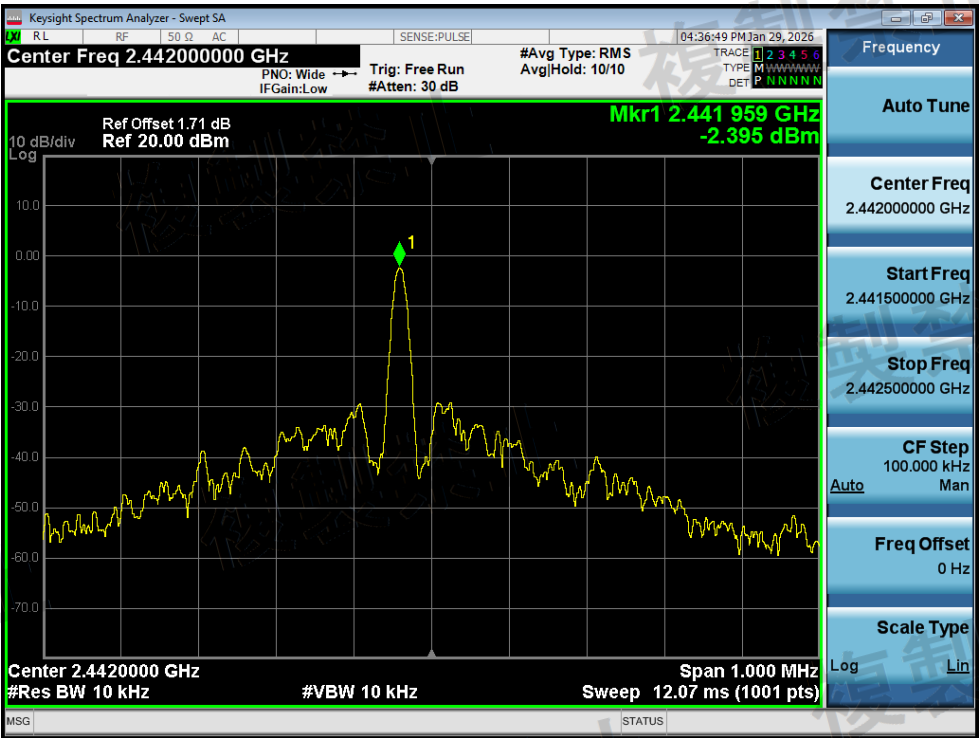


1. Frequency Error

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2402	Ant1	2401.96	-40000	-16.65	±50	Pass
NVNT	2442	Ant1	2441.959	-41000	-16.79	±50	Pass
NVNT	2480	Ant1	2479.959	-41000	-16.53	±50	Pass



Freq. Error NVNT 2402MHz Ant1



Freq. Error NVNT 2442MHz Ant1



Freq. Error NVNT 2480MHz Ant1

2. Antenna and EIRP Power

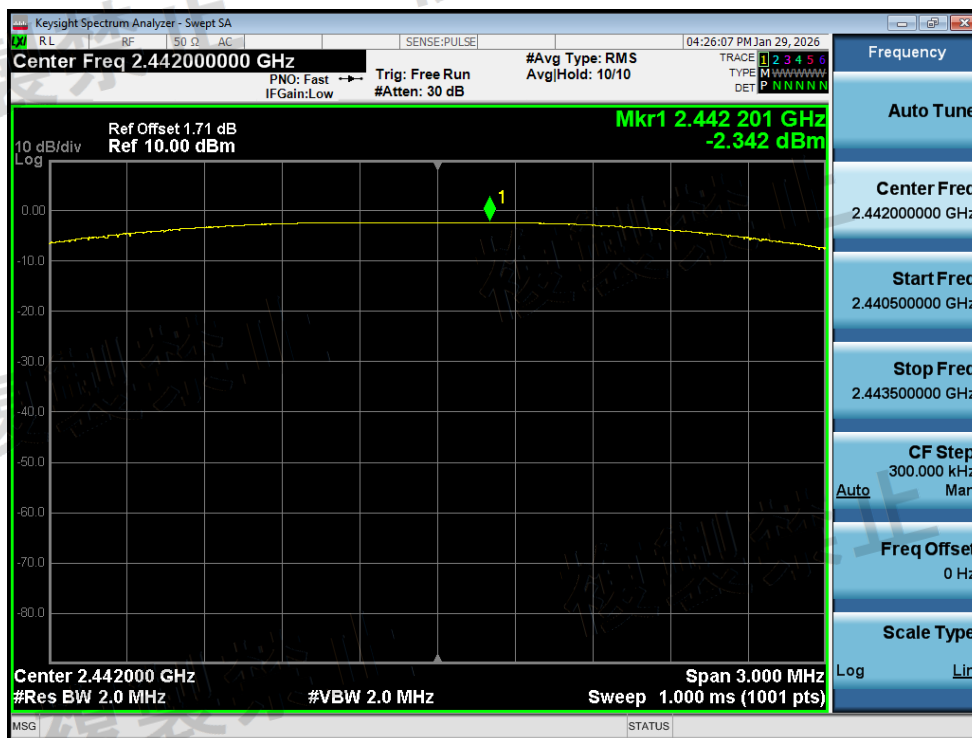
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Antenna Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.48	0.57	10	1	-43	+20	Pass
NVNT	BLE 1M	2442	Ant1	-2.34	0.58	10	1	-42	+20	Pass
NVNT	BLE 1M	2480	Ant1	-2.98	0.5	10	1	-50	+20	Pass
NVNT	BLE 2M	2402	Ant1	-2.43	0.57	10	1	-43	+20	Pass
NVNT	BLE 2M	2442	Ant1	-2.38	0.58	10	1	-42	+20	Pass
NVNT	BLE 2M	2480	Ant1	-2.9	0.51	10	1	-49	+20	Pass



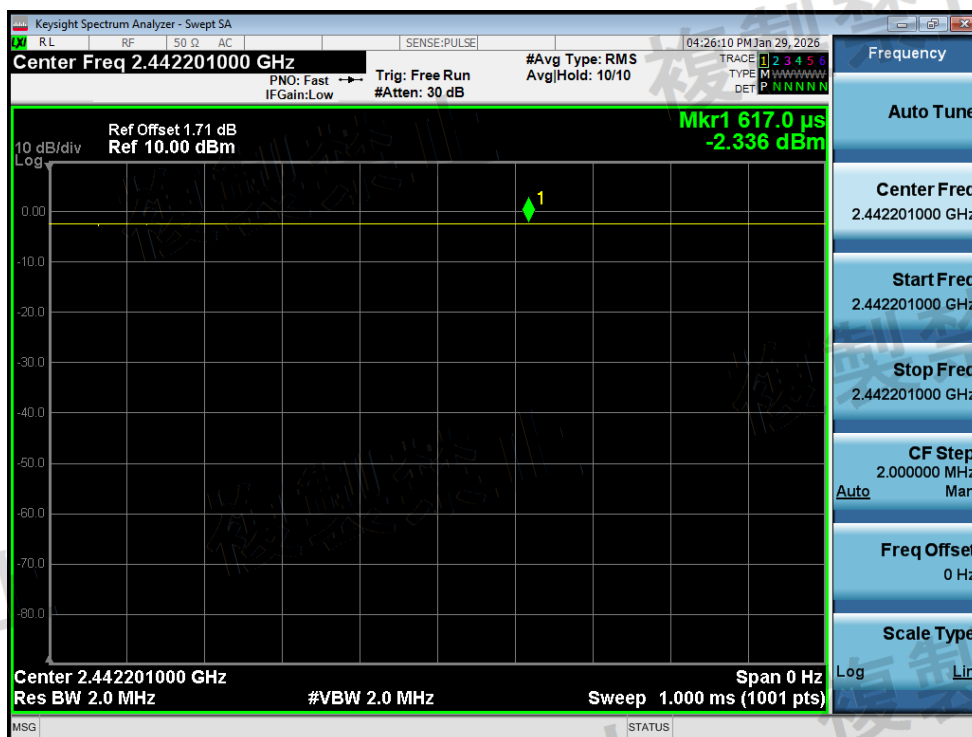
Power NVNT BLE 1M 2402MHz Ant1 Pre Scan



Power NVNT BLE 1M 2402MHz Ant1 Zero Span



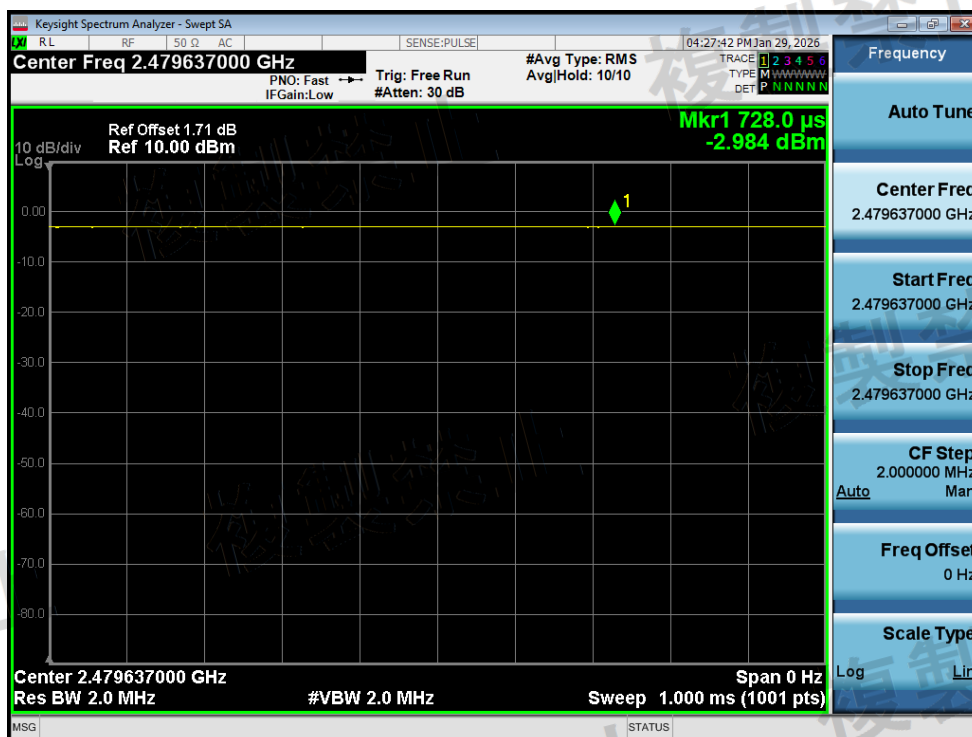
Power NVNT BLE 1M 2442MHz Ant1 Pre Scan



Power NVNT BLE 1M 2442MHz Ant1 Zero Span



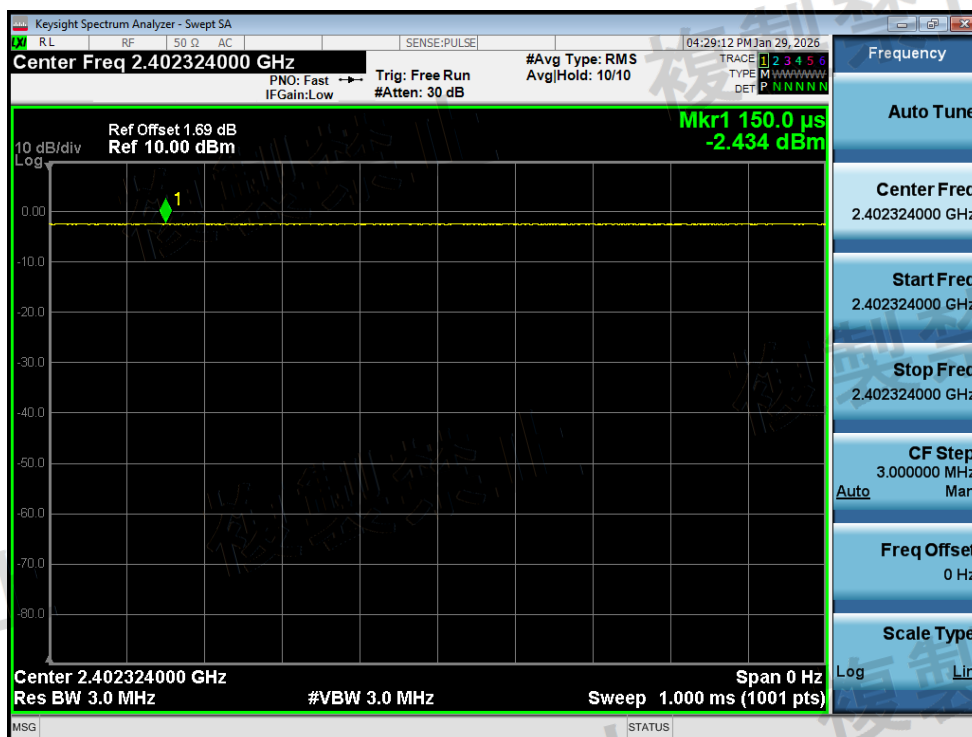
Power NVNT BLE 1M 2480MHz Ant1 Pre Scan



Power NVNT BLE 1M 2480MHz Ant1 Zero Span



Power NVNT BLE 2M 2402MHz Ant1 Pre Scan



Power NVNT BLE 2M 2402MHz Ant1 Zero Span



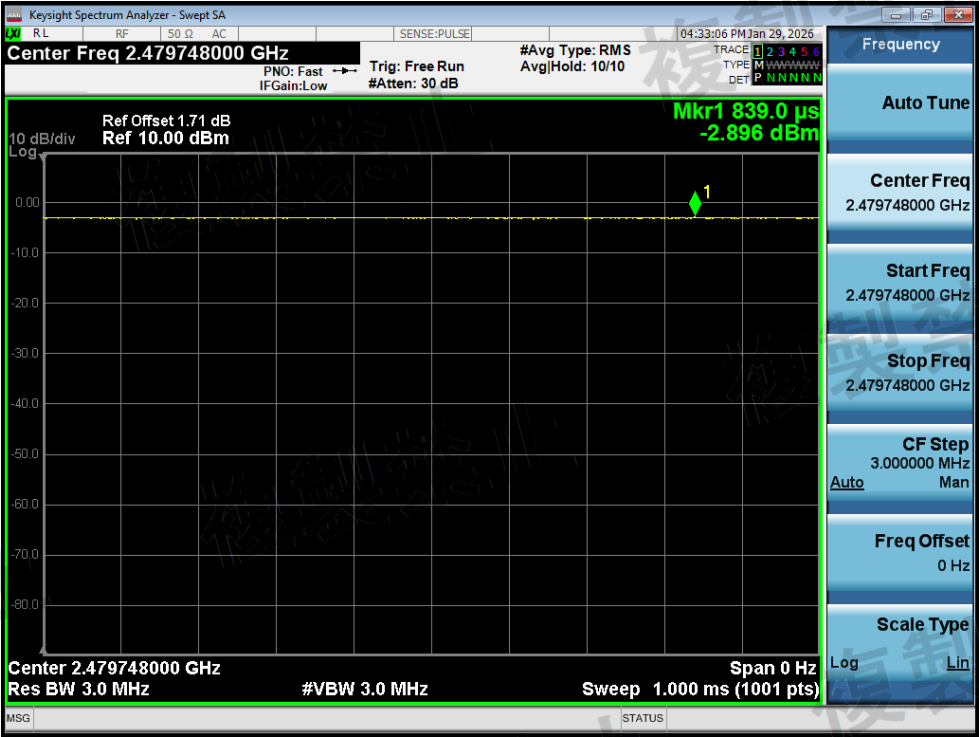
Power NVNT BLE 2M 2442MHz Ant1 Pre Scan



Power NVNT BLE 2M 2442MHz Ant1 Zero Span



Power NVNT BLE 2M 2480MHz Ant1 Pre Scan



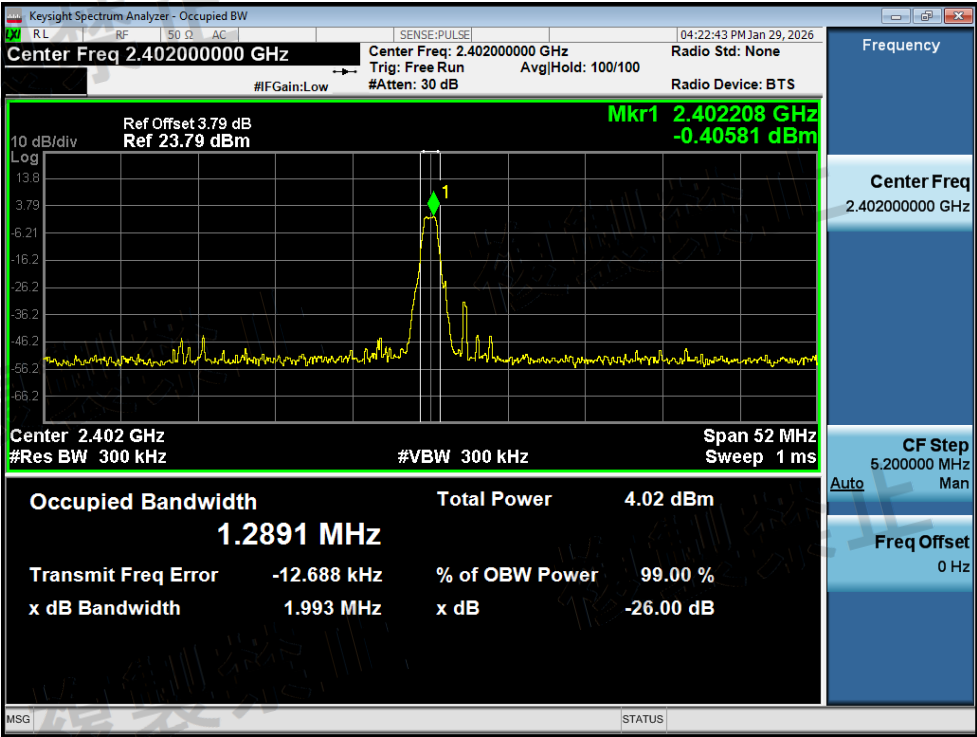
Power NVNT BLE 2M 2480MHz Ant1 Zero Span

3. EIRP Power

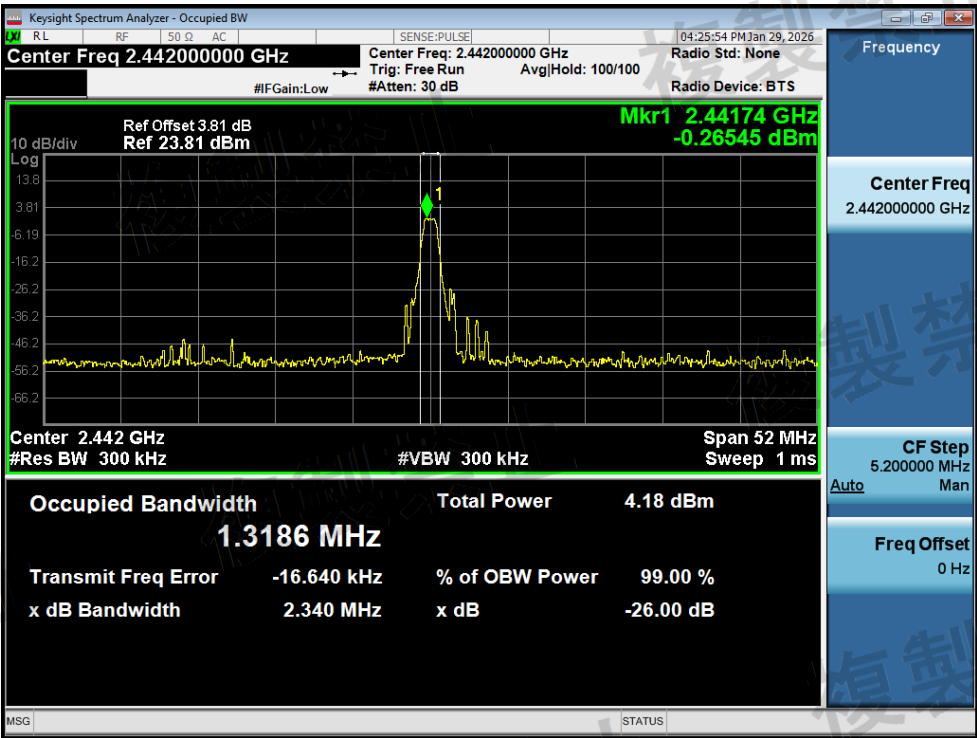
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.48	2.1	-0.38	12.14	Pass
NVNT	BLE 1M	2442	Ant1	-2.34	2.1	-0.24	12.14	Pass
NVNT	BLE 1M	2480	Ant1	-2.98	2.1	-0.88	12.14	Pass
NVNT	BLE 2M	2402	Ant1	-2.43	2.1	-0.33	12.14	Pass
NVNT	BLE 2M	2442	Ant1	-2.38	2.1	-0.28	12.14	Pass
NVNT	BLE 2M	2480	Ant1	-2.9	2.1	-0.8	12.14	Pass

4. Occupied Channel Bandwidth

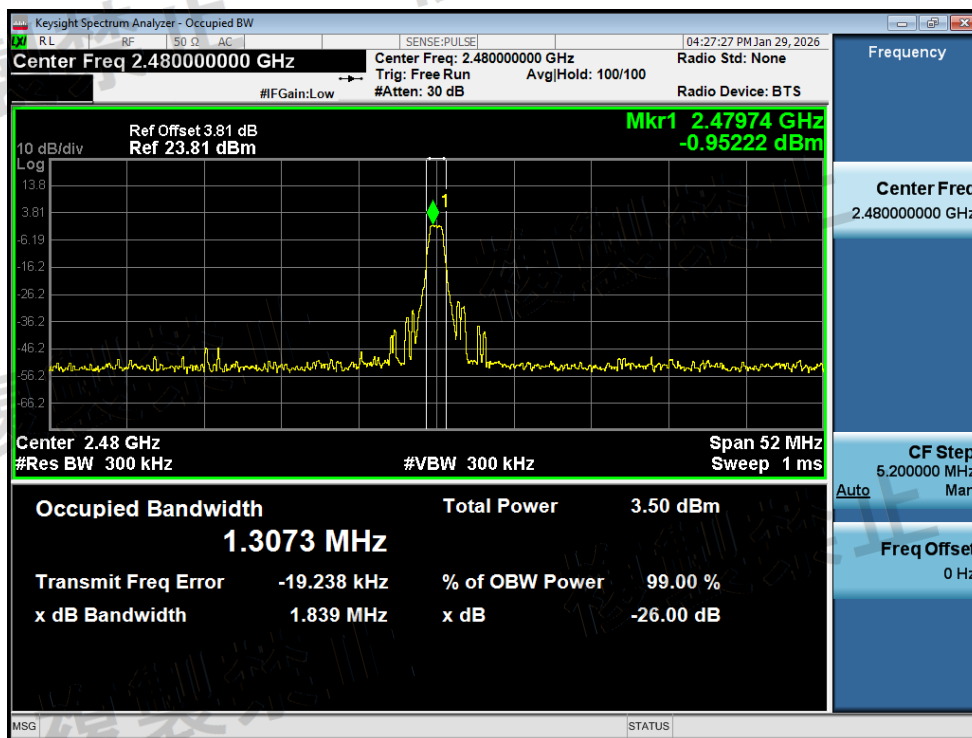
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1.289	≤ 26	Pass
NVNT	BLE 1M	2442	Ant1	1.319	≤ 26	Pass
NVNT	BLE 1M	2480	Ant1	1.307	≤ 26	Pass
NVNT	BLE 2M	2402	Ant1	2.152	≤ 26	Pass
NVNT	BLE 2M	2442	Ant1	2.176	≤ 26	Pass
NVNT	BLE 2M	2480	Ant1	2.184	≤ 26	Pass



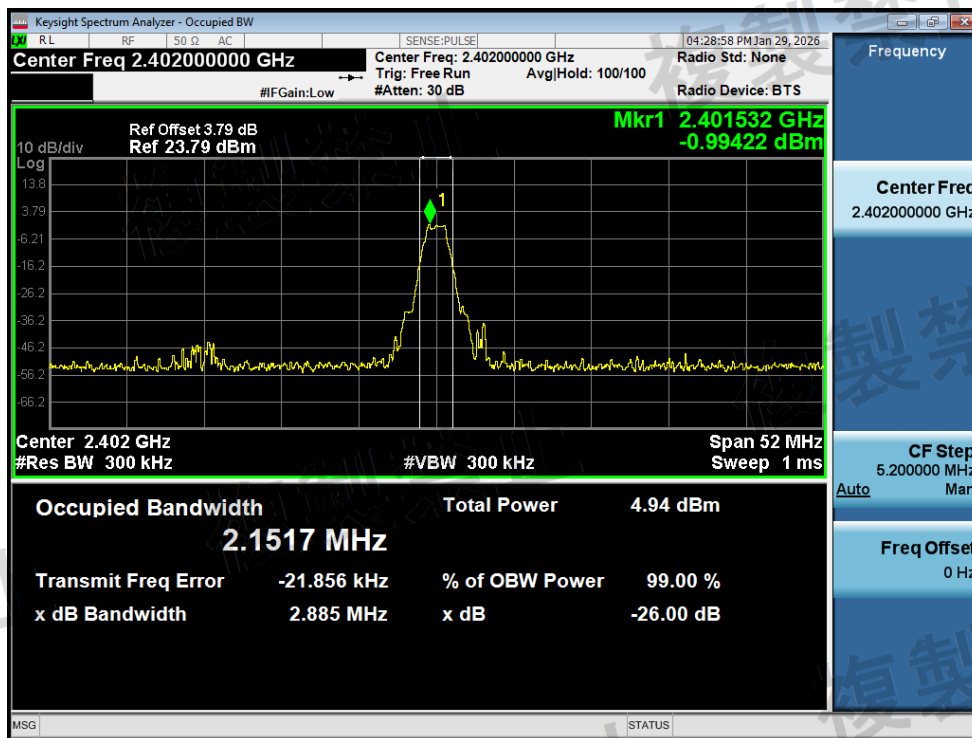
OBW NVNT BLE 1M 2402MHz Ant1



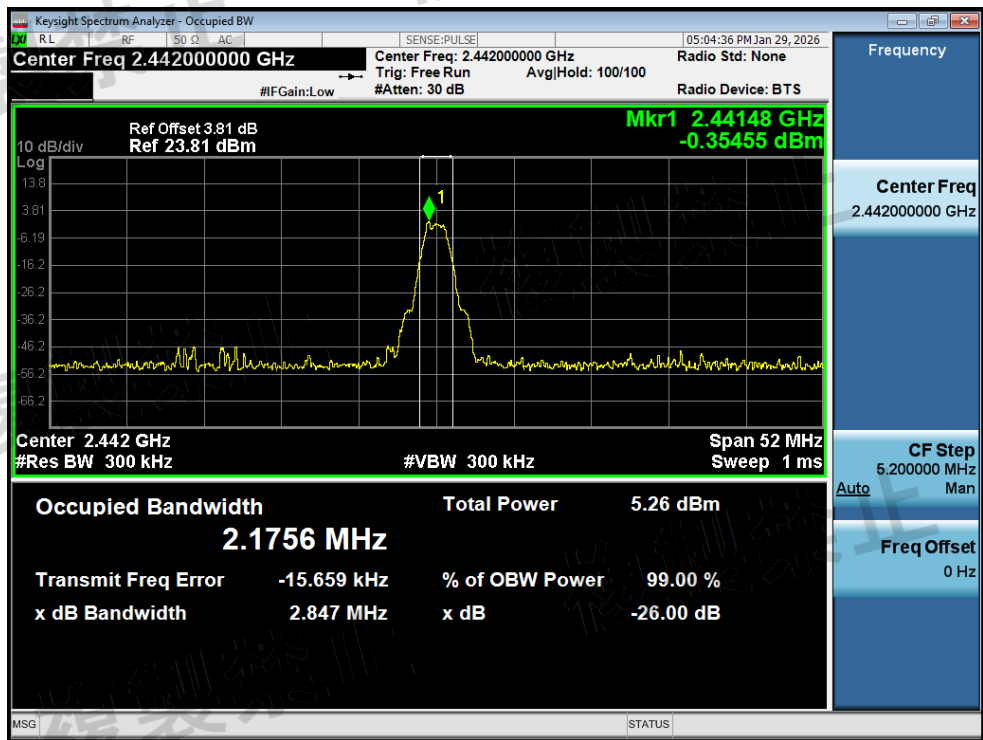
OBW NVNT BLE 1M 2442MHz Ant1



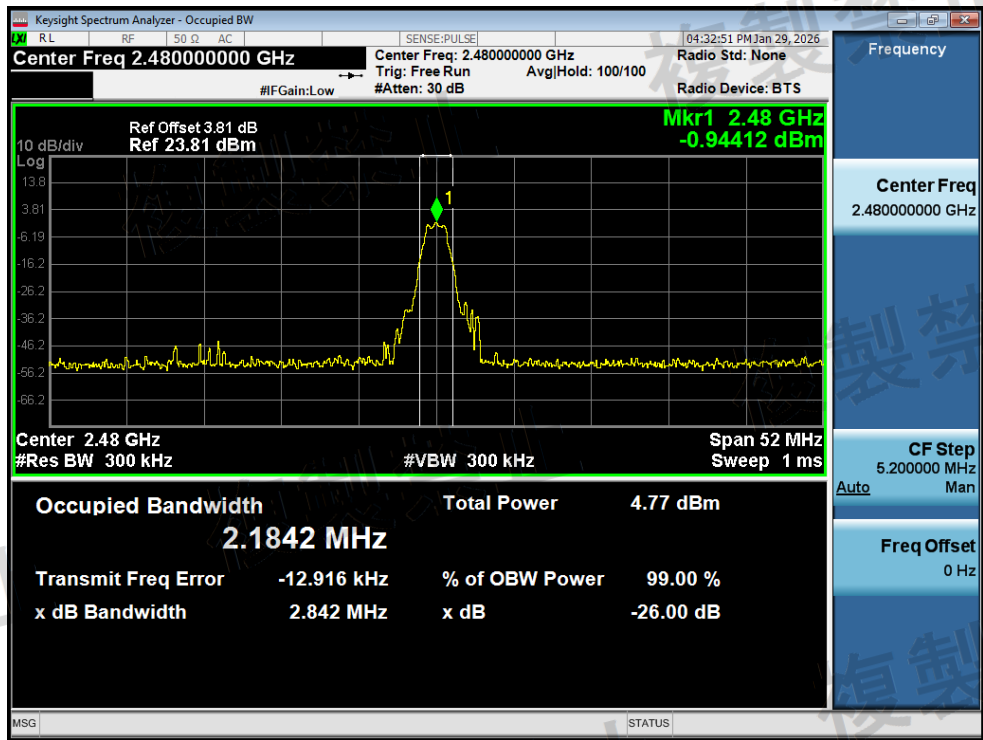
OBW NVNT BLE 1M 2480MHz Ant1



OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2442MHz Ant1

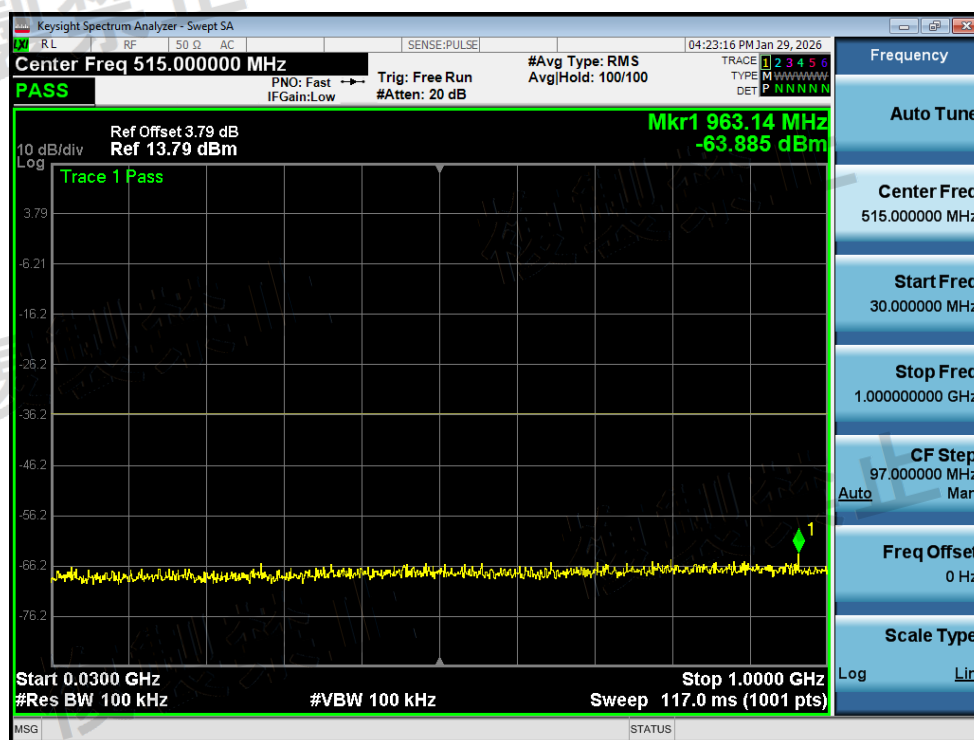


OBW NVNT BLE 2M 2480MHz Ant1

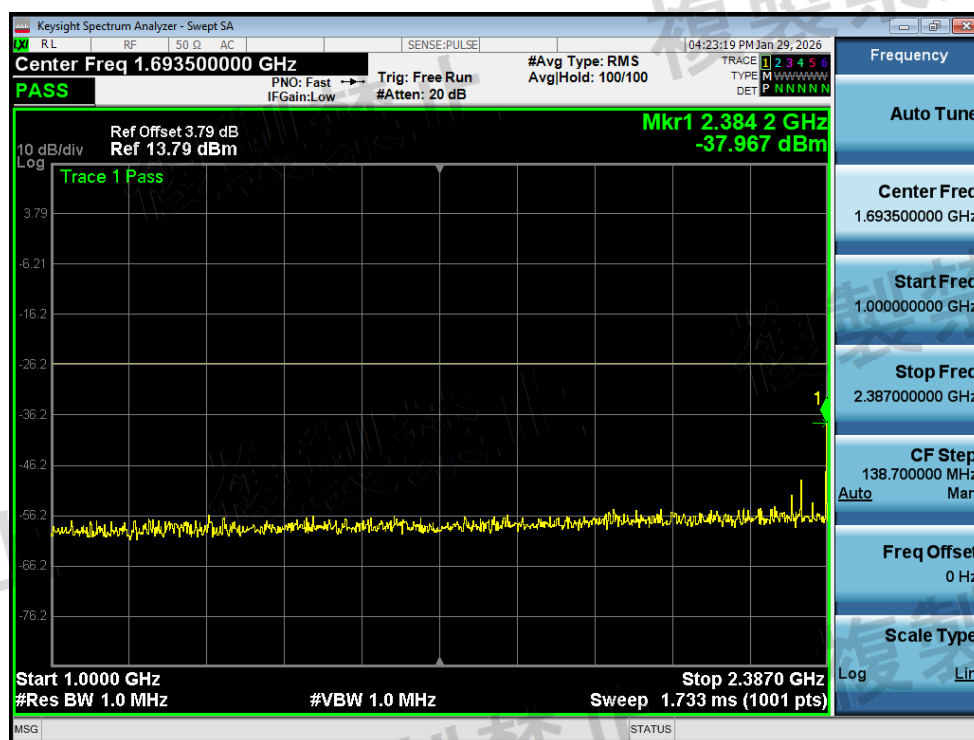
5. Tx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (μ W/ MHz)	Limit (μ W/ MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	963.14	-53.89	0.0041	2.5	Pass
NVNT	BLE 1M	2402	Ant1	1000-2387	2384.23	-37.97	0.1596	2.5	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2399.86	-25.24	2.992	25	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2495.55	-53.77	0.004	25	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	7202.07	-33.67	0.430	2.5	Pass
NVNT	BLE 1M	2442	Ant1	30-1000	987.39	-54.88	0.003	2.5	Pass
NVNT	BLE 1M	2442	Ant1	1000-2387	2324.59	-53.85	0.0041	2.5	Pass
NVNT	BLE 1M	2442	Ant1	2387-2400	2393.76	-45.37	0.029	25	Pass
NVNT	BLE 1M	2442	Ant1	2483.5-2496.5	2489.96	-48.16	0.015	25	Pass
NVNT	BLE 1M	2442	Ant1	2496.5-13000	7328.11	-35.3	0.295	2.5	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	837.04	-54.69	0.003	2.5	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	2370.36	-52.82	0.0052	2.5	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2399.35	-50.15	0.0097	25	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2483.51	-30.91	0.811	25	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	7443.65	-36.54	0.222	2.5	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	825.4	-54.24	0.004	2.5	Pass
NVNT	BLE 2M	2402	Ant1	1000-2387	2384.23	-40.03	0.099	2.5	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2400	-22.48	5.6494	25	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2484.77	-53.8	0.004	25	Pass
NVNT	BLE 2M	2402	Ant1	2496.5-13000	7202.07	-33.81	0.416	2.5	Pass
NVNT	BLE 2M	2442	Ant1	30-1000	854.5	-54.96	0.003	2.5	Pass
NVNT	BLE 2M	2442	Ant1	1000-2387	2381.45	-53.58	0.004	2.5	Pass
NVNT	BLE 2M	2442	Ant1	2387-2400	2393.46	-45.65	0.0272	25	Pass
NVNT	BLE 2M	2442	Ant1	2483.5-2496.5	2490.94	-47.47	0.0179	25	Pass
NVNT	BLE 2M	2442	Ant1	2496.5-13000	7328.11	-35.95	0.254	2.5	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	810.85	-54.96	0.003	2.5	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	2249.69	-53.86	0.004	2.5	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2399.64	-49.85	0.010	25	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2483.55	-31.24	0.7516	25	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	7443.65	-36.6	0.219	2.5	Pass

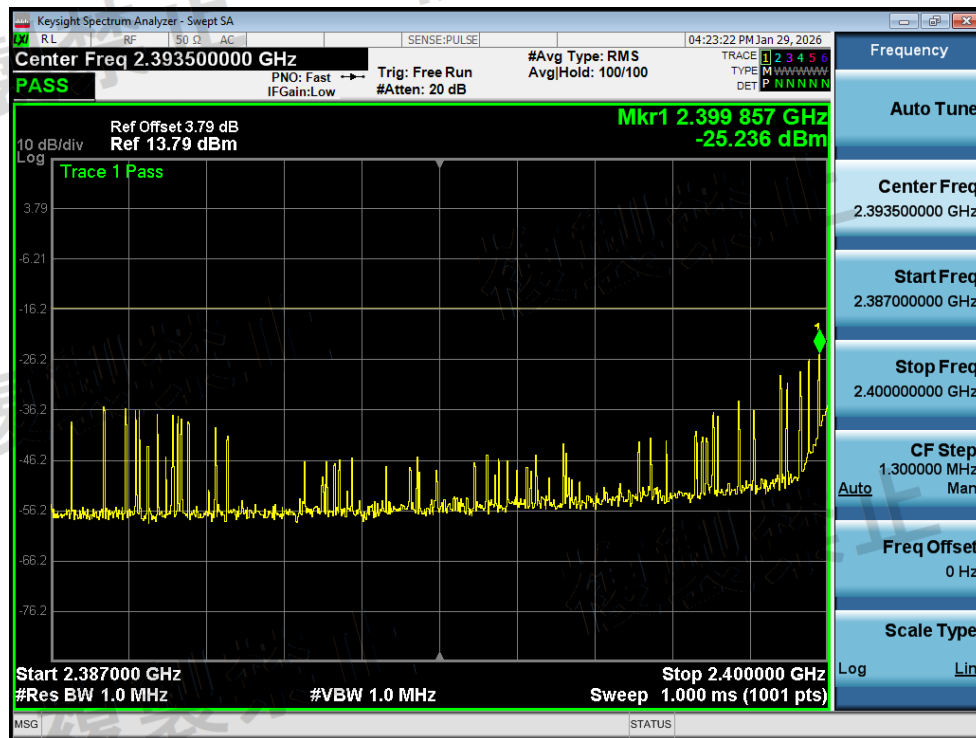
Note: For 30-1000MHz test data, the RBW of the spectrum analyzer is 100kHz, the data measured with RBW=100kHz needs to add 10dB to get the calculated data of RBW=1MHz.



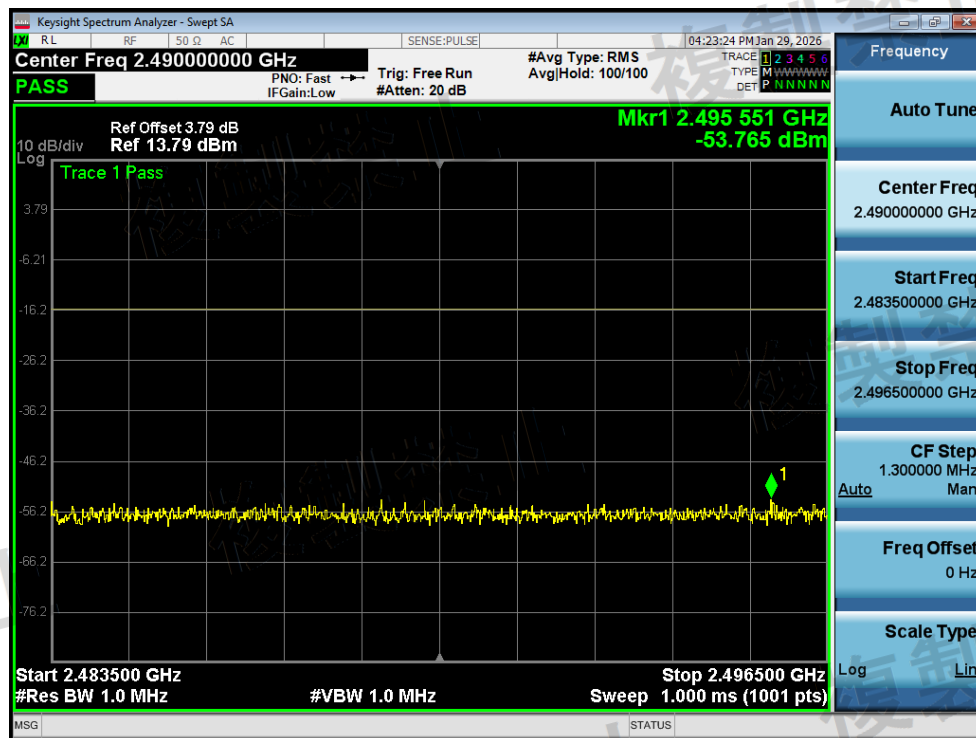
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



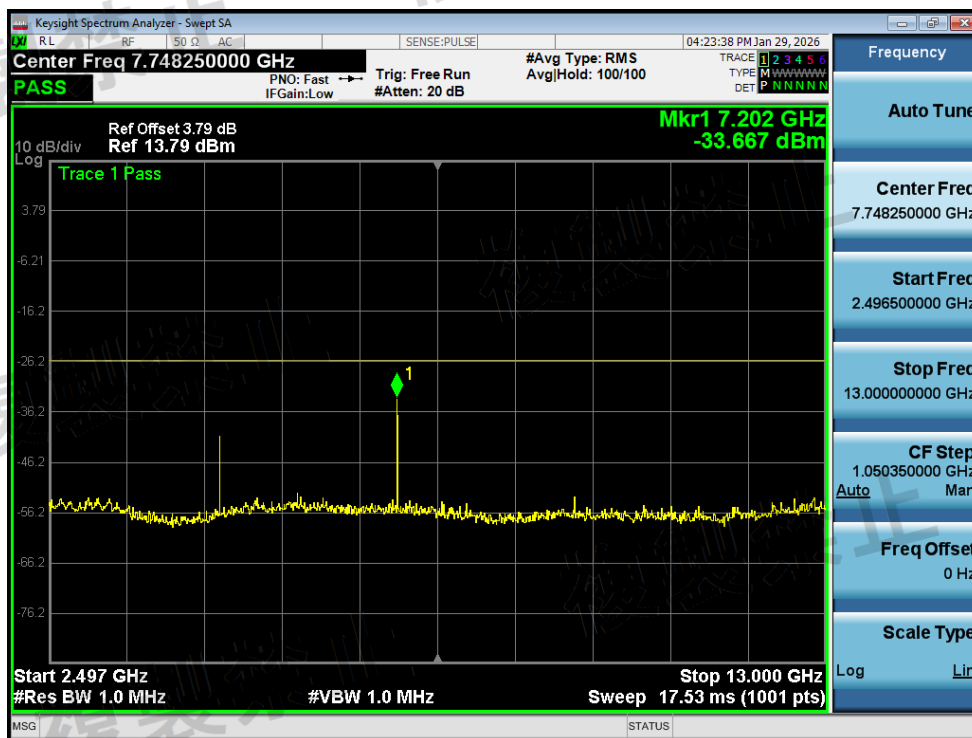
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz



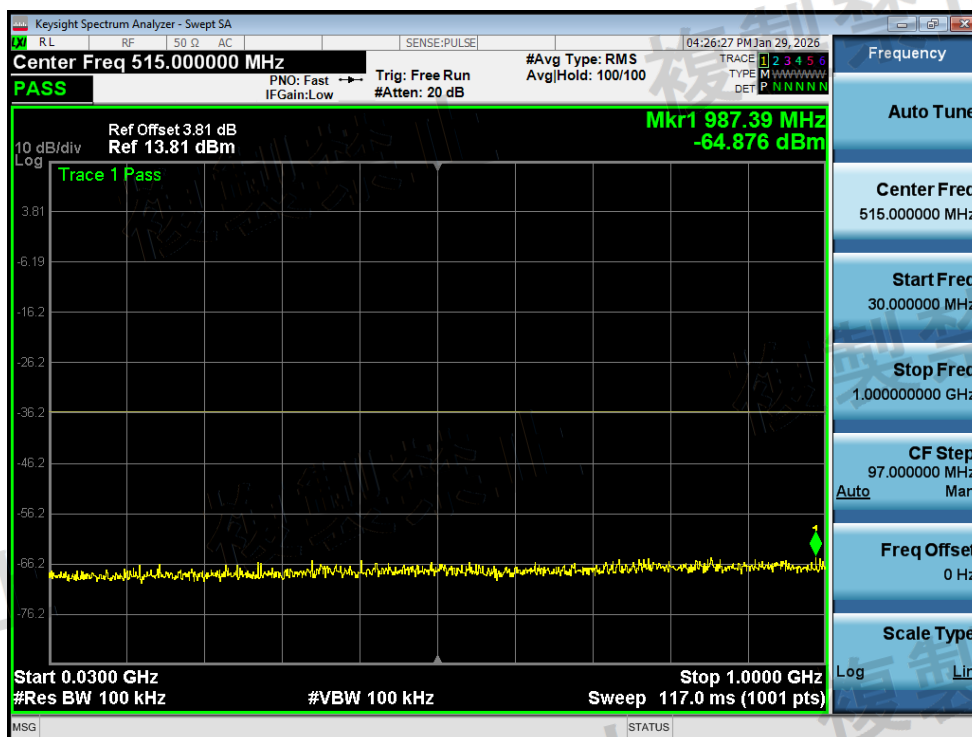
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz



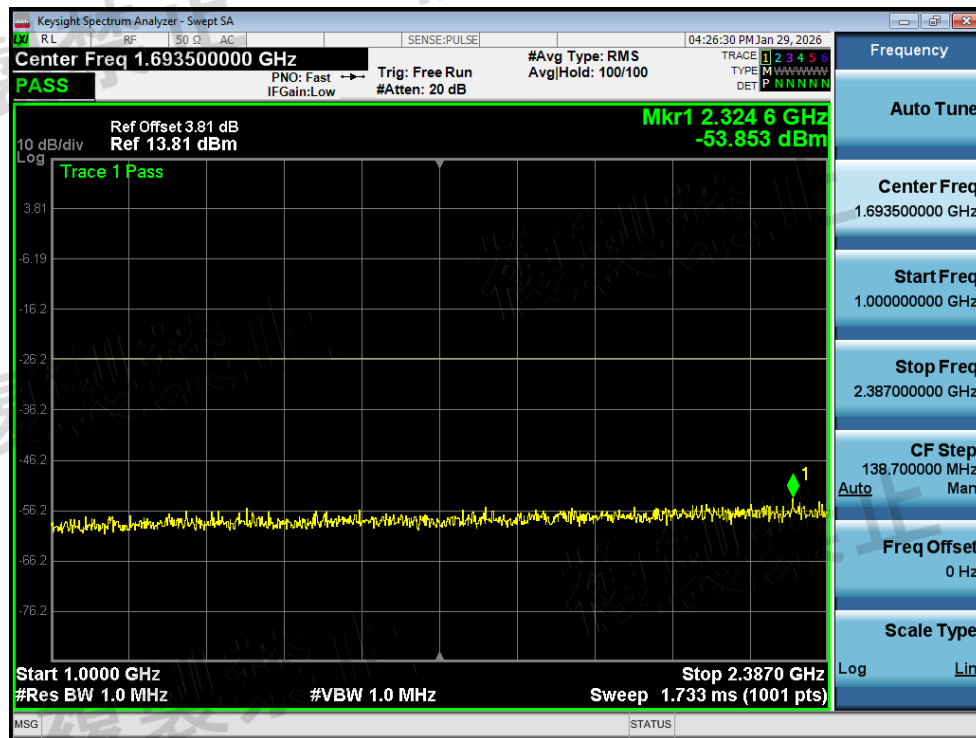
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



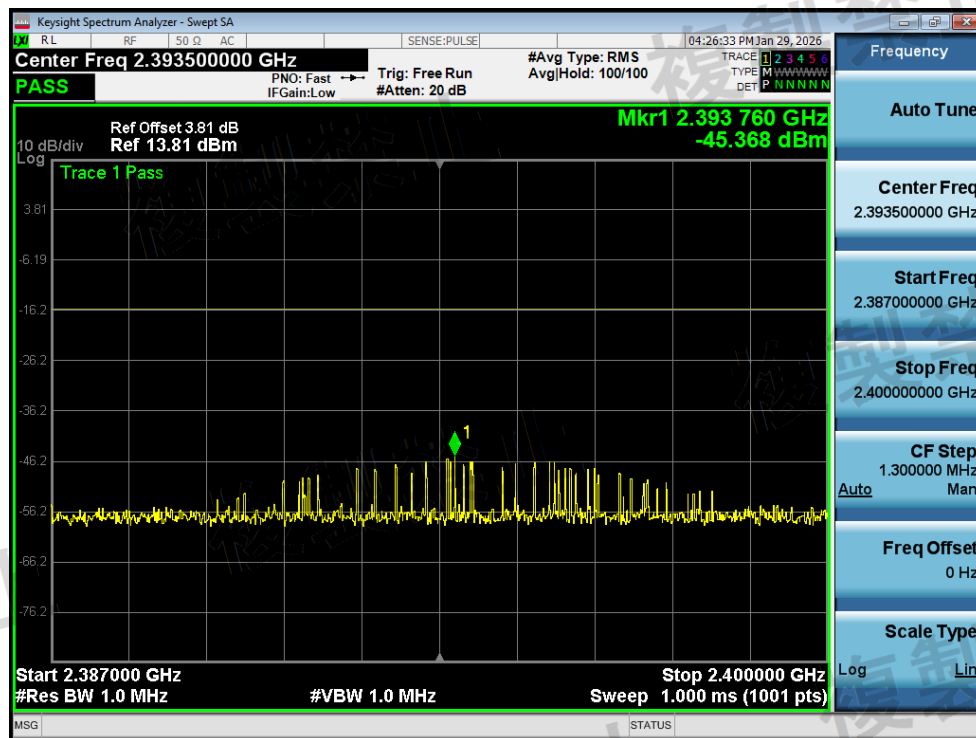
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



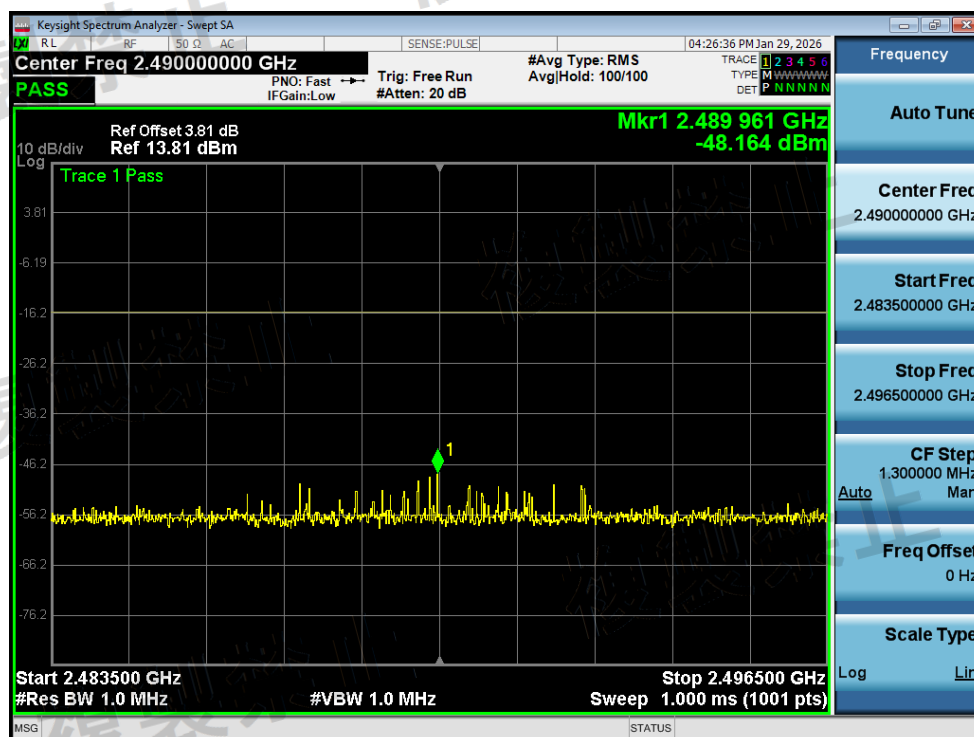
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 30MHz-1000MHz



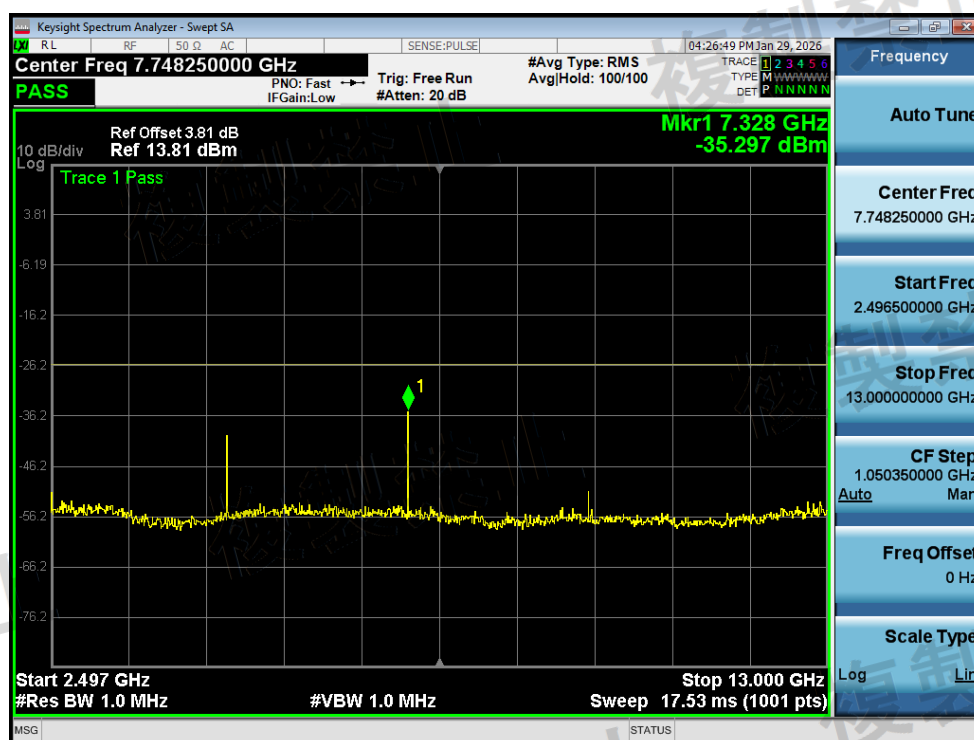
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 1000MHz-2387MHz



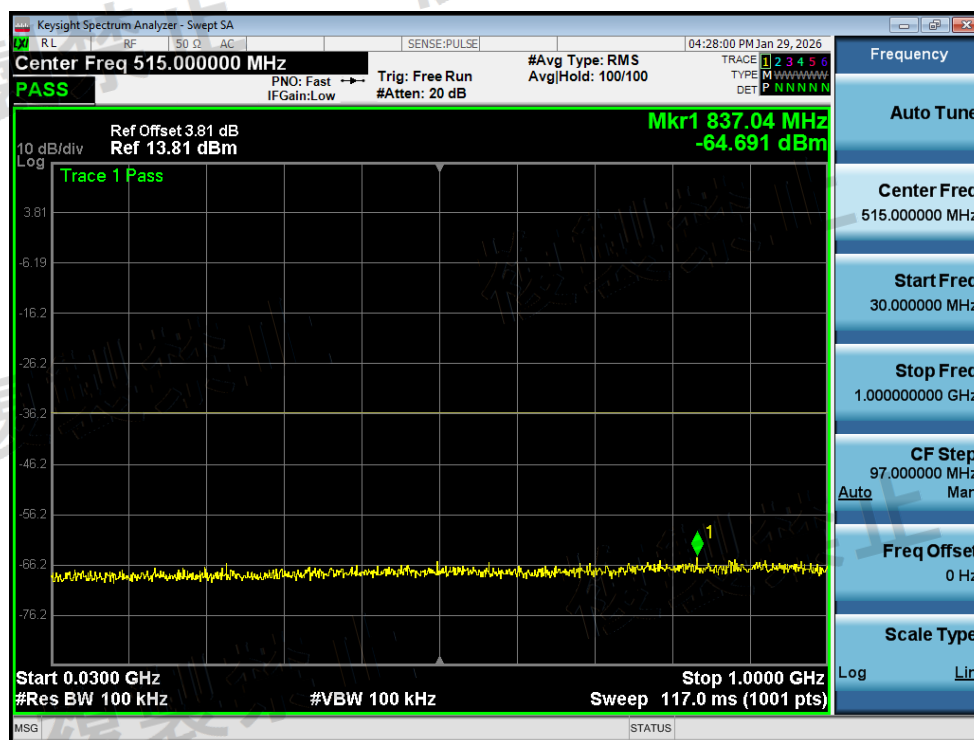
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 2387MHz-2400MHz



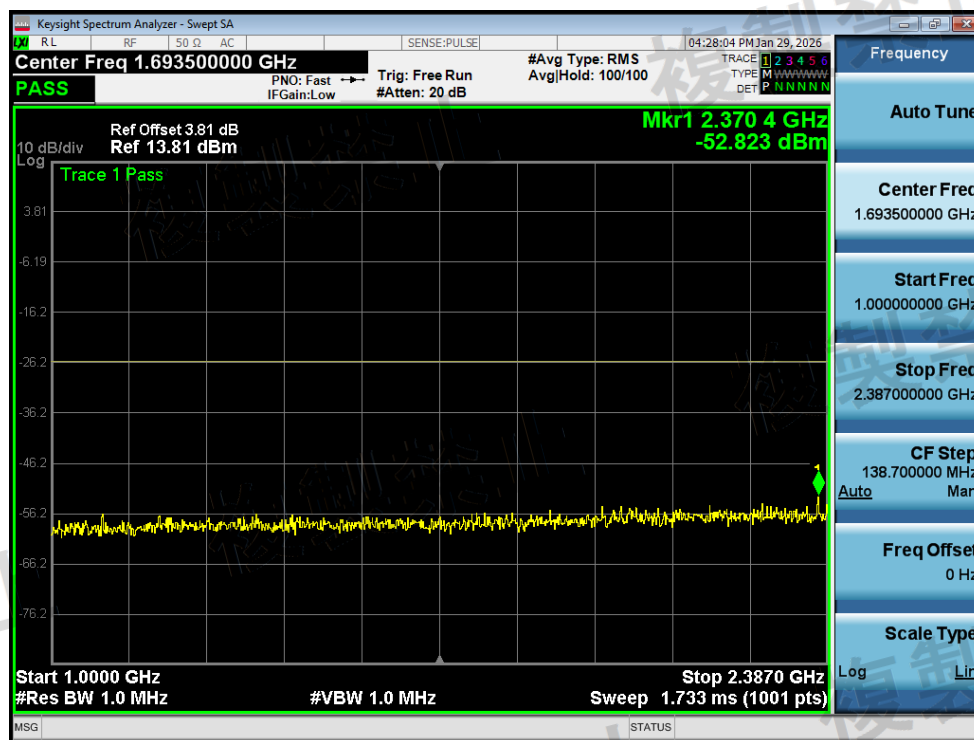
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



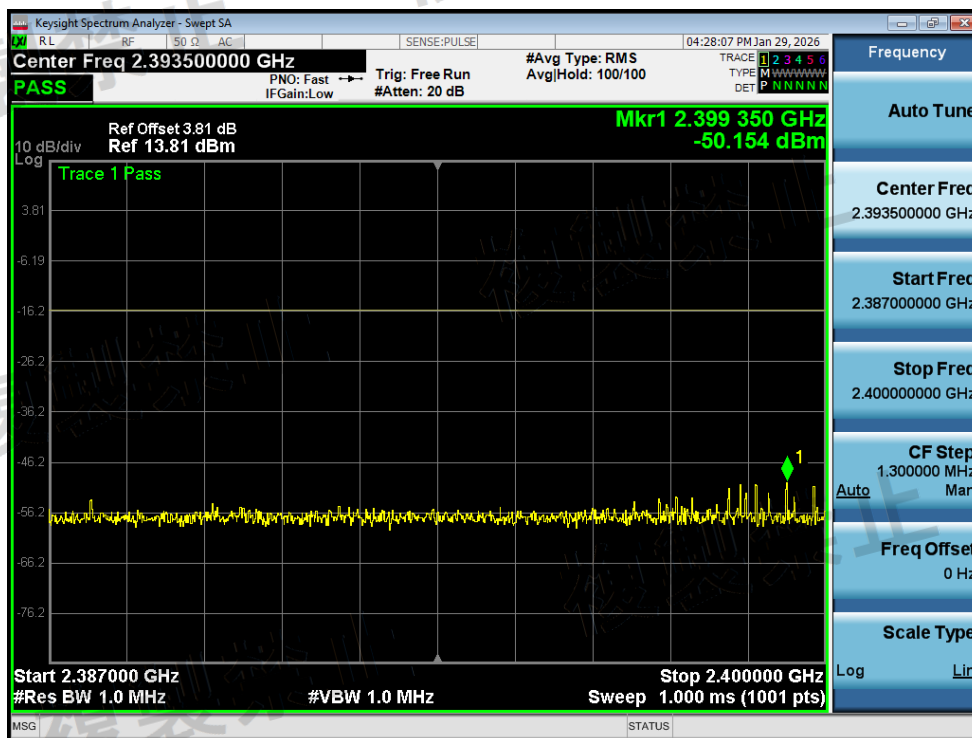
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 2496.5MHz-13000MHz



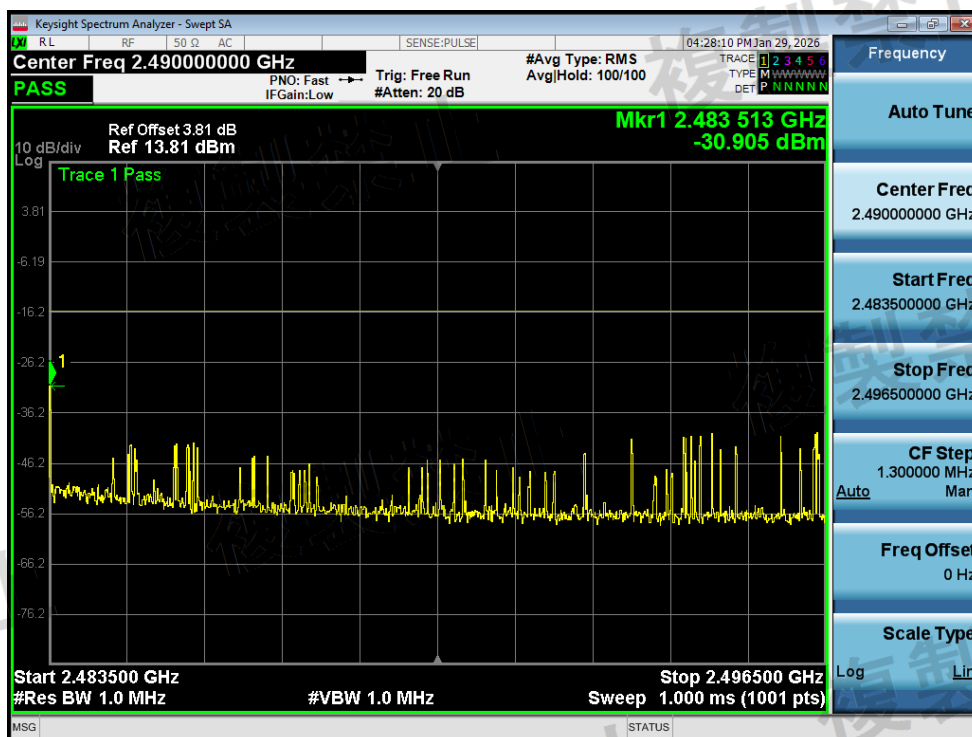
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



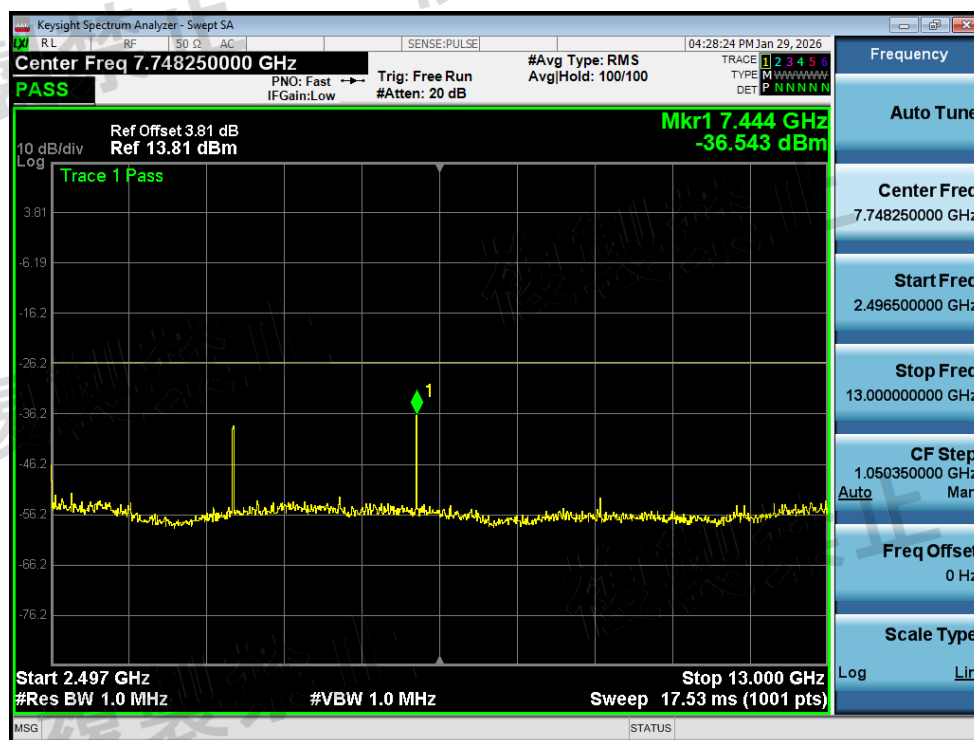
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-2387MHz



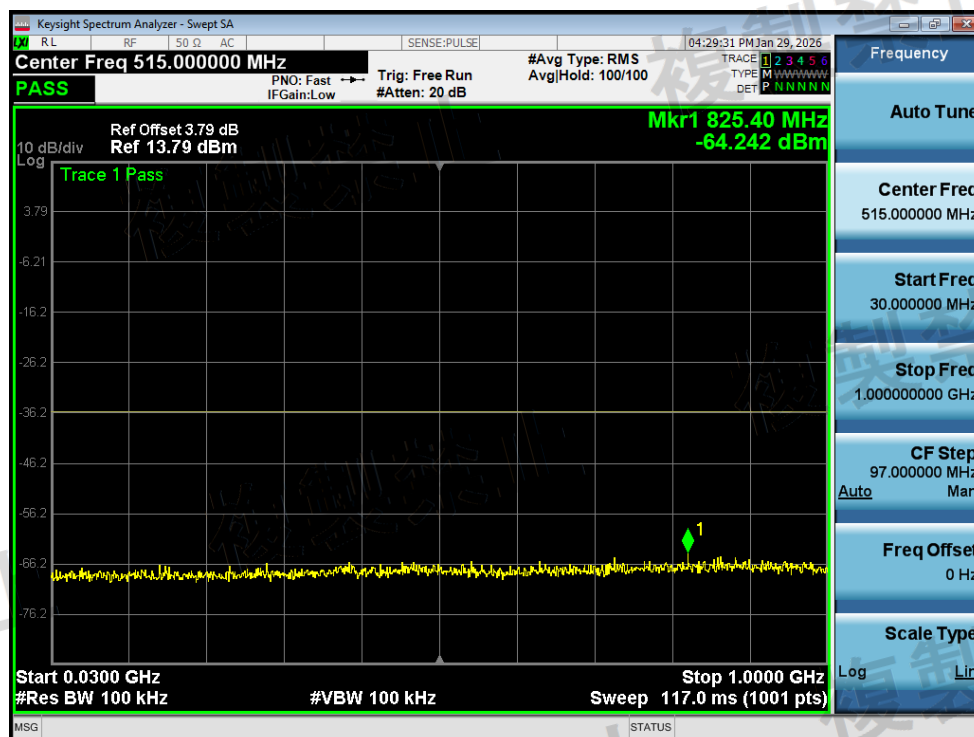
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



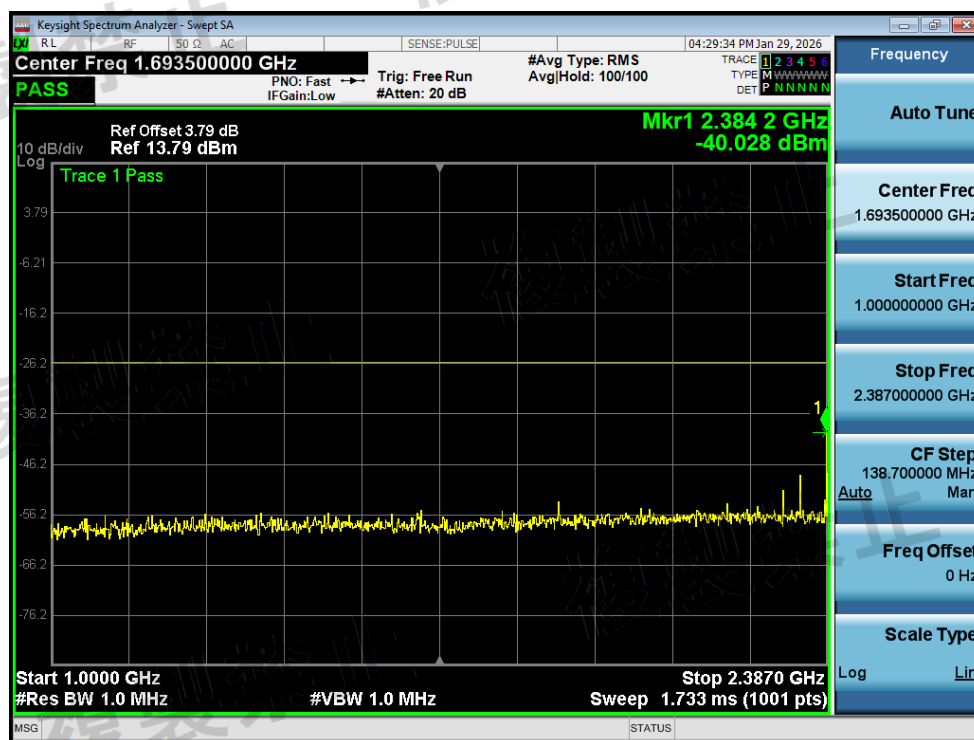
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



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



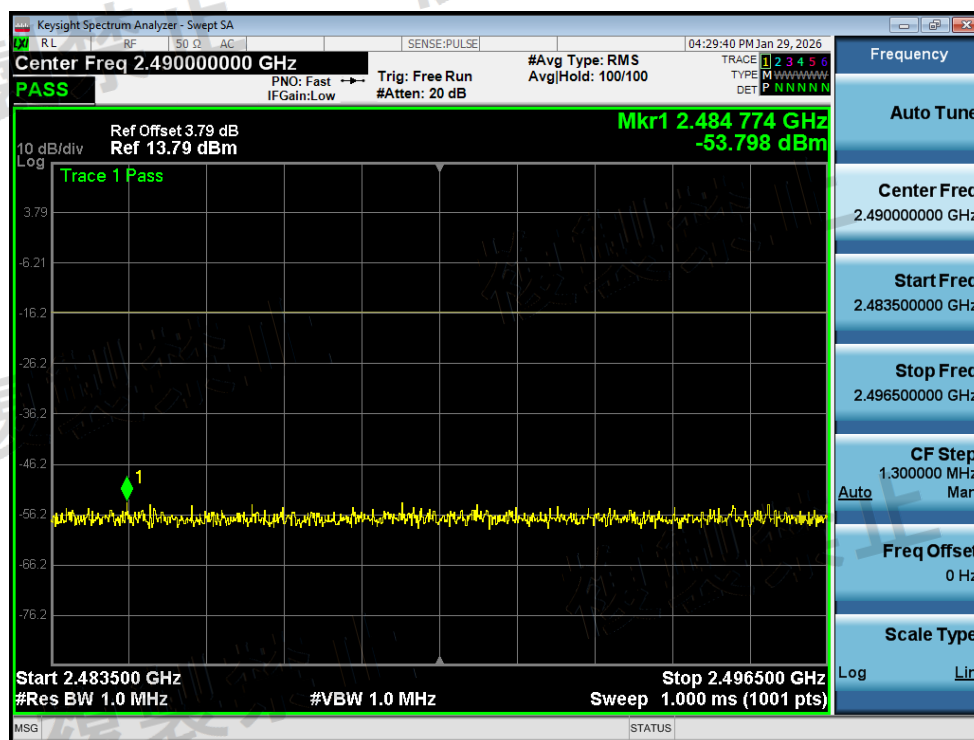
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



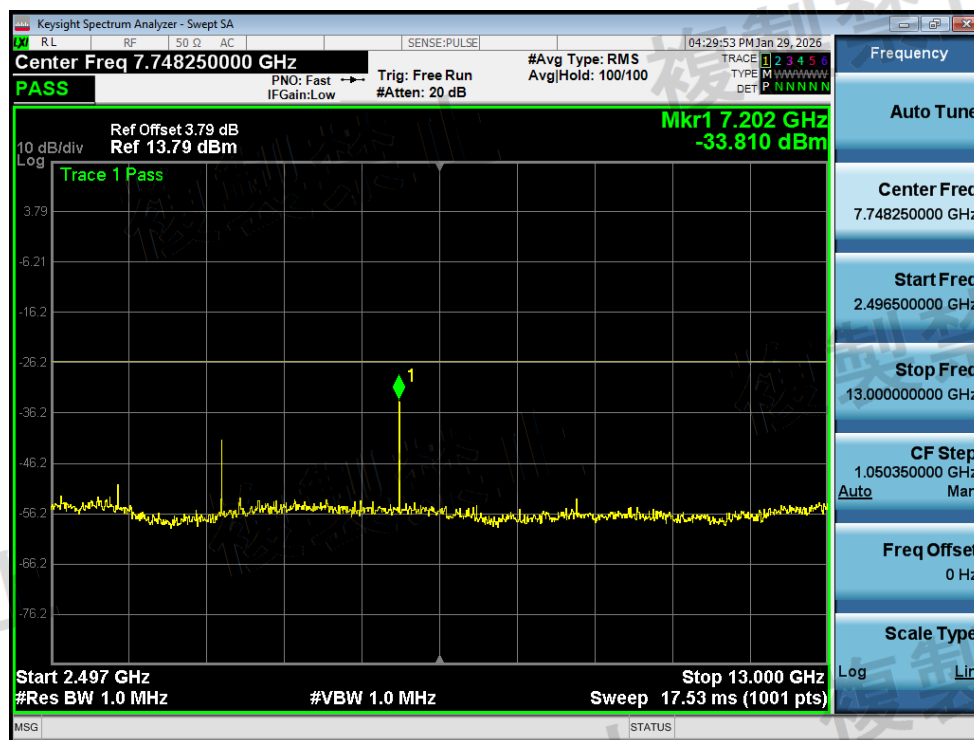
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-2387MHz



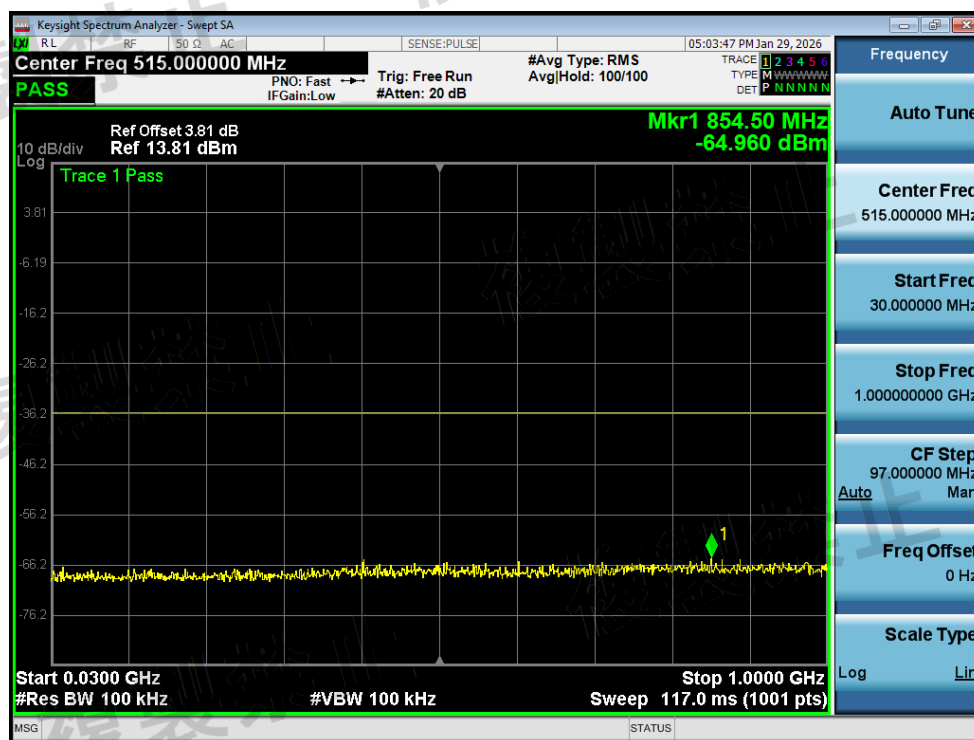
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2387MHz-2400MHz



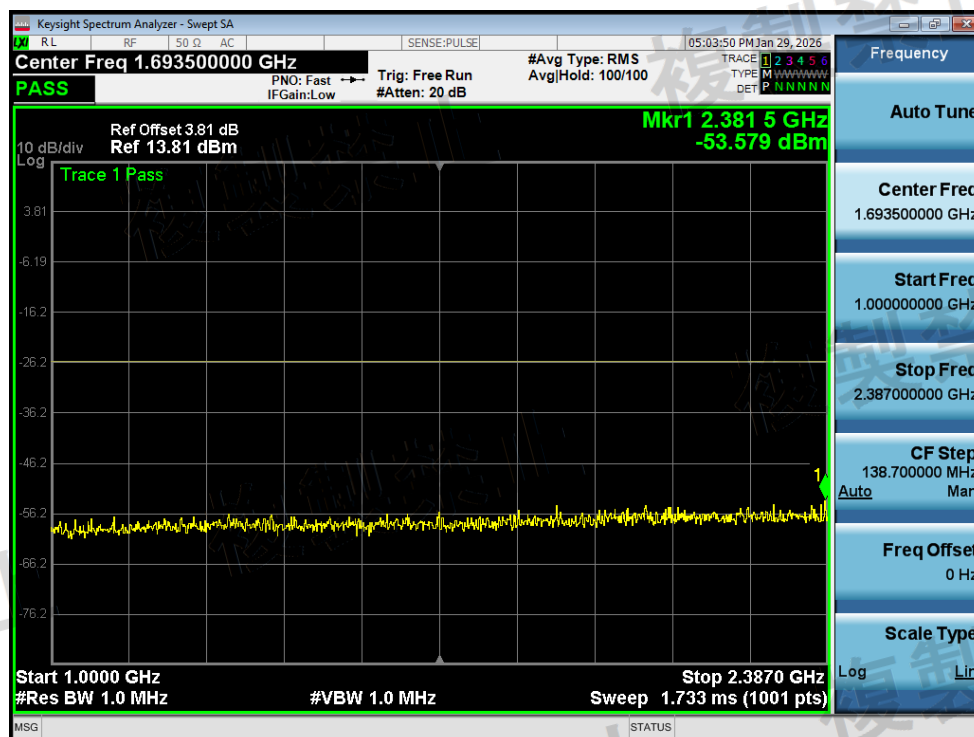
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



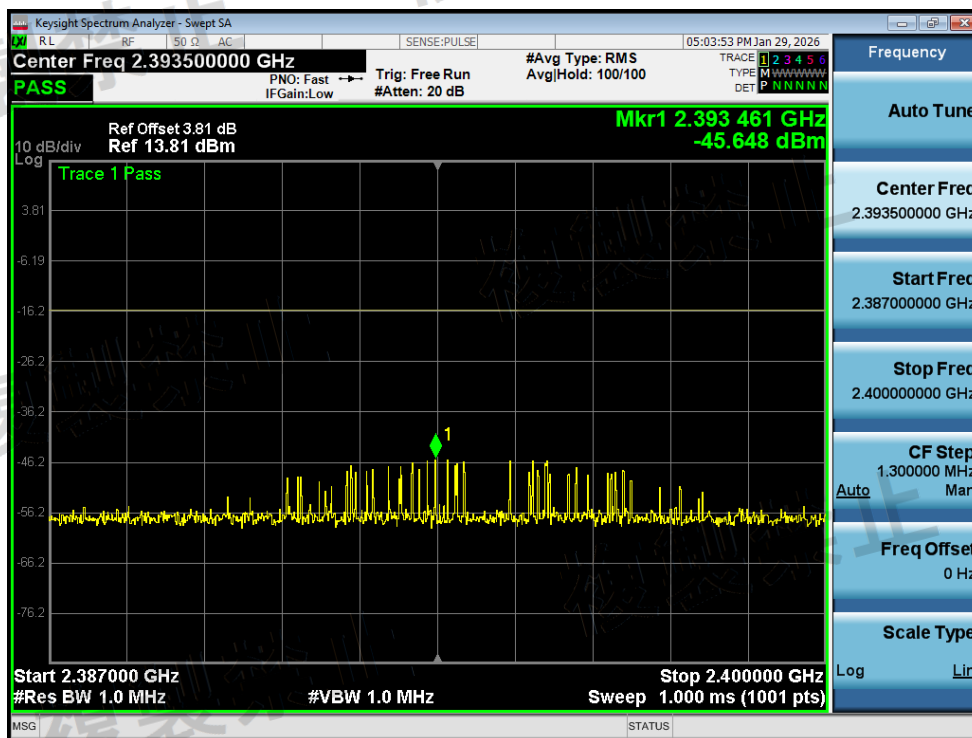
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2496.5MHz-13000MHz



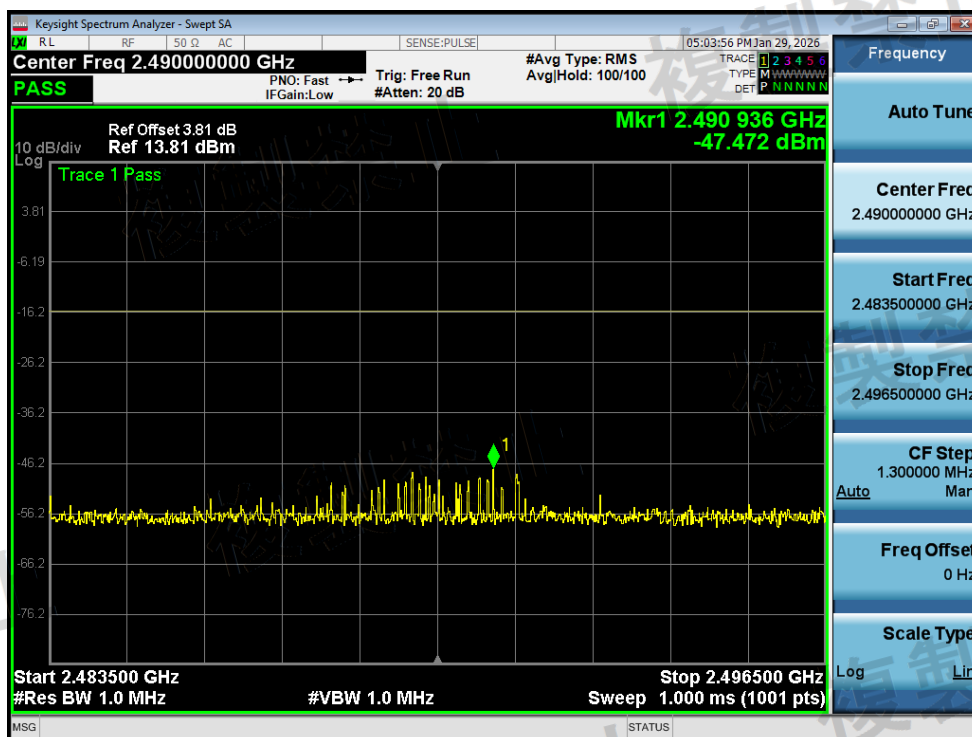
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 @ 30MHz-1000MHz



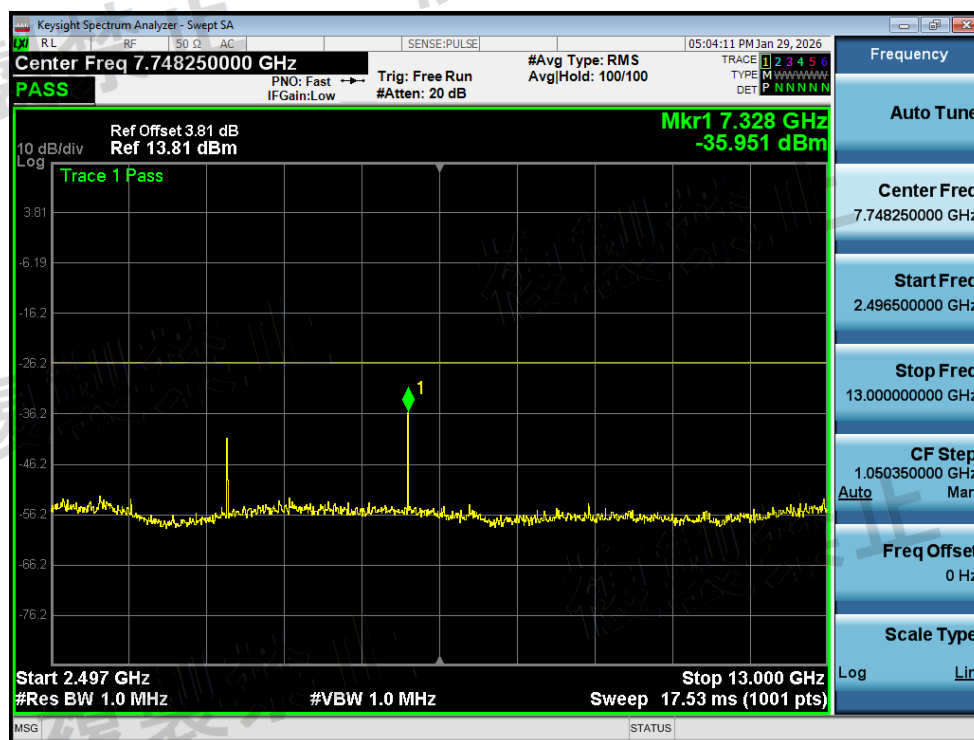
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 @ 1000MHz-2387MHz



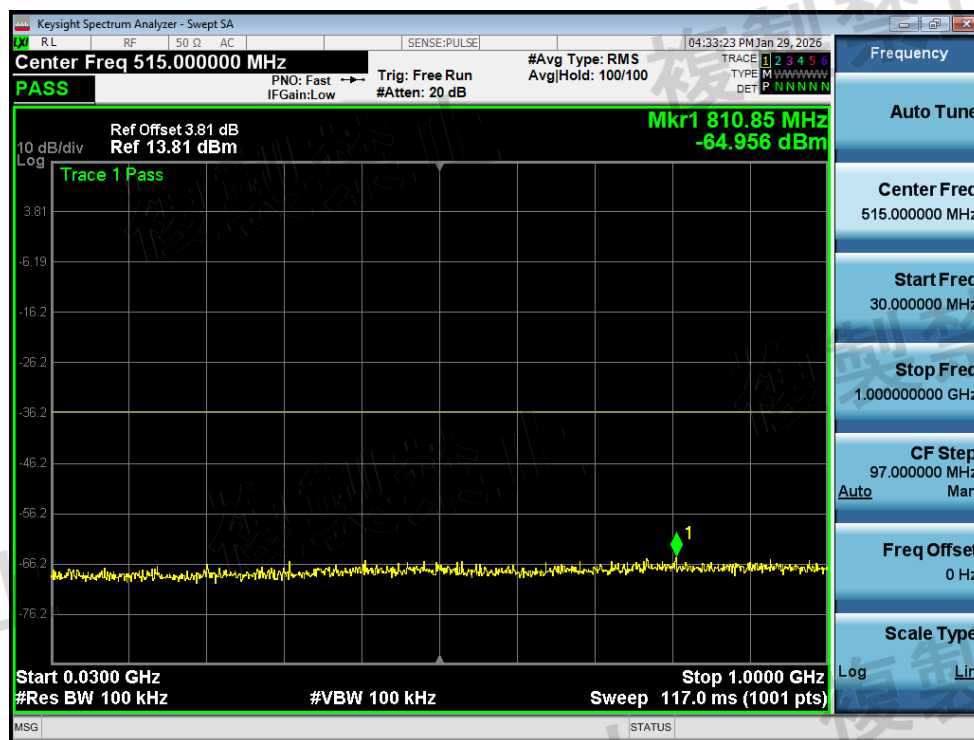
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 @ 2387MHz-2400MHz



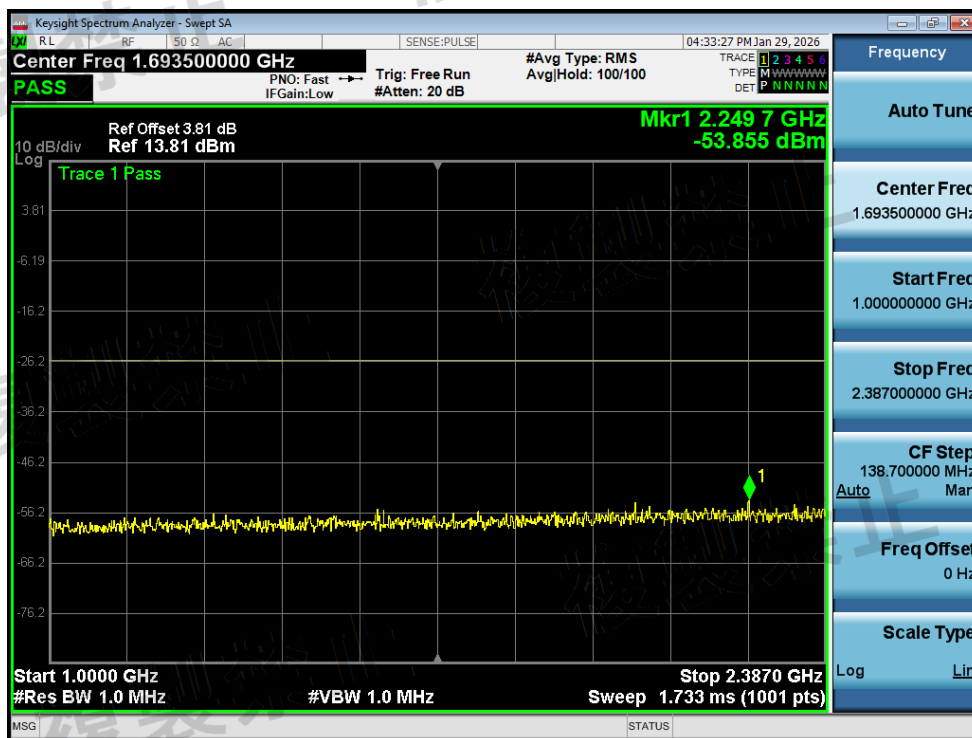
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



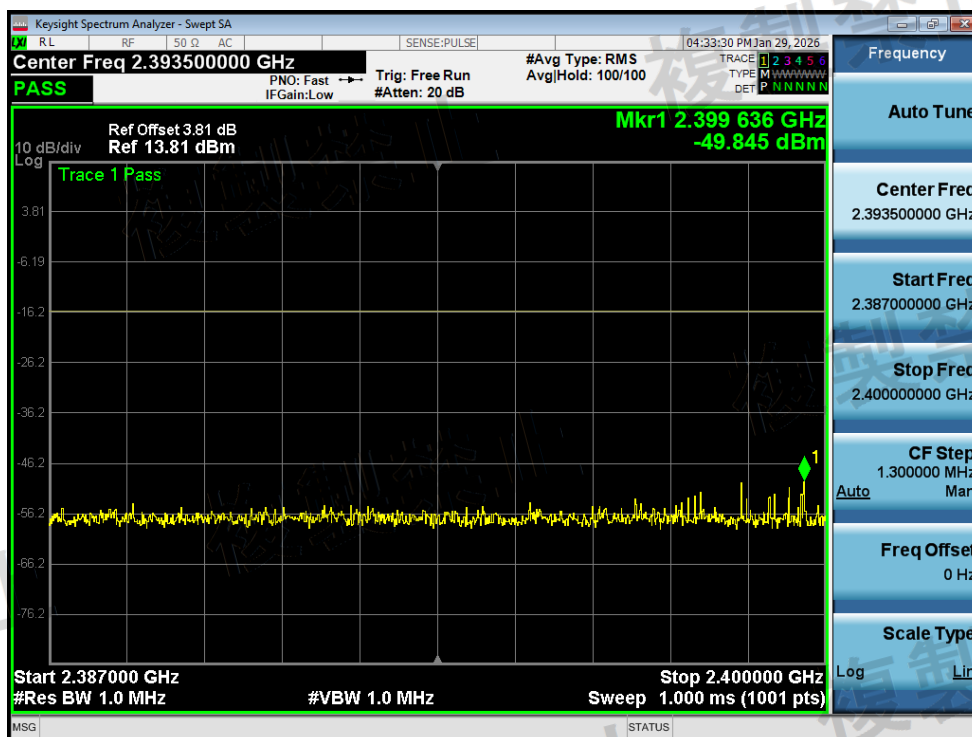
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 @ 2496.5MHz-13000MHz



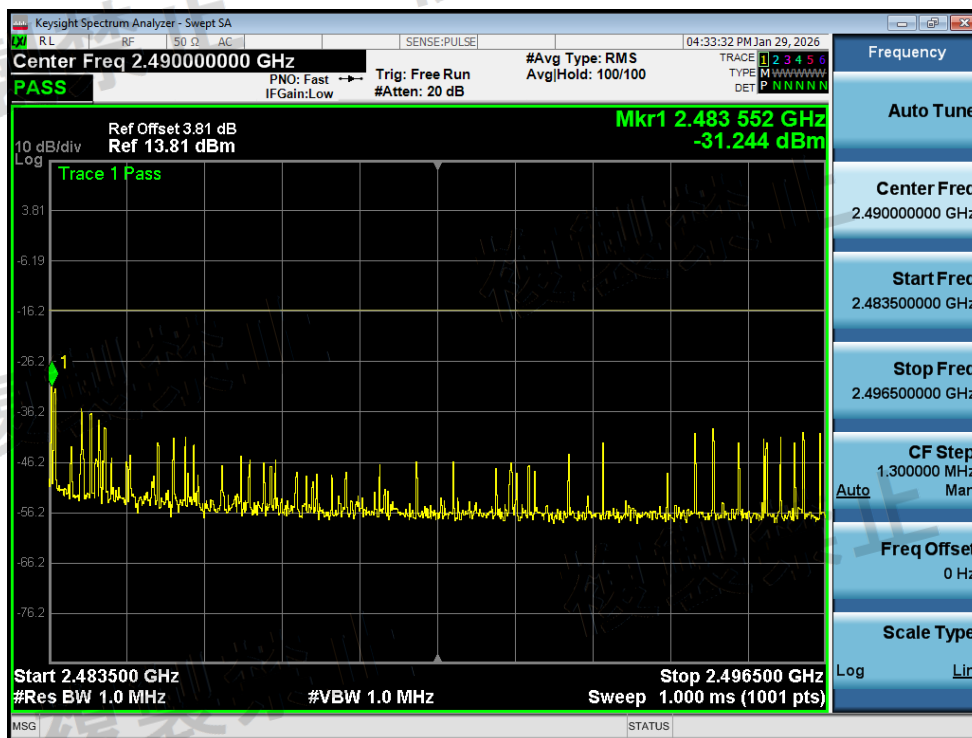
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



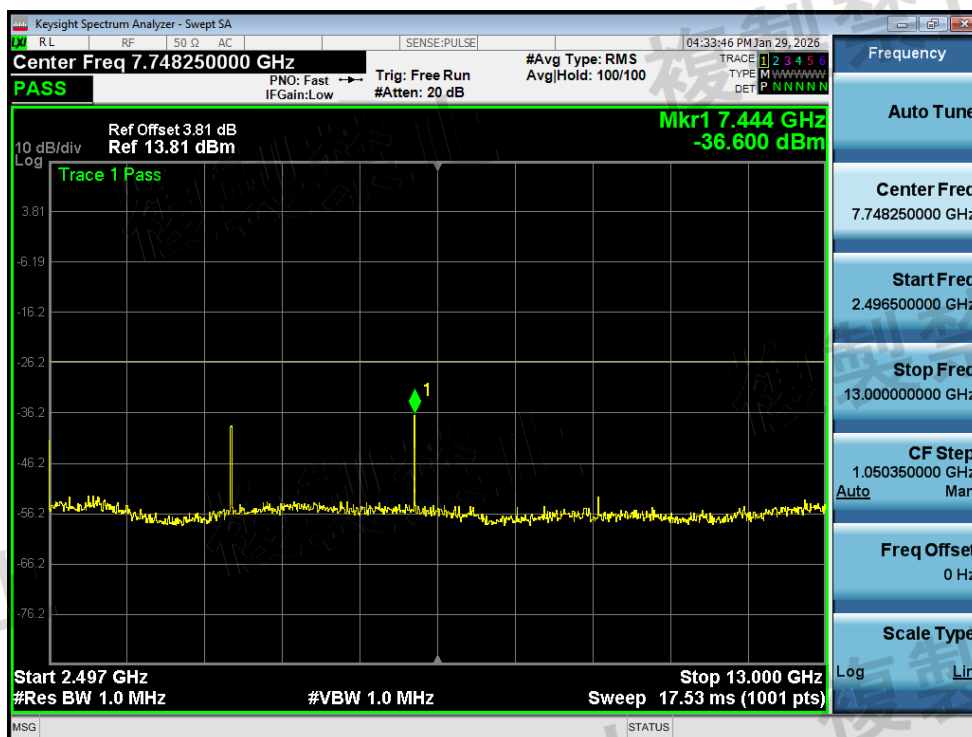
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 1000MHz-2387MHz



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



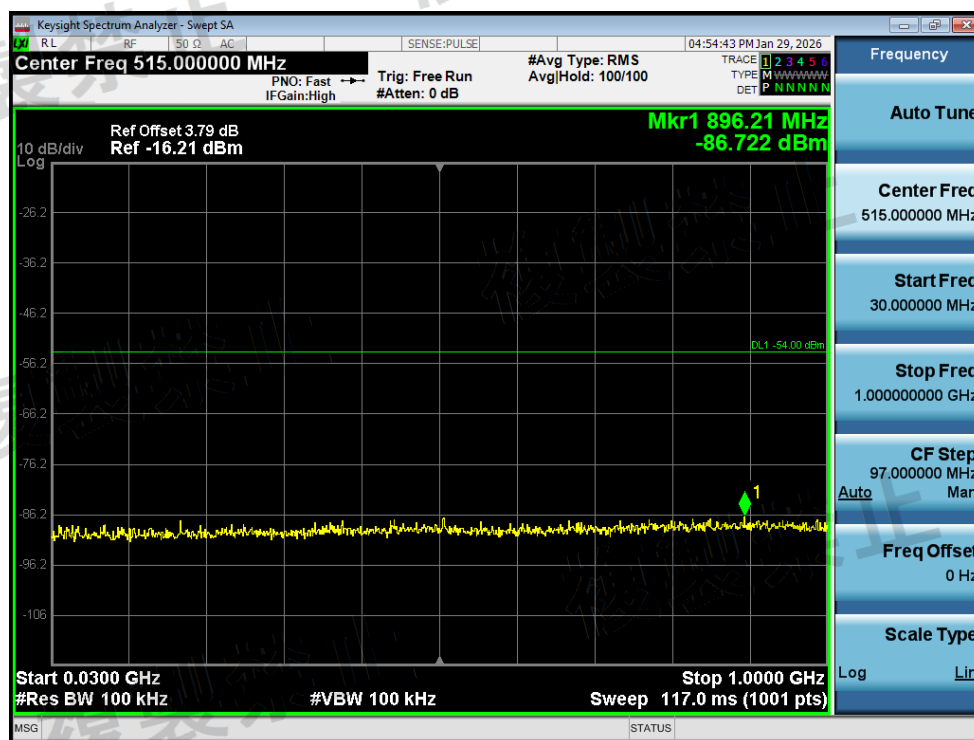
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



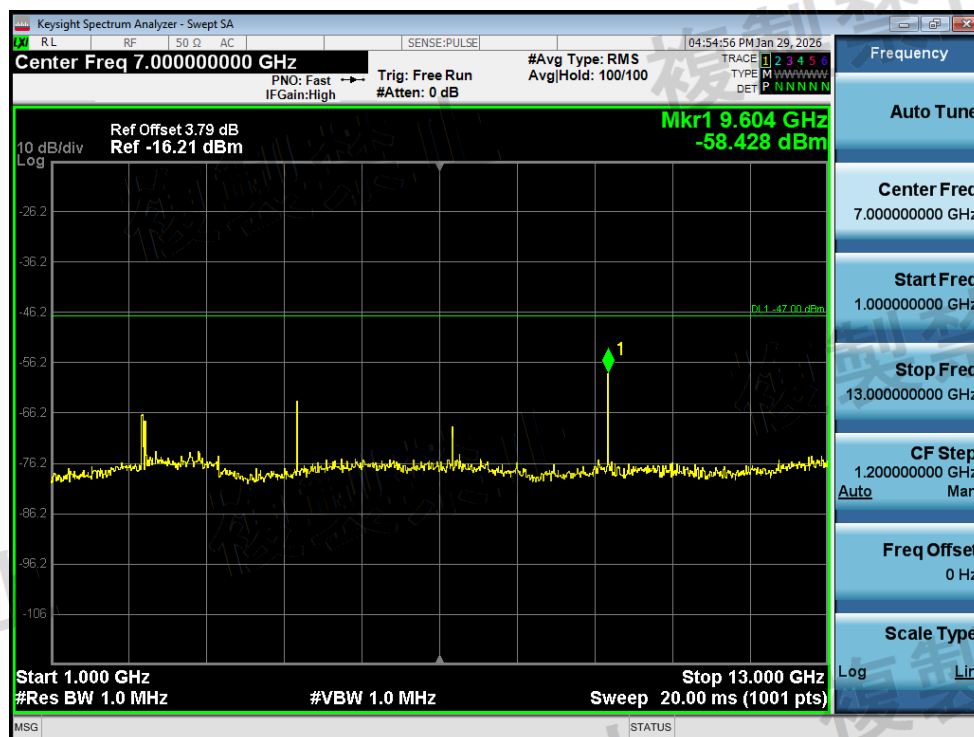
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2496.5MHz-13000MHz

6. Rx Spurious Emission

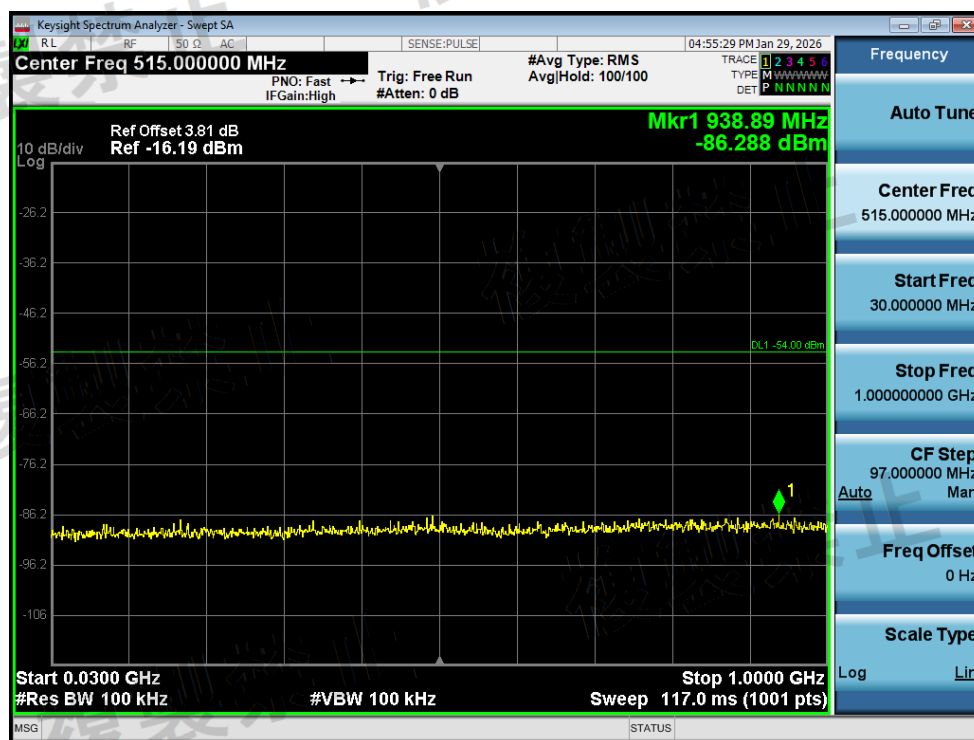
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	896.21	-86.72	0.0000	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	9604	-58.43	0.0014	20	Pass
NVNT	BLE 1M	2442	Ant1	30-1000	938.89	-86.29	0.000	4	Pass
NVNT	BLE 1M	2442	Ant1	1000-13000	9604	-58.57	0.001	20	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	868.08	-85.93	0.000	4	Pass
NVNT	BLE 1M	2480	Ant1	1000-13000	9604	-59.03	0.001	20	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	963.14	-86.27	0.0000	4	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	9604	-58.68	0.001	20	Pass
NVNT	BLE 2M	2442	Ant1	30-1000	921.43	-86.44	0.000	4	Pass
NVNT	BLE 2M	2442	Ant1	1000-13000	9604	-58.31	0.001	20	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	872.93	-86.01	0.000	4	Pass
NVNT	BLE 2M	2480	Ant1	1000-13000	9604	-59.18	0.0012	20	Pass



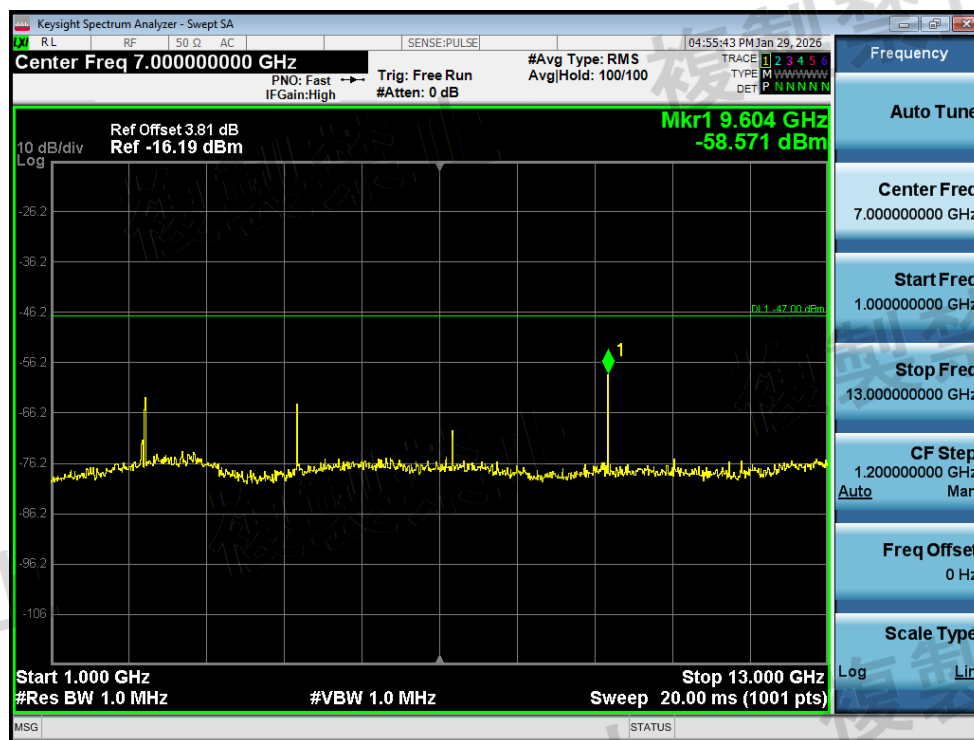
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



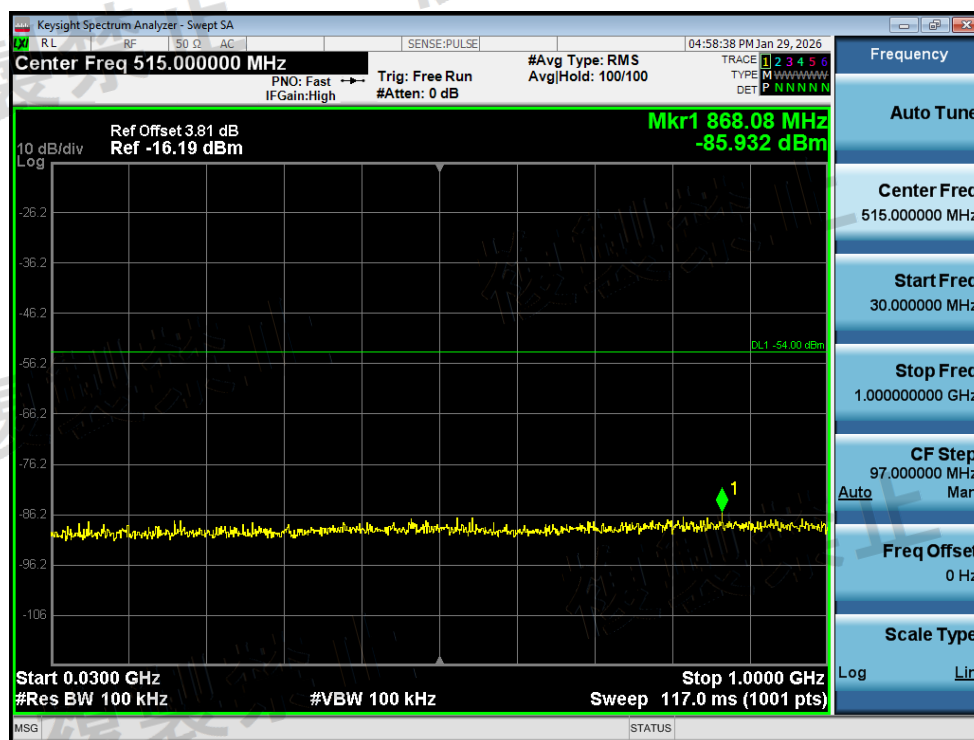
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz



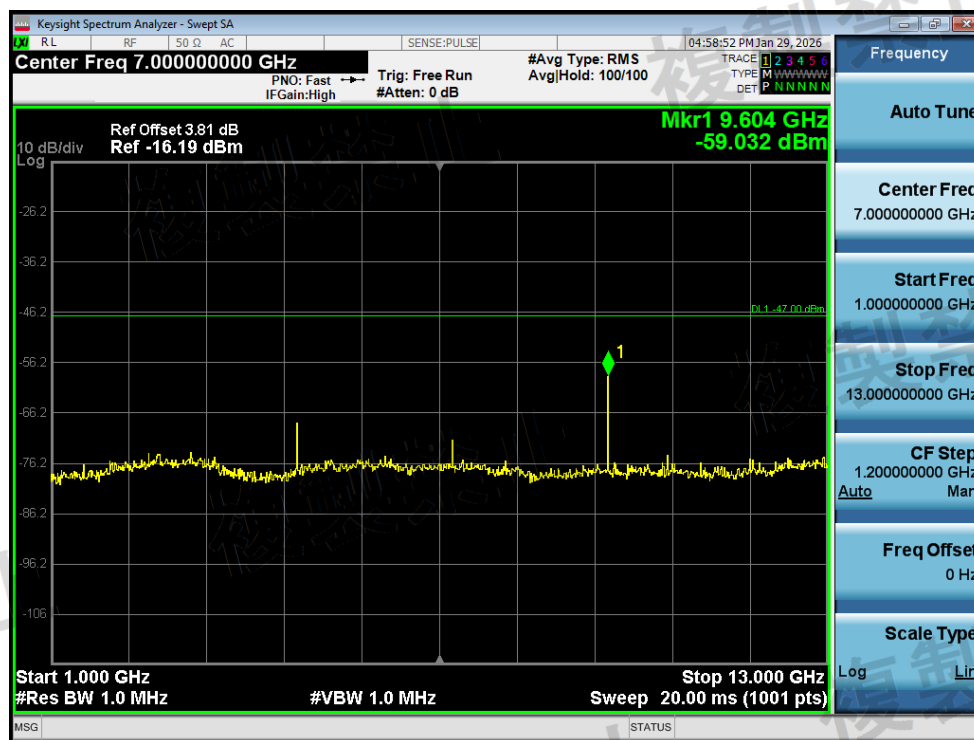
Rx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 30MHz-1000MHz



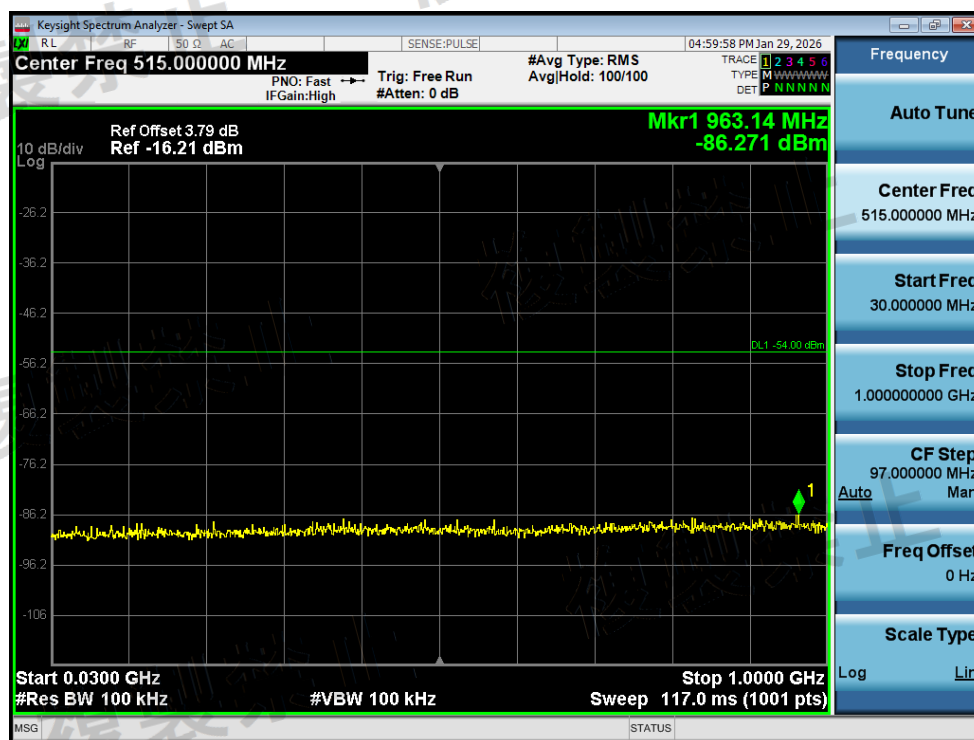
Rx. Spurious NVNT BLE 1M 2442MHz Ant1 @ 1000MHz-13000MHz



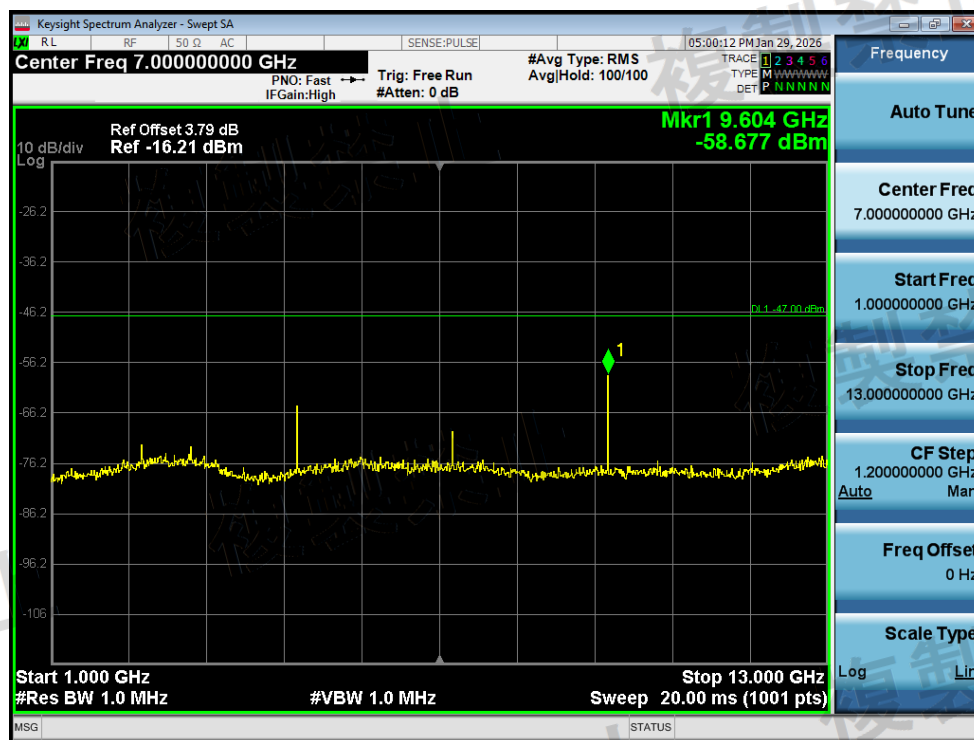
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



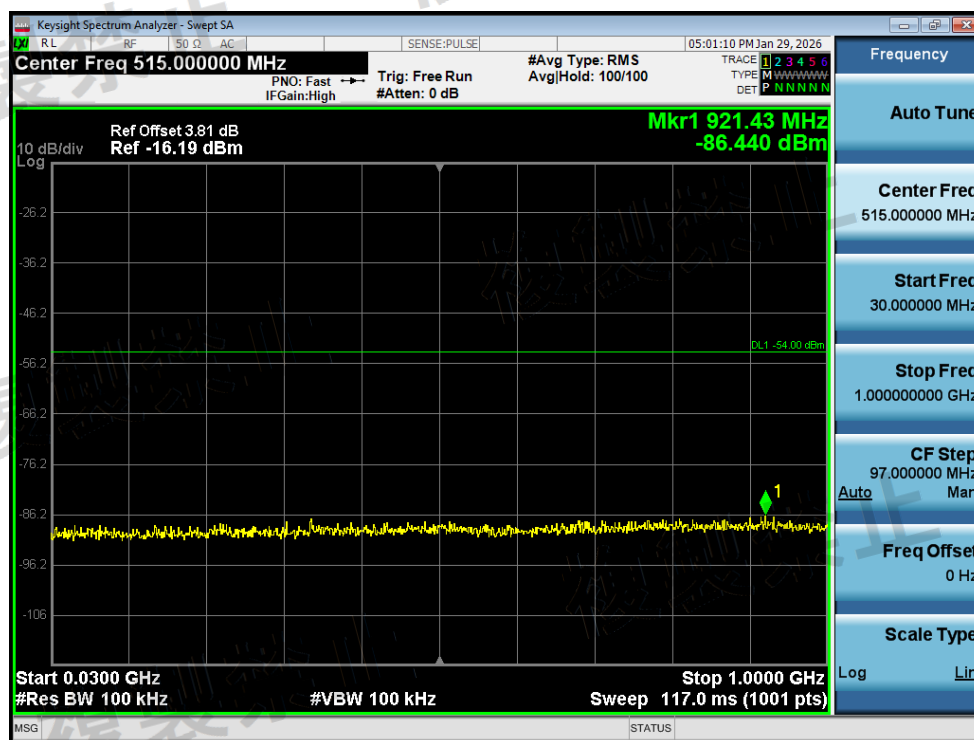
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-13000MHz



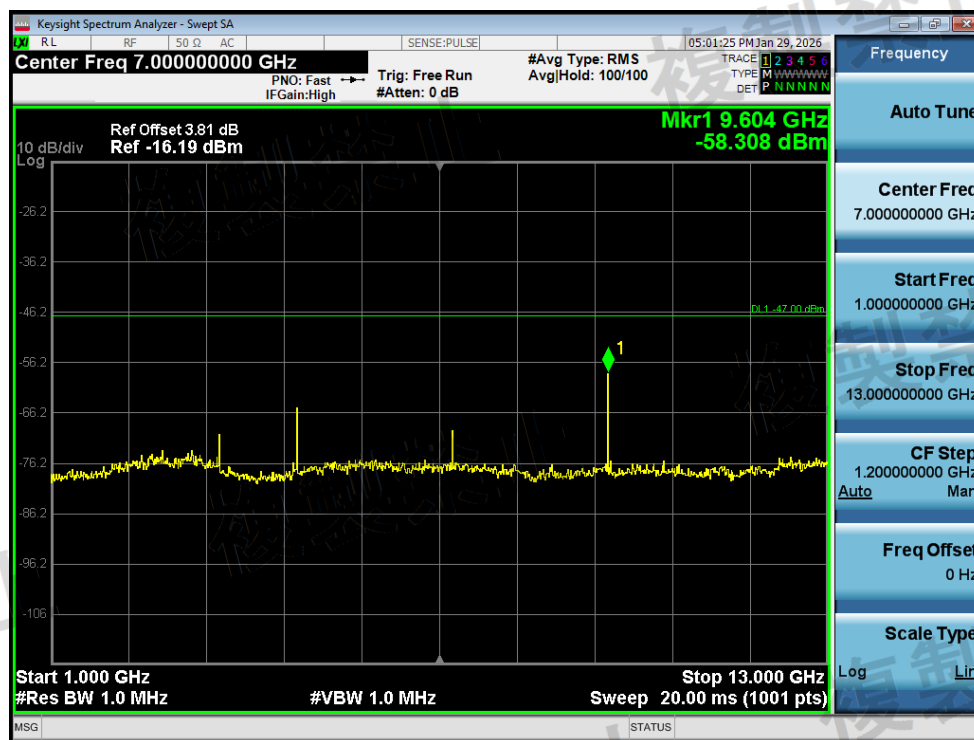
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



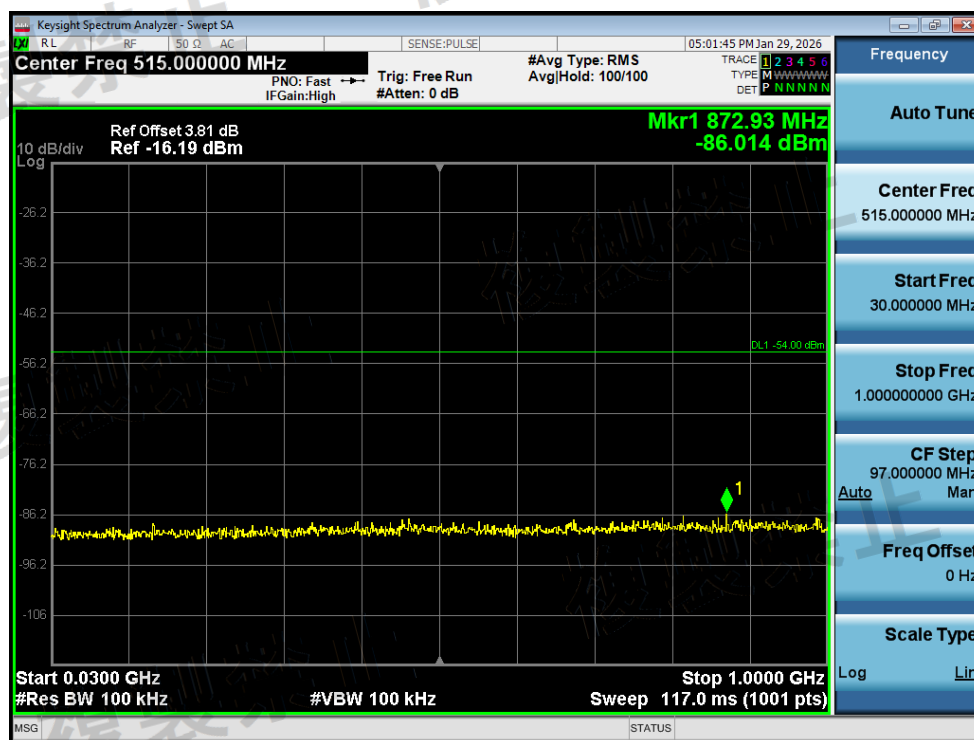
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-13000MHz



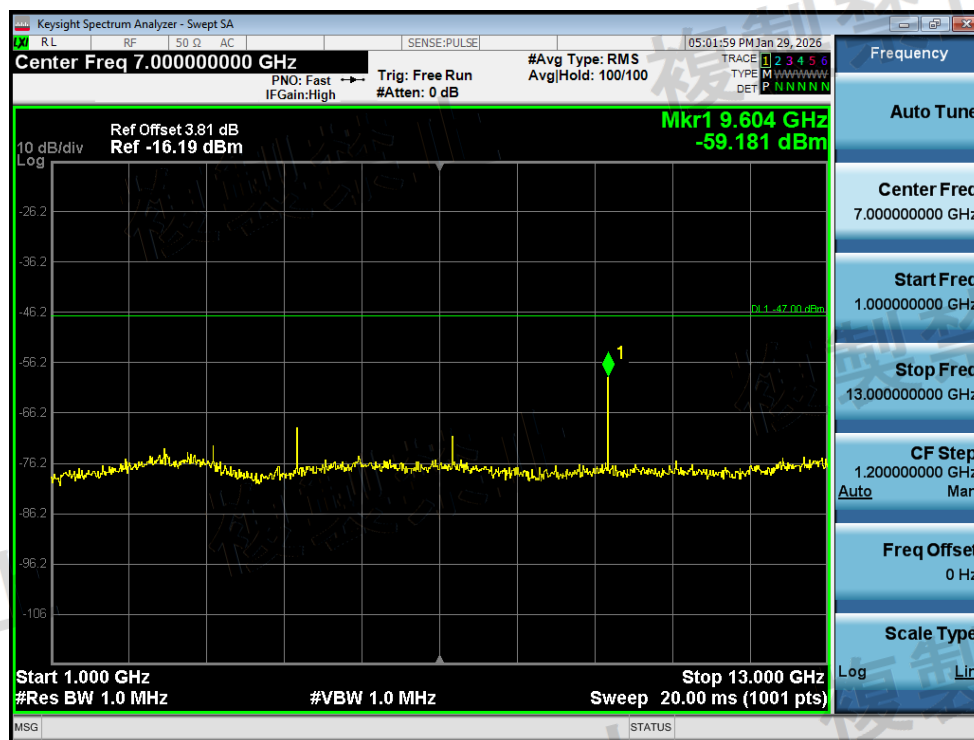
Rx. Spurious NVNT BLE 2M 2442MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT BLE 2M 2442MHz Ant1 @ 1000MHz-13000MHz



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



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