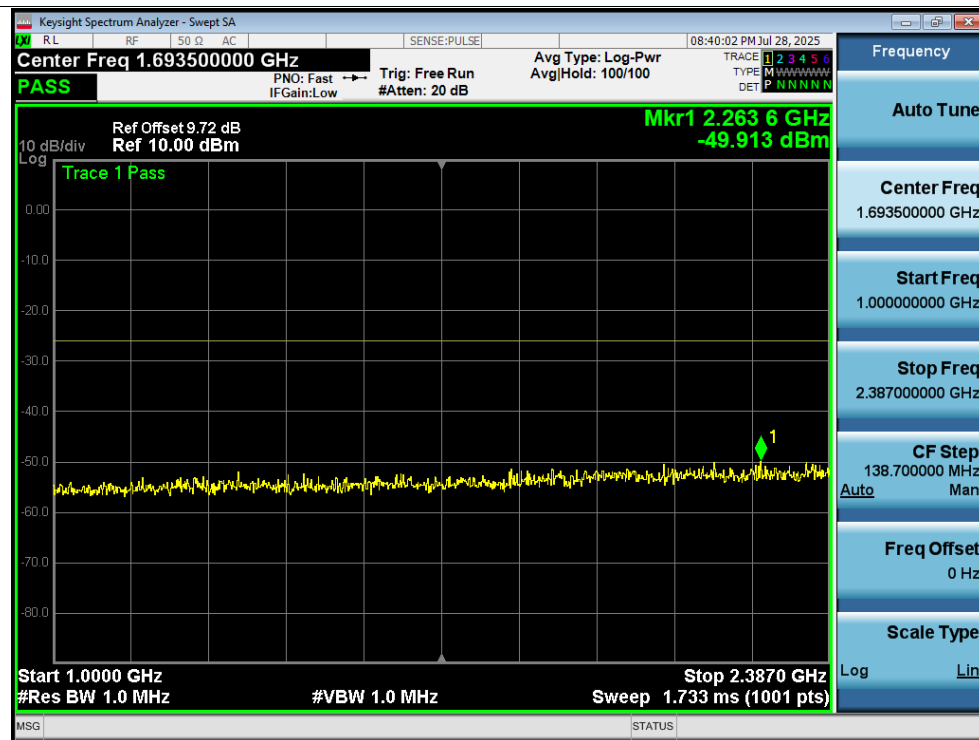
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2496.5MHz-13000MHz



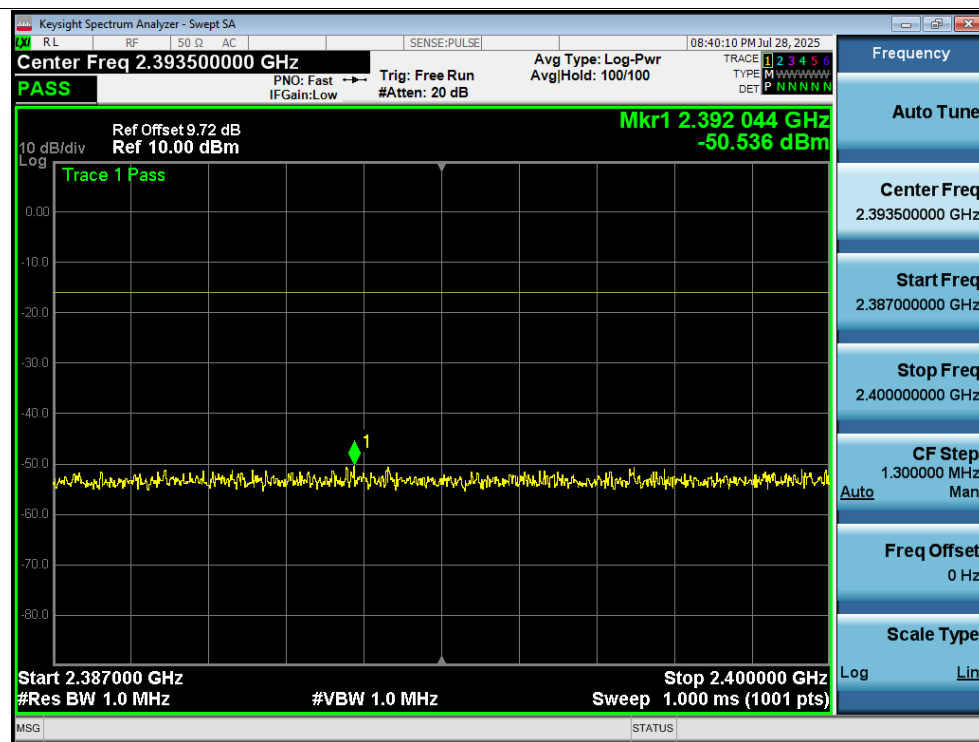
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



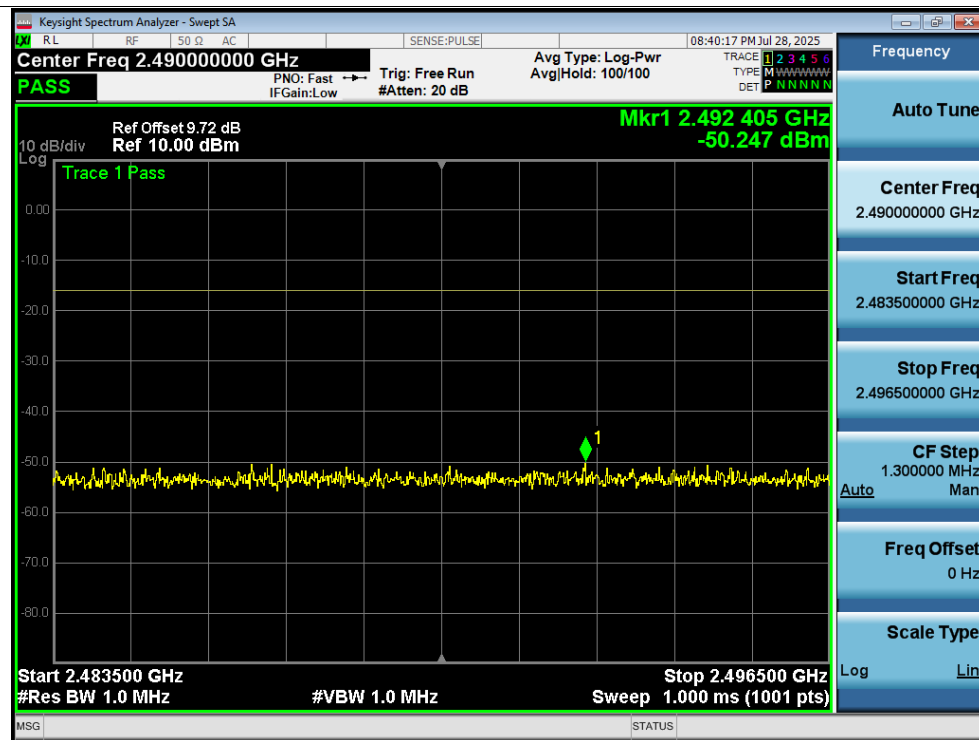
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-2387MHz



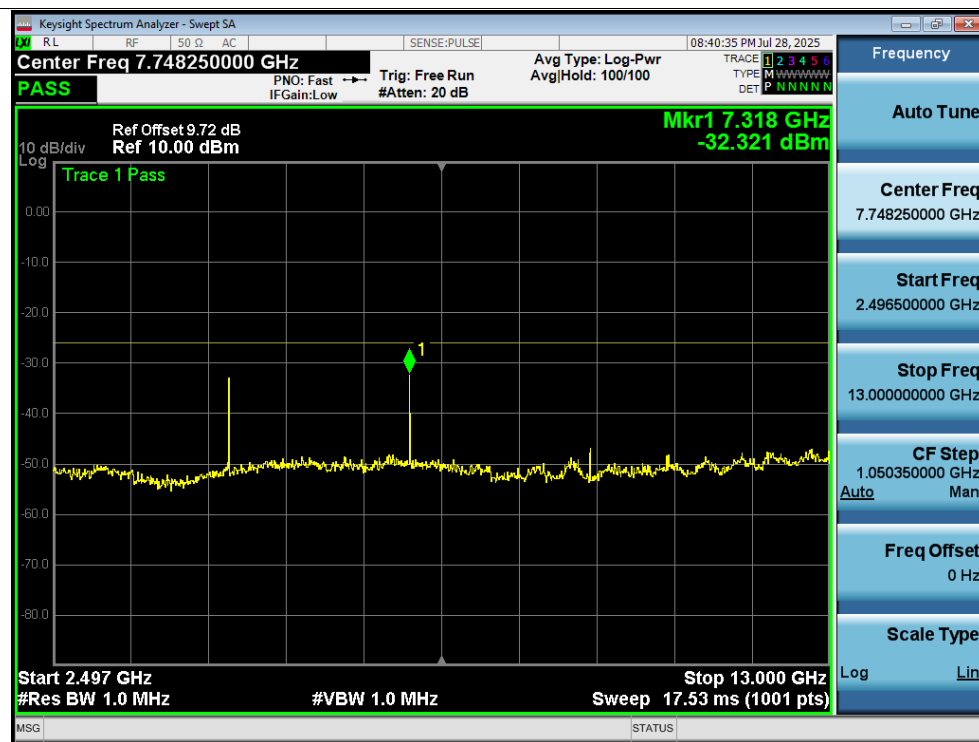
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2387MHz-2400MHz



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



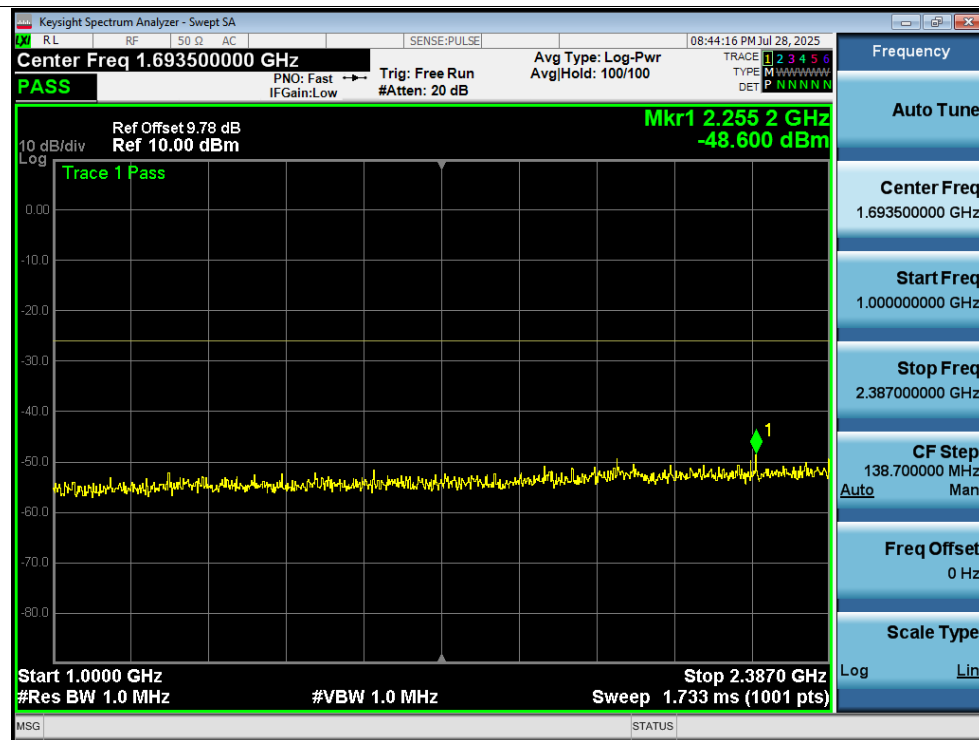
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2496.5MHz-13000MHz



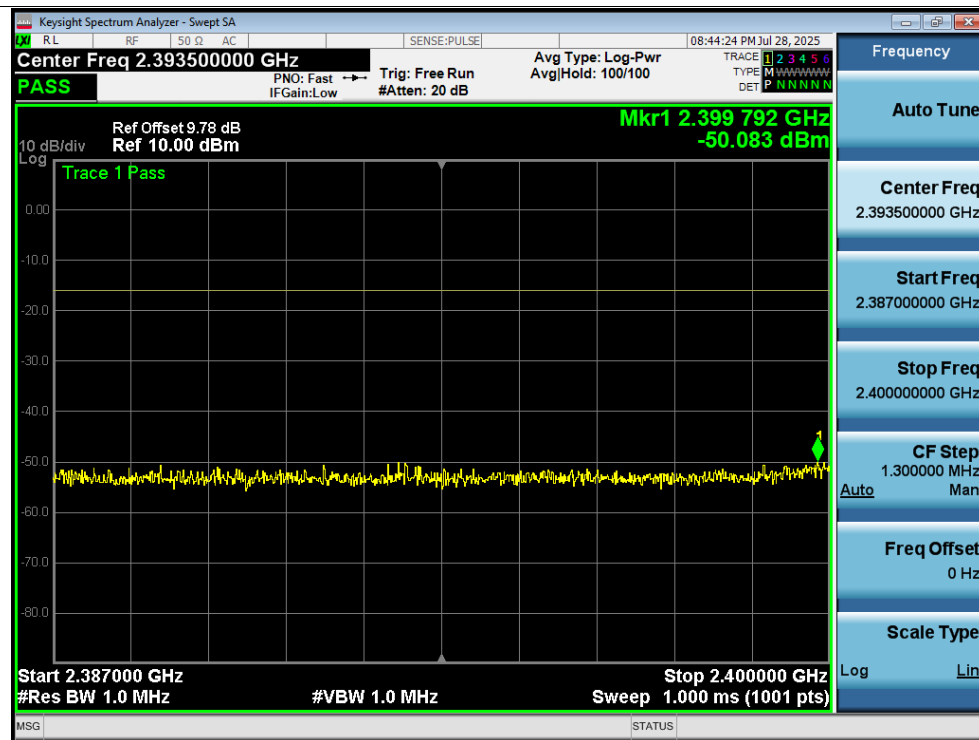
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



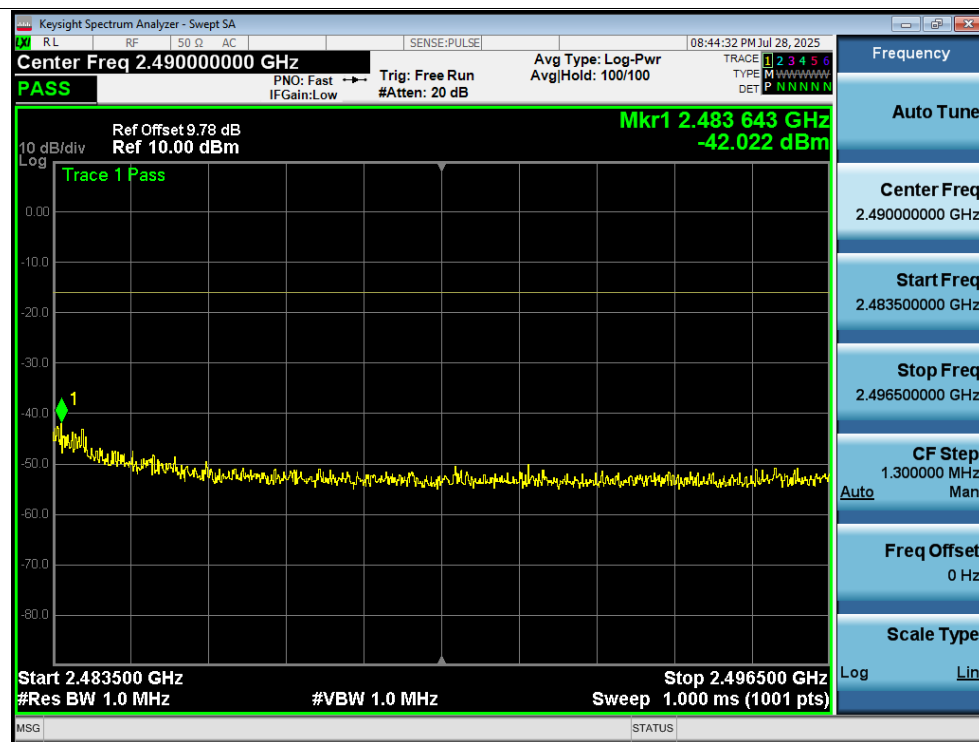
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 1000MHz-2387MHz



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

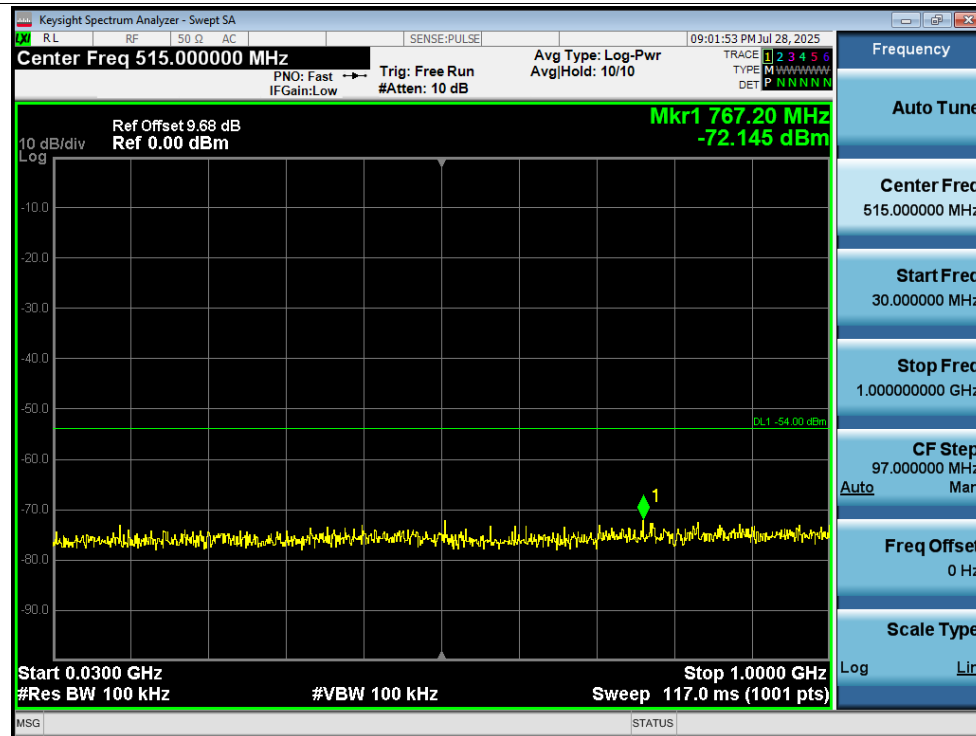


Rx Spurious Emission

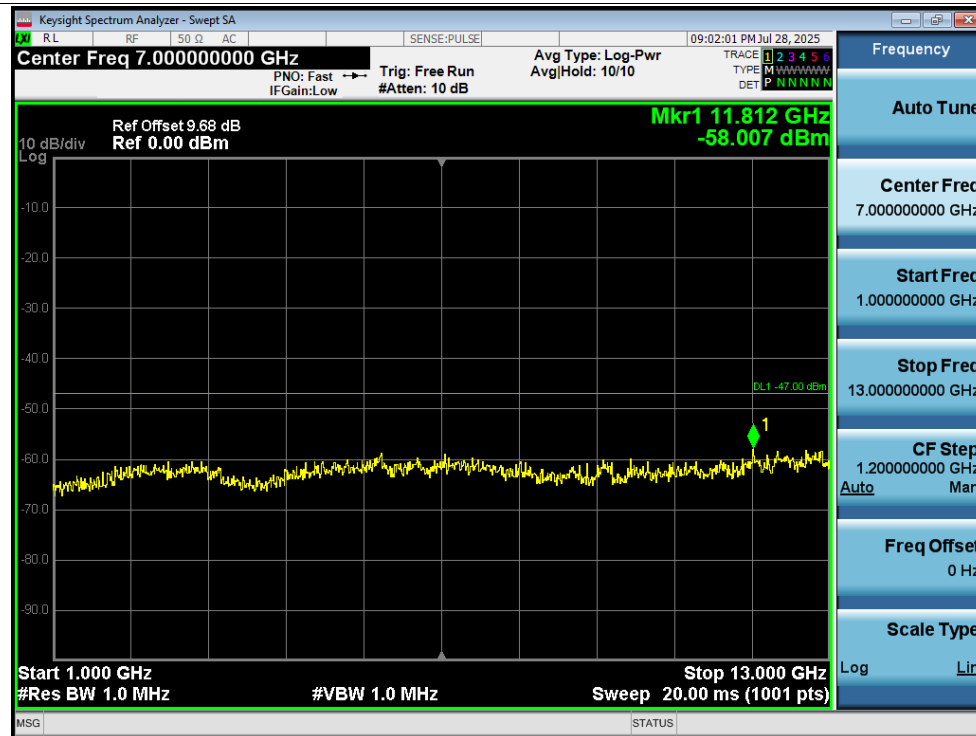
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	30-1000	767.2	-72.15	-54	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	11812	-58.01	-47	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	987.39	-71.78	-54	Pass
NVNT	BLE 2M	2440	Ant1	1000-13000	12760	-57.37	-47	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	424.79	-71.79	-54	Pass
NVNT	BLE 2M	2480	Ant1	1000-13000	12856	-57.31	-47	Pass

Test Graphs

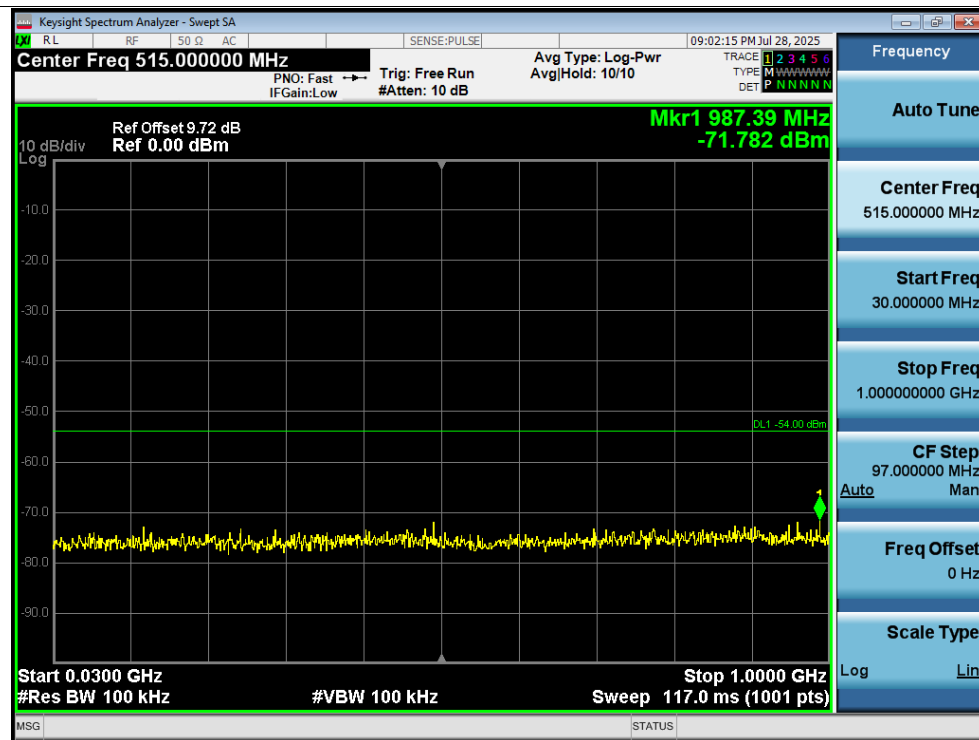
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



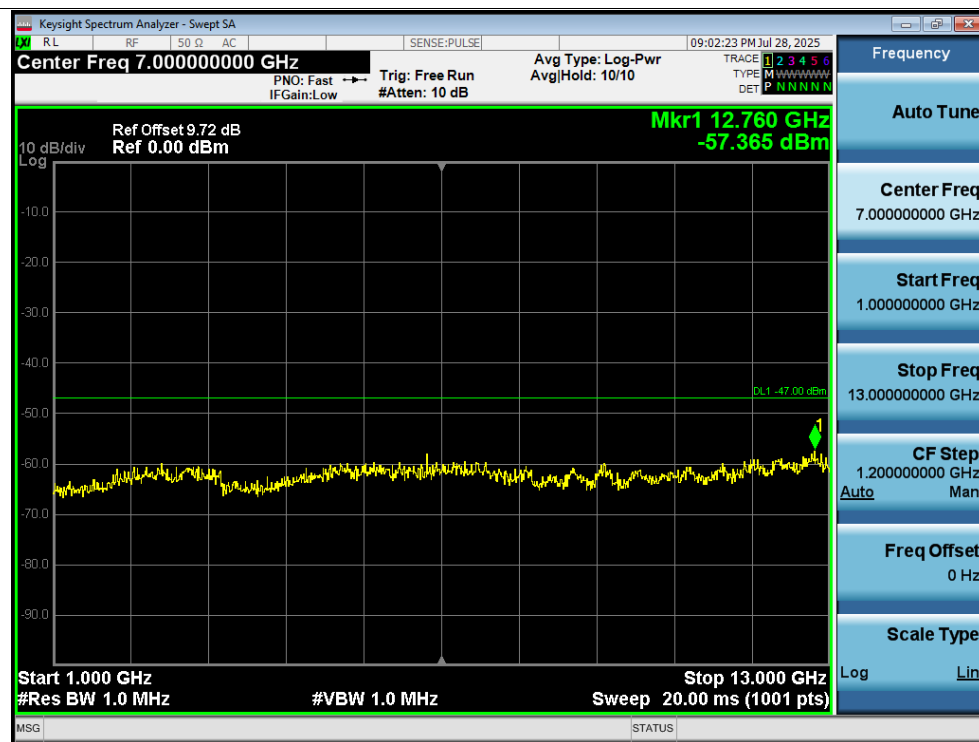
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-13000MHz



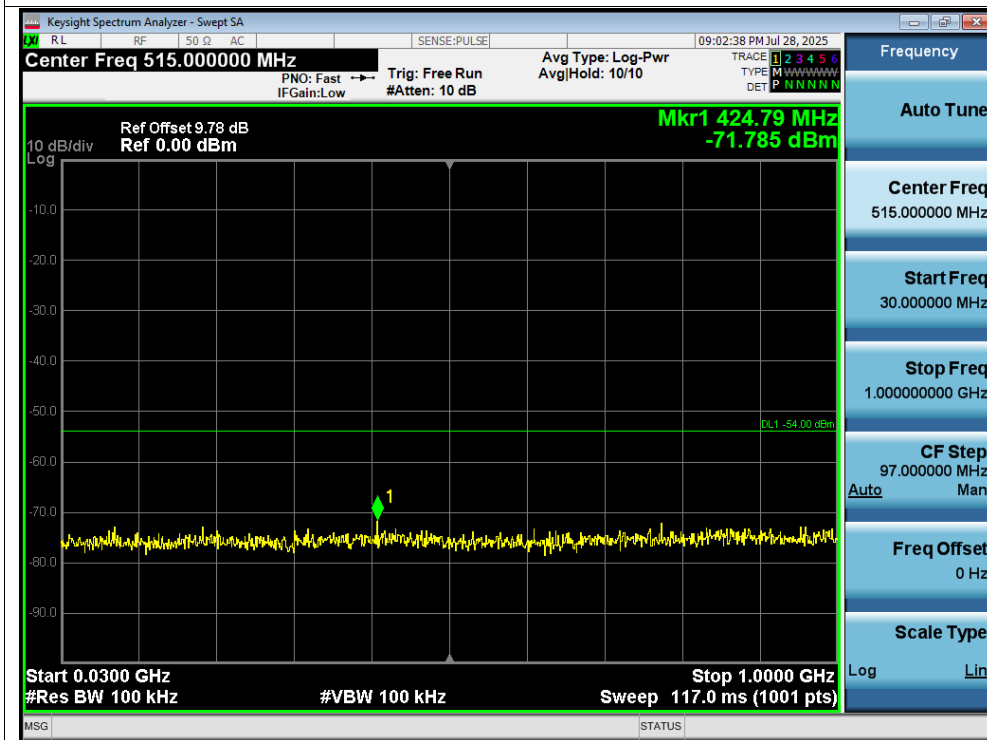
Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



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

