

Frequency Error

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2402	Ant1	2402.031	31000	12.91	50	Pass
NVNT	2440	Ant1	2440.031	31000	12.7	50	Pass
NVNT	2480	Ant1	2480.032	32000	12.9	50	Pass

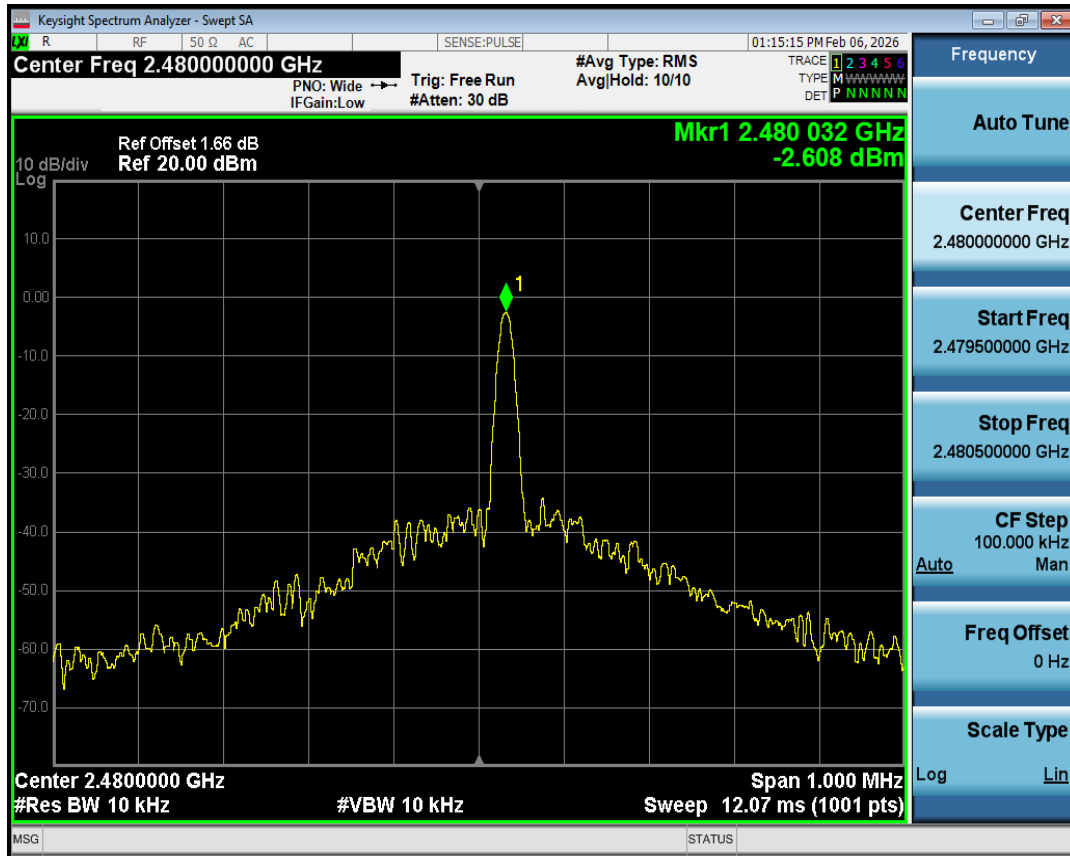


Freq. Error NVNT BLE 1M 2402MHz Ant1



Freq. Error NVNT BLE 1M 2440MHz Ant1

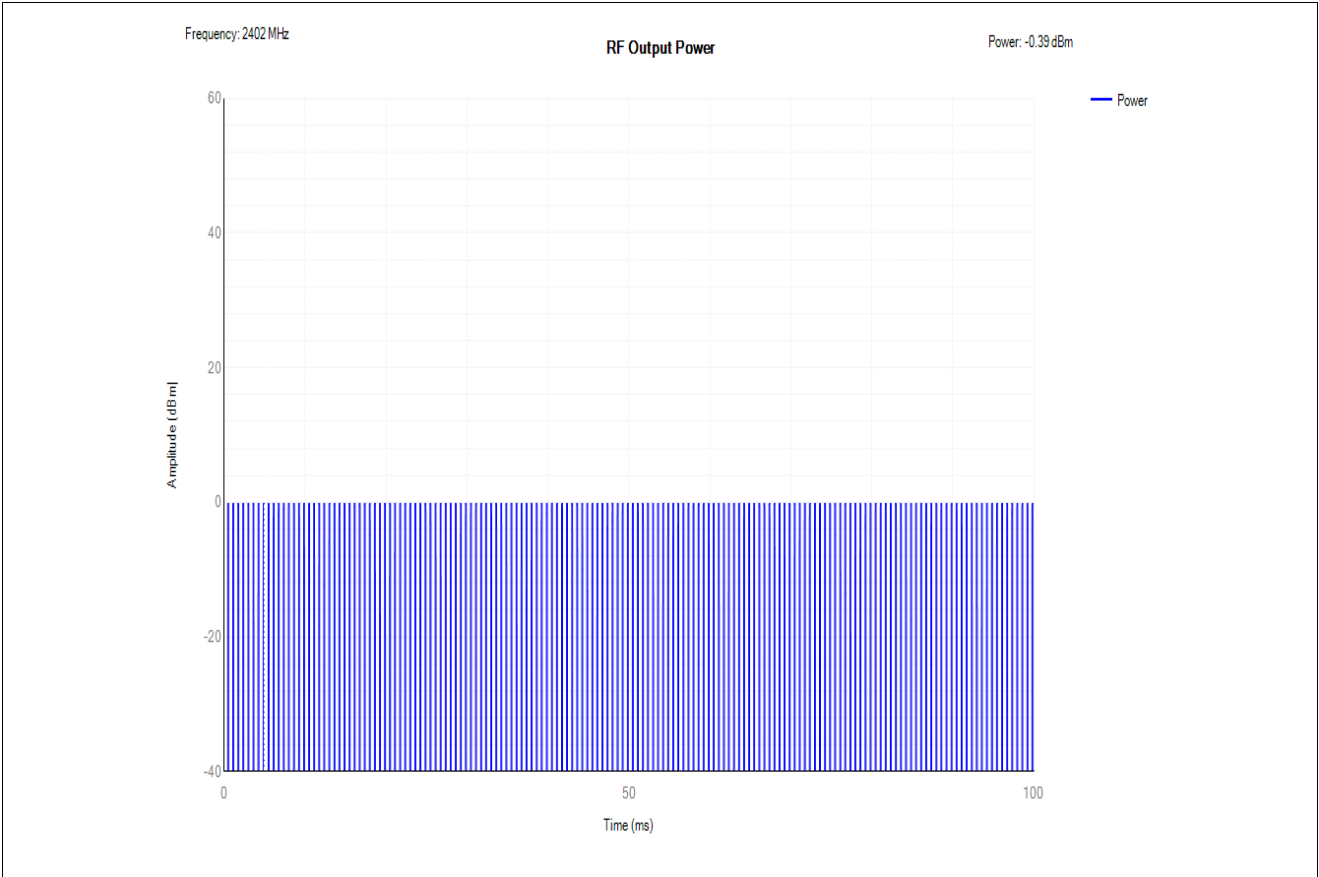
Report



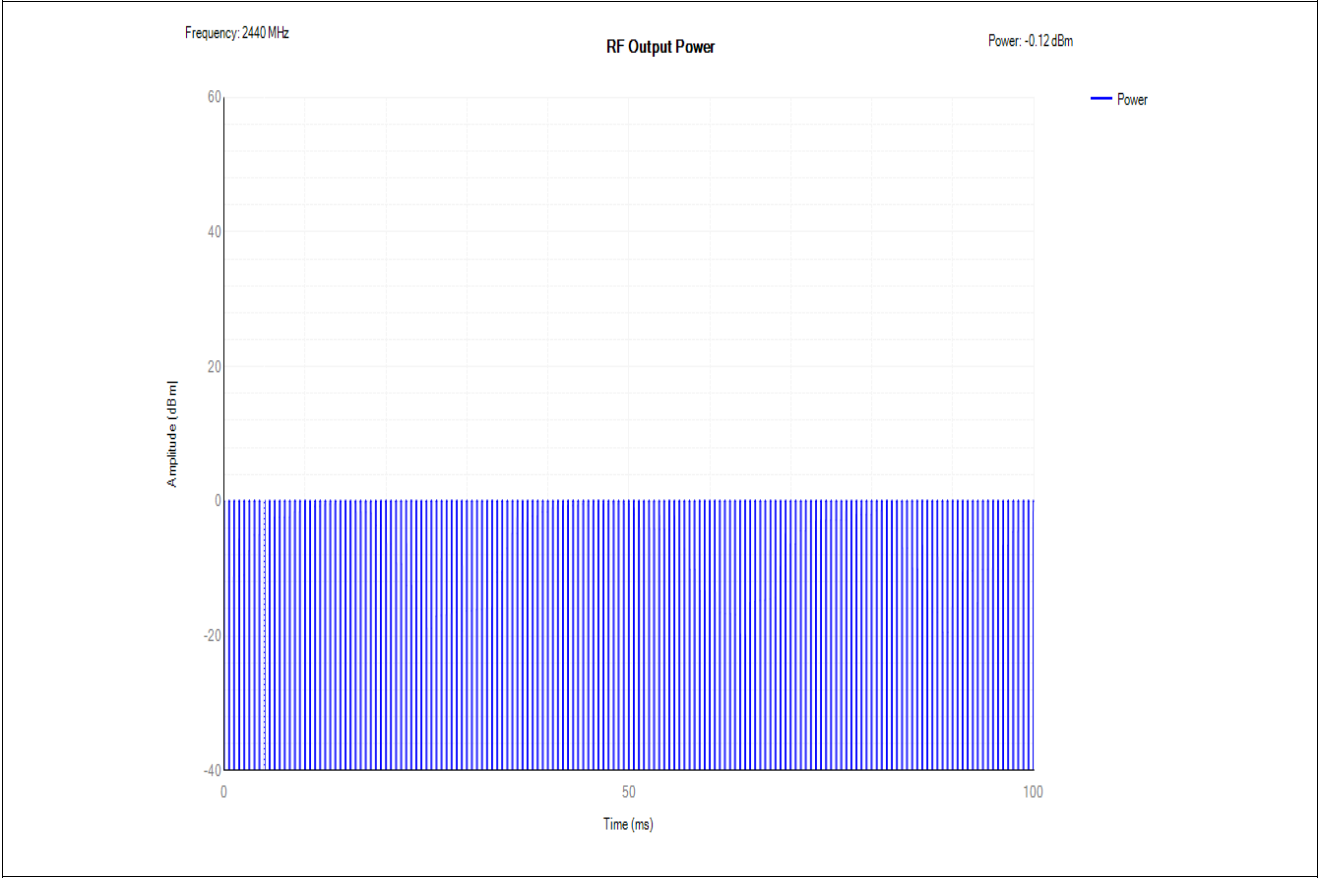
Freq. Error NVNT BLE 1M 2480MHz Ant1

Antenna Power

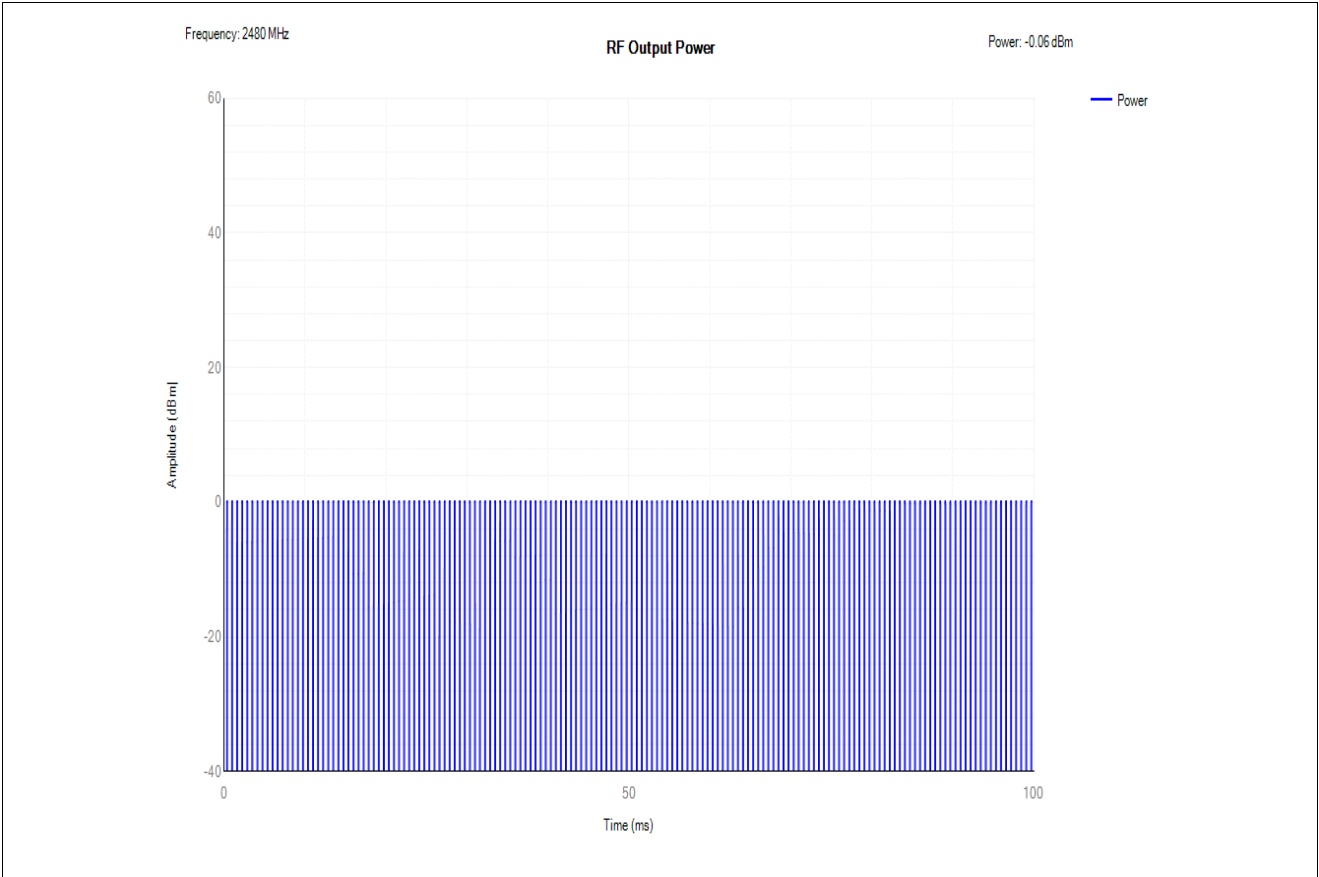
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.39	0.914	10	1.1	-16.91	20	Pass
		2440		-0.12	0.973	10	1.1	-11.55	20	Pass
		2480		-0.06	0.986	10	1.1	-10.36	20	Pass
	BLE 2M	2402		-0.52	0.887	10	1	-11.3	20	Pass
		2440		-0.21	0.953	10	1	-4.7	20	Pass
		2480		-0.15	0.966	10	1	-3.4	20	Pass



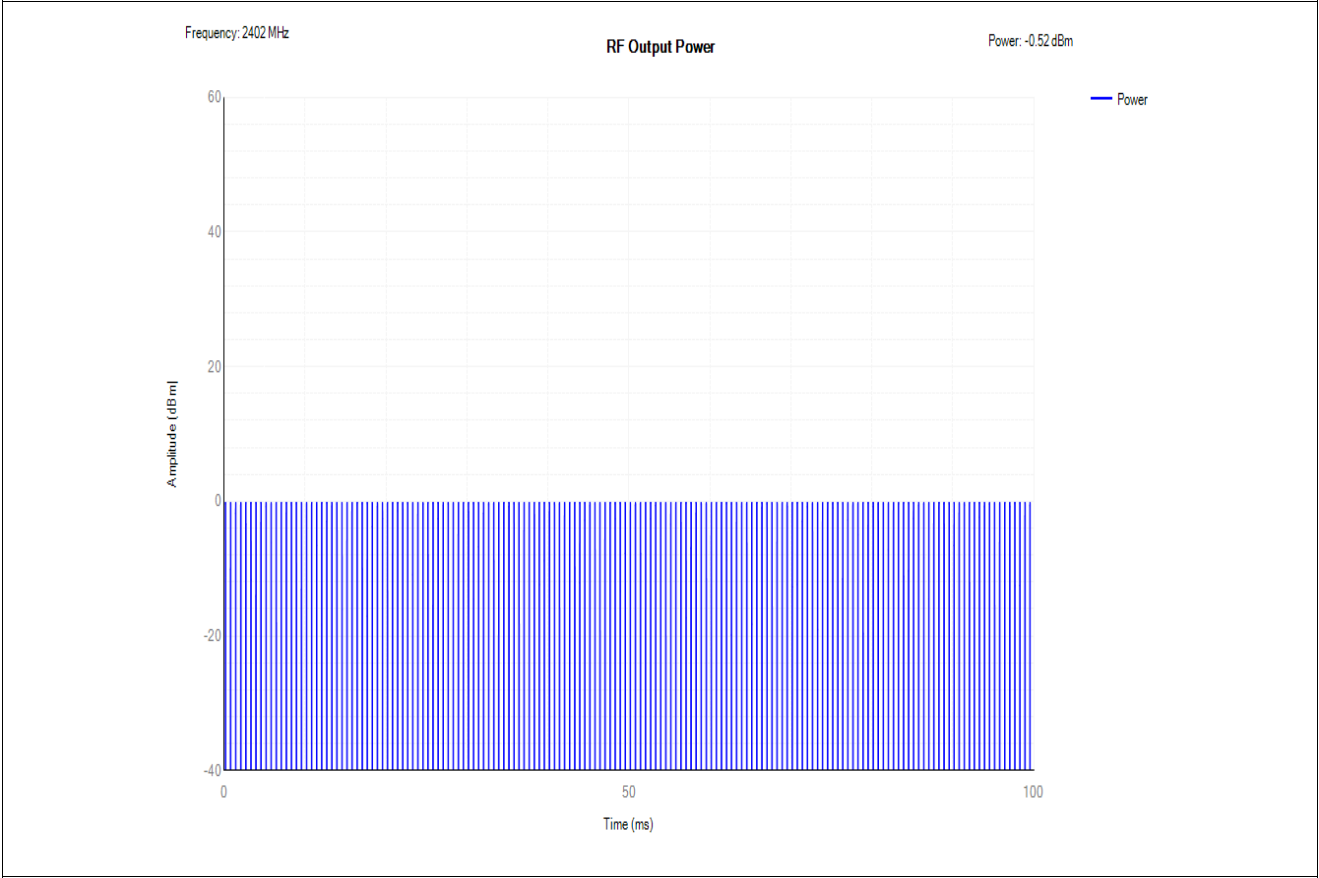
Power NVNT BLE 1M 2402MHz Ant1



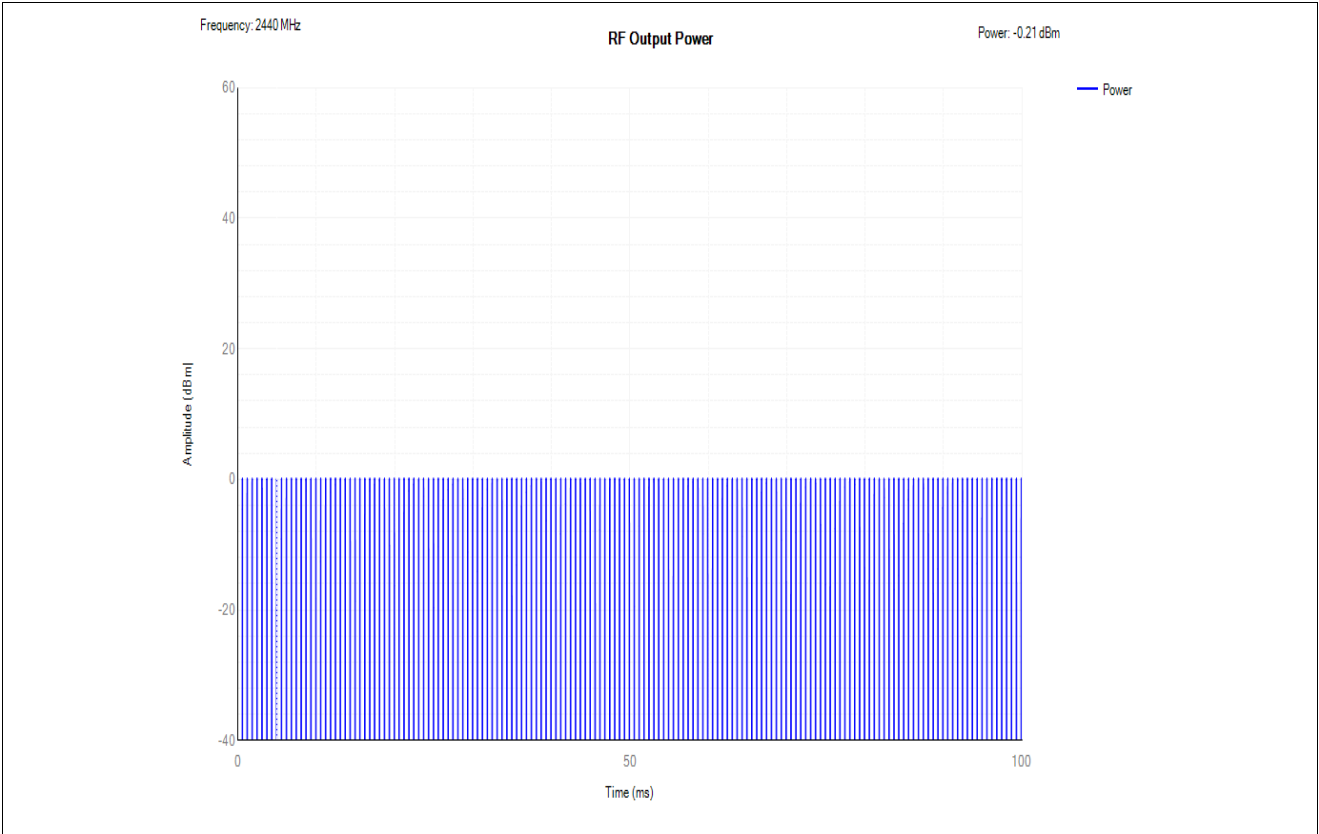
Power NVNT BLE 1M 2440MHz Ant1



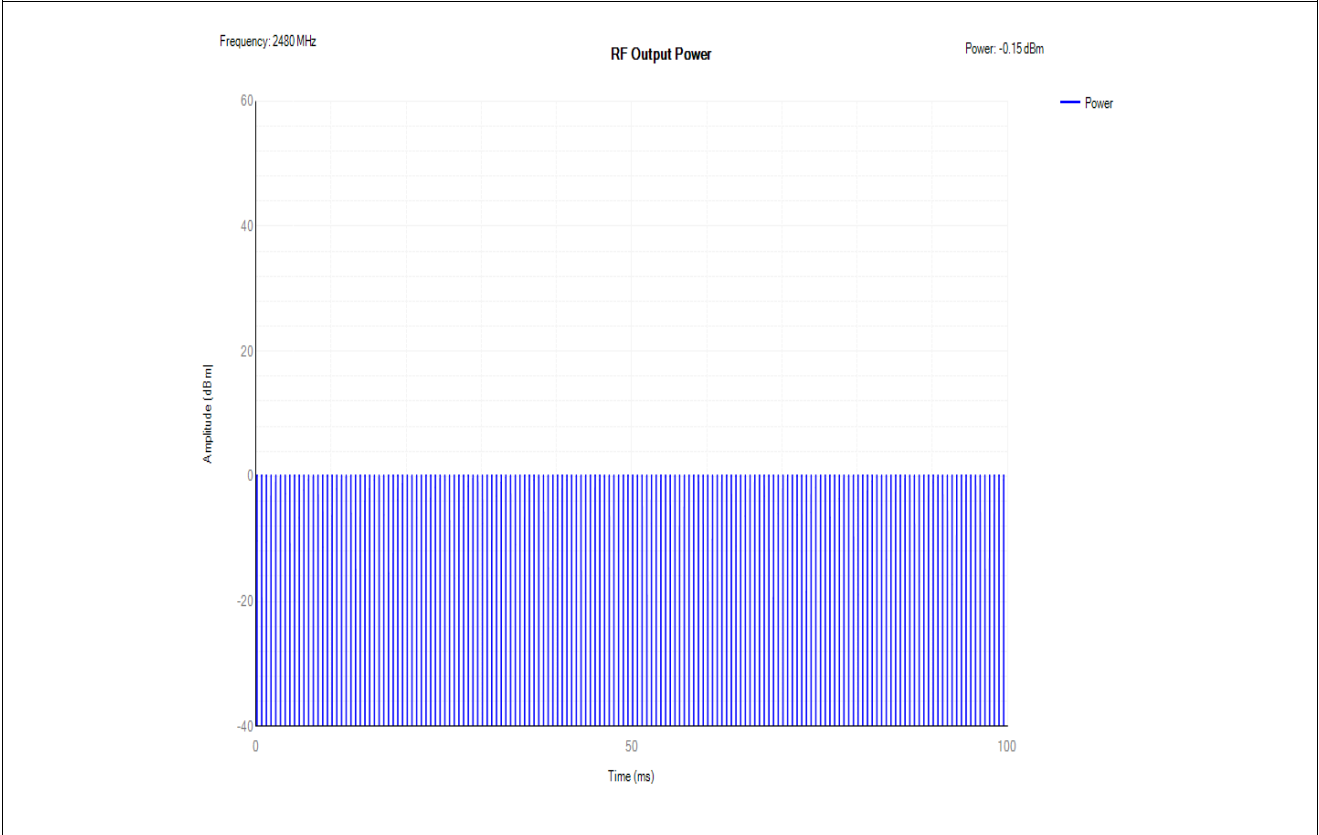
Power NVNT BLE 1M 2480MHz Ant1



Power NVNT BLE 2M 2402MHz Ant1



Power NVNT BLE 2M 2440MHz Ant1



Power NVNT BLE 2M 2480MHz Ant1

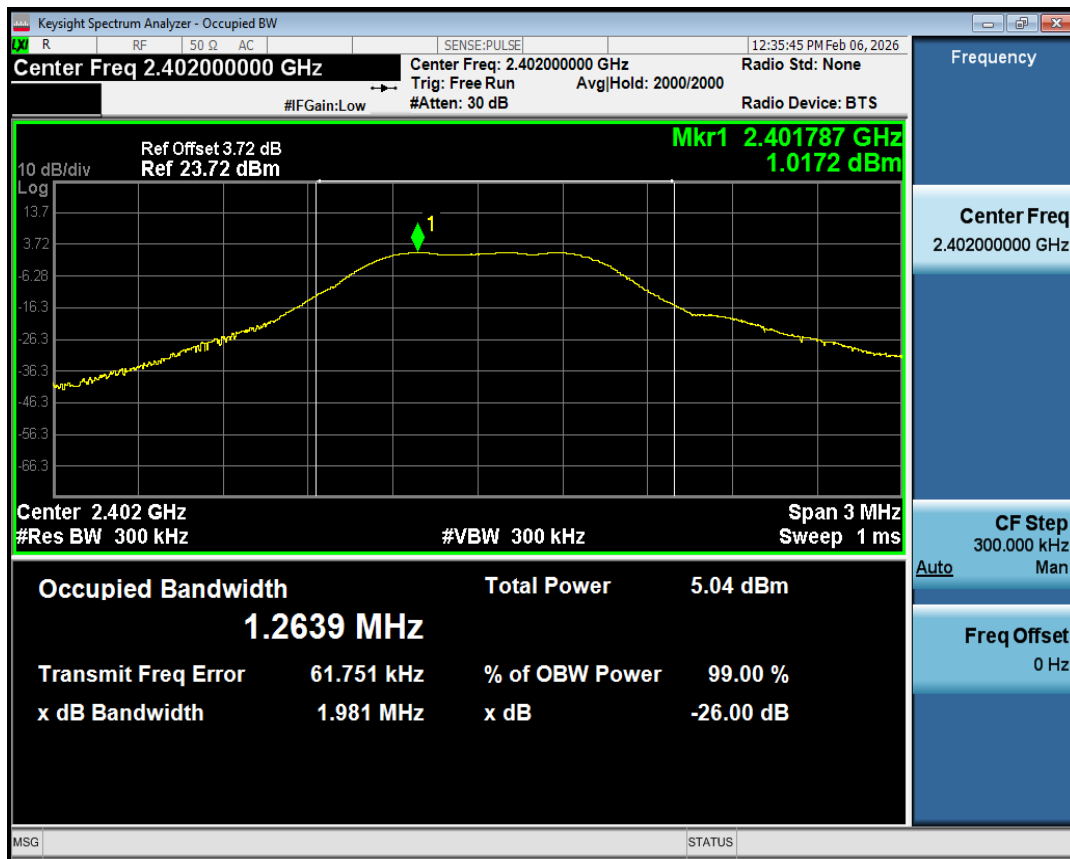
EIRP Power

Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.914	-0.39	2.08	1.69	12.14	Pass
		2440		0.973	-0.12	2.08	1.96	12.14	Pass
		2480		0.986	-0.06	2.08	2.02	12.14	Pass
	BLE 2M	2402		0.887	-0.52	2.08	1.56	12.14	Pass
		2440		0.953	-0.21	2.08	1.87	12.14	Pass
		2480		0.966	-0.15	2.08	1.93	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	1.2639	N/A	26	Pass
		2440		1.287	N/A	26	Pass
		2480		1.298	N/A	26	Pass
	BLE 2M	2402		2.1031	N/A	26	Pass
		2440		2.1143	N/A	26	Pass
		2480		2.1045	N/A	26	Pass

Report



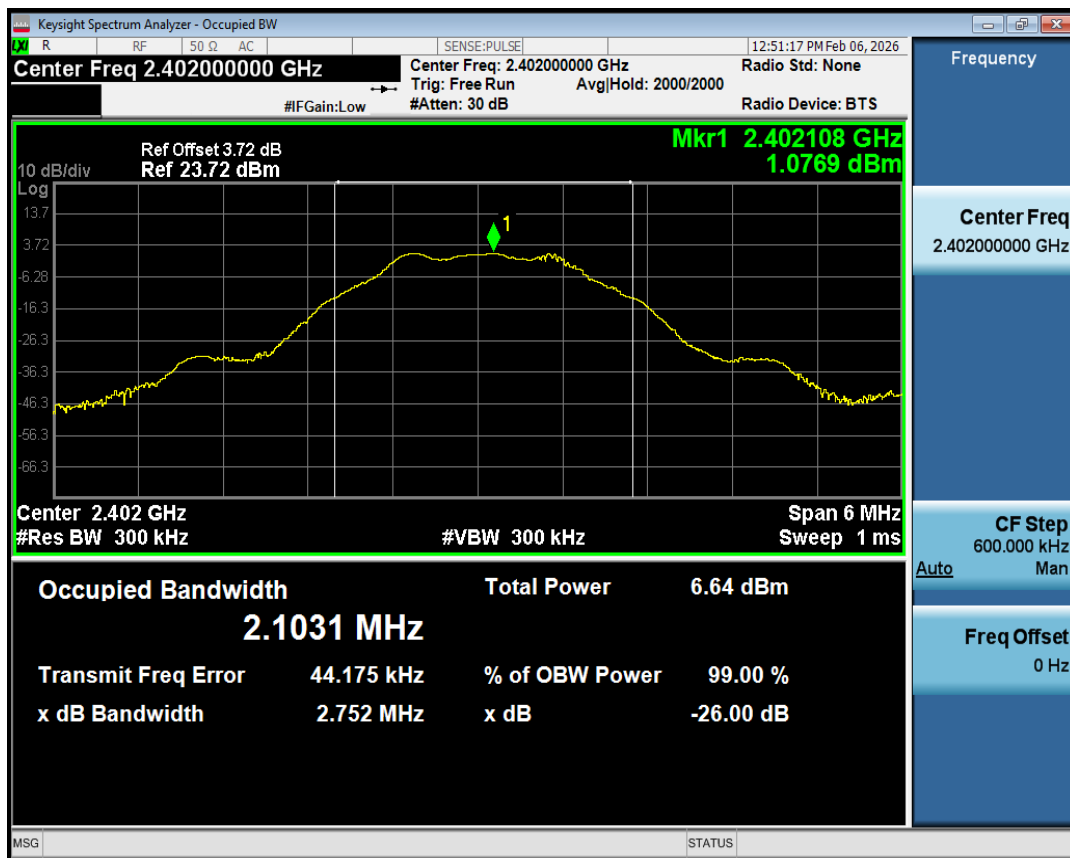
OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



OBW NVNT BLE 1M 2480MHz Ant1

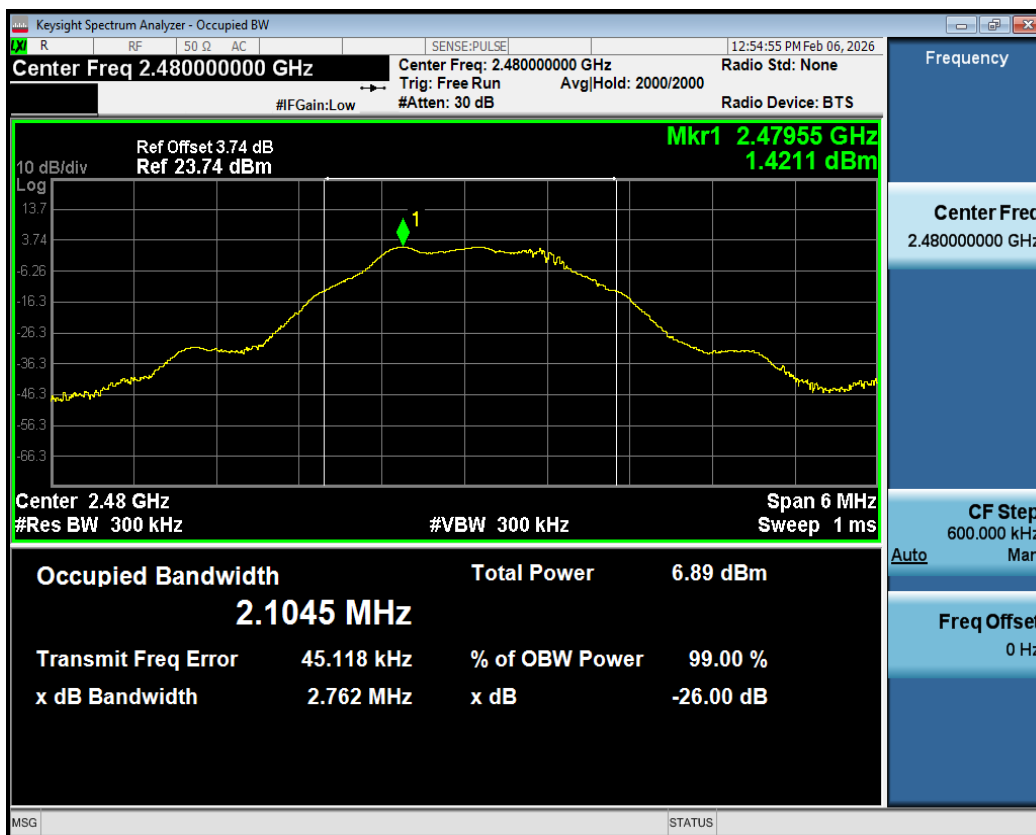


OBW NVNT BLE 2M 2402MHz Ant1

Report



OBW NVNT BLE 2M 2440MHz Ant1



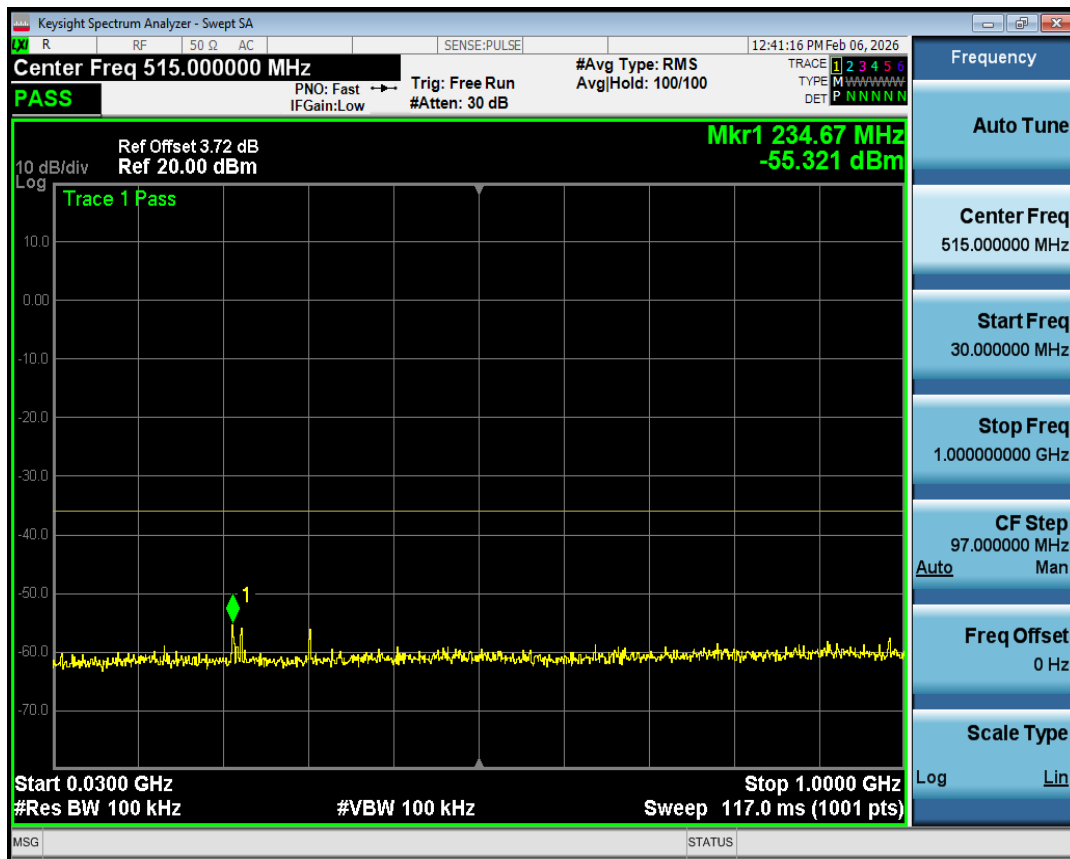
OBW NVNT BLE 2M 2480MHz Ant1

Tx Spurious Emission

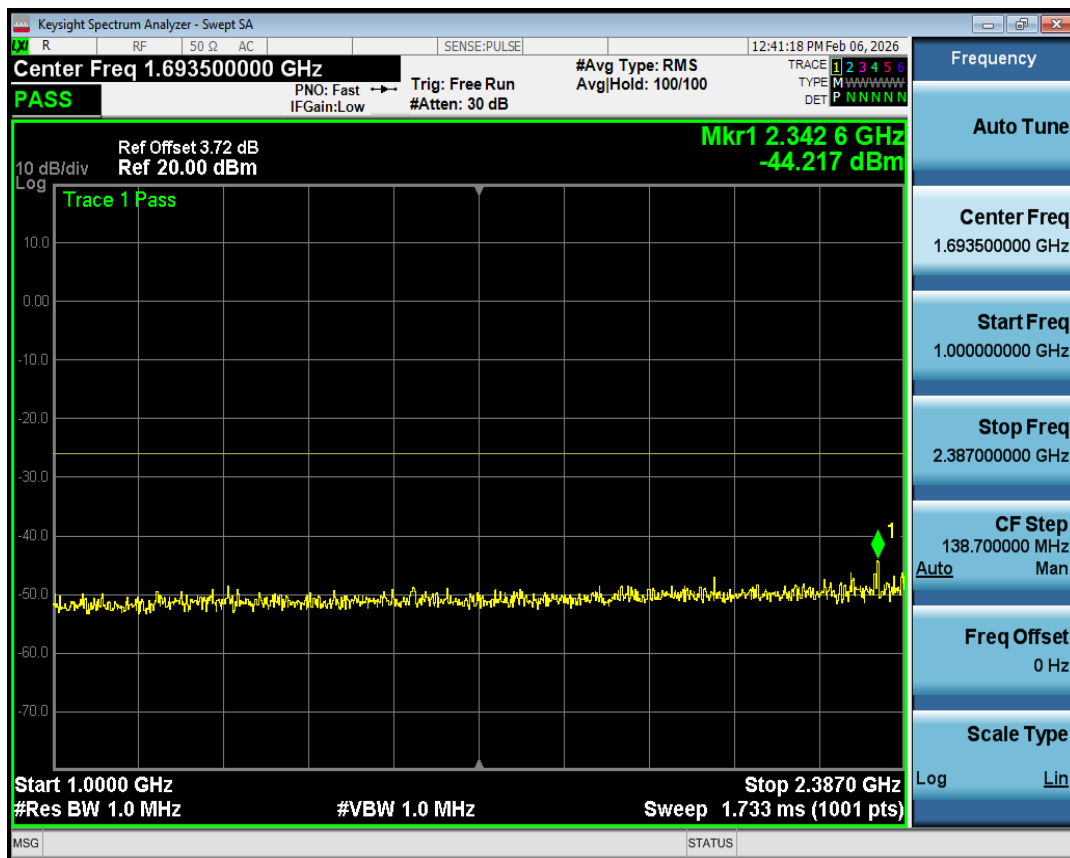
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW)	Max RMS Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	234.67	-55.32	NA	0.0029	NA	0.25	0.25	Pass
				1000-2387	2342.62	-44.22	NA	0.0378	NA	2.5	2.5	Pass
				2387-2400	2399.96	-33.47	NA	0.4498	NA	25	25	Pass
				2483.5-2496.5	2496.32	-45.04	NA	0.0313	NA	25	25	Pass
				2496.5-13000	7212.57	-35.72	NA	0.2679	NA	2.5	2.5	Pass
		30-1000		234.67	-54.27	NA	0.0037	NA	0.25	0.25	Pass	
		1000-2387		2352.32	-45.86	NA	0.0259	NA	2.5	2.5	Pass	
		2387-2400		2399.79	-42.77	NA	0.0528	NA	25	25	Pass	
		2483.5-2496.5		2487.69	-44.12	NA	0.0387	NA	25	25	Pass	
		2496.5-13000		7317.61	-34.82	NA	0.3296	NA	2.5	2.5	Pass	
		30-1000		234.67	-55.00	NA	0.0032	NA	0.25	0.25	Pass	
		1000-2387		1894.62	-47.41	NA	0.0182	NA	2.5	2.5	Pass	
		2387-2400		2392.69	-44.80	NA	0.0331	NA	25	25	Pass	
		2483.5-2496.5		2483.62	-37.35	NA	0.1841	NA	25	25	Pass	
		2496.5-13000		7443.65	-32.61	NA	0.5483	NA	2.5	2.5	Pass	
	BLE 2M	2402		30-1000	245.34	-55.25	NA	0.003	NA	0.25	0.25	Pass
				1000-2387	2370.36	-41.20	NA	0.0759	NA	2.5	2.5	Pass
				2387-2400	2400.00	-23.19	NA	4.7973	NA	25	25	Pass

Report

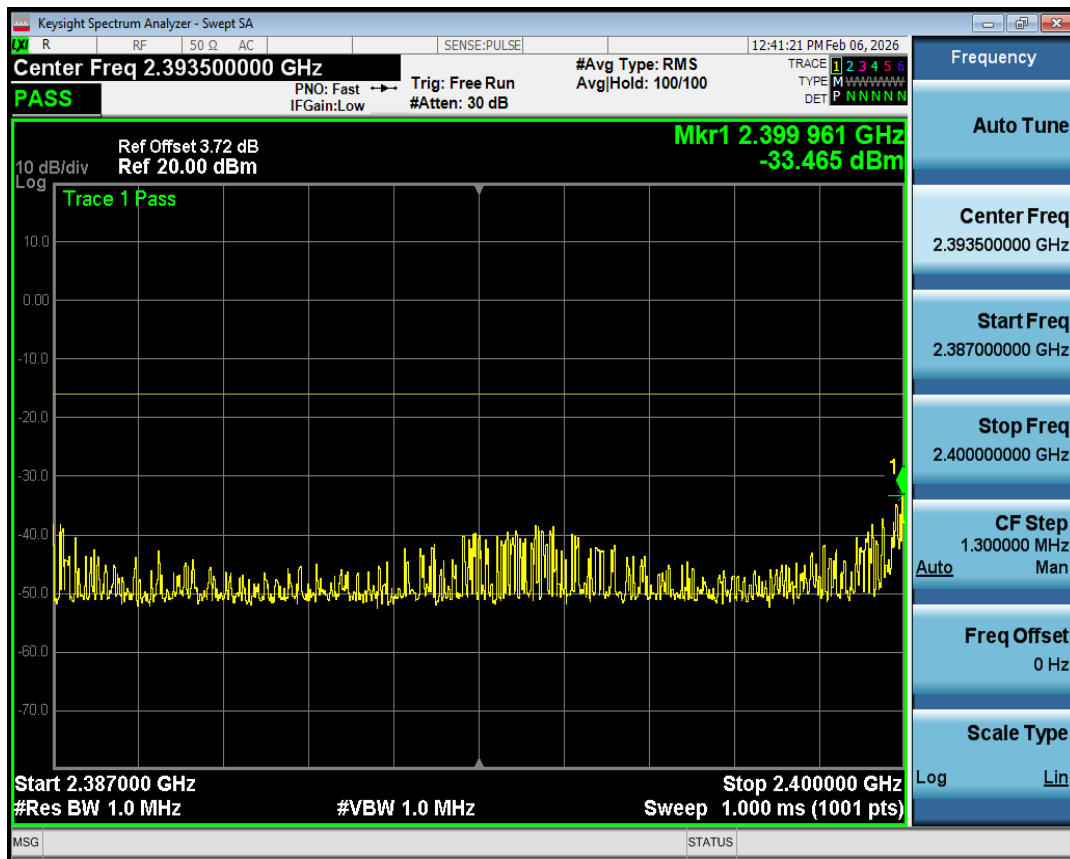
				2483.5-2496 .5	2489.70	-44.8 0	NA	0.033 1	NA	25	25	Pass
				2496.5-1300 0	4807.27	-36.2 1	NA	0.239 3	NA	2.5	2.5	Pass
		2440		30-1000	245.34	-53.7 1	NA	0.004 3	NA	0.25	0.25	Pass
				1000-2387	2362.03	-46.8 4	NA	0.020 7	NA	2.5	2.5	Pass
				2387-2400	2392.16	-43.5 4	NA	0.044 3	NA	25	25	Pass
				2483.5-2496 .5	2487.89	-43.9 2	NA	0.040 6	NA	25	25	Pass
				2496.5-1300 0	7317.61	-34.5 4	NA	0.351 6	NA	2.5	2.5	Pass
		2480		30-1000	245.34	-55.1 4	NA	0.003 1	NA	0.25	0.25	Pass
				1000-2387	2375.90	-46.7 1	NA	0.021 3	NA	2.5	2.5	Pass
				2387-2400	2392.07	-44.5 0	NA	0.035 5	NA	25	25	Pass
				2483.5-2496 .5	2486.28	-37.3 2	NA	0.185 4	NA	25	25	Pass
				2496.5-1300 0	7443.65	-32.9 1	NA	0.511 7	NA	2.5	2.5	Pass



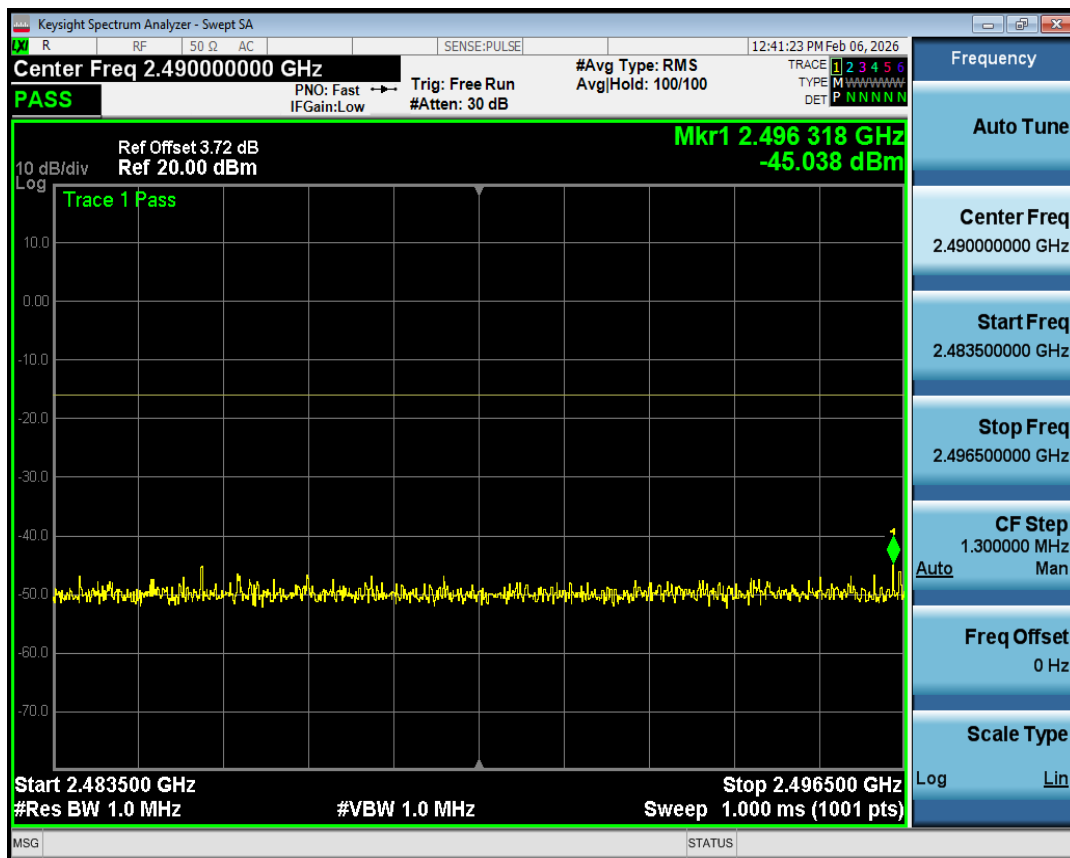
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



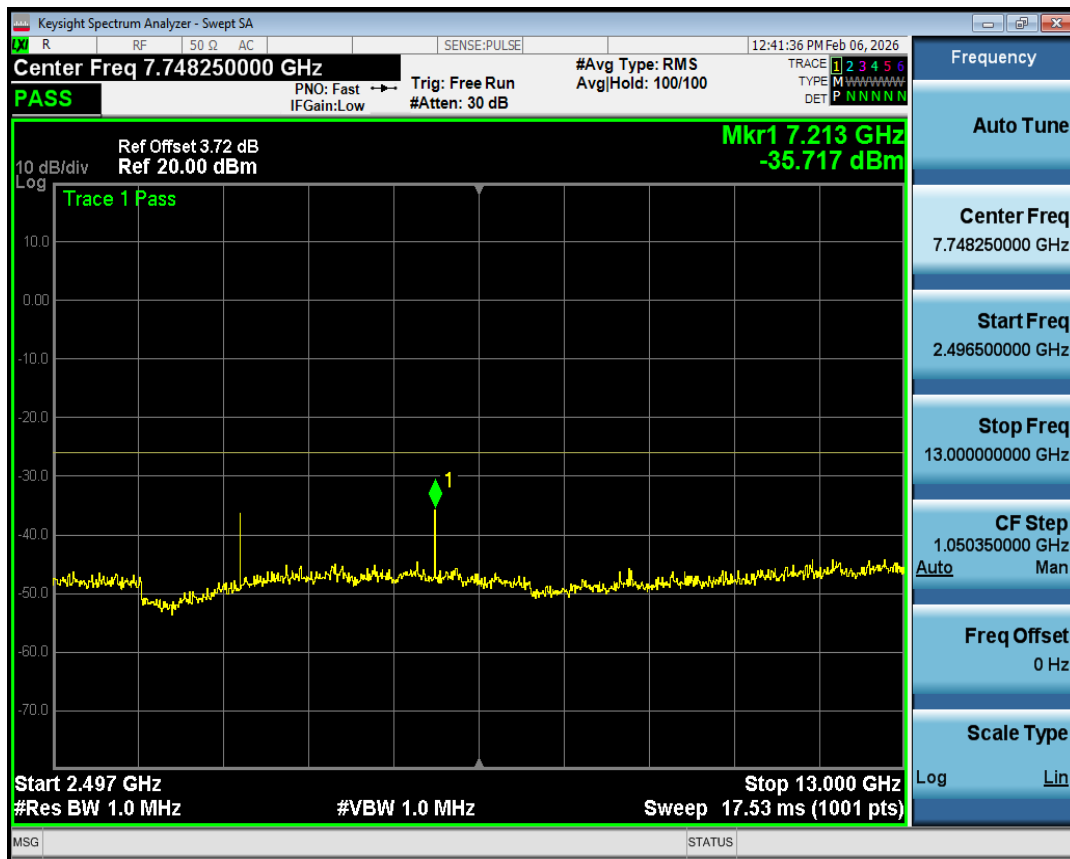
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz



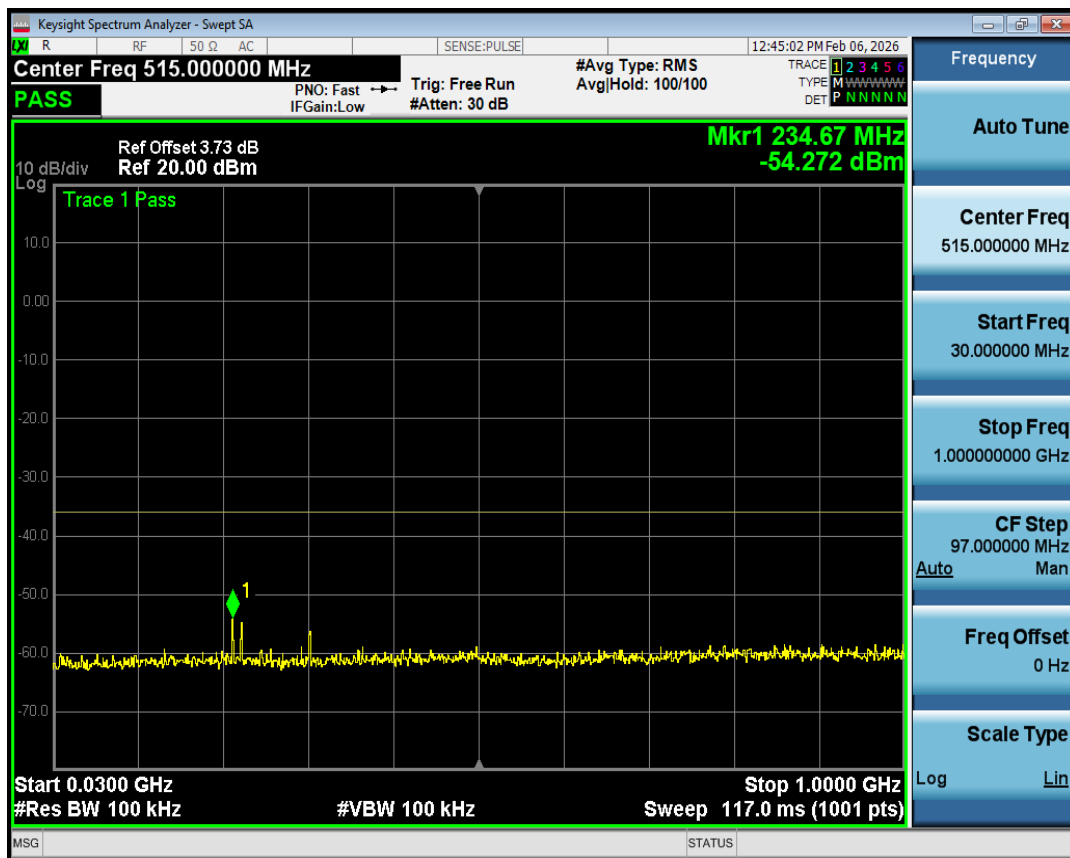
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz



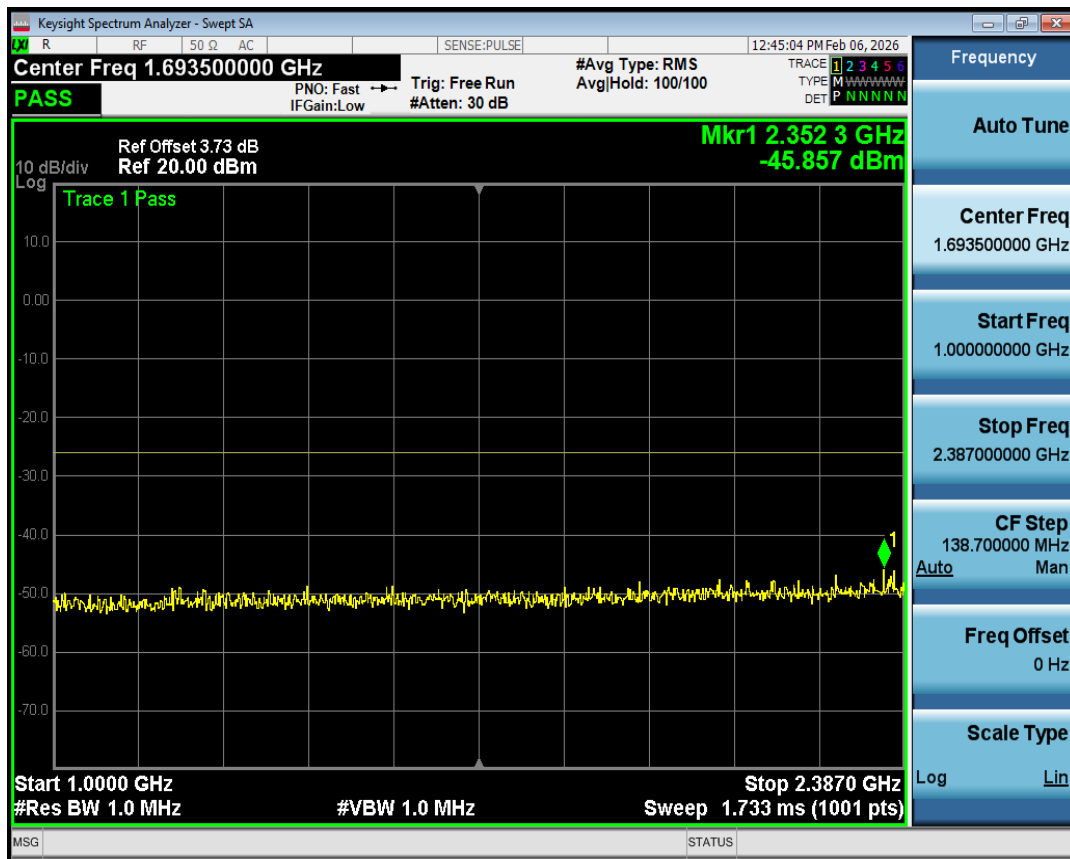
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



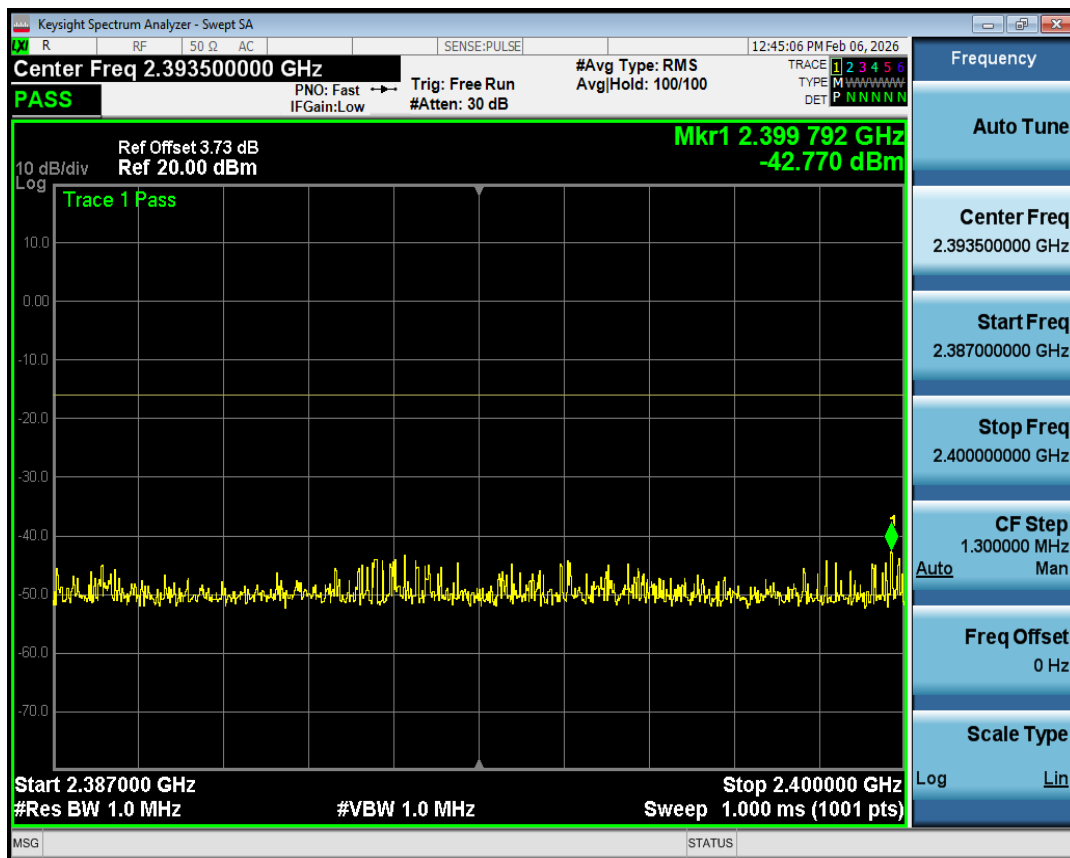
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



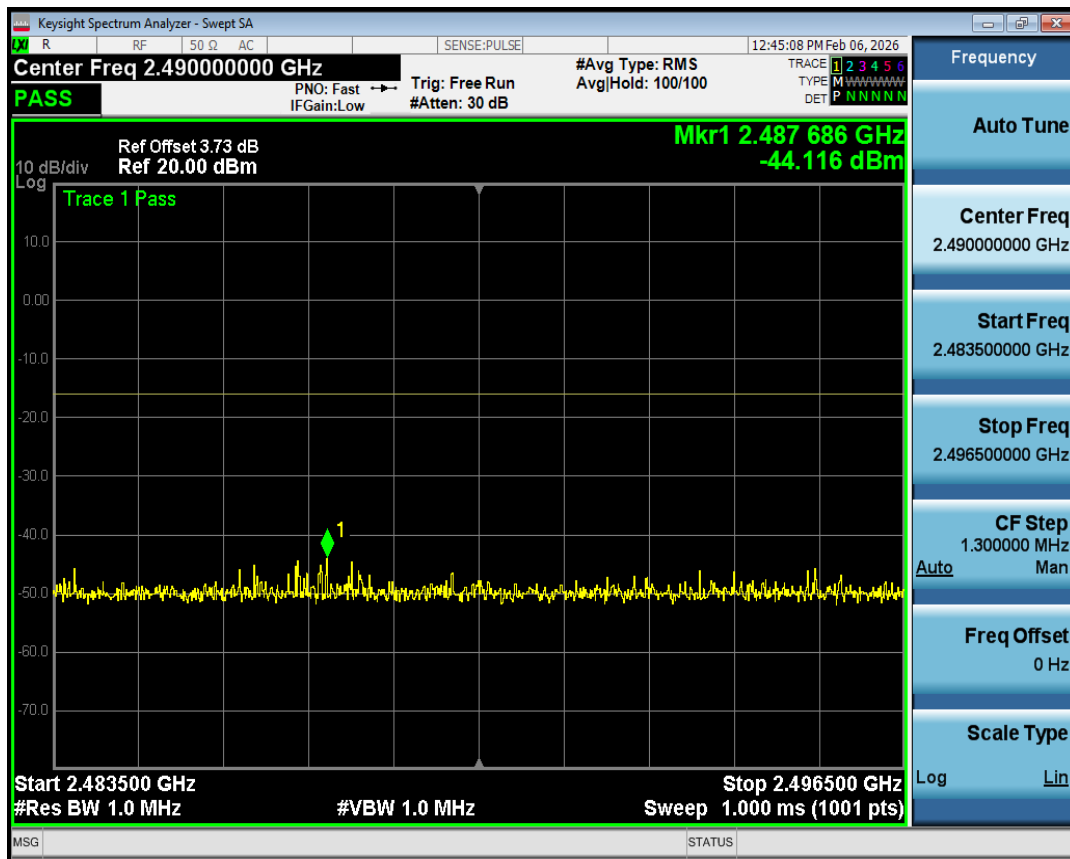
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



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



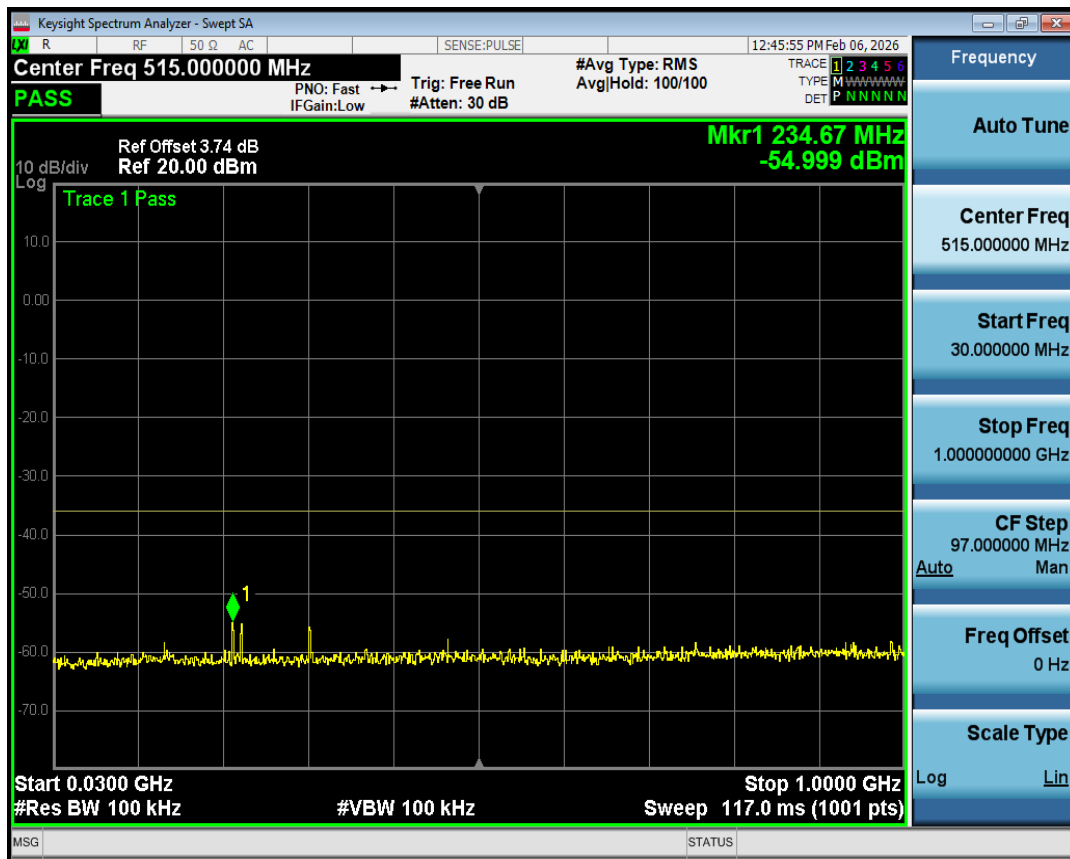
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2387MHz-2400MHz



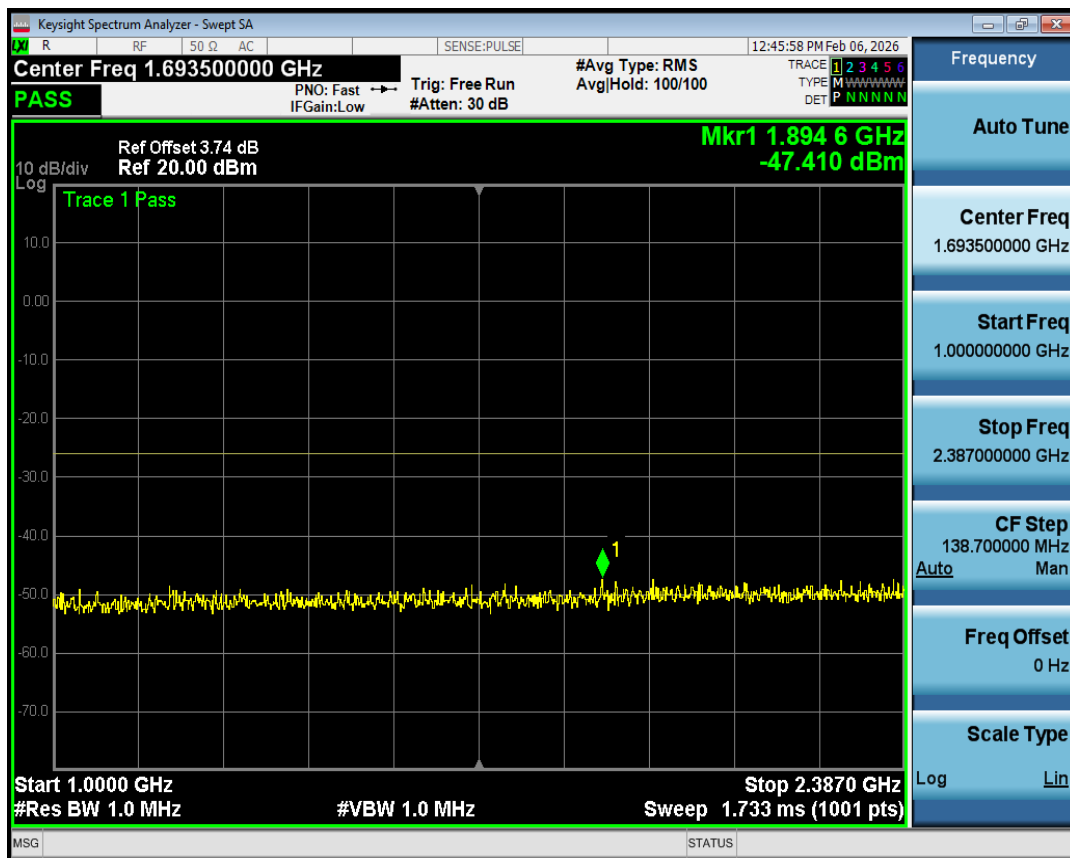
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



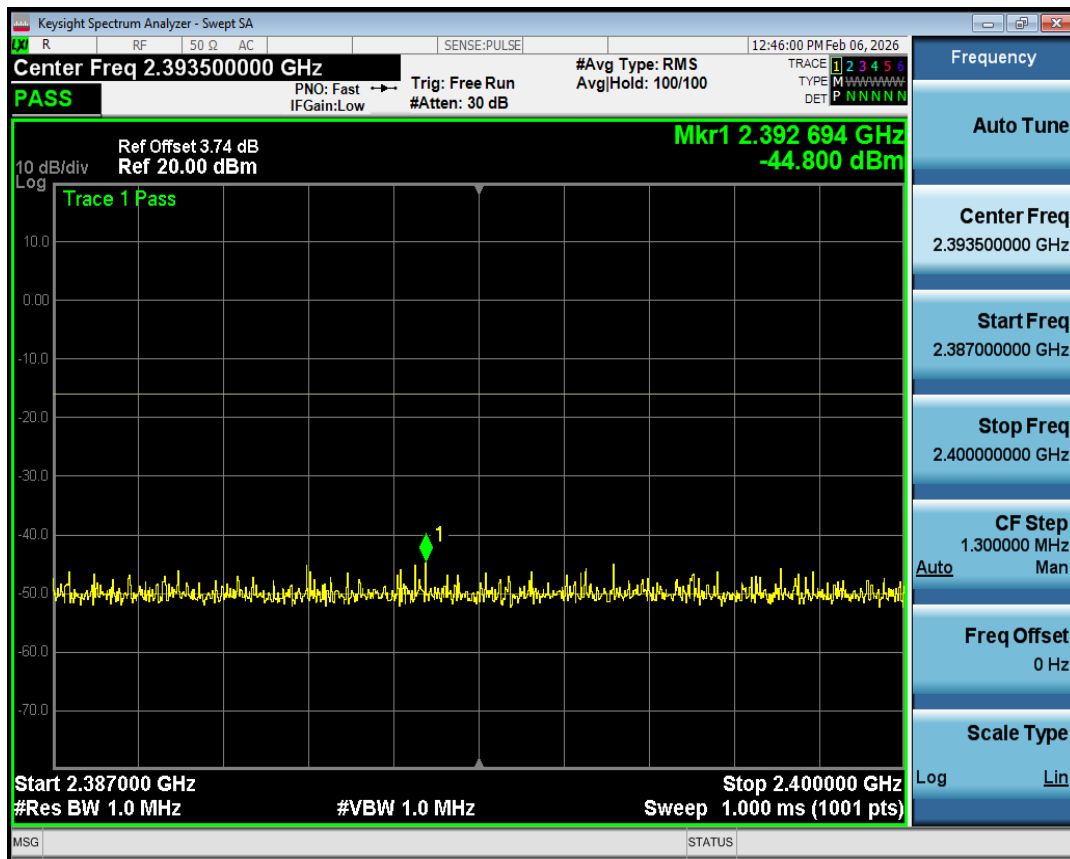
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2496.5MHz-13000MHz



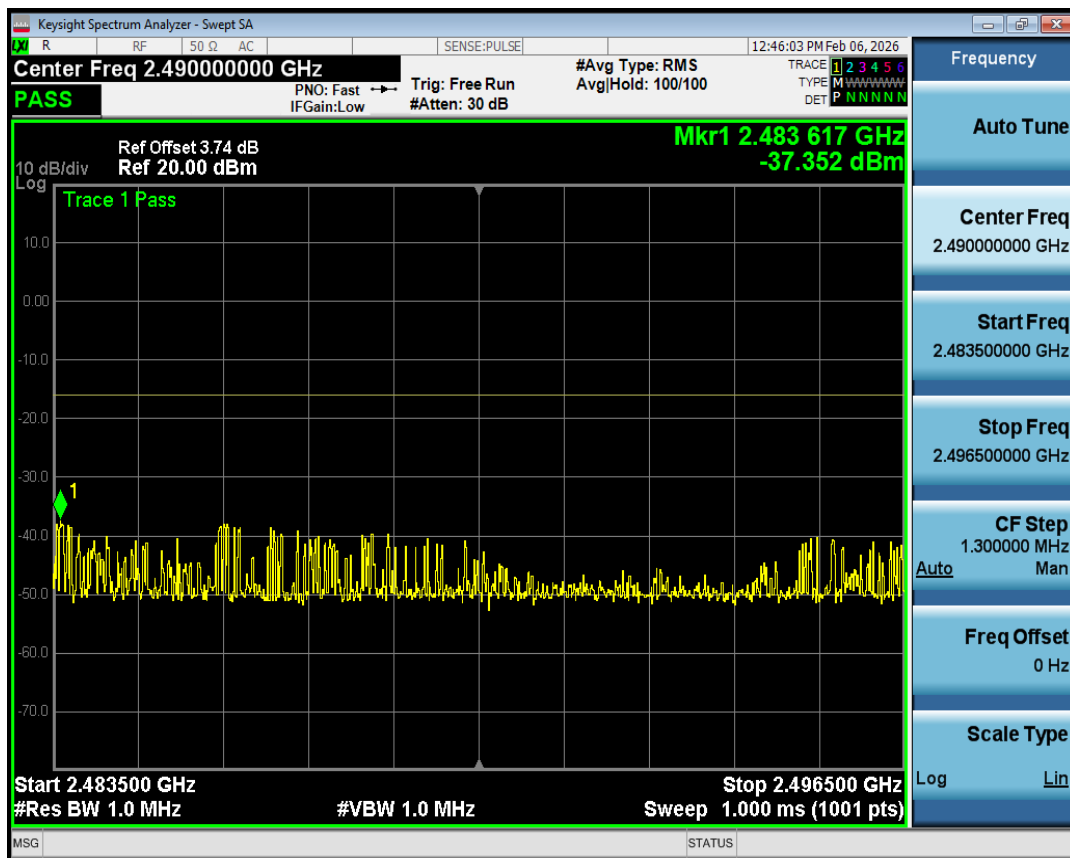
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



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



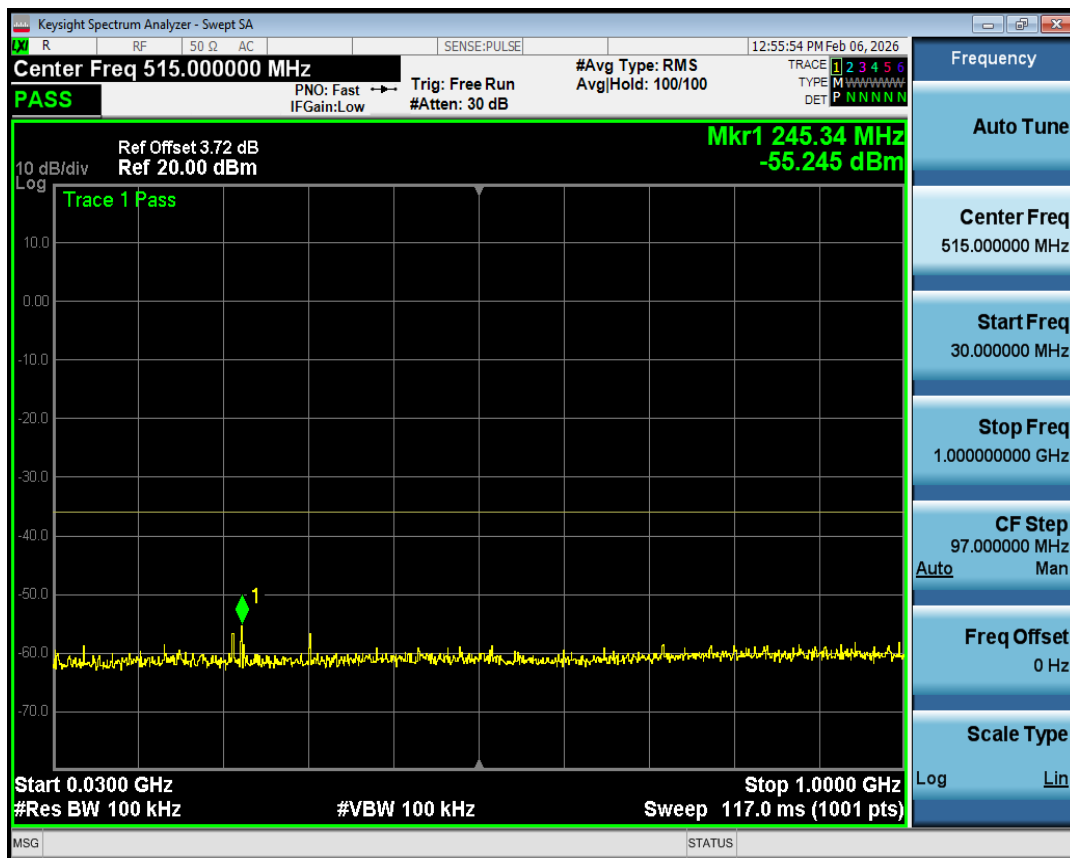
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



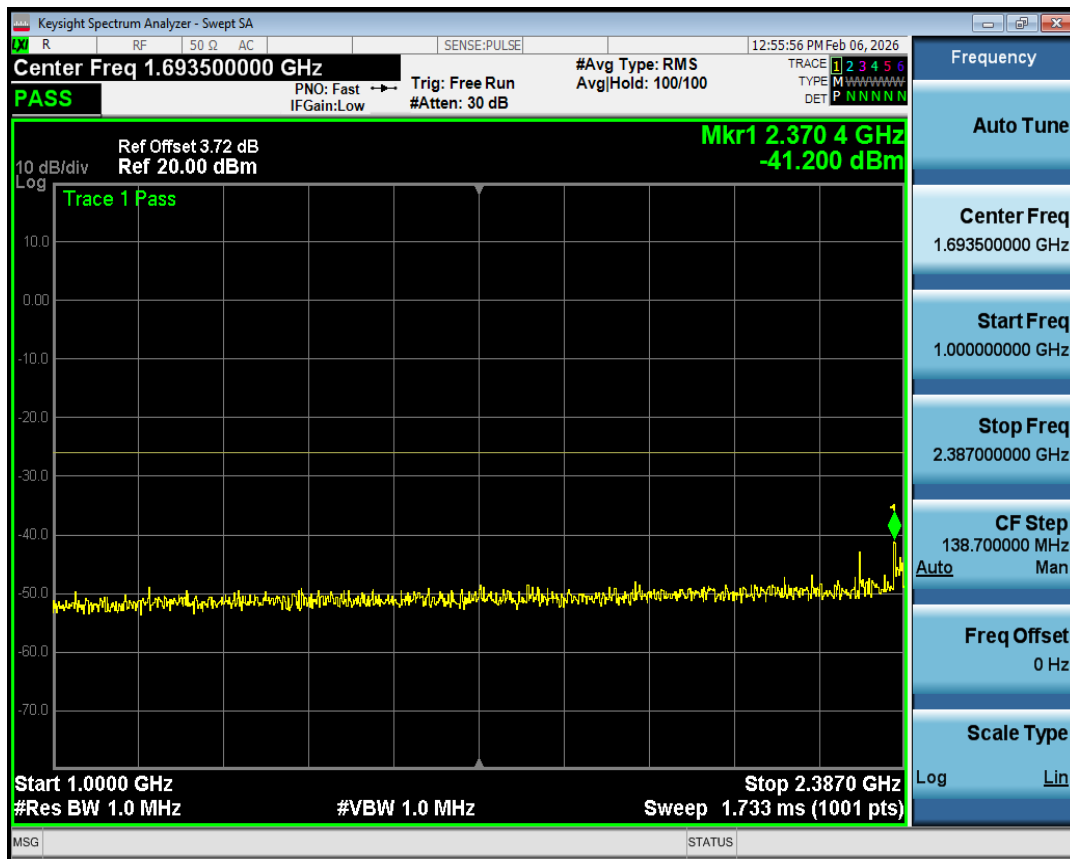
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



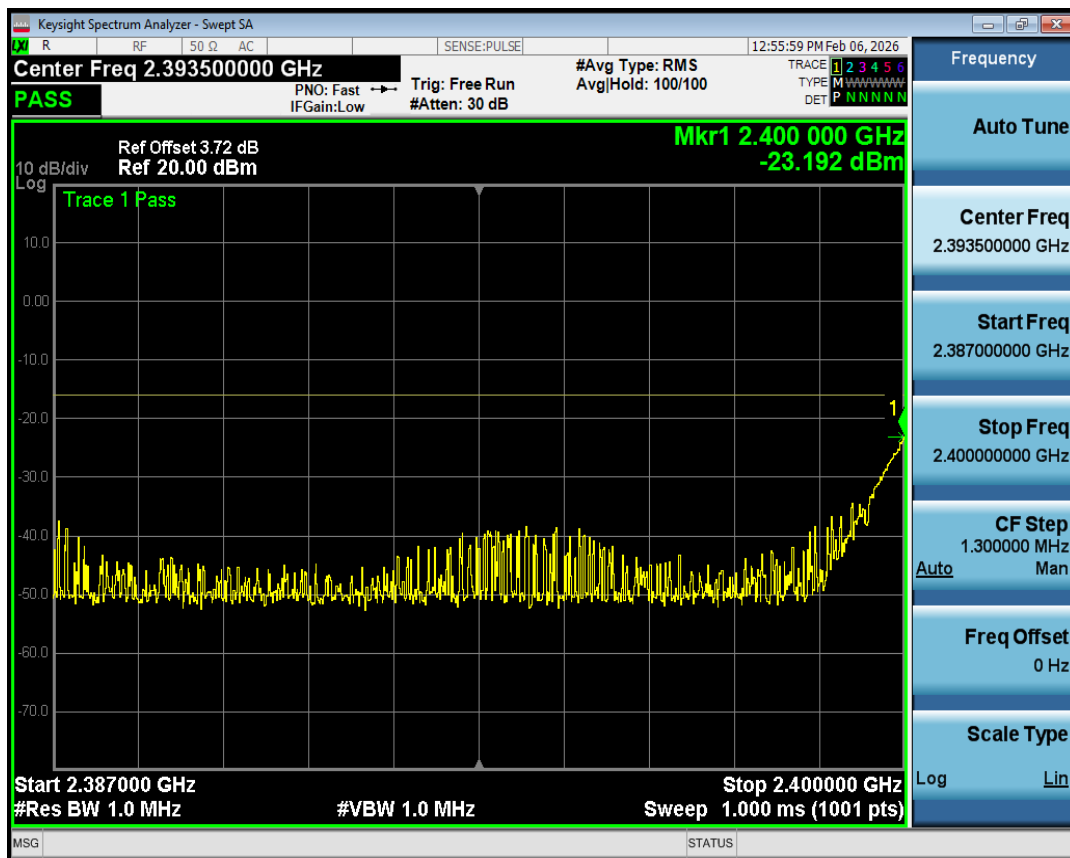
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz



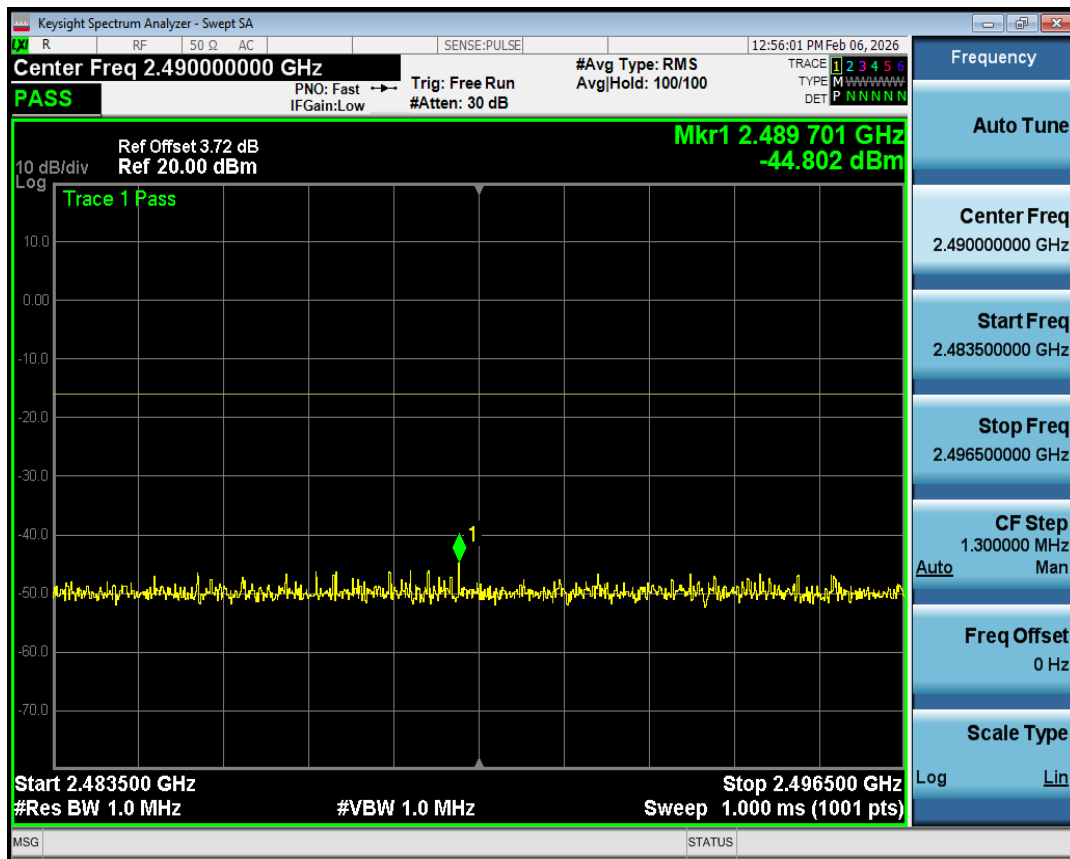
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



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



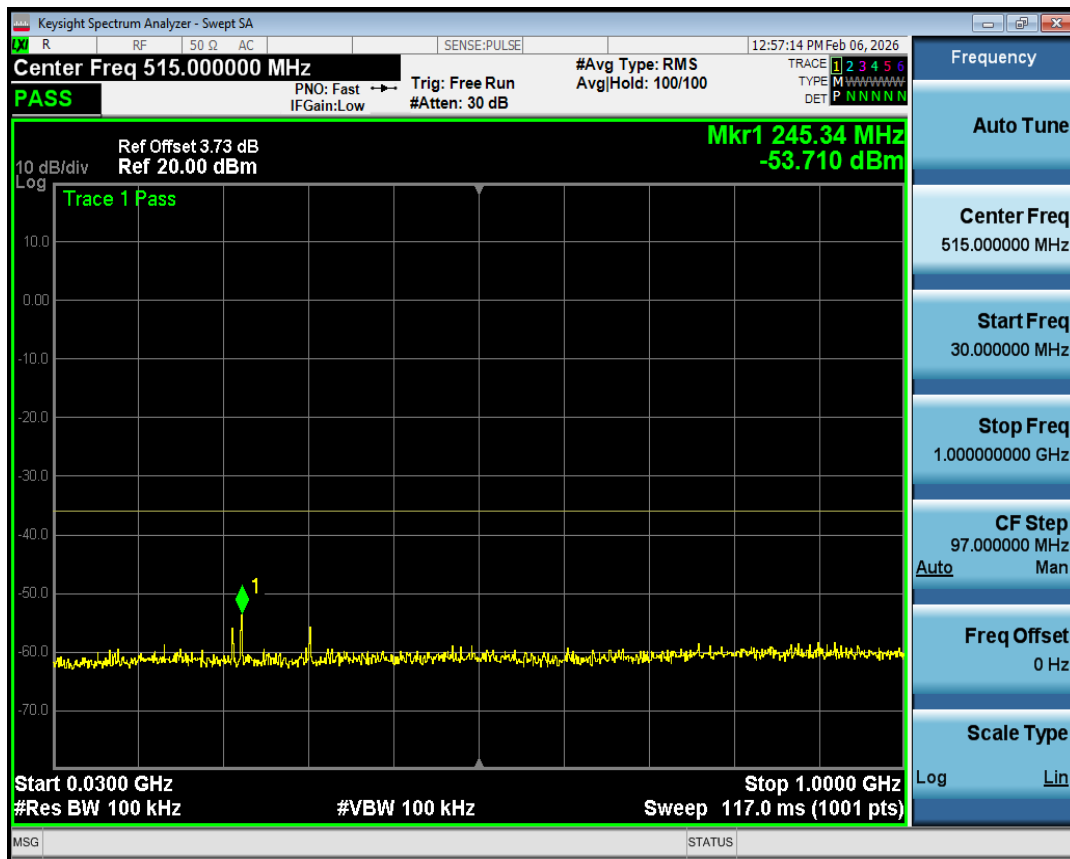
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2387MHz-2400MHz



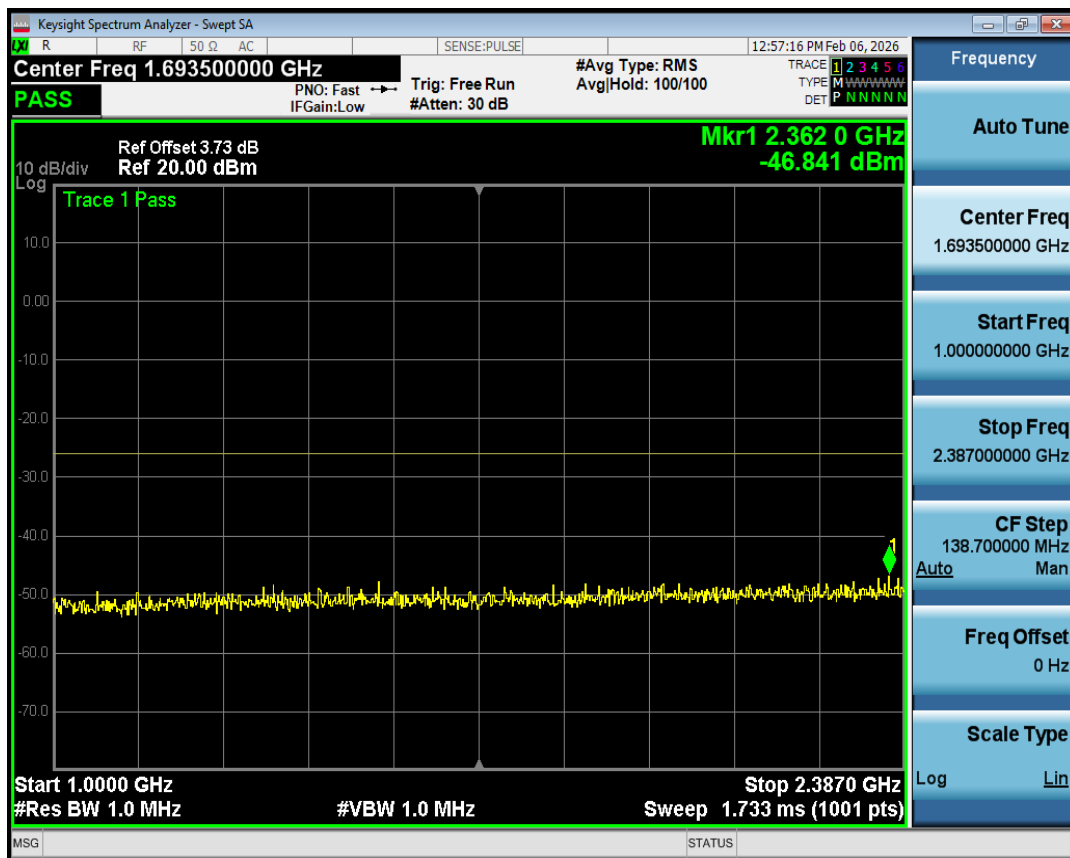
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



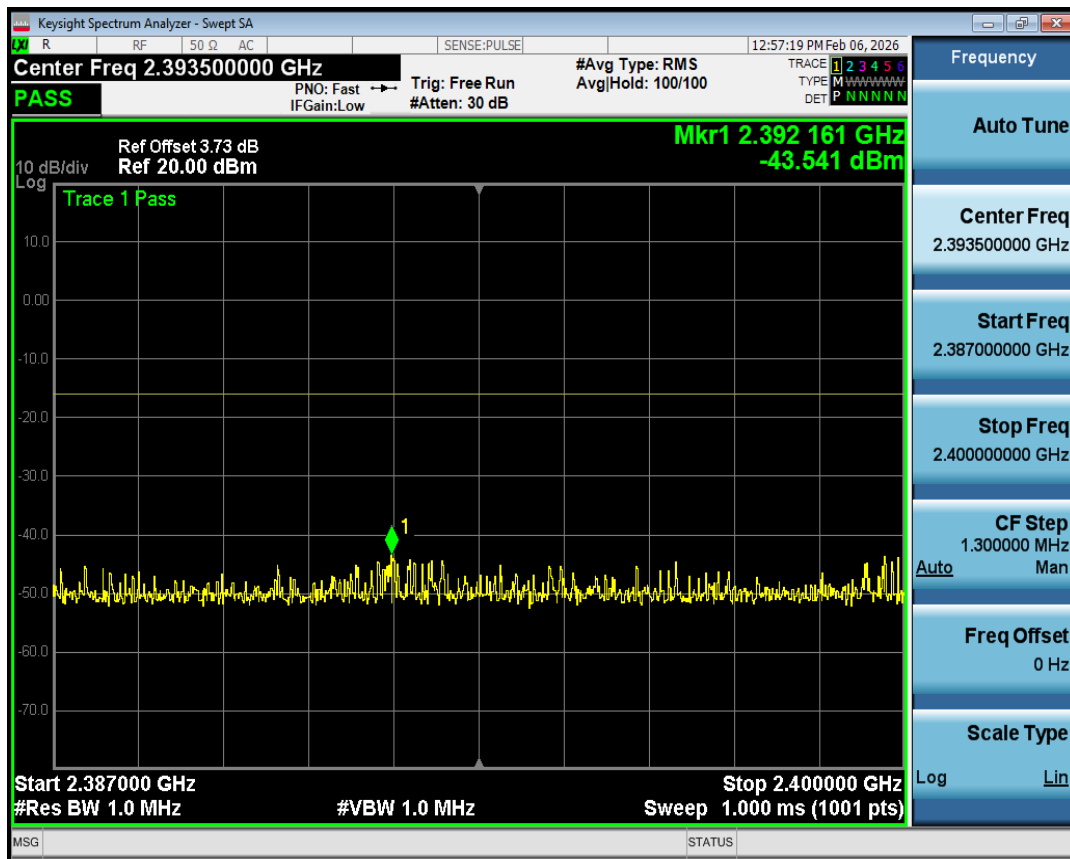
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2496.5MHz-13000MHz



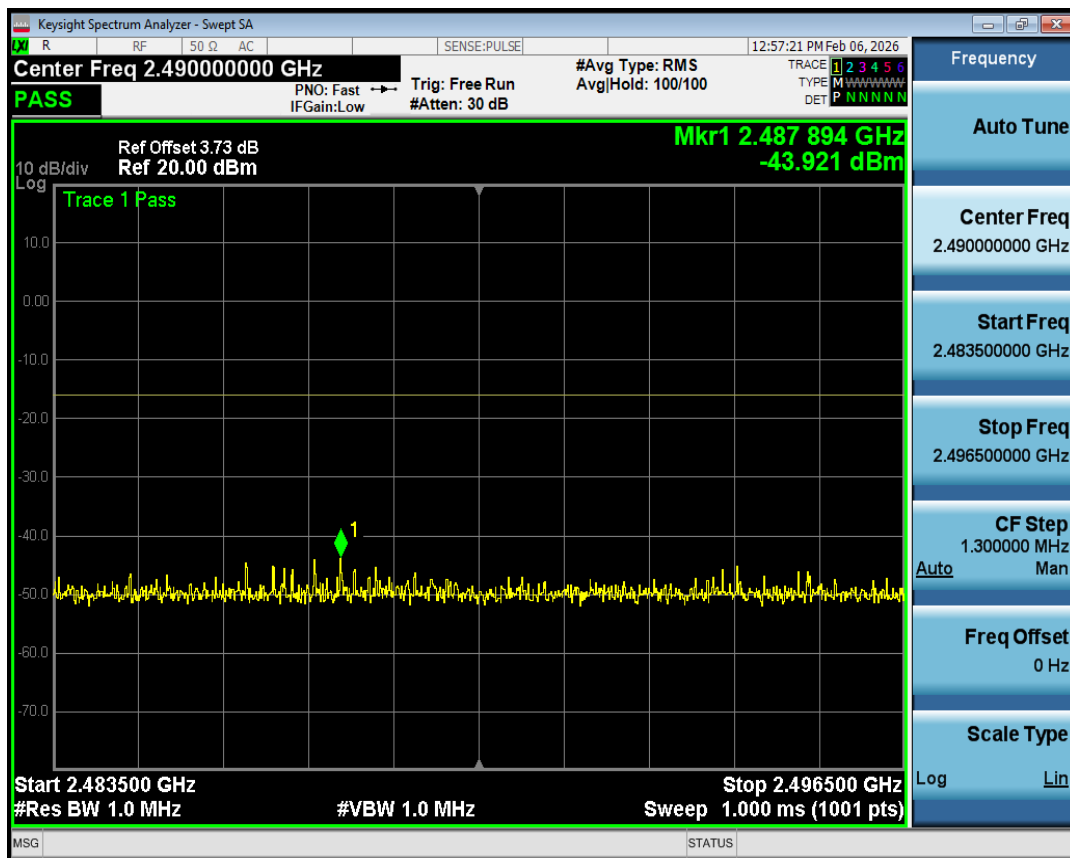
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



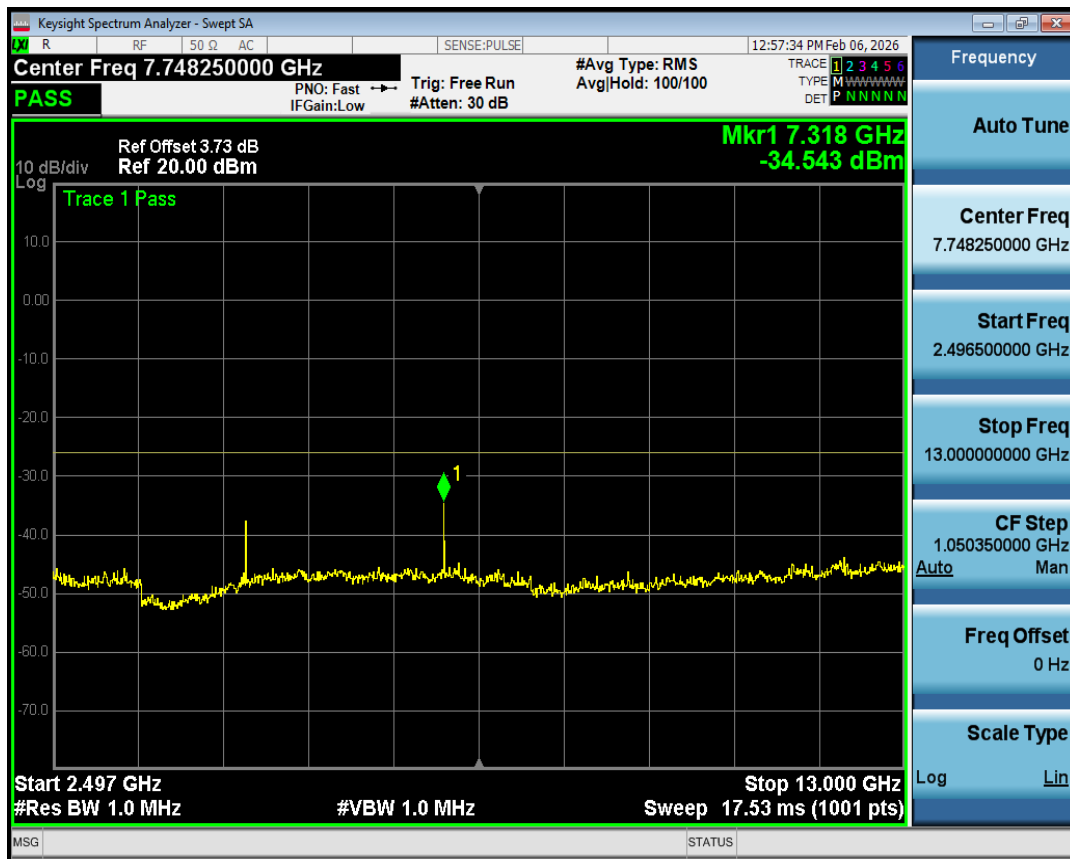
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-2387MHz



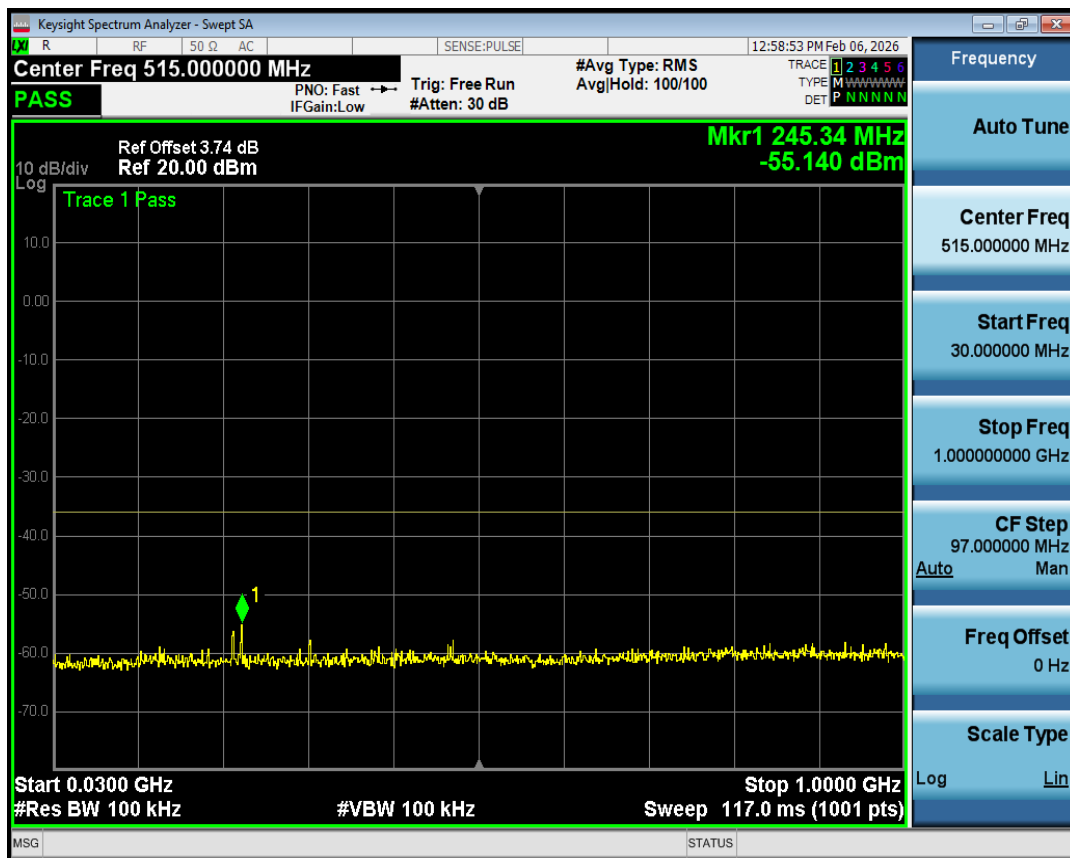
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2387MHz-2400MHz



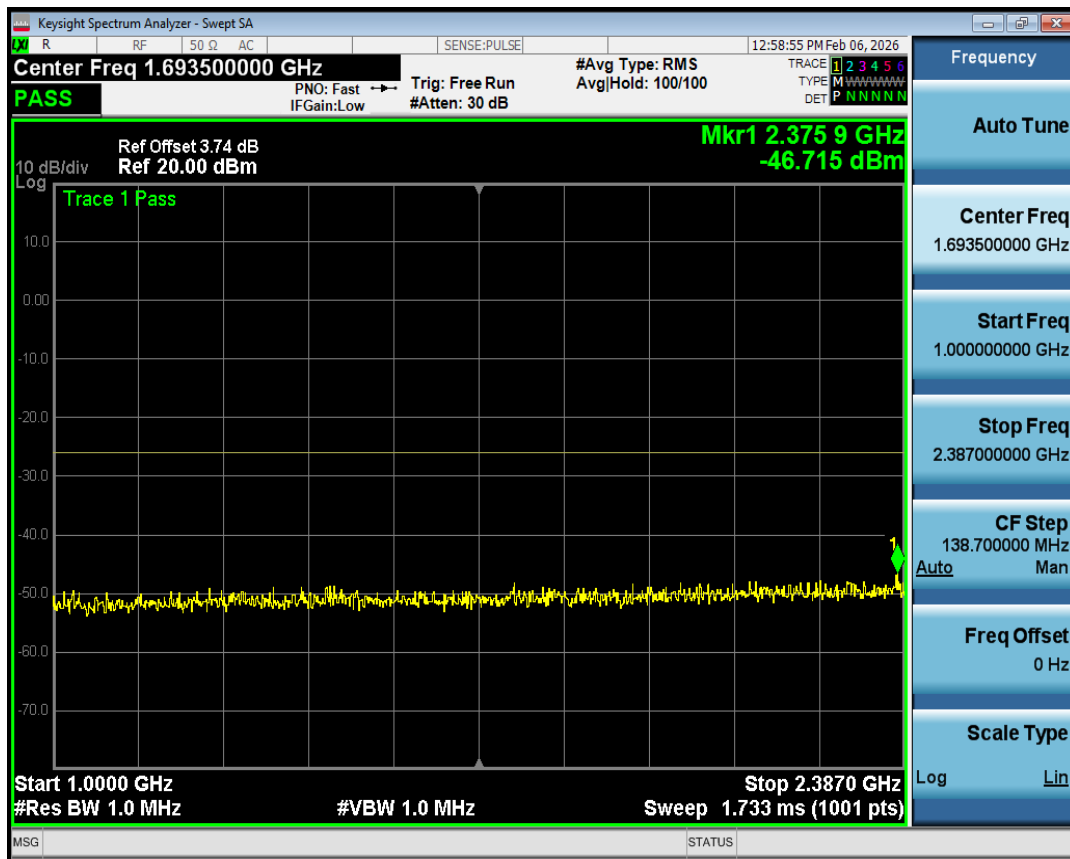
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



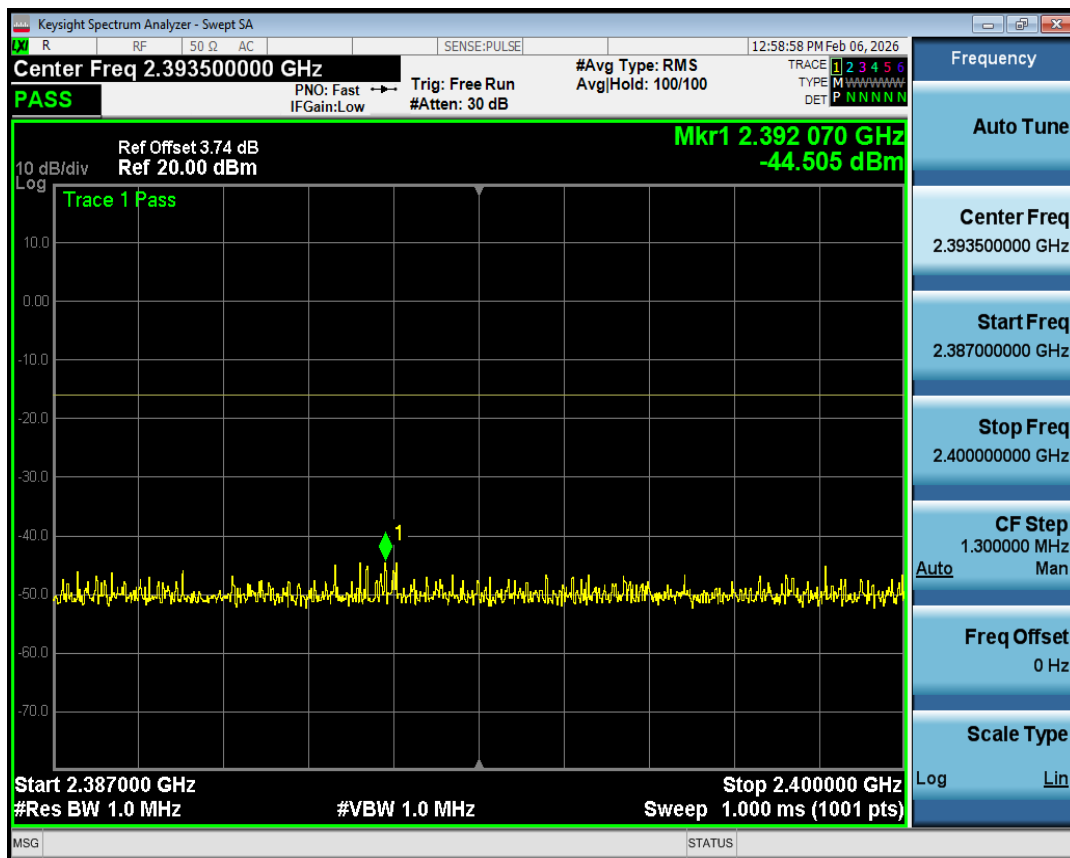
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2496.5MHz-13000MHz



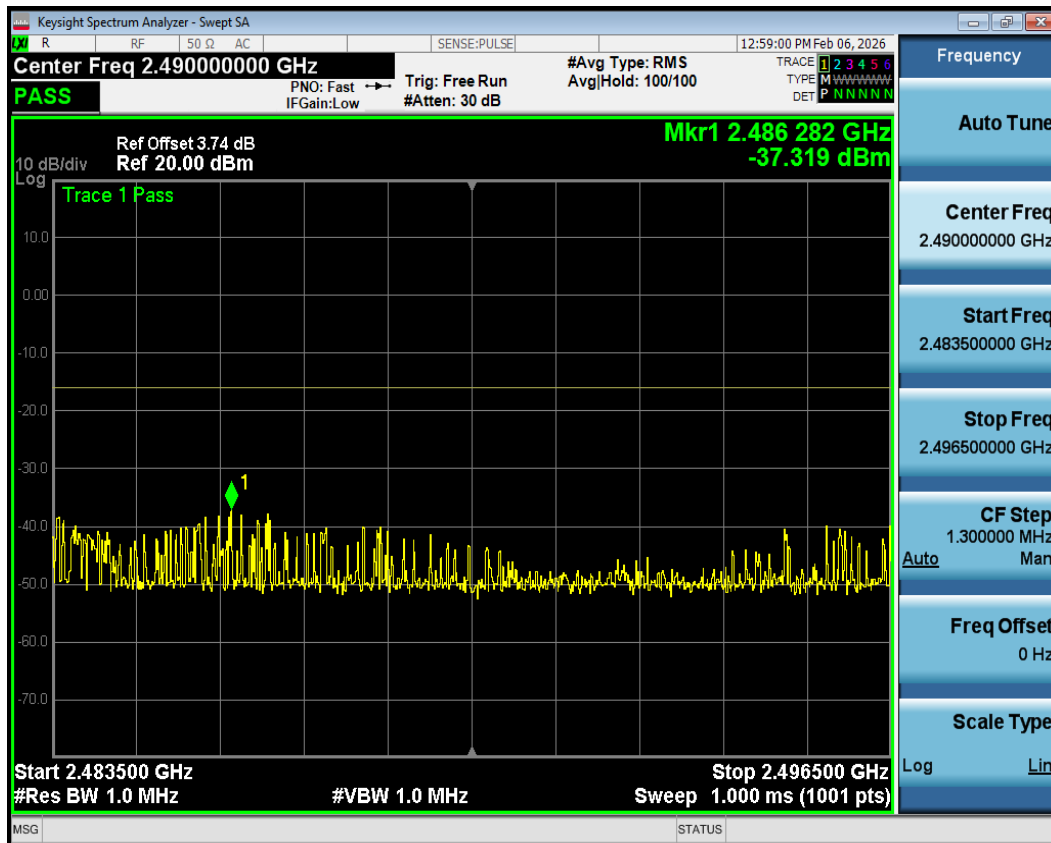
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



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



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



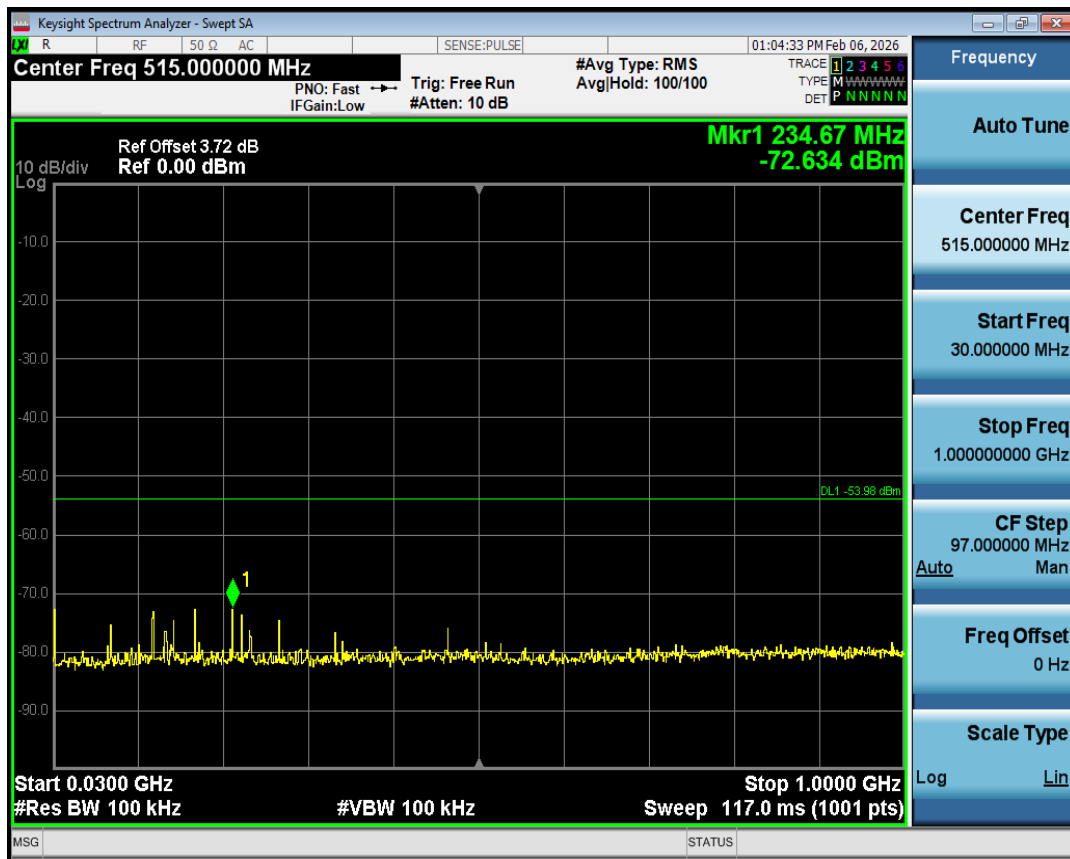
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



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

Rx Spurious Emission

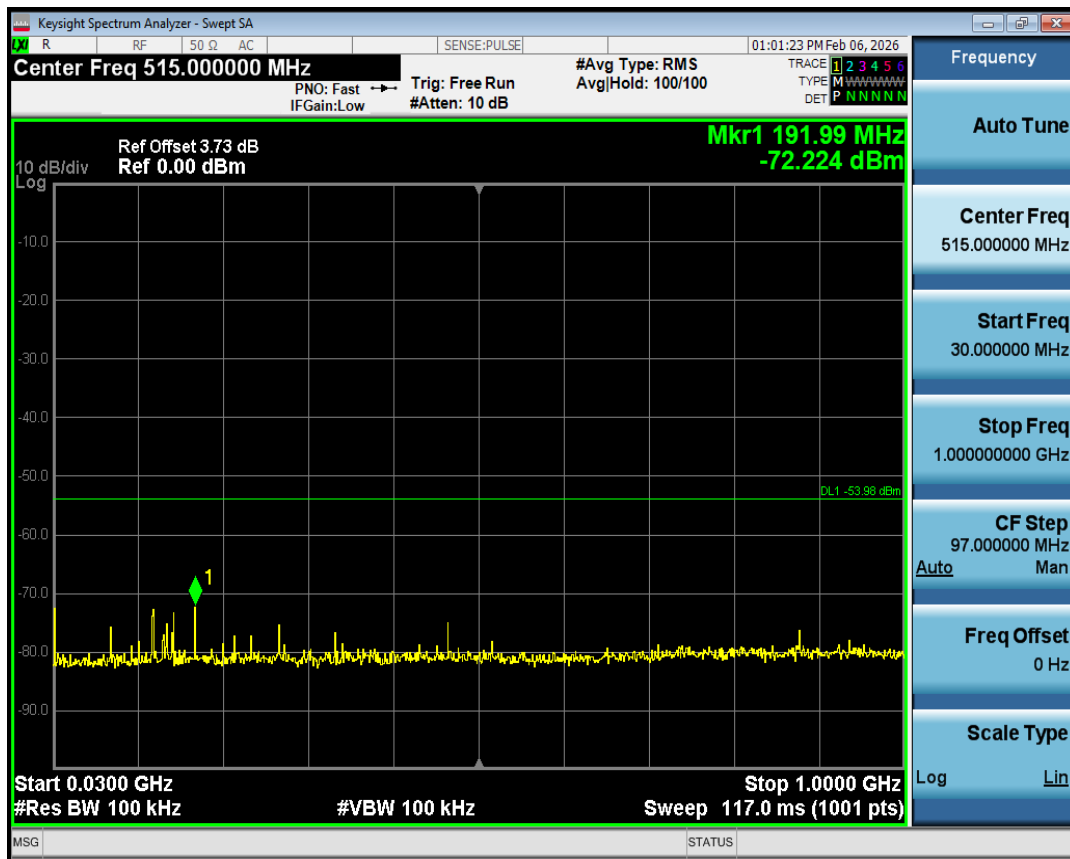
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (nW)	Max RMS Value (nW)	Limit (nW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	234.67	-72.63	NA	0.0546	NA	4	Pass
				1000-13000	2464.00	-57.05	NA	1.9724	NA	20	Pass
		2440		30-1000	191.99	-72.22	NA	0.06	NA	4	Pass
				1000-13000	2464.00	-63.36	NA	0.4613	NA	20	Pass
		2480		30-1000	157.07	-68.88	NA	0.1294	NA	4	Pass
				1000-13000	12676.00	-63.51	NA	0.4457	NA	20	Pass
	BLE 2M	2402		30-1000	244.37	-71.62	NA	0.0689	NA	4	Pass
				1000-13000	2464.00	-50.71	-57.33	8.4918	1.8493	20	Pass
		2440		30-1000	244.37	-65.70	NA	0.2692	NA	4	Pass
				1000-13000	2320.00	-52.49	-74.23	5.6364	0.0378	20	Pass
		2480		30-1000	236.61	-71.19	NA	0.076	NA	4	Pass
				1000-13000	2428.00	-61.39	NA	0.7261	NA	20	Pass



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



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

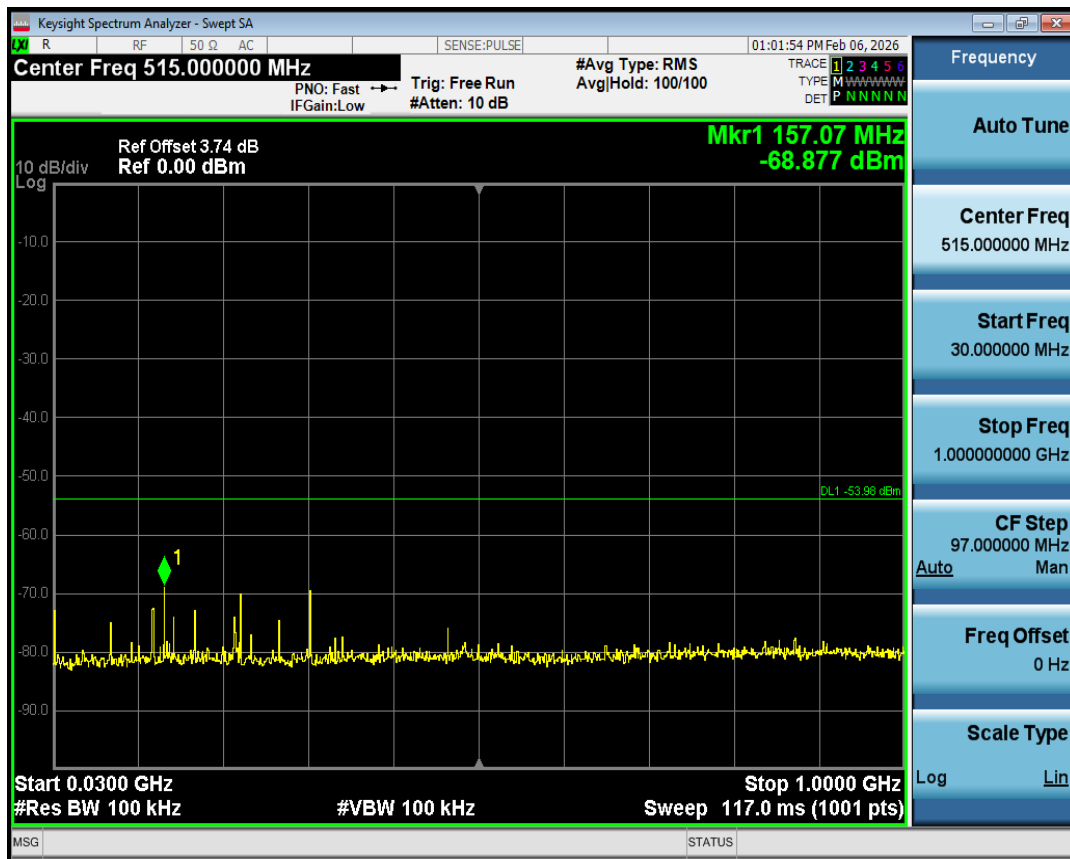


Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



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

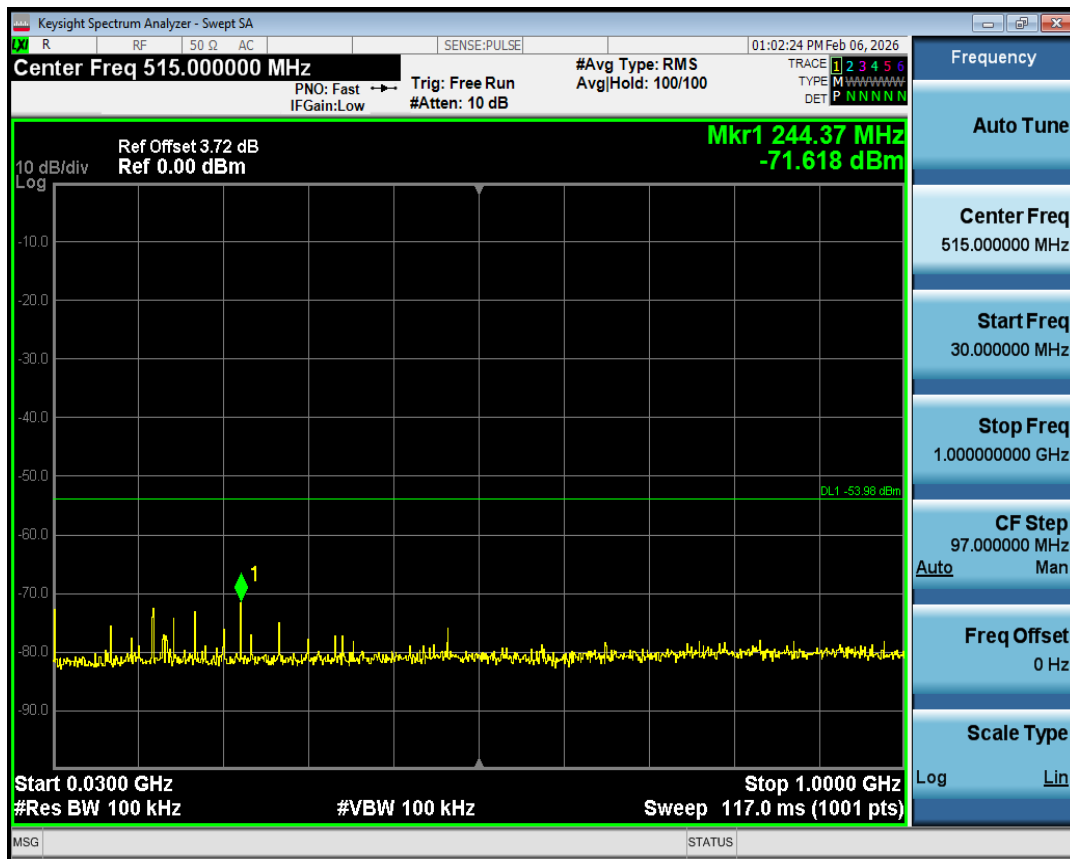
Report



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



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

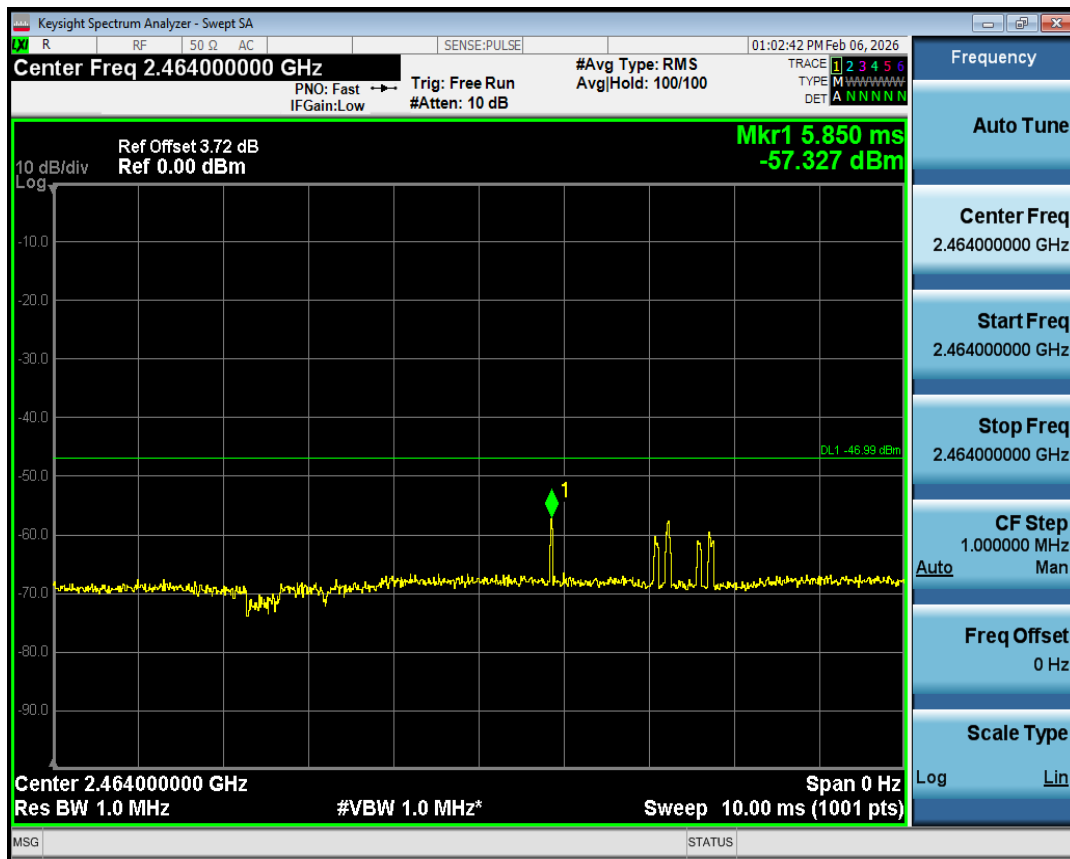


Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz

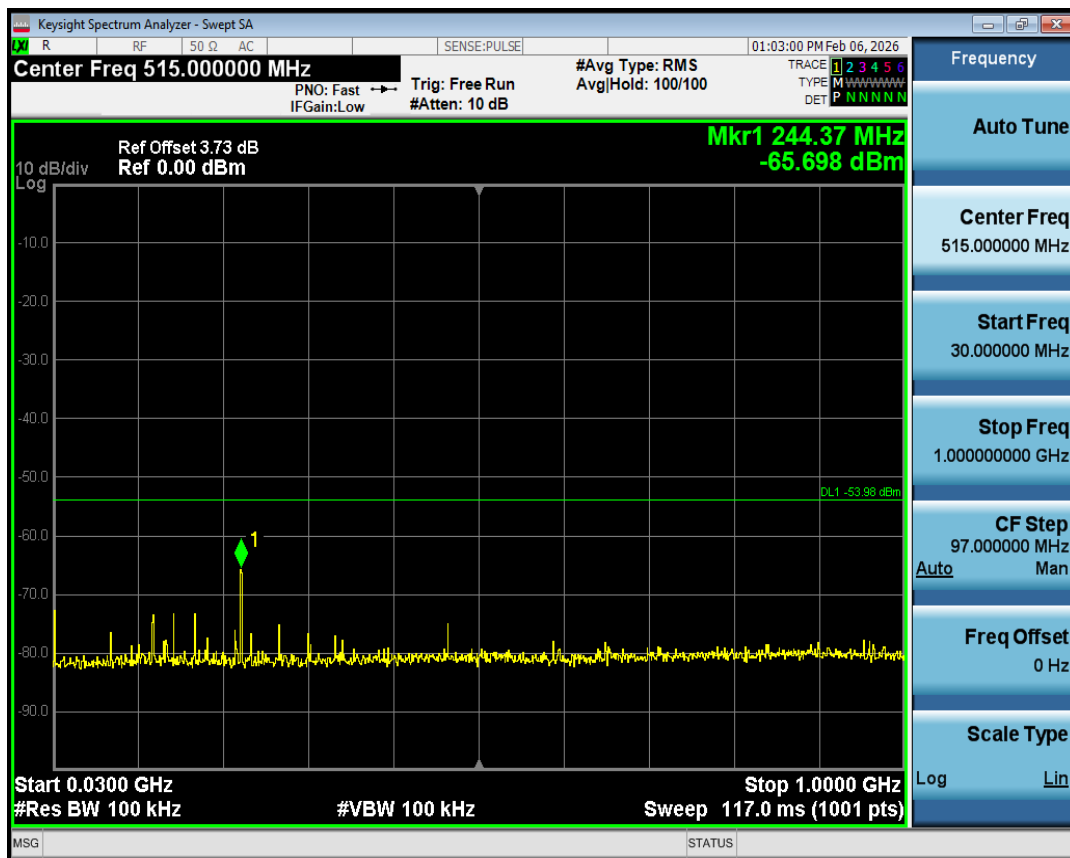


Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-13000MHz

Report

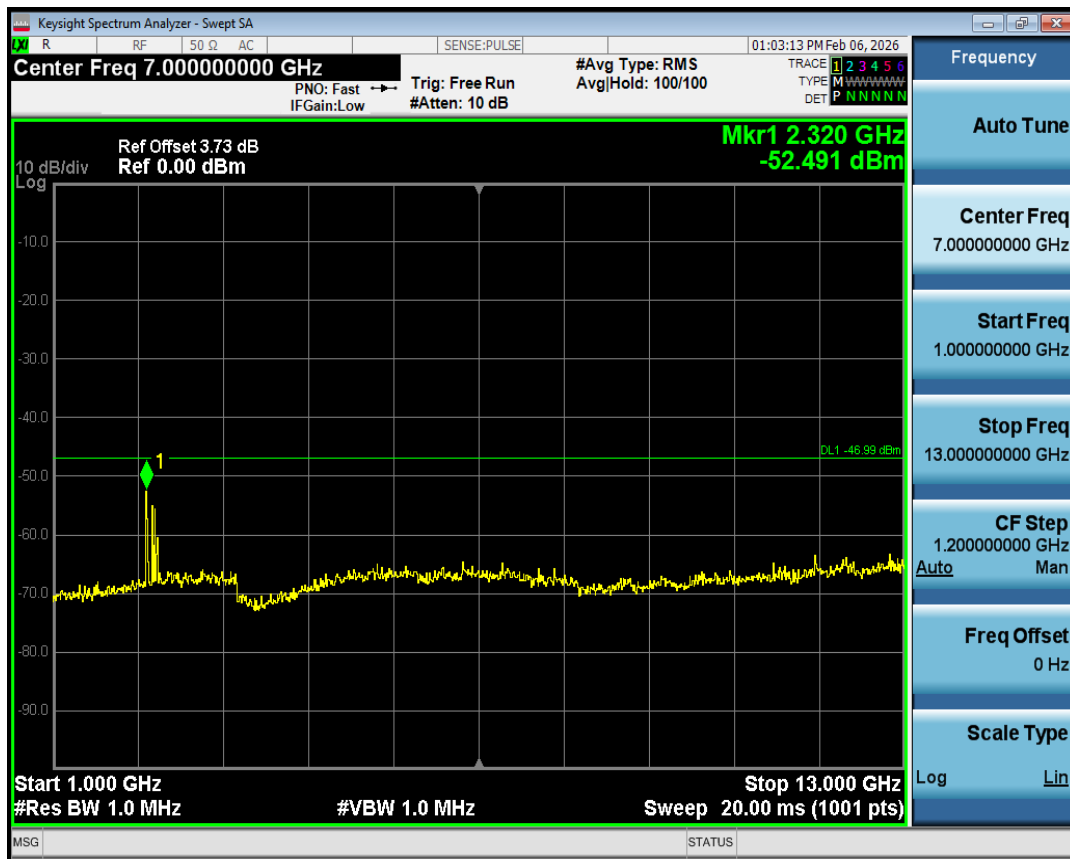


Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-13000MHz Final

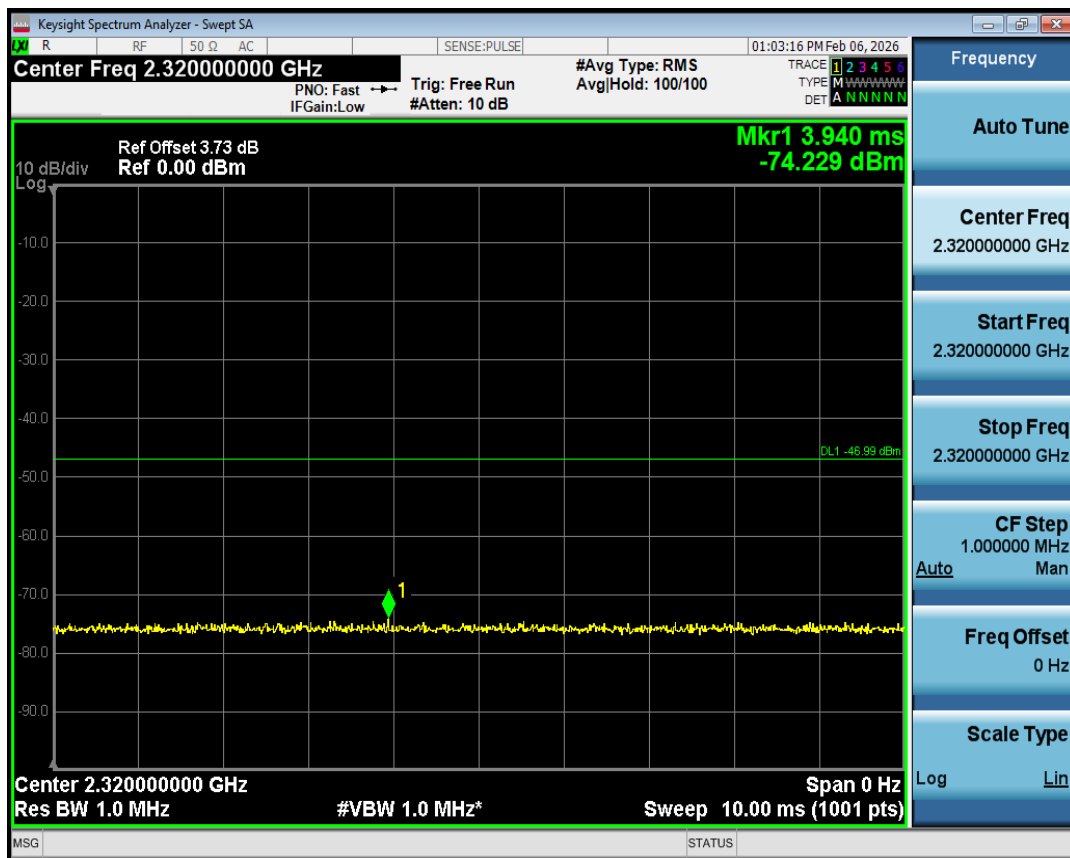


Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz

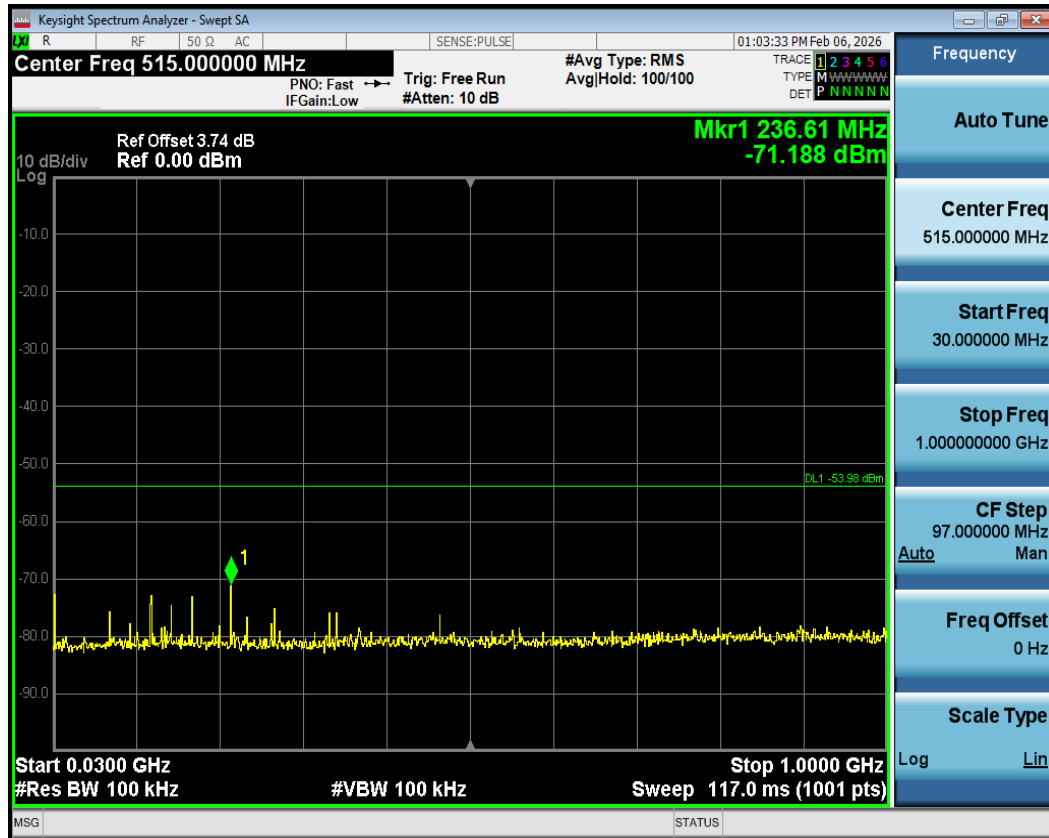
Report



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



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



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



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