



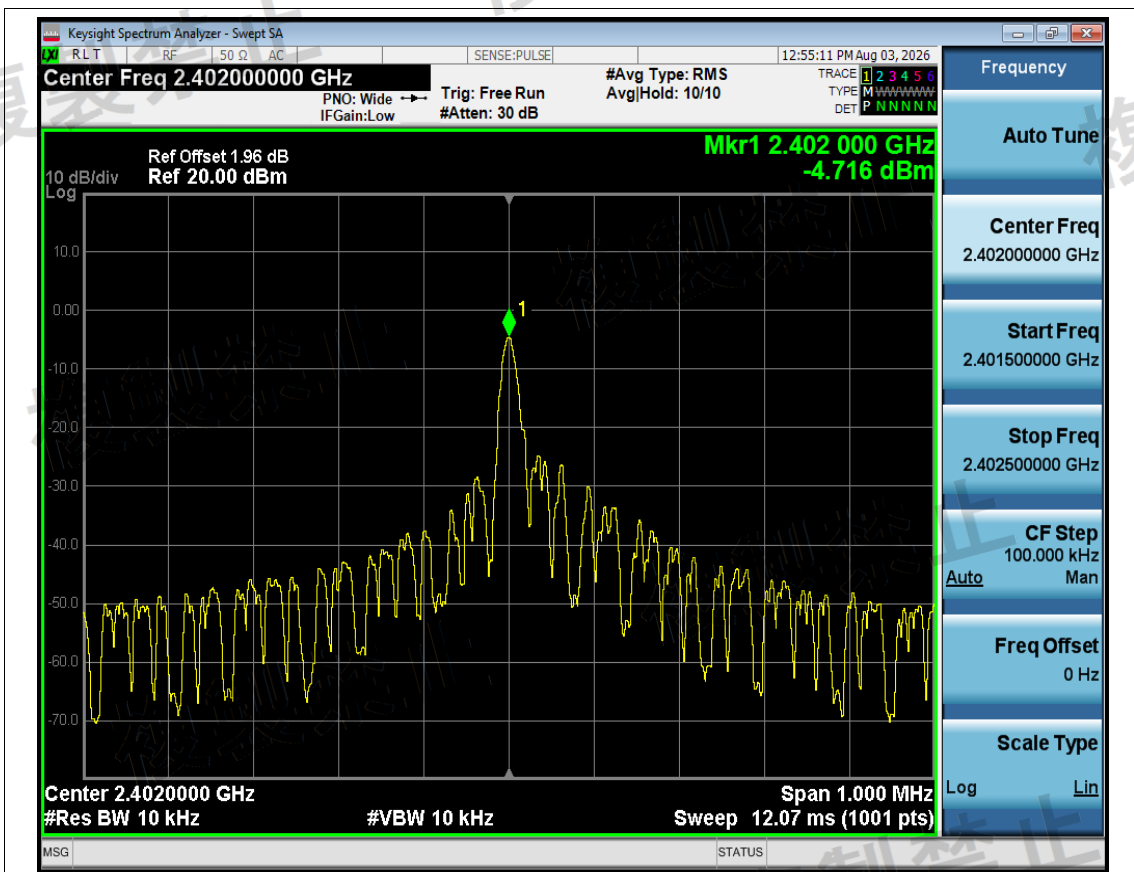
RF Test Data

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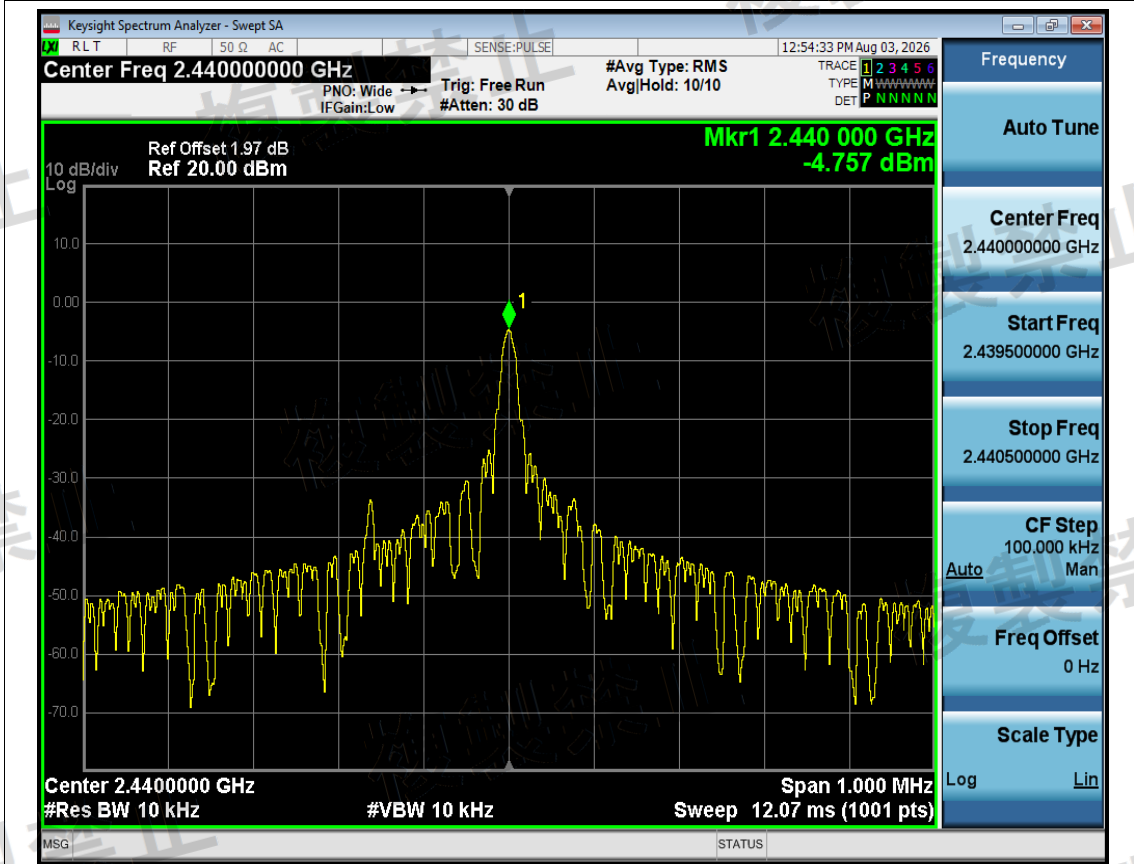


Frequency Error

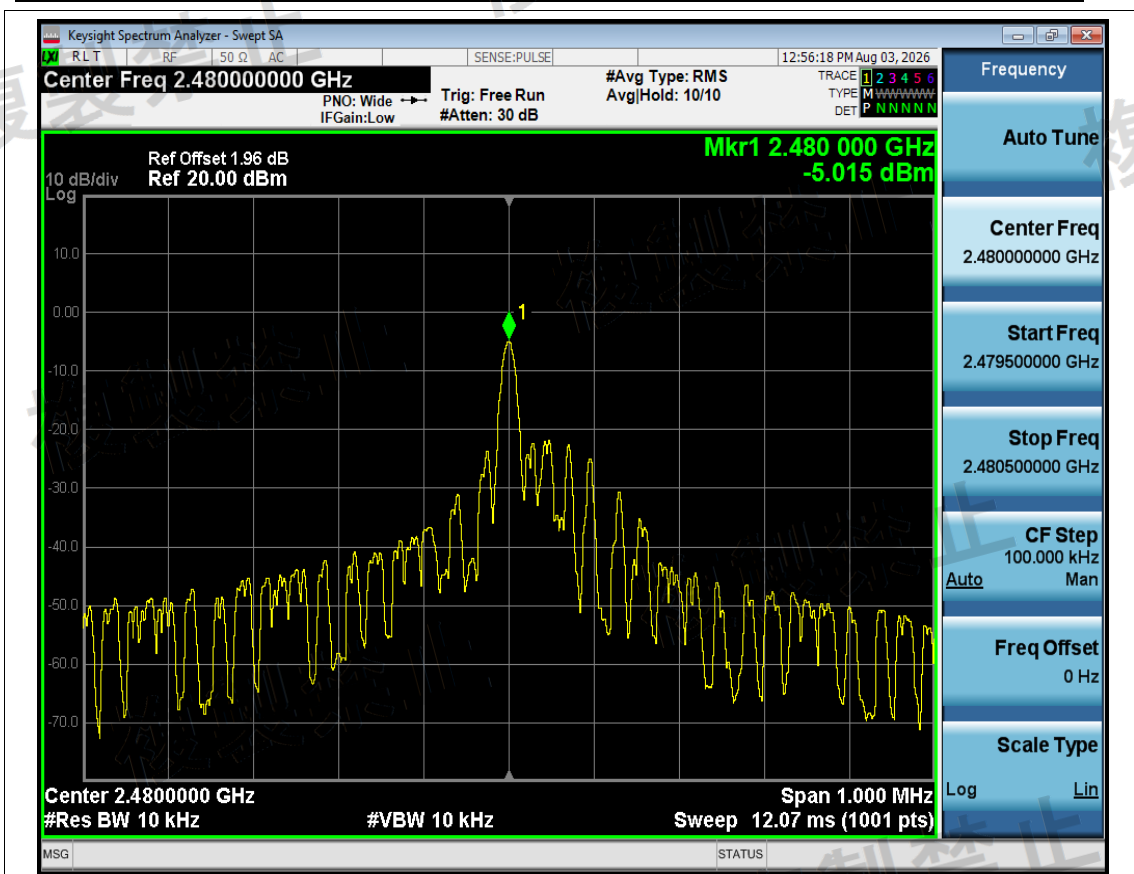
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	BLE 1M	2402	Ant1	2402	0	0	50	Pass
NVNT	BLE 1M	2440	Ant1	2440	0	0	50	Pass
NVNT	BLE 1M	2480	Ant1	2480	0	0	50	Pass
NVNT	BLE 2M	2402	Ant1	2402	0	0	50	Pass
NVNT	BLE 2M	2440	Ant1	2440	0	0	50	Pass
NVNT	BLE 2M	2480	Ant1	2480	0	0	50	Pass



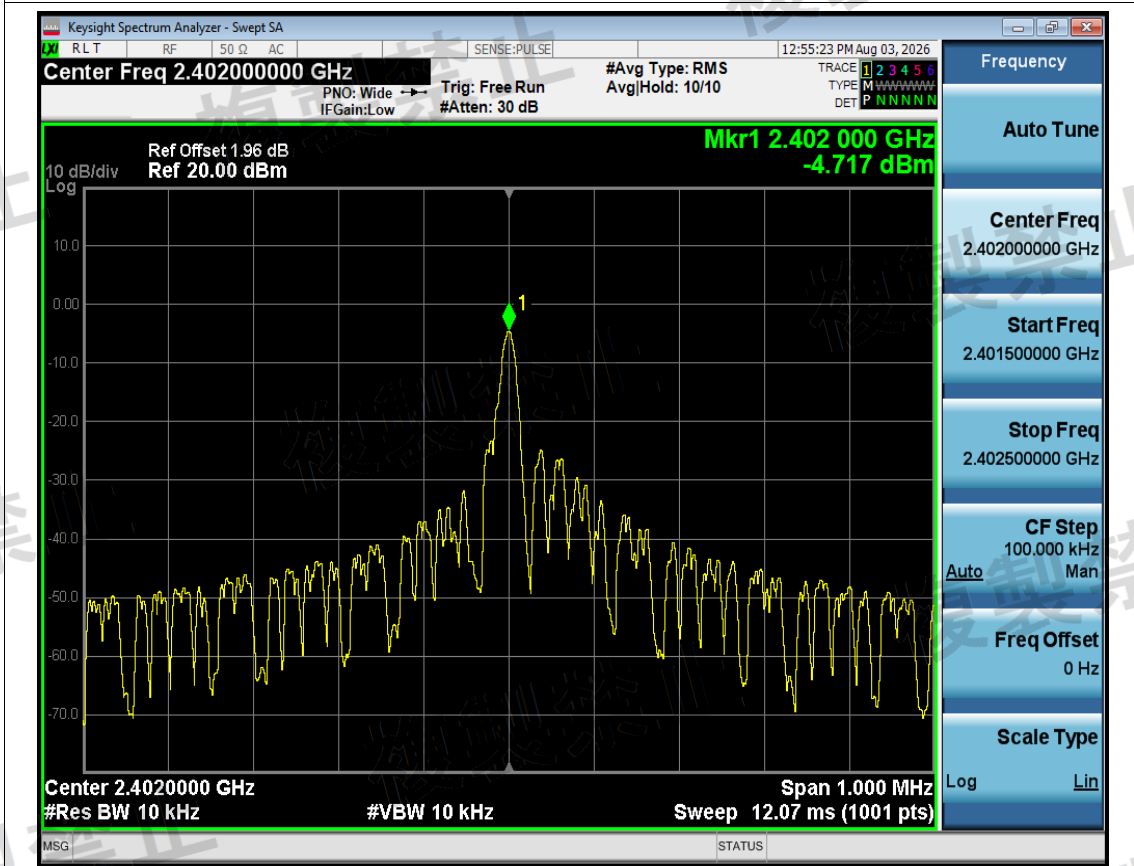
Freq. Error NVNT BLE 1M 2402MHz Ant1



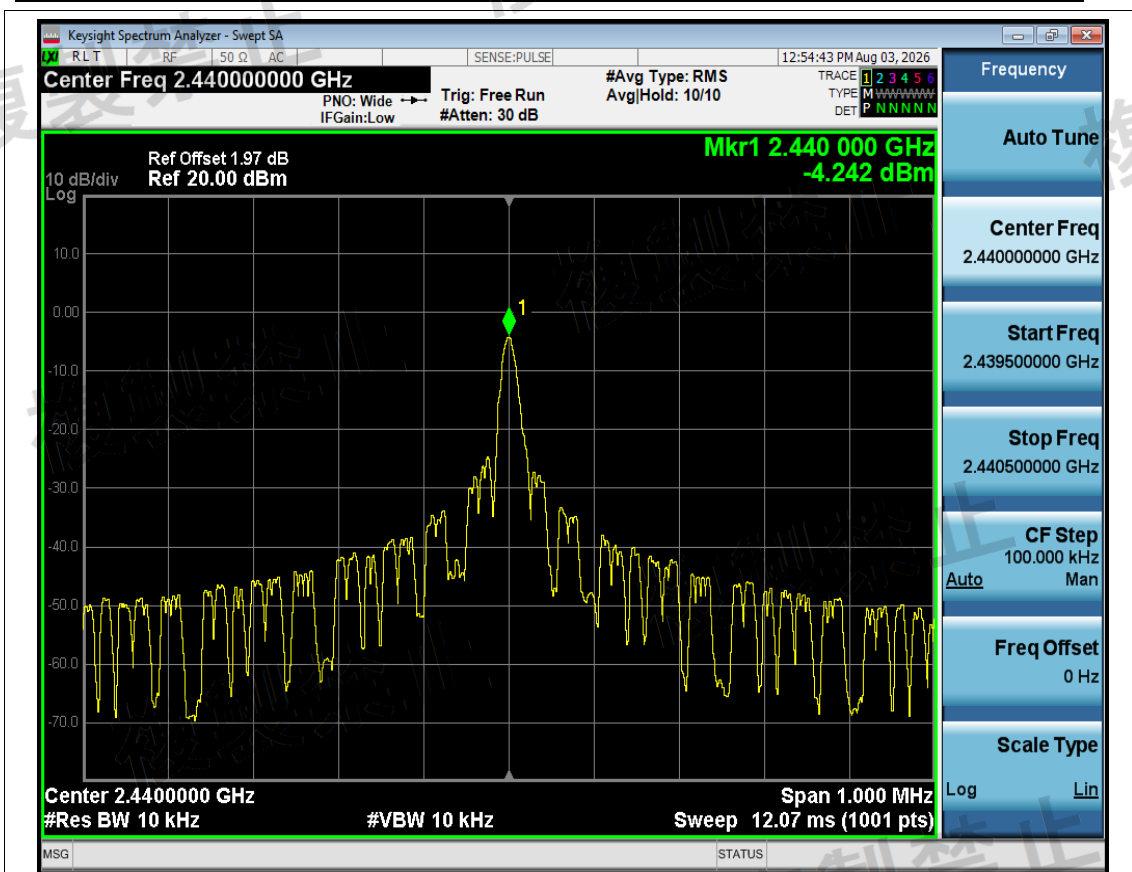
Freq. Error NVNT BLE 1M 2440MHz Ant1



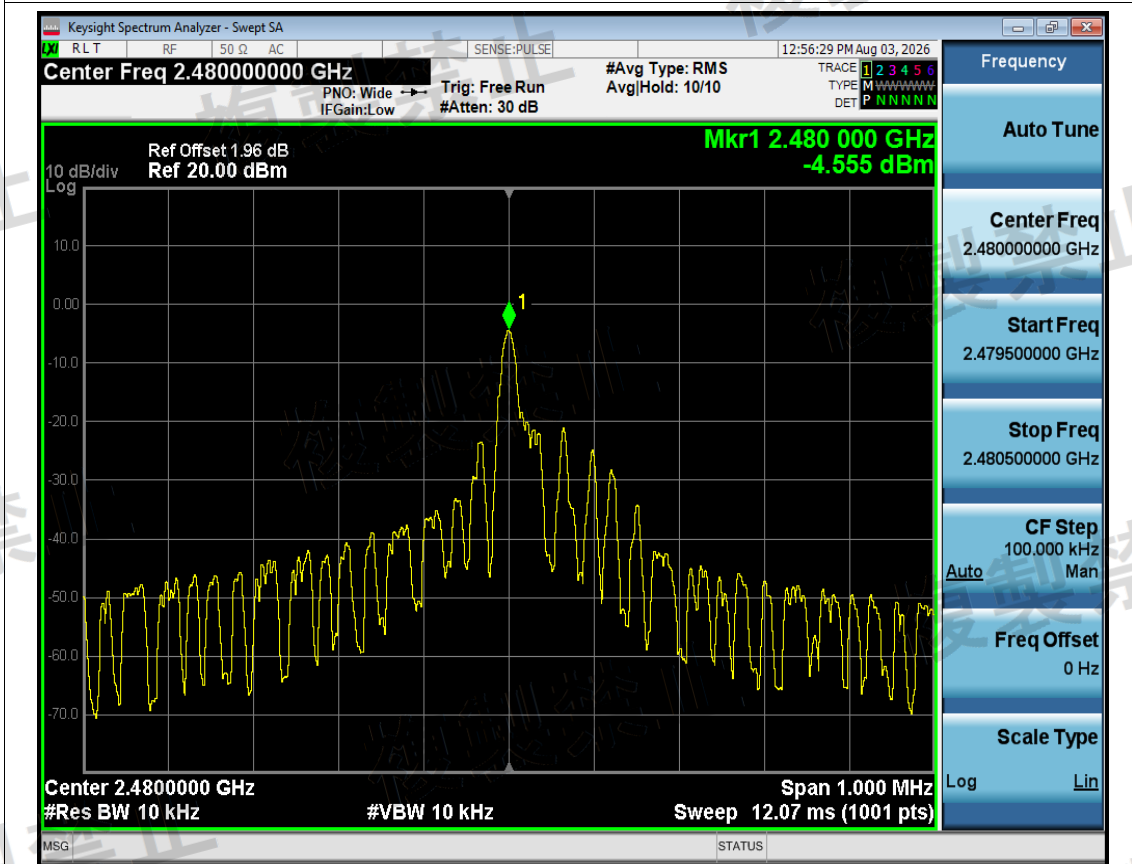
Freq. Error NVNT BLE 1M 2480MHz Ant1



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)	Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.61	0.548	10	1	-45.2	20	Pass
NVNT	BLE 1M	2440	Ant1	-0.65	0.861	10	1	-13.9	20	Pass
NVNT	BLE 1M	2480	Ant1	-1	0.794	10	1	-20.6	20	Pass
NVNT	BLE 2M	2402	Ant1	-2.69	0.538	10	1	-46.2	20	Pass
NVNT	BLE 2M	2440	Ant1	-0.76	0.839	10	1	-16.1	20	Pass
NVNT	BLE 2M	2480	Ant1	-1.53	0.703	10	1	-29.7	20	Pass



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	0.548	-2.61	3.27	0.66	12.14	Pass
NVNT	BLE 1M	2440	Ant1	0.861	-0.65	3.27	2.62	12.14	Pass
NVNT	BLE 1M	2480	Ant1	0.794	-1	3.27	2.27	12.14	Pass
NVNT	BLE 2M	2402	Ant1	0.538	-2.69	3.27	0.58	12.14	Pass
NVNT	BLE 2M	2440	Ant1	0.839	-0.76	3.27	2.51	12.14	Pass
NVNT	BLE 2M	2480	Ant1	0.703	-1.53	3.27	1.74	12.14	Pass

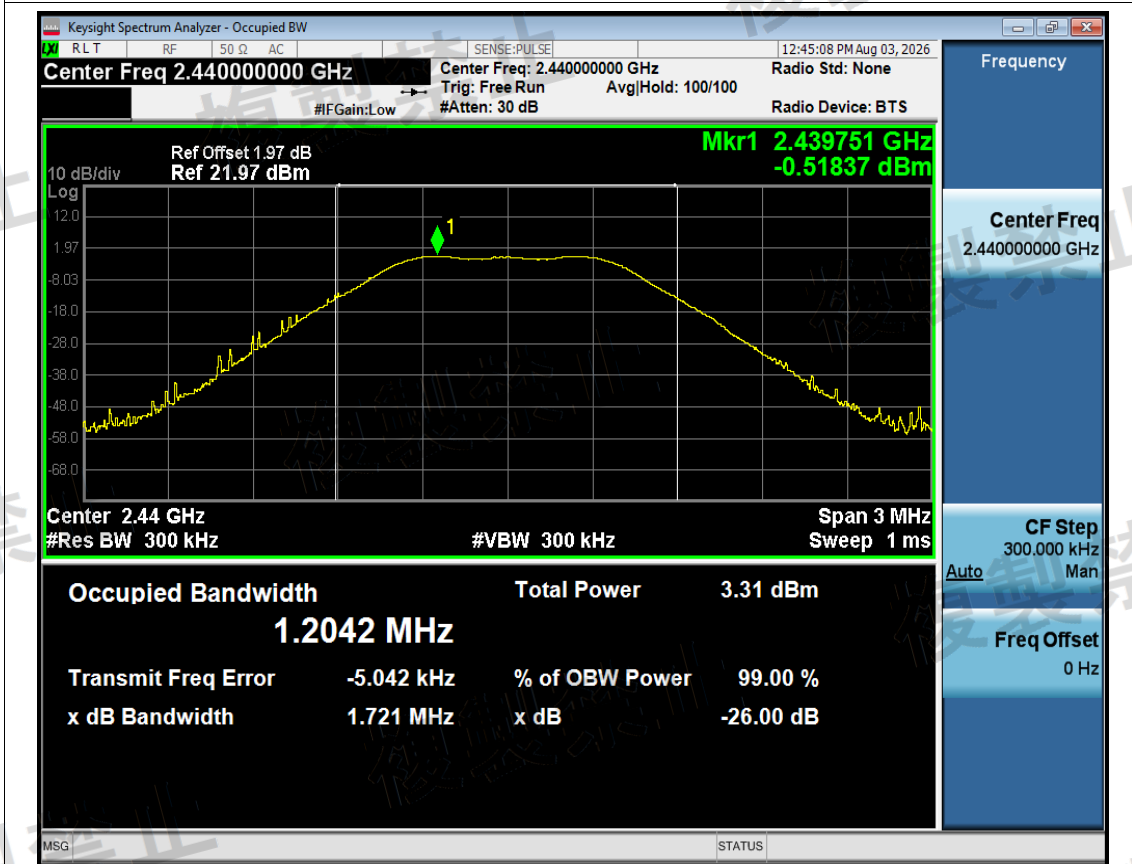


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1.2012	N/A	26	Pass
NVNT	BLE 1M	2440	Ant1	1.2042	N/A	26	Pass
NVNT	BLE 1M	2480	Ant1	1.2027	N/A	26	Pass
NVNT	BLE 2M	2402	Ant1	2.1051	N/A	26	Pass
NVNT	BLE 2M	2440	Ant1	2.1079	N/A	26	Pass
NVNT	BLE 2M	2480	Ant1	2.1182	N/A	26	Pass



OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



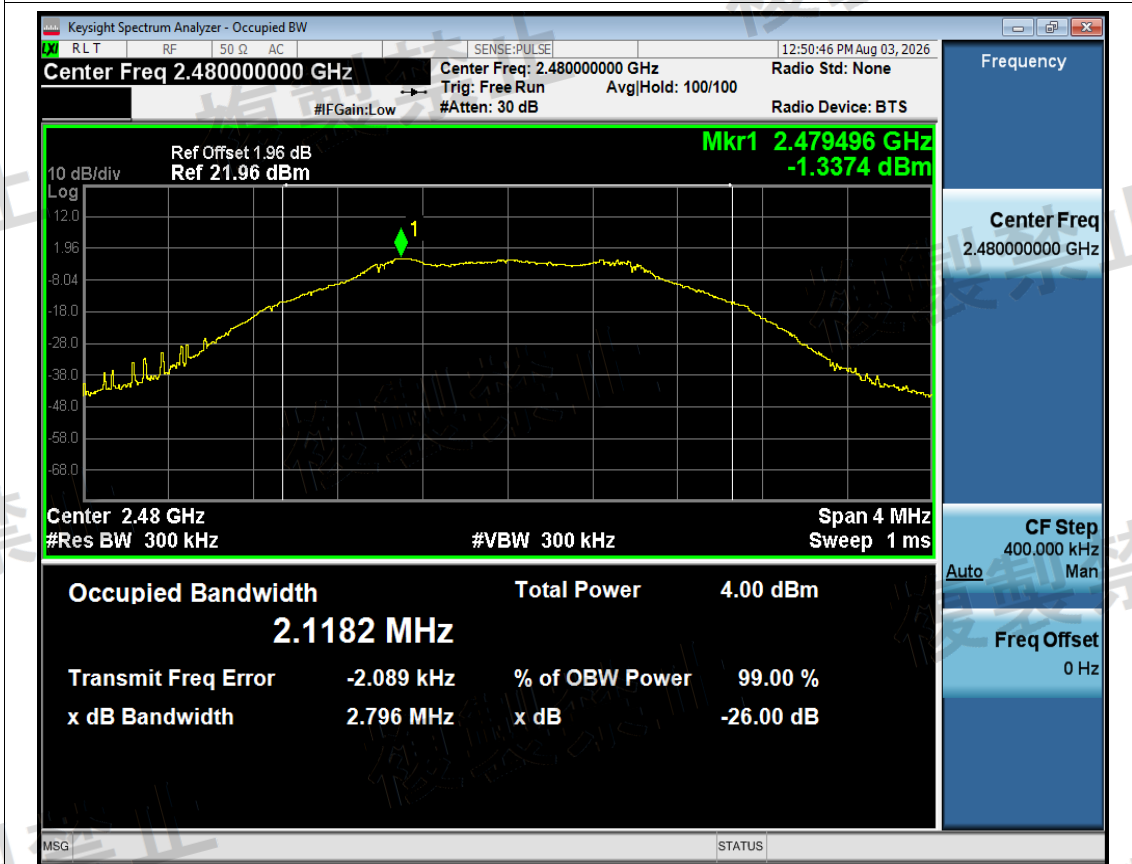
OBW NVNT BLE 1M 2480MHz Ant1



OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2440MHz Ant1



OBW NVNT BLE 2M 2480MHz Ant1



Spreading Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	0.81918
NVNT	BLE 1M	2440	Ant1	0.81952
NVNT	BLE 1M	2480	Ant1	0.81942
NVNT	BLE 2M	2402	Ant1	1.3648
NVNT	BLE 2M	2440	Ant1	1.361
NVNT	BLE 2M	2480	Ant1	1.3684



Spreading Bandwidth NVNT BLE 1M 2402MHz Ant1



Spreading Bandwidth NVNT BLE 1M 2440MHz Ant1



Spreading Bandwidth NVNT BLE 1M 2480MHz Ant1



Spreading Bandwidth NVNT BLE 2M 2402MHz Ant1



Spreading Bandwidth NVNT BLE 2M 2440MHz Ant1



Spreading Bandwidth NVNT BLE 2M 2480MHz Ant1



Tx Spurious Emission

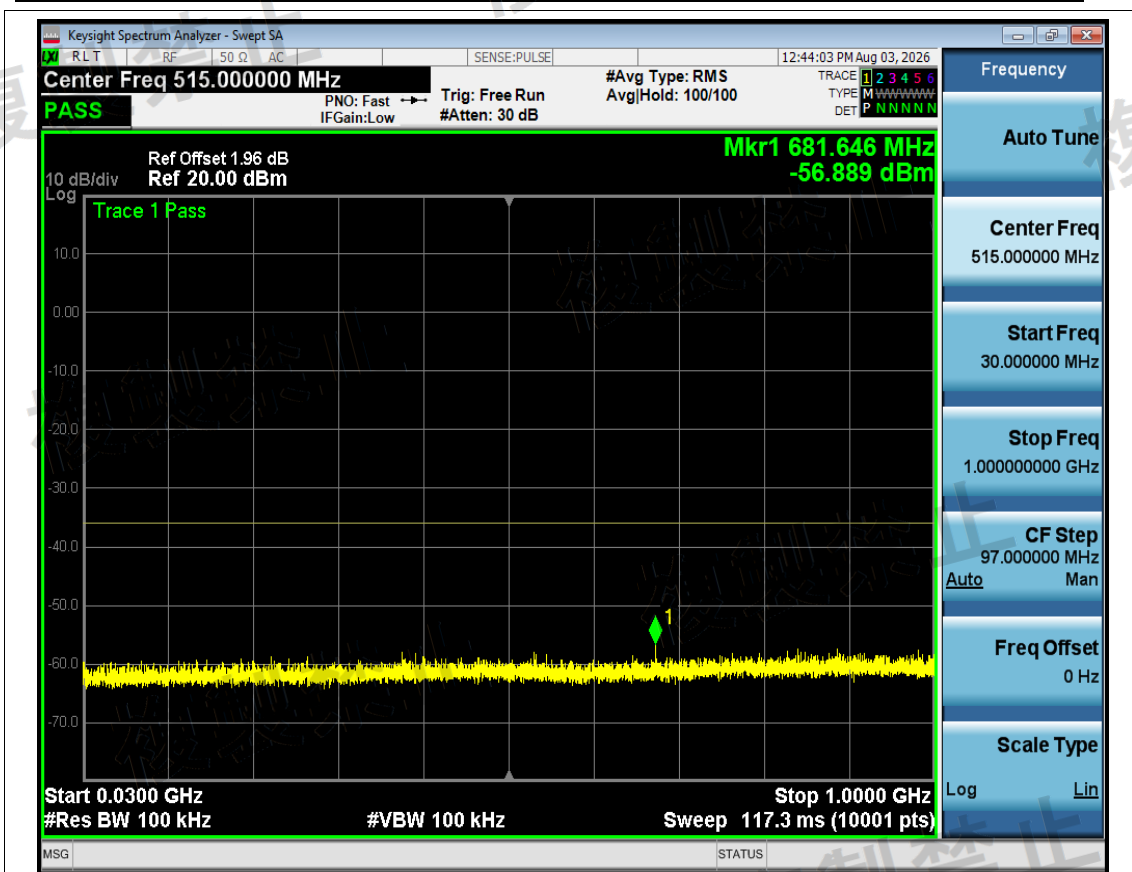
Condi tion	Mo de	Frequ ency (MHz)	Ante nna	Range (MHz)	Emiss ion Frequ ency (MHz)	Ma x Pea k Val ue (dB m)	Ma x RM S Val ue (dB m)	Max Peak Value (uW/ MHz)	Max RMS Value (uW/ MHz)	Limit Start(uW /MHz)	Limit Stop (uW/ MHz)	Ver dict
NVNT	BL E 1M	2402	Ant1	30-1000	681.65	-56. 88	NA	0.002 1	NA	0.25	0.25	Pas s
NVNT	BL E 1M	2402	Ant1	1000-23 87	2275.7 6	-47. 24	NA	0.018 9	NA	2.5	2.5	Pas s
NVNT	BL E 1M	2402	Ant1	2387-24 00	2399.9 9	-38. 10	NA	0.154 9	NA	25	25	Pas s
NVNT	BL E 1M	2402	Ant1	2483.5-2 496.5	2492.5 0	-46. 55	NA	0.022 1	NA	25	25	Pas s
NVNT	BL E 1M	2402	Ant1	2496.5-1 3000	5407.0 2	-44. 44	NA	0.036	NA	2.5	2.5	Pas s
NVNT	BL E 1M	2440	Ant1	30-1000	864.59	-57. 29	NA	0.001 9	NA	0.25	0.25	Pas s
NVNT	BL E 1M	2440	Ant1	1000-23 87	2381.3 1	-47. 05	NA	0.019 7	NA	2.5	2.5	Pas s
NVNT	BL E 1M	2440	Ant1	2387-24 00	2390.4 9	-45. 84	NA	0.026 1	NA	25	25	Pas s
NVNT	BL E 1M	2440	Ant1	2483.5-2 496.5	2493.0 0	-46. 33	NA	0.023 3	NA	25	25	Pas s
NVNT	BL E 1M	2440	Ant1	2496.5-1 3000	5085.6 1	-44. 35	NA	0.036 7	NA	2.5	2.5	Pas s
NVNT	BL E 1M	2480	Ant1	30-1000	926.18	-56. 25	NA	0.002 4	NA	0.25	0.25	Pas s
NVNT	BL	2480	Ant1	1000-23	2384.2	-47.	NA	0.019	NA	2.5	2.5	Pas



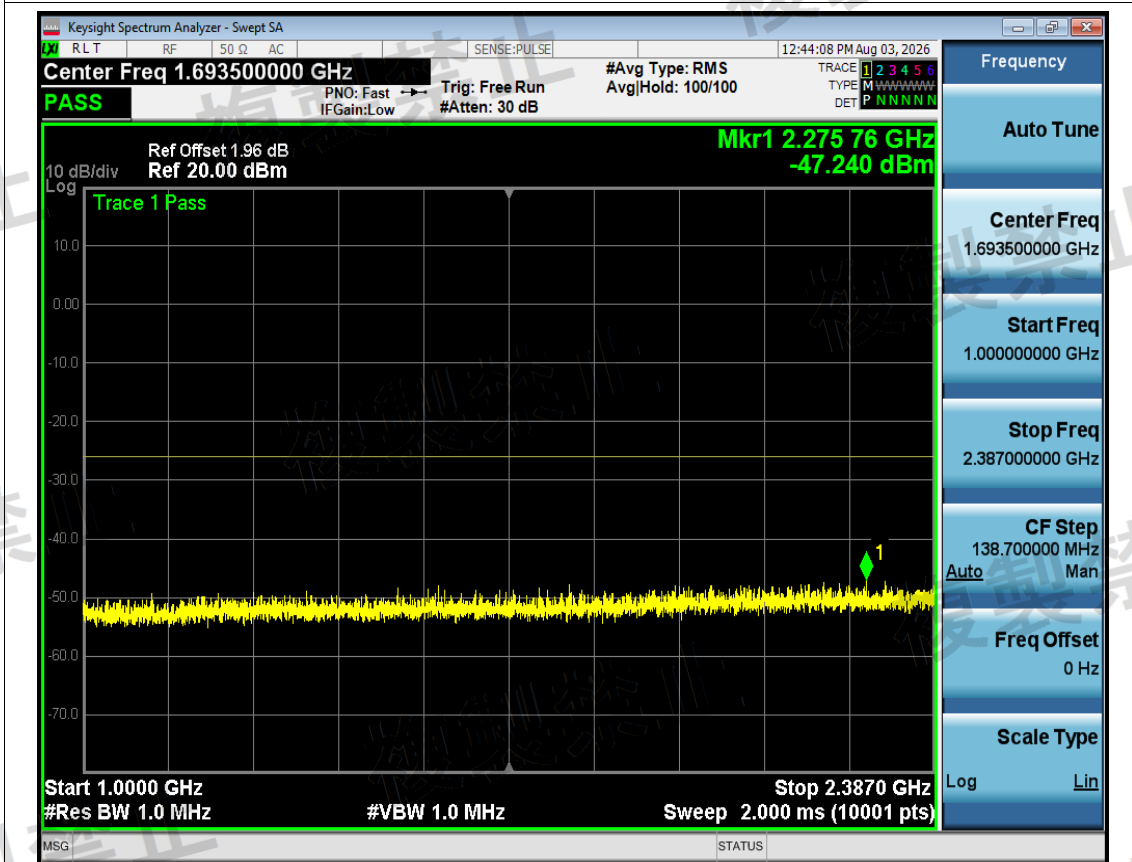
	E 1M			87	3	12		4				s
NVNT	BL E 1M	2480	Ant1	2387-24 00	2391.0 3	-46. 45	NA	0.022 6	NA	25	25	Pas s
NVNT	BL E 1M	2480	Ant1	2483.5-2 496.5	2494.5 5	-46. 60	NA	0.021 9	NA	25	25	Pas s
NVNT	BL E 1M	2480	Ant1	2496.5-1 3000	5502.6 0	-45. 02	NA	0.031 5	NA	2.5	2.5	Pas s
NVNT	BL E 2M	2402	Ant1	30-1000	918.13	-56. 68	NA	0.002 1	NA	0.25	0.25	Pas s
NVNT	BL E 2M	2402	Ant1	1000-23 87	2238.3 1	-46. 25	NA	0.023 7	NA	2.5	2.5	Pas s
NVNT	BL E 2M	2402	Ant1	2387-24 00	2399.7 9	-27. 51	NA	1.774 2	NA	25	25	Pas s
NVNT	BL E 2M	2402	Ant1	2483.5-2 496.5	2496.0 8	-46. 62	NA	0.021 8	NA	25	25	Pas s
NVNT	BL E 2M	2402	Ant1	2496.5-1 3000	5880.7 3	-44. 88	NA	0.032 5	NA	2.5	2.5	Pas s
NVNT	BL E 2M	2440	Ant1	30-1000	740.43	-56. 90	NA	0.002	NA	0.25	0.25	Pas s
NVNT	BL E 2M	2440	Ant1	1000-23 87	2238.8 7	-47. 33	NA	0.018 5	NA	2.5	2.5	Pas s
NVNT	BL E 2M	2440	Ant1	2387-24 00	2395.8 8	-46. 48	NA	0.022 5	NA	25	25	Pas s
NVNT	BL E 2M	2440	Ant1	2483.5-2 496.5	2491.3 9	-46. 24	NA	0.023 8	NA	25	25	Pas s
NVNT	BL E 2M	2440	Ant1	2496.5-1 3000	5018.3 9	-45. 18	NA	0.030 3	NA	2.5	2.5	Pas s
NVNT	BL E 2M	2480	Ant1	30-1000	891.84	-56. 89	NA	0.002	NA	0.25	0.25	Pas s



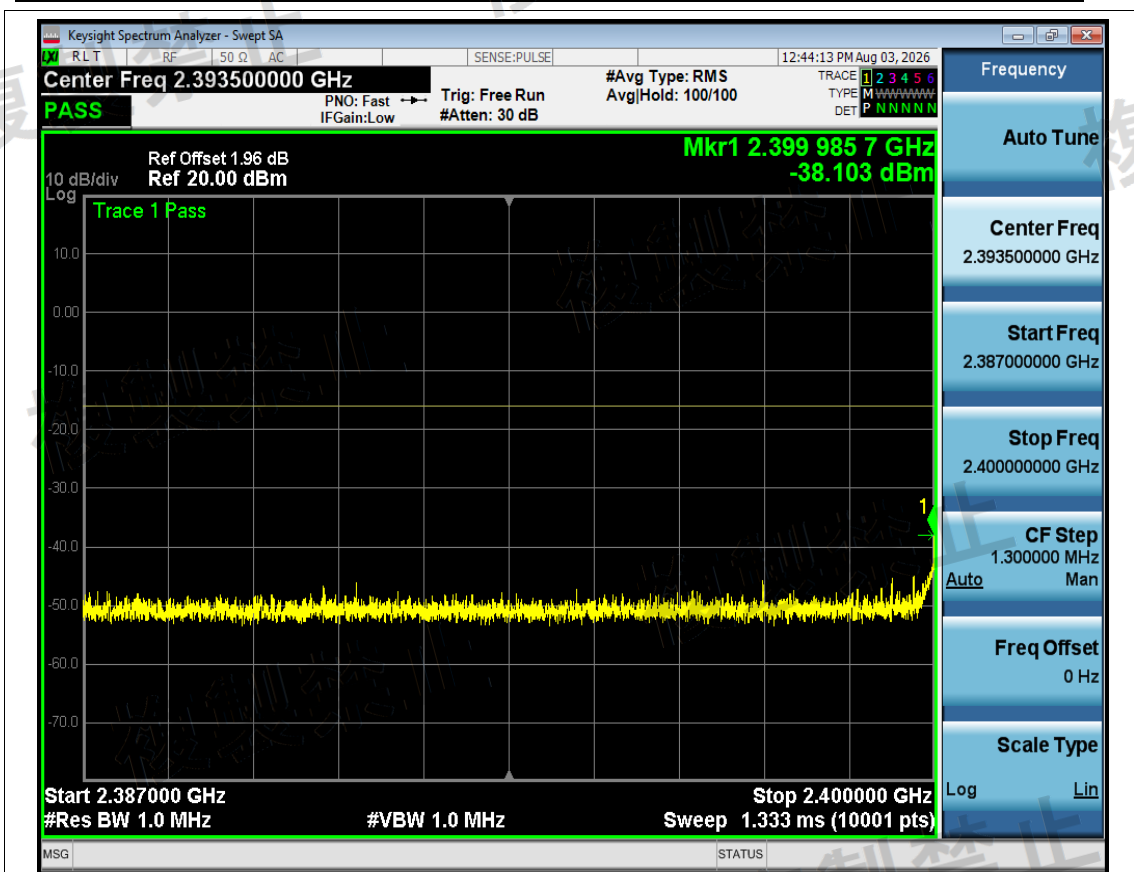
NVNT	BL E 2M	2480	Ant1	1000-23 87	2210.0 2	-46. 87	NA	0.020 6	NA	2.5	2.5	Pas s
NVNT	BL E 2M	2480	Ant1	2387-24 00	2393.7 6	-46. 12	NA	0.024 4	NA	25	25	Pas s
NVNT	BL E 2M	2480	Ant1	2483.5-2 496.5	2484.5 1	-42. 50	NA	0.056 2	NA	25	25	Pas s
NVNT	BL E 2M	2480	Ant1	2496.5-1 3000	5359.7 5	-44. 42	NA	0.036 1	NA	2.5	2.5	Pas s



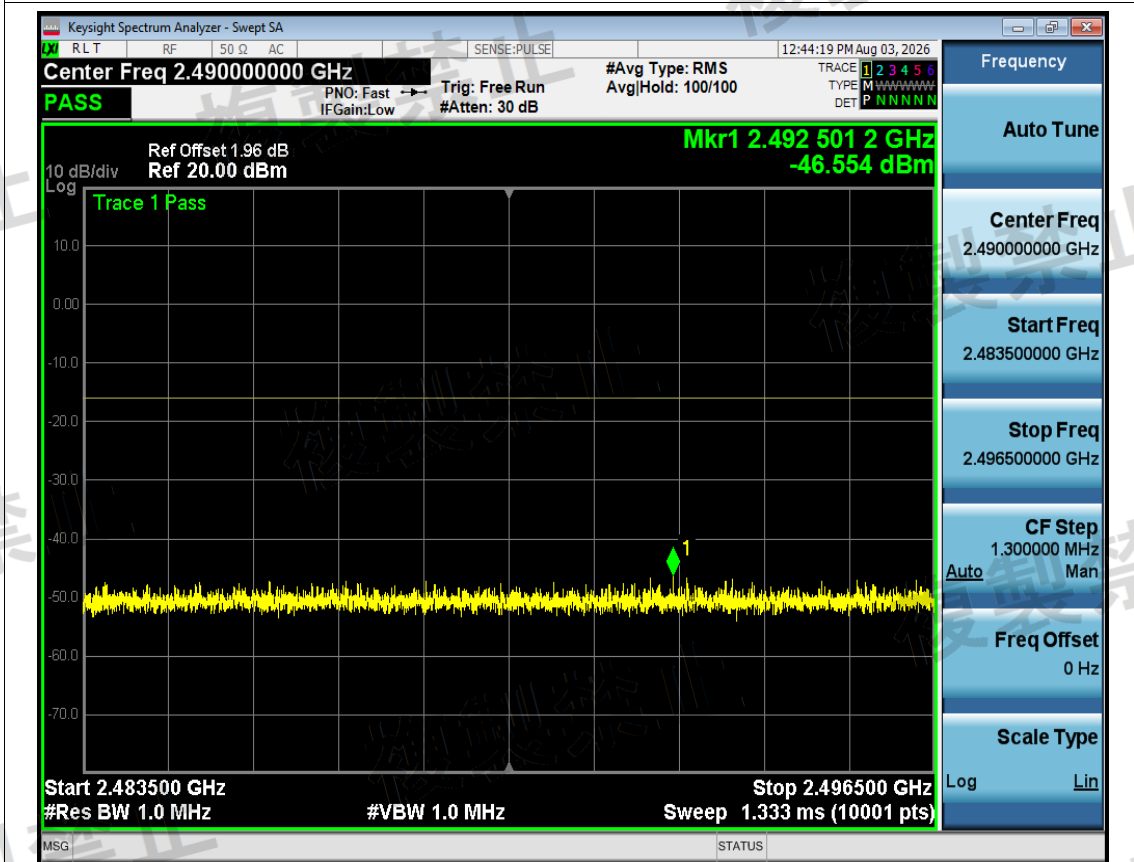
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



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



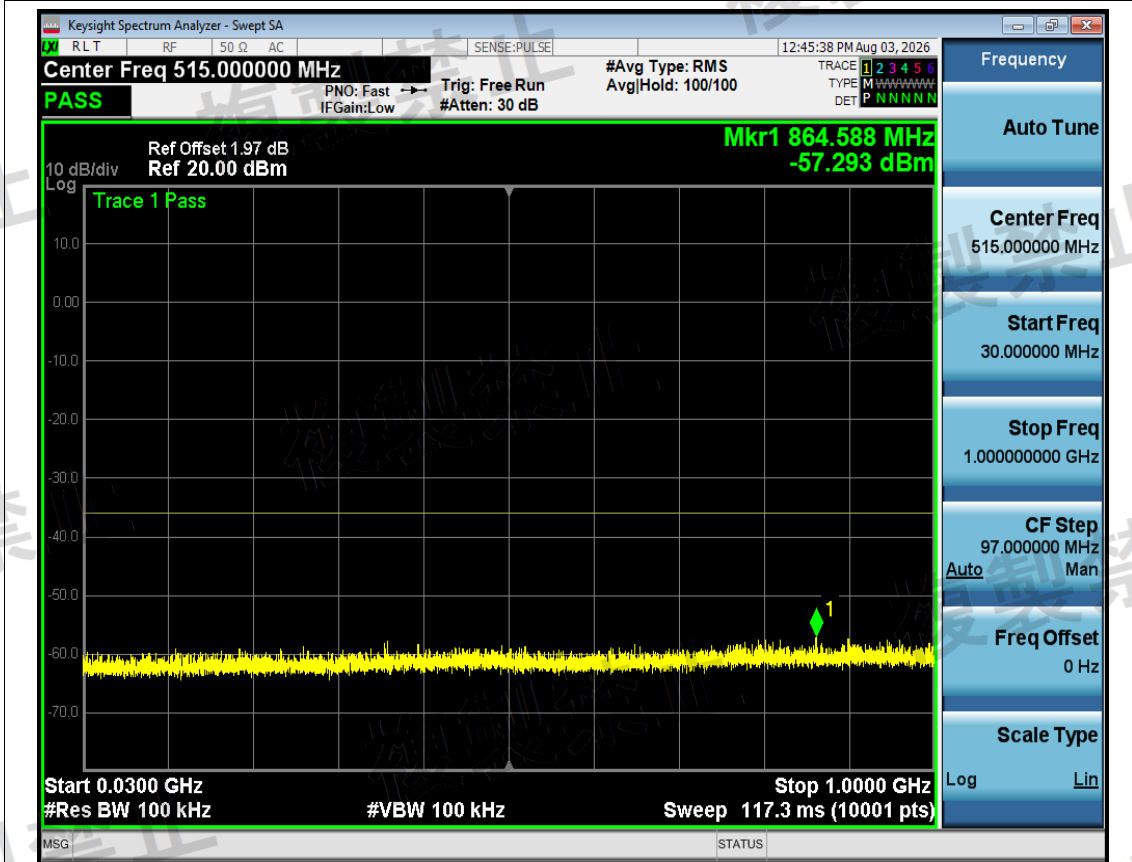
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz



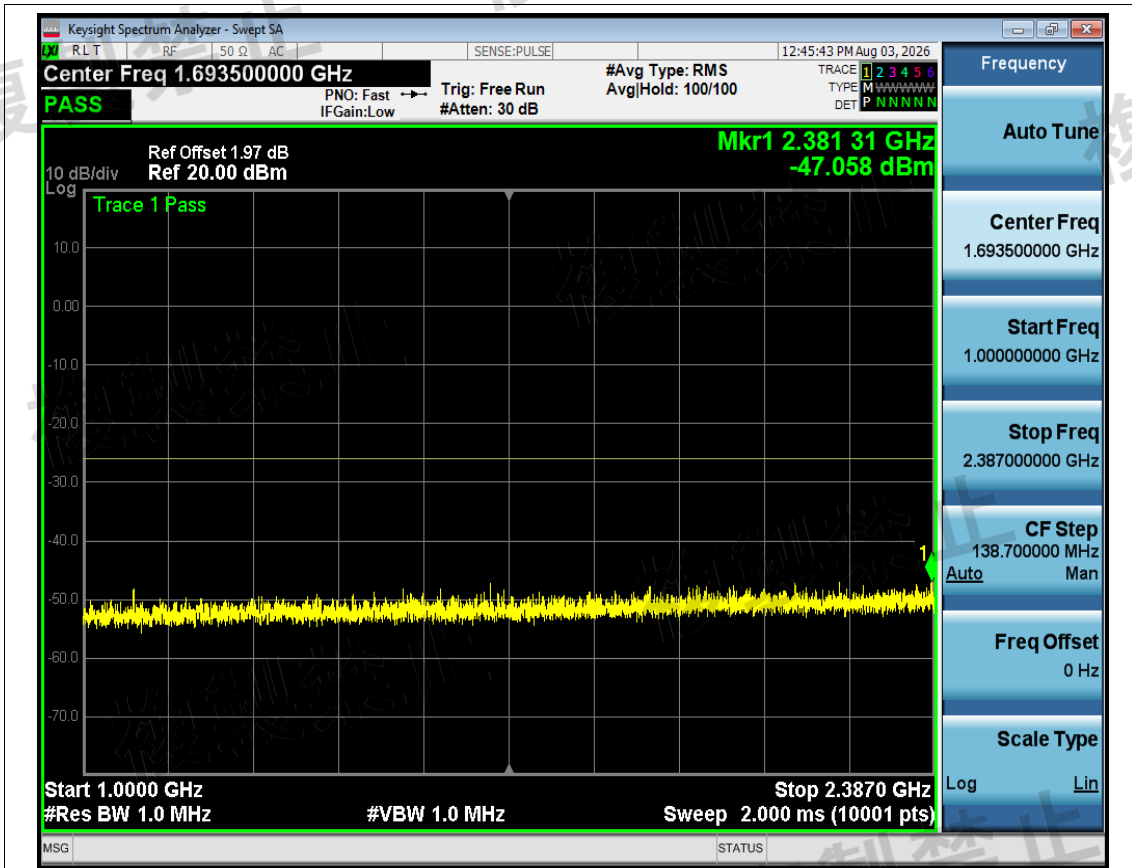
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



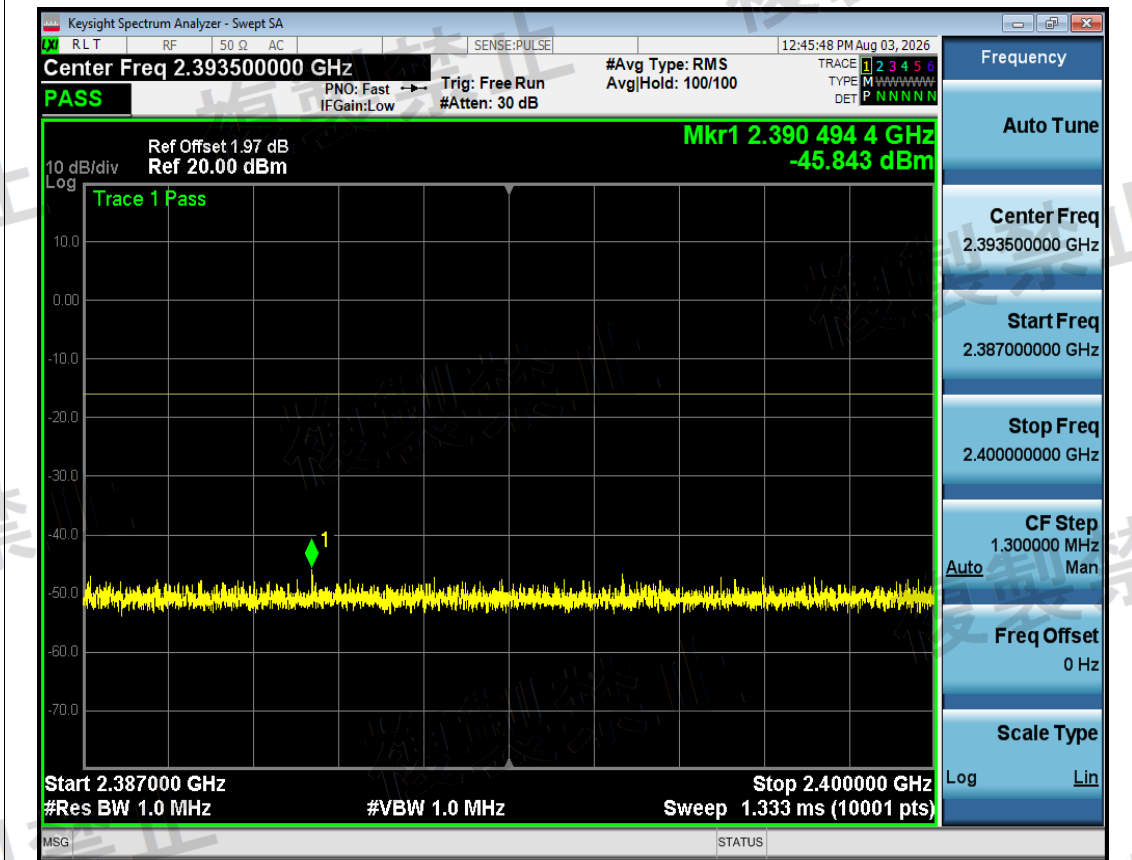
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



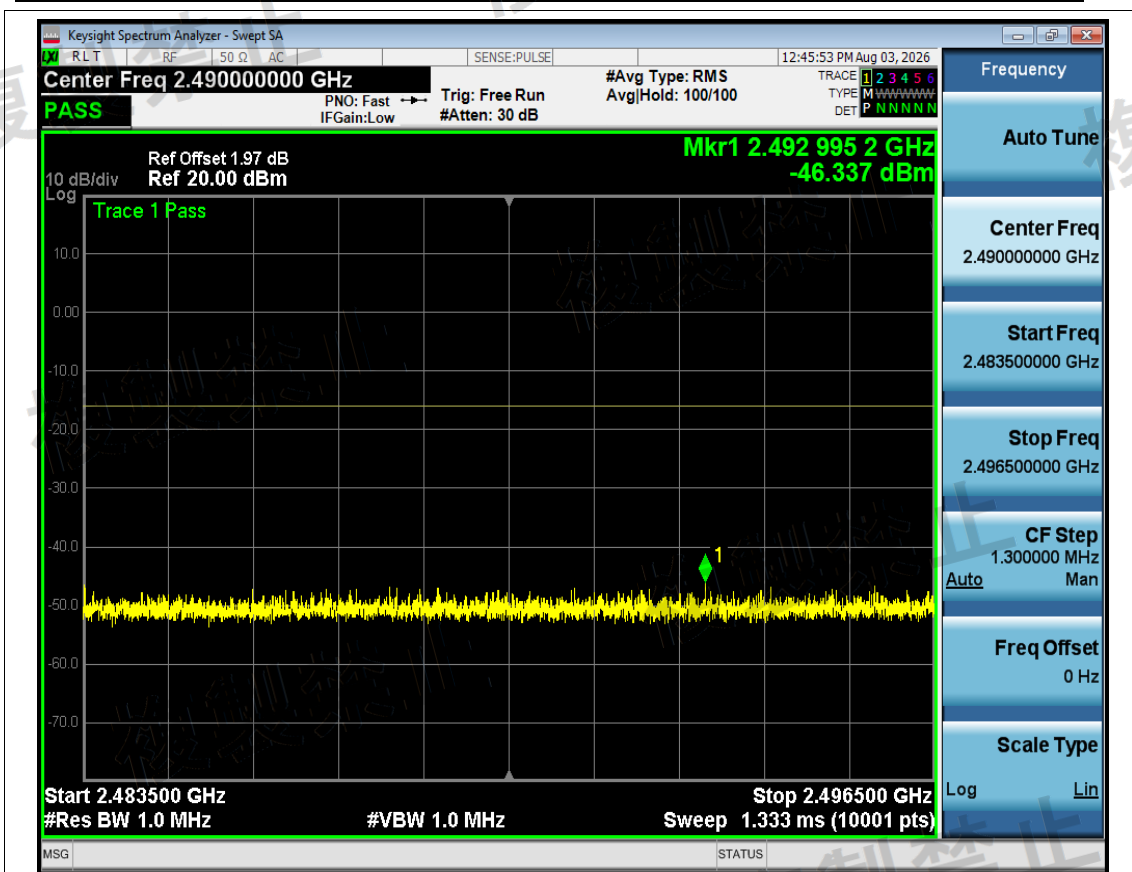
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



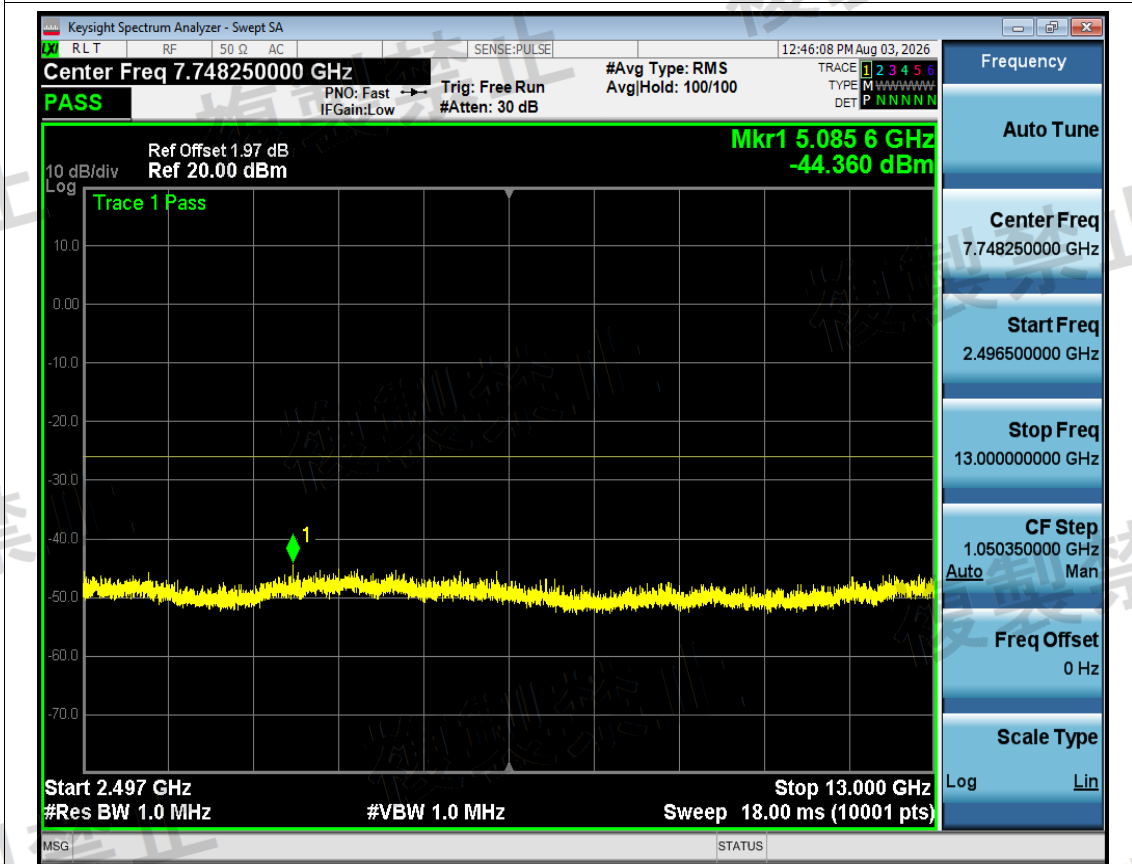
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-2387MHz



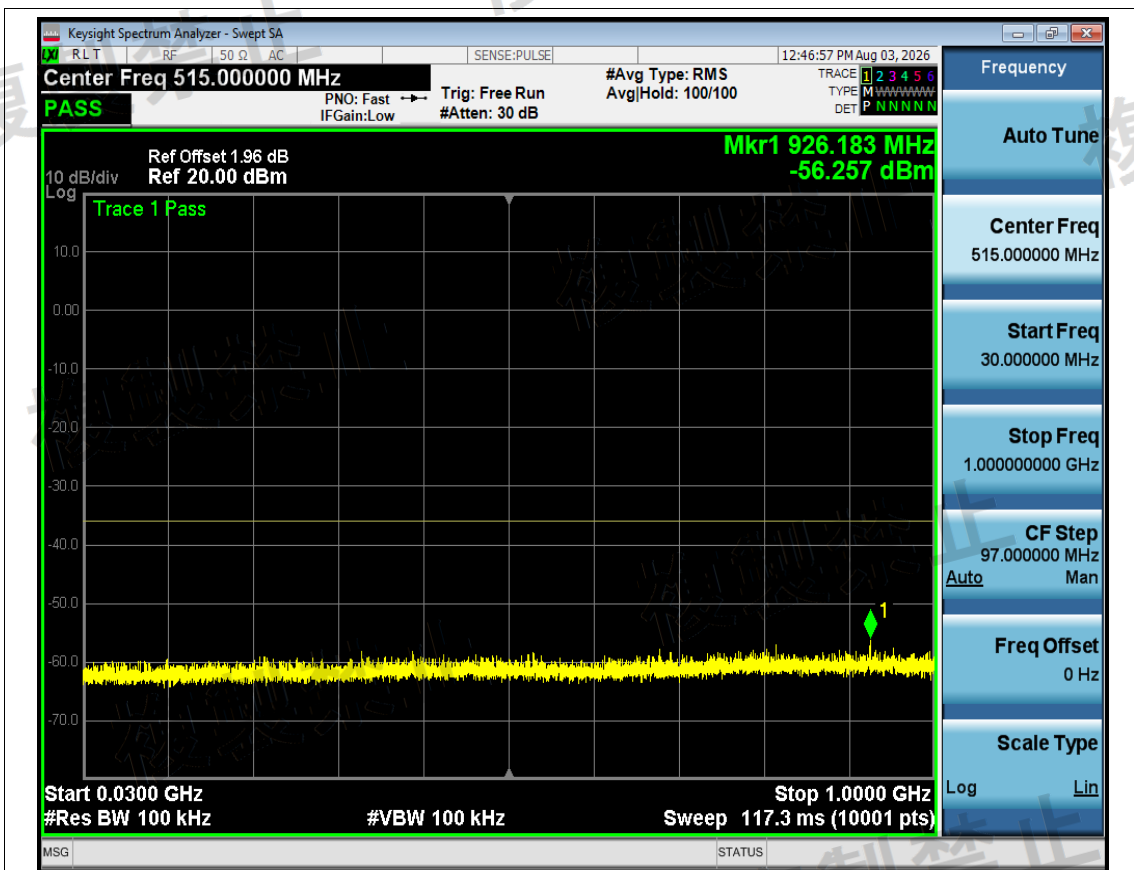
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2387MHz-2400MHz



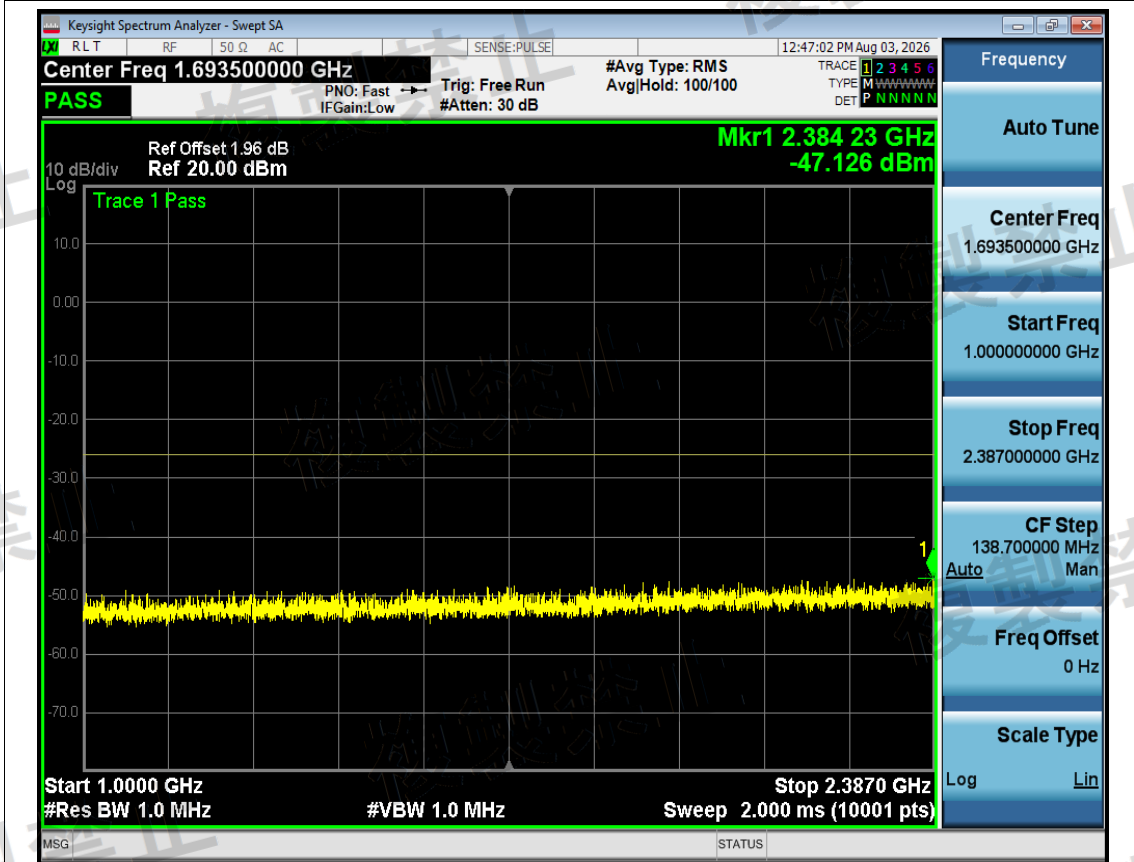
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



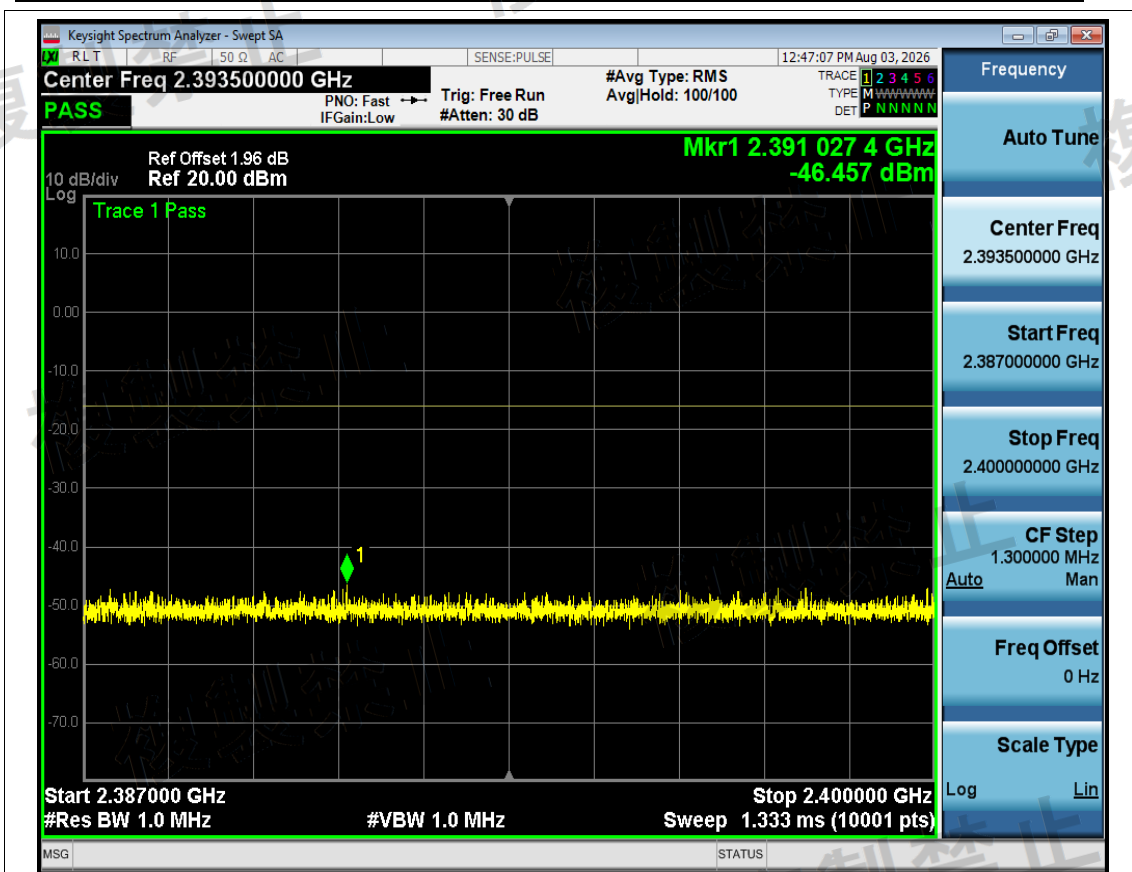
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2496.5MHz-13000MHz



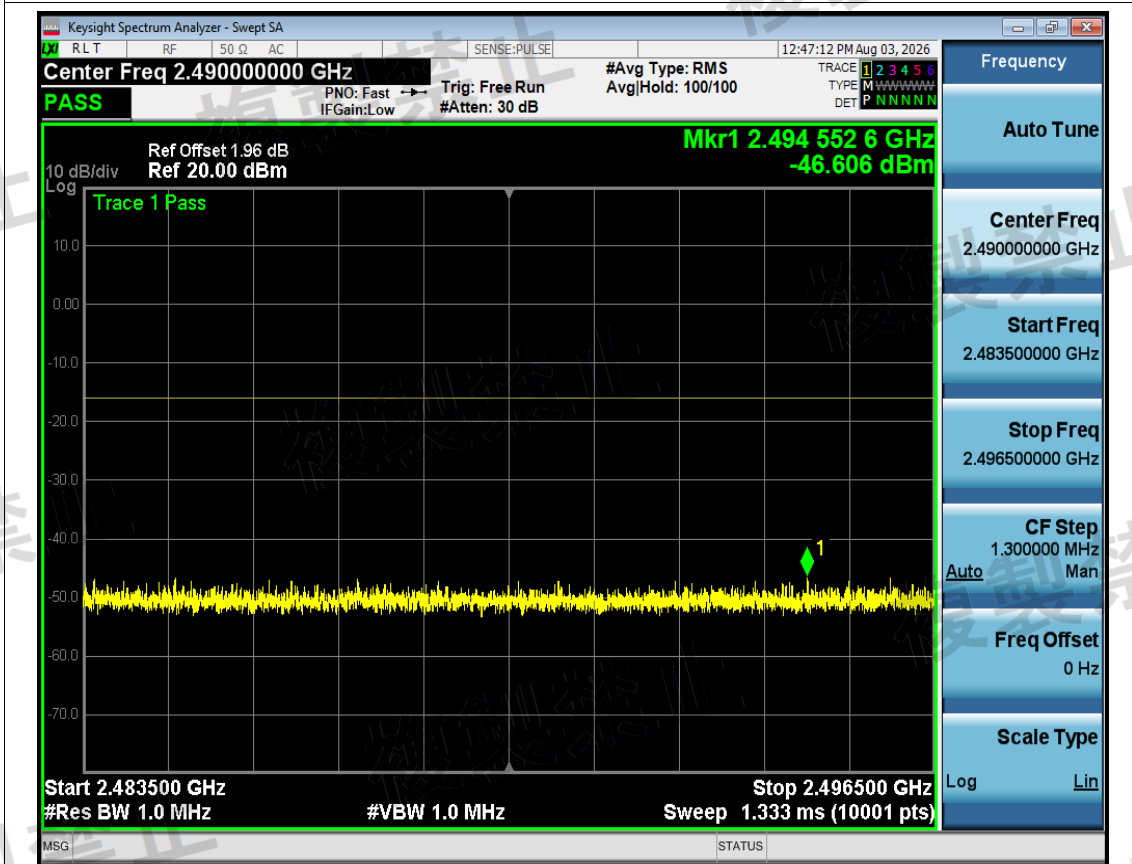
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



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



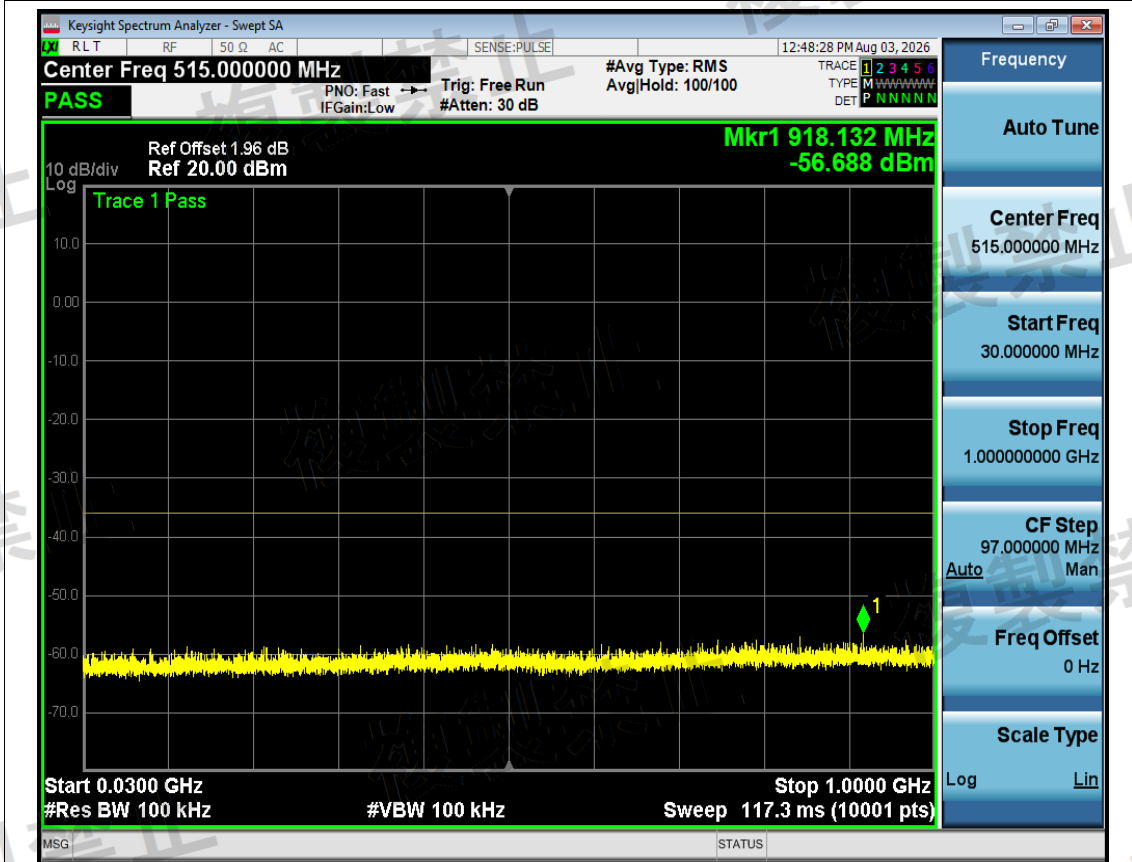
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



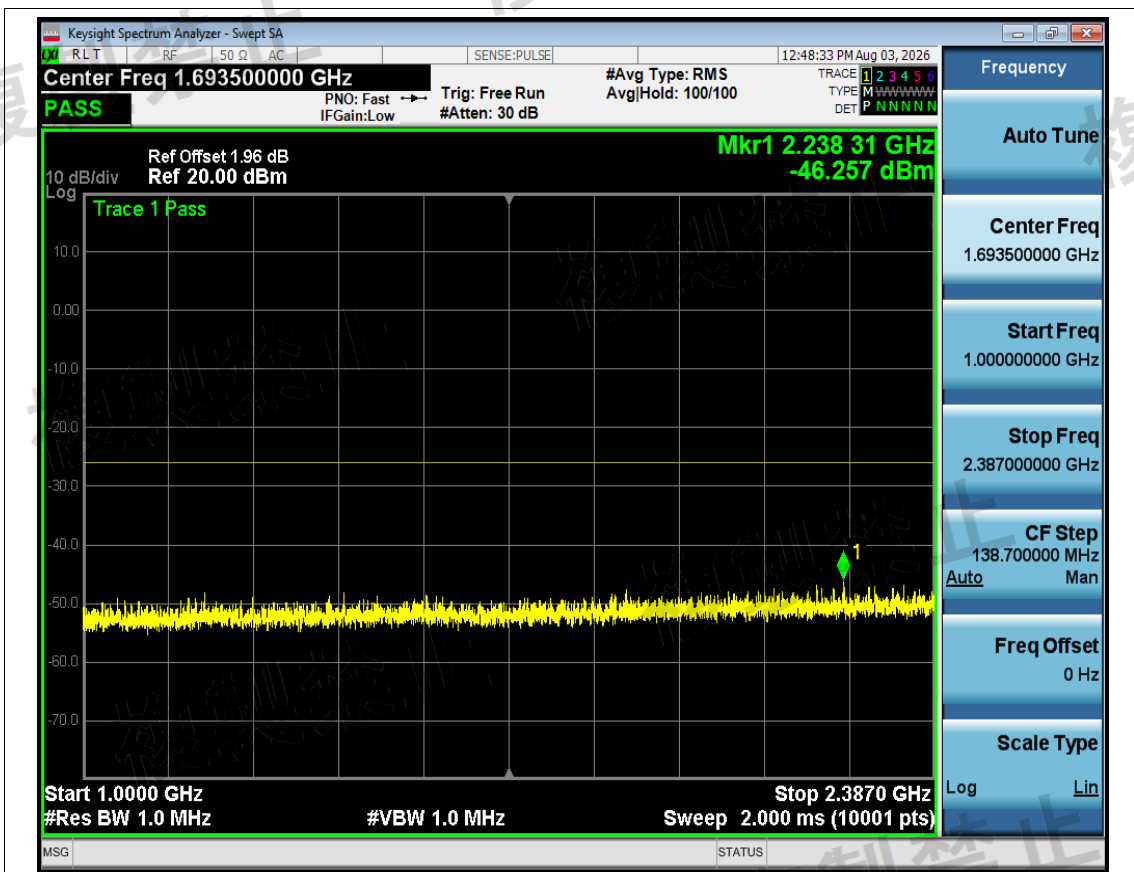
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



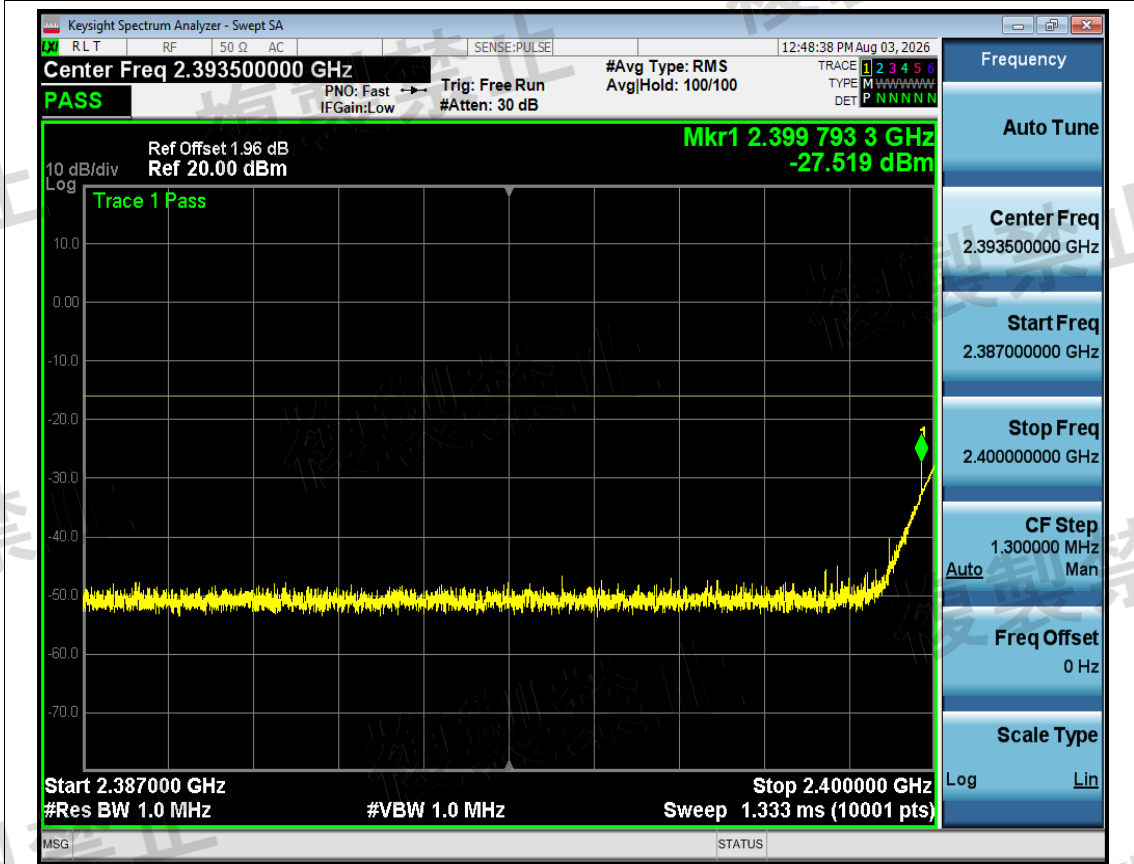
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz



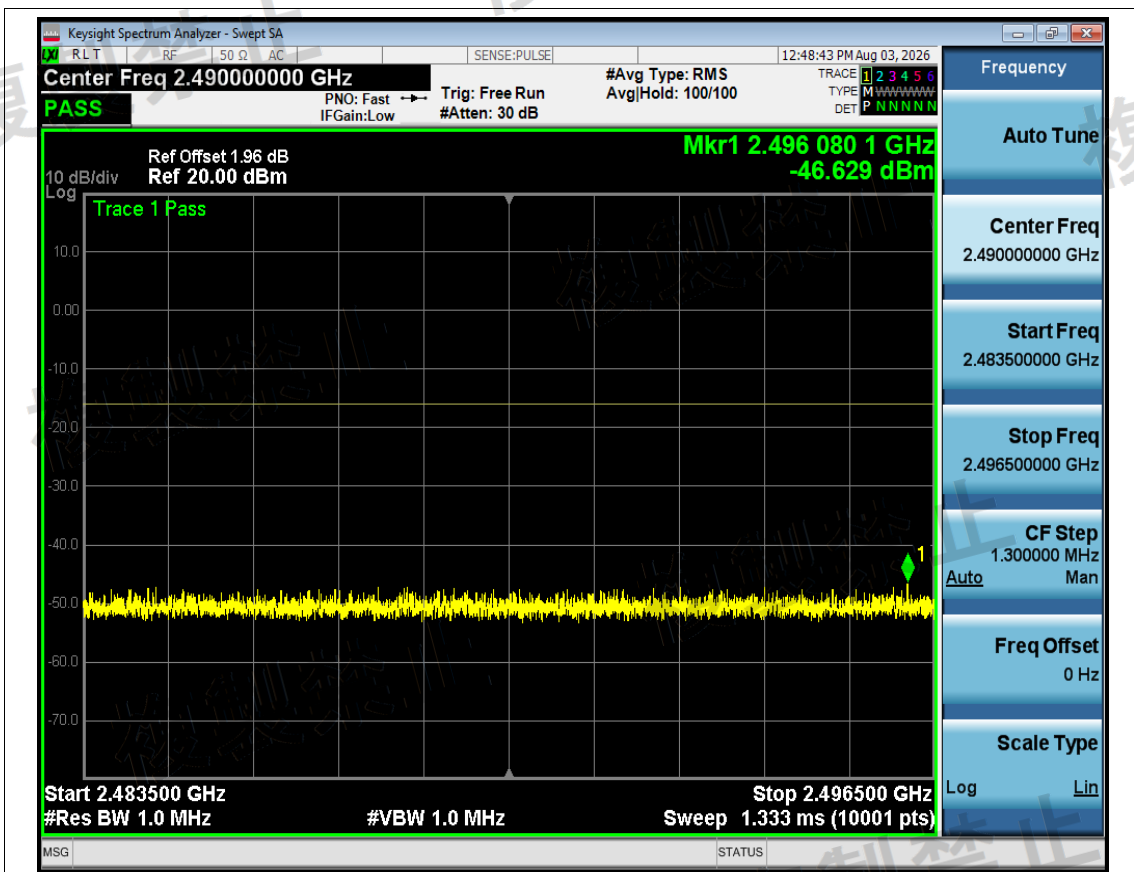
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



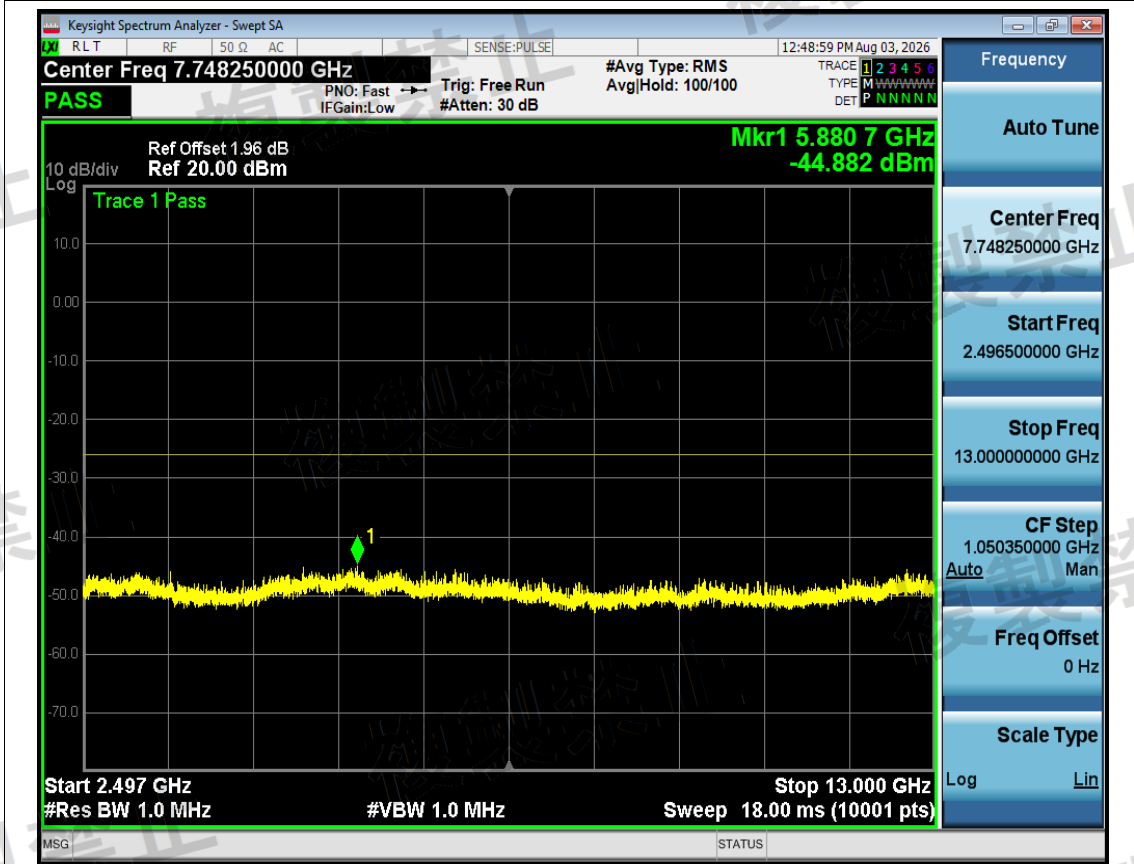
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-2387MHz



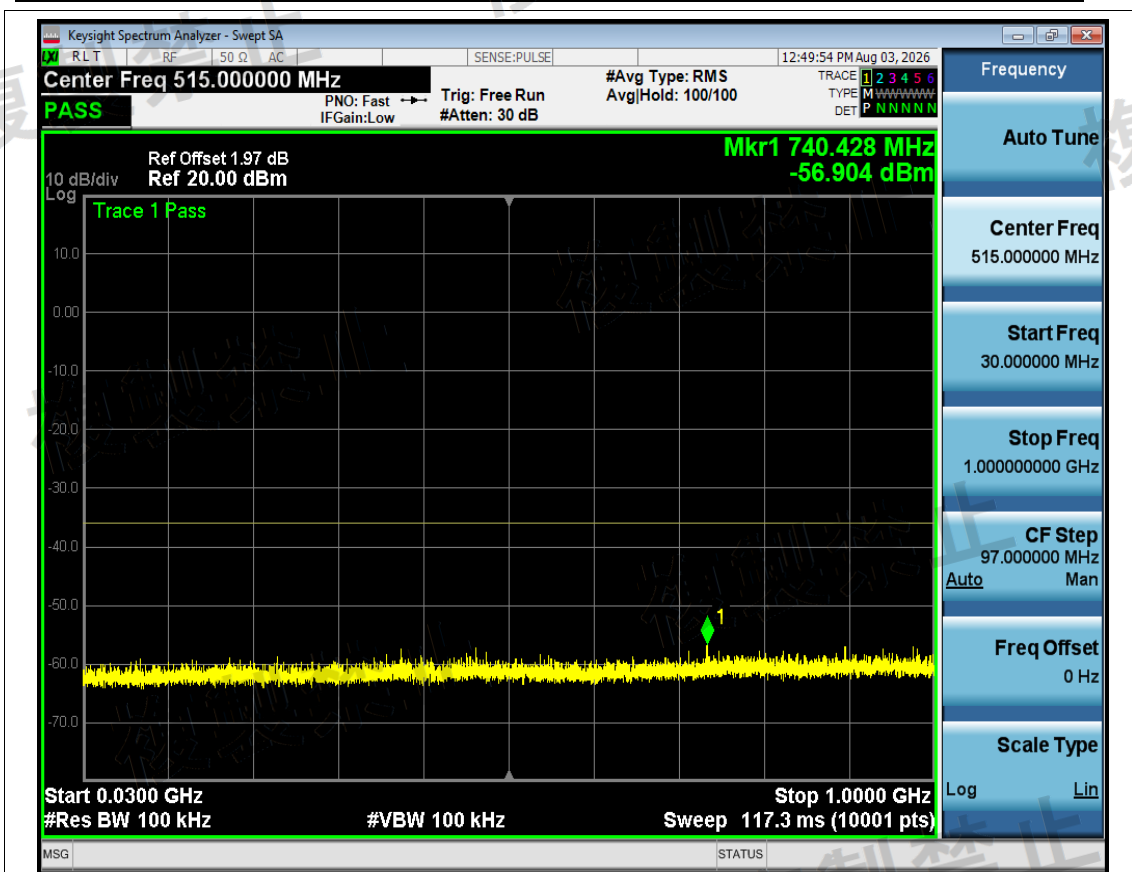
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2387MHz-2400MHz



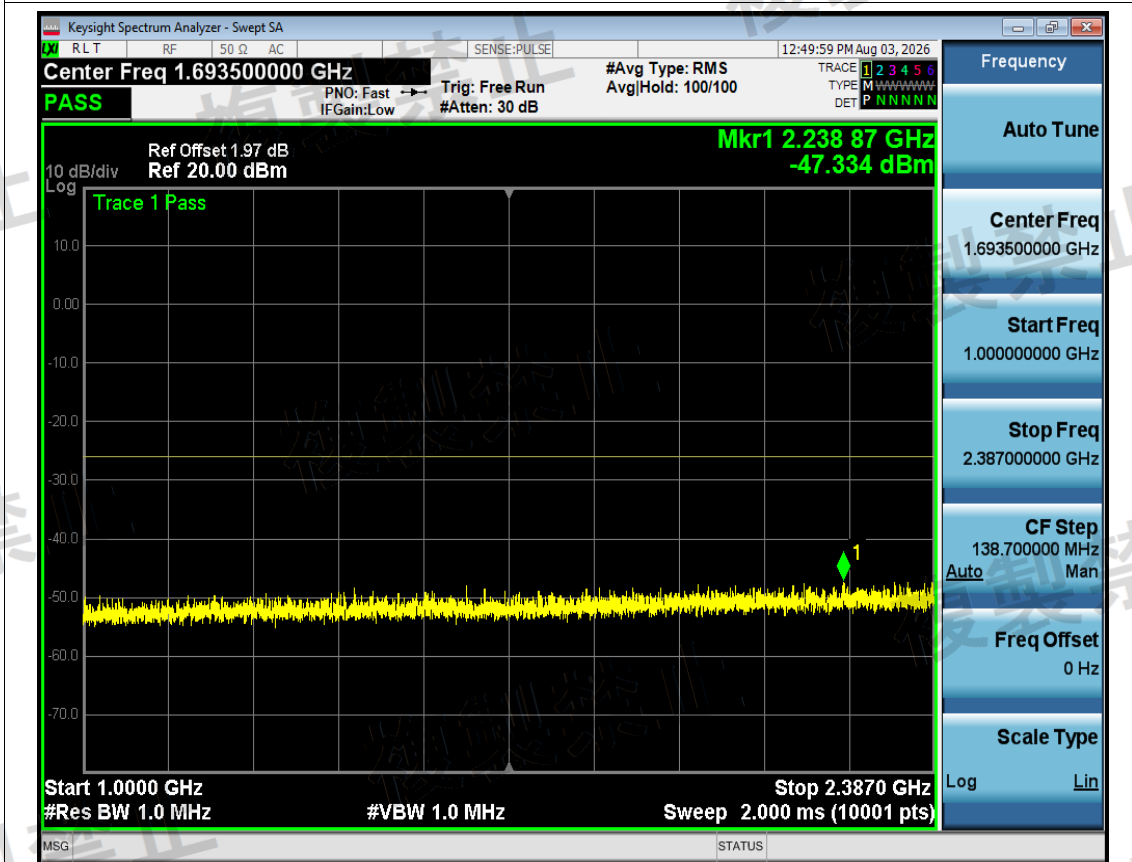
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



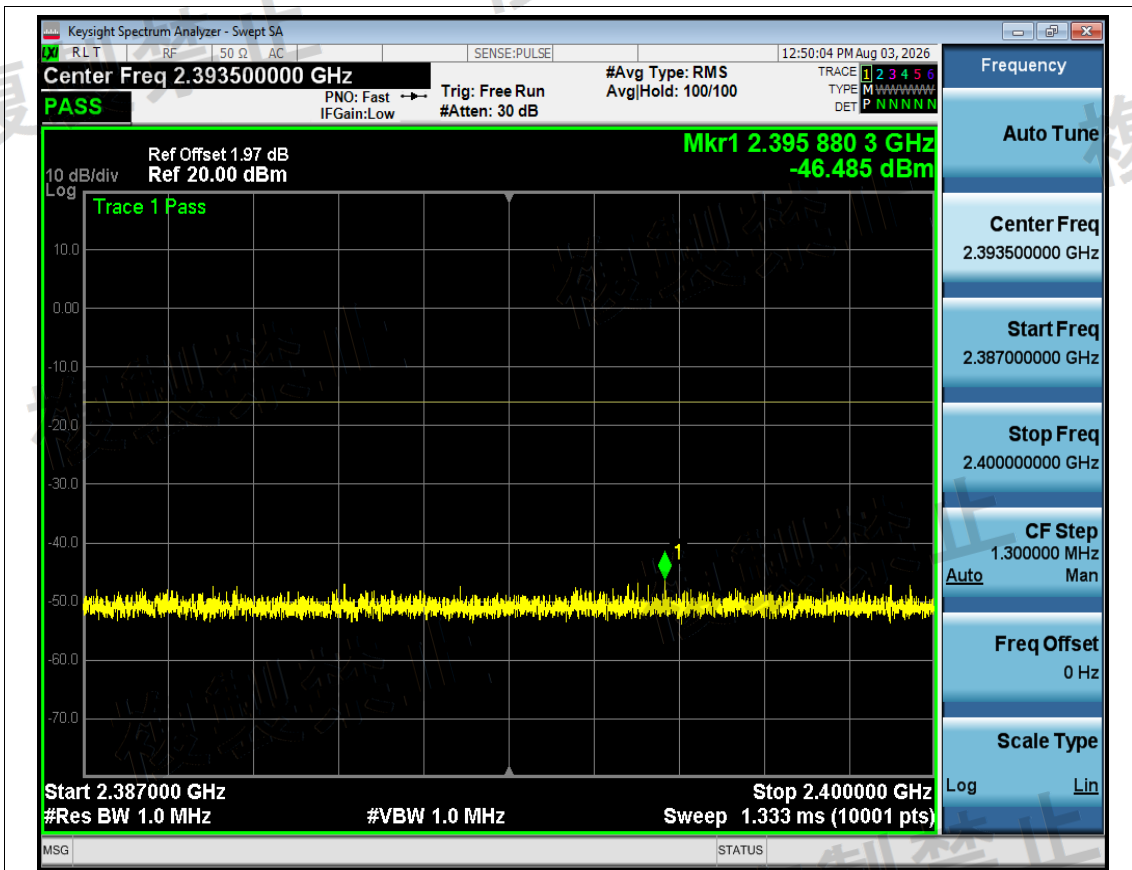
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2496.5MHz-13000MHz



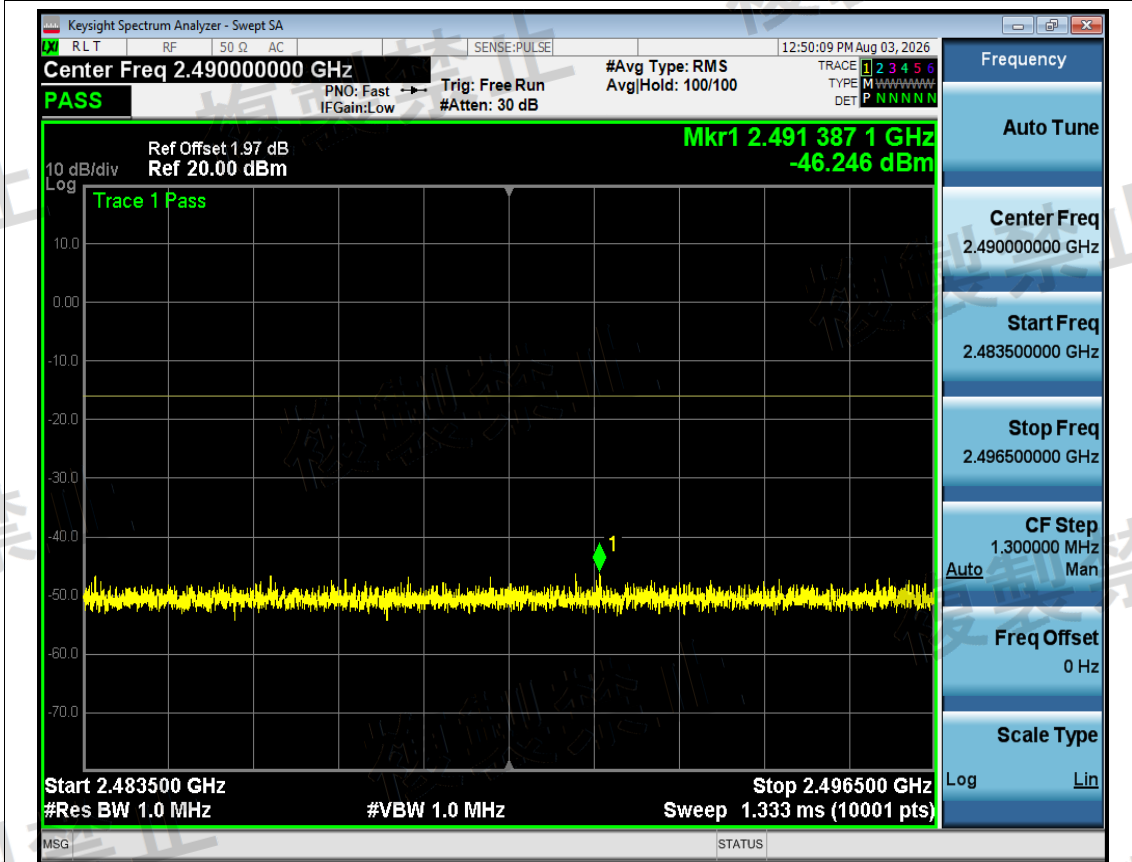
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



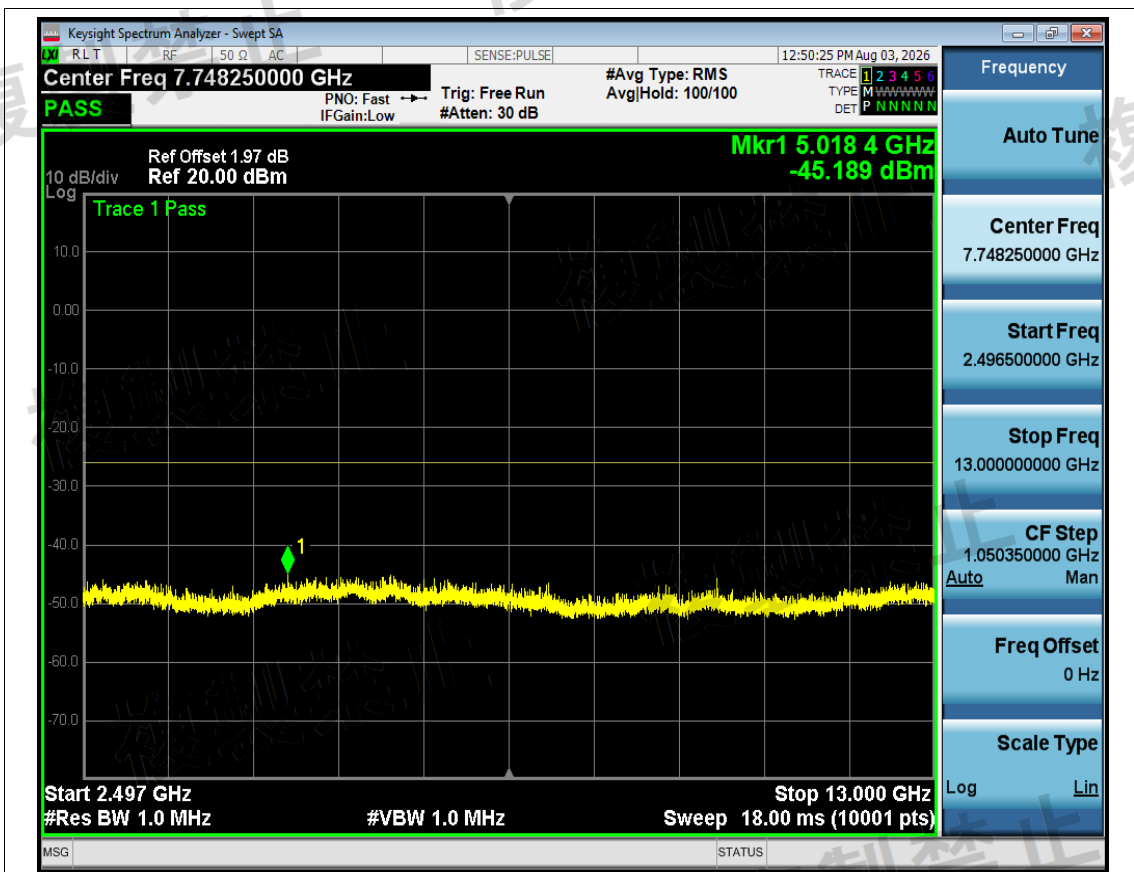
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-2387MHz



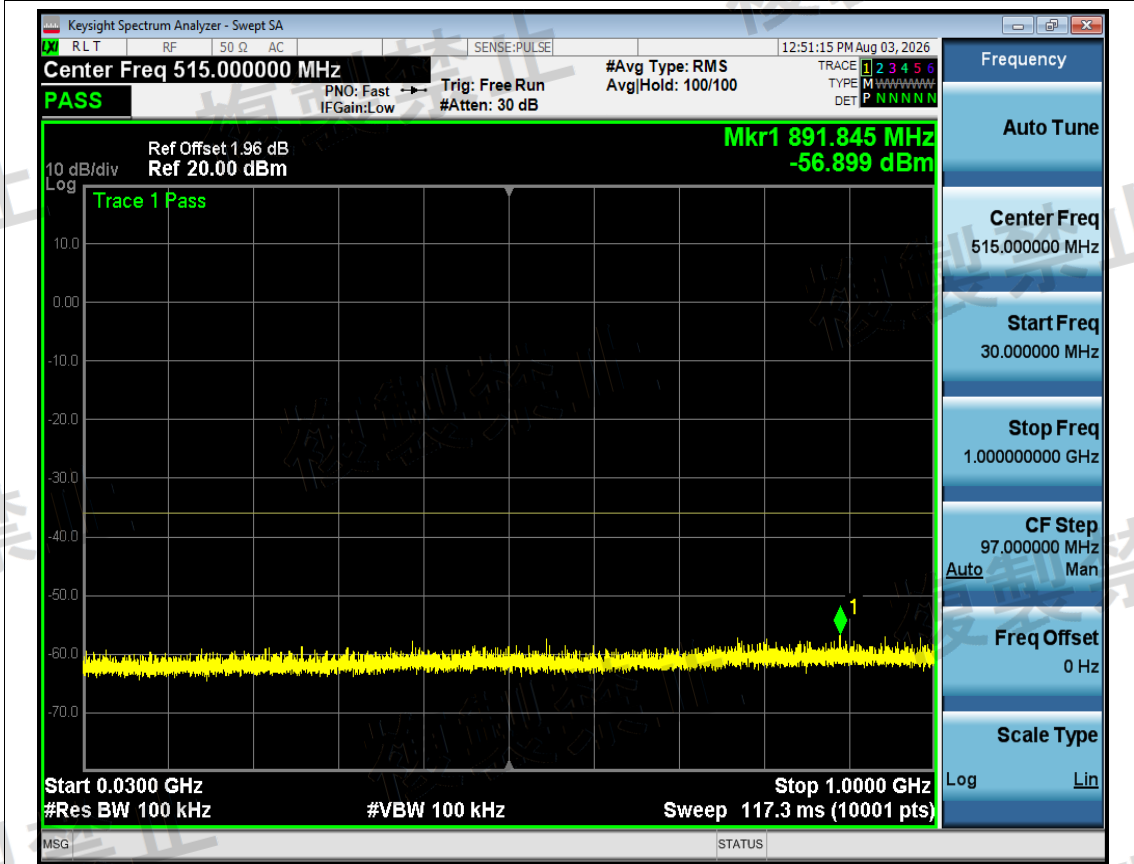
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2387MHz-2400MHz



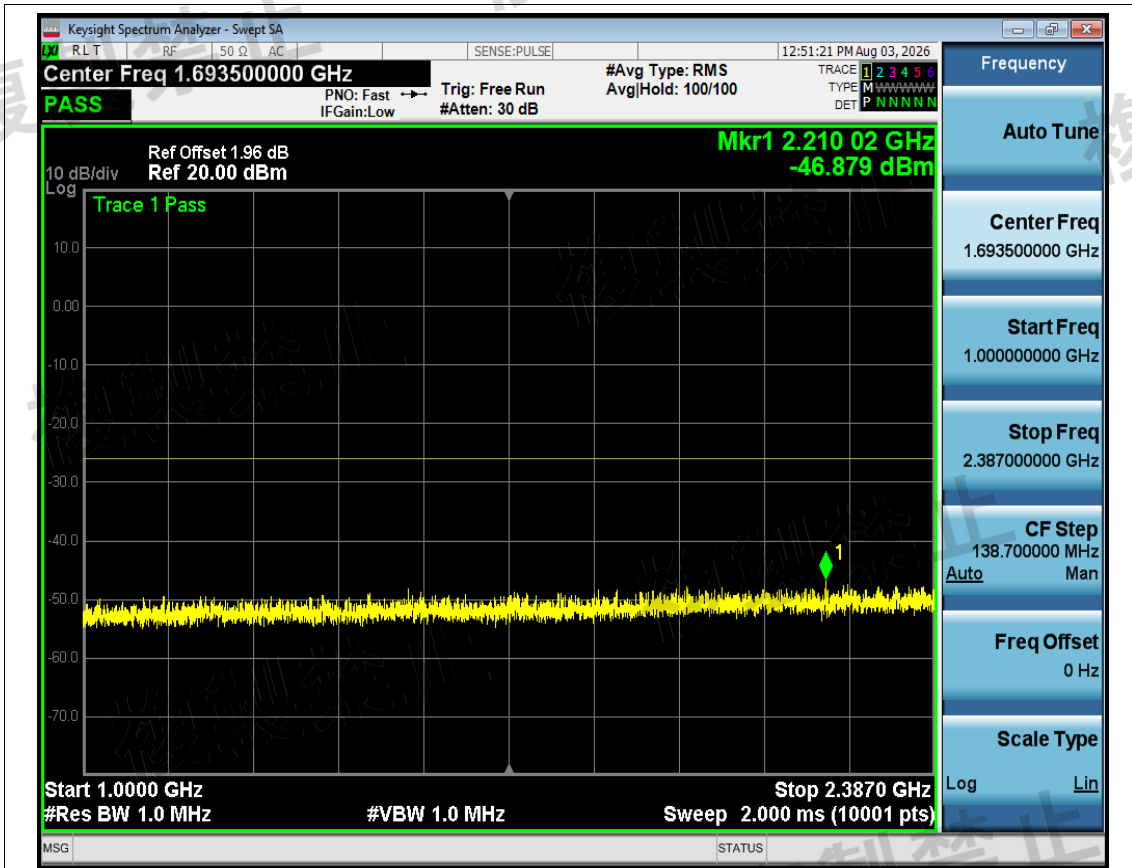
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



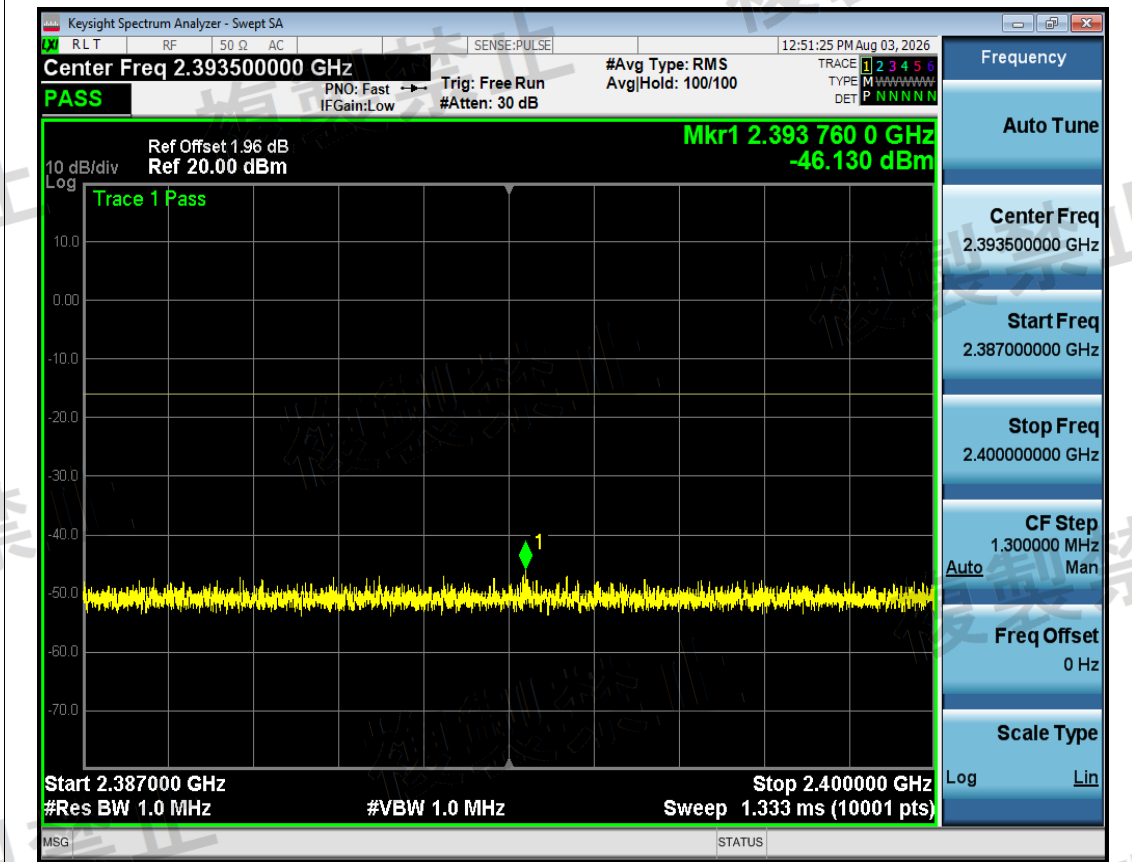
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2496.5MHz-13000MHz



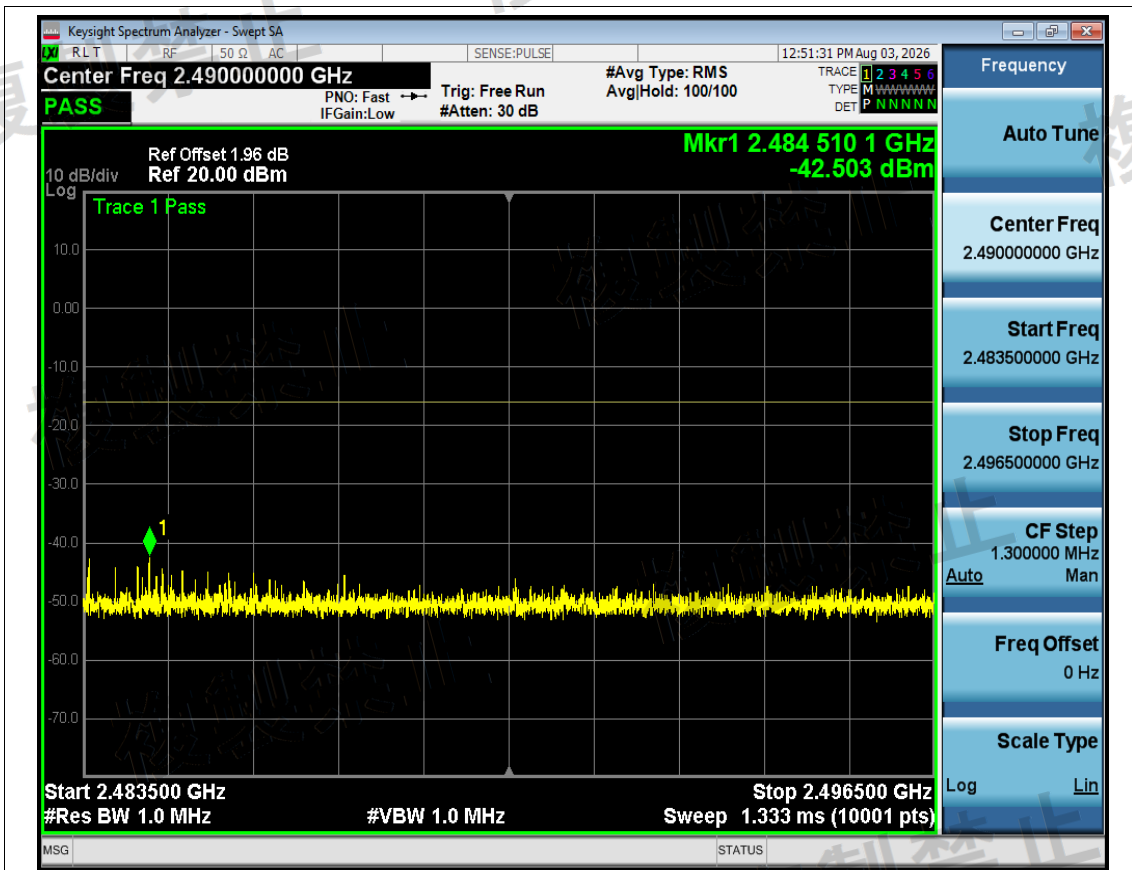
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



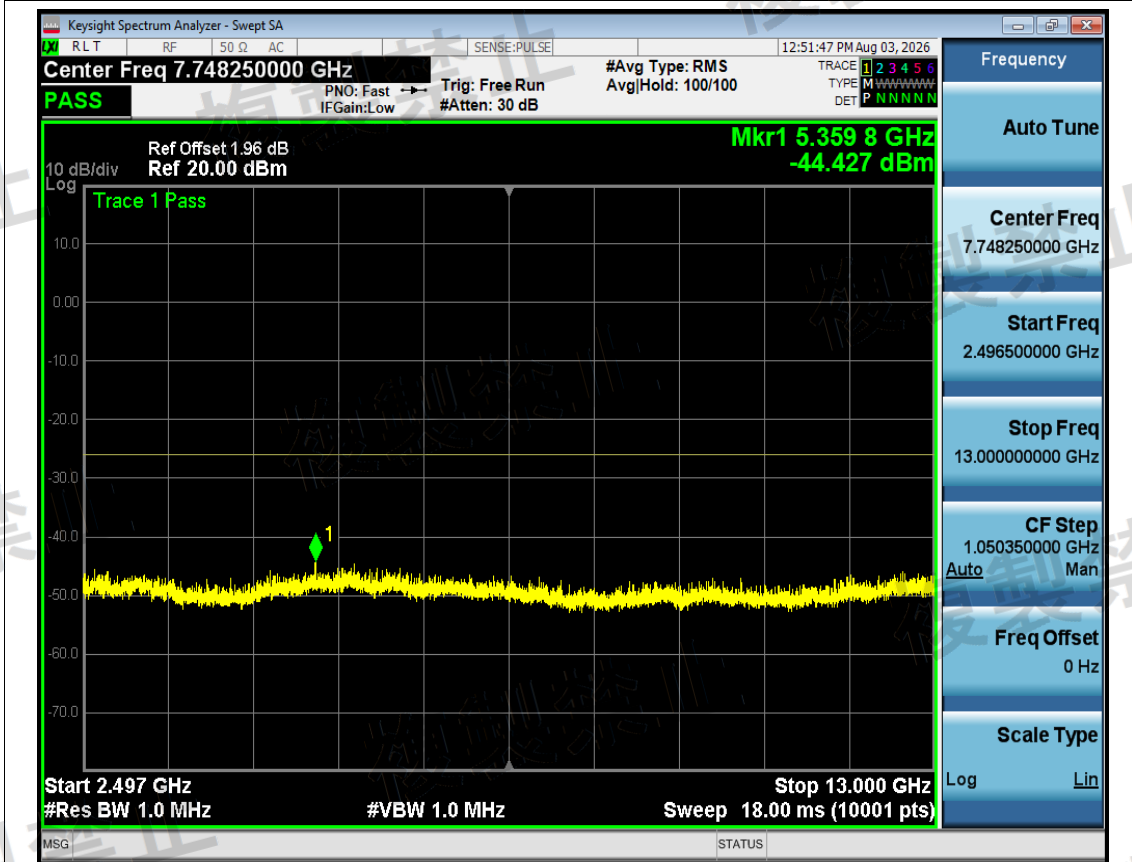
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 1000MHz-2387MHz



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



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

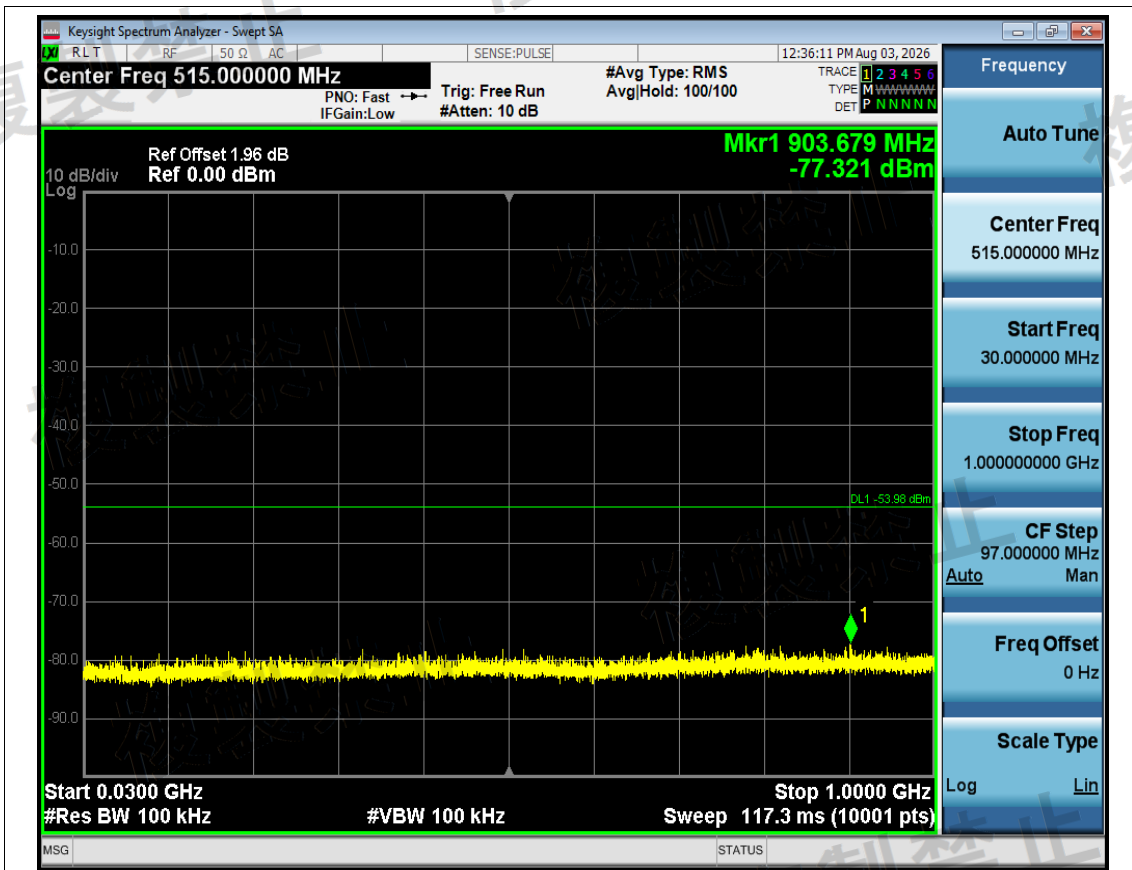


Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2496.5MHz-13000MHz

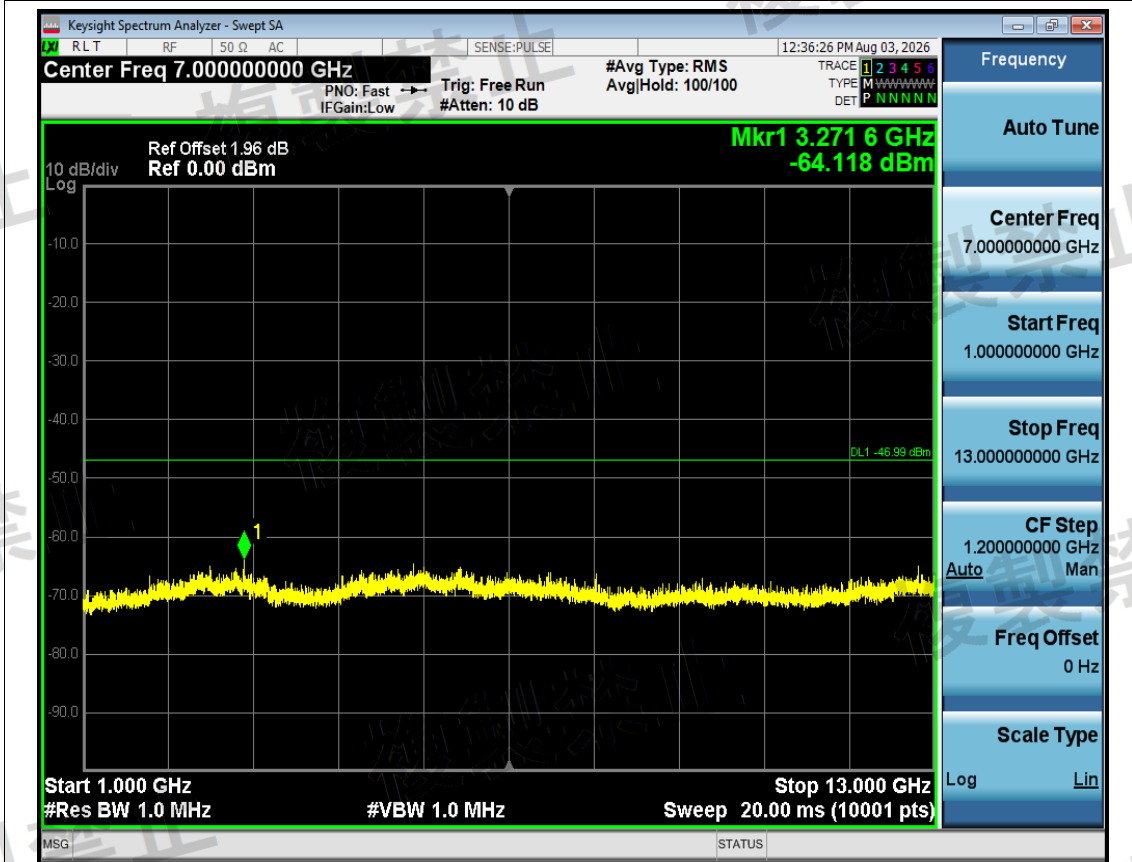


Rx Spurious Emission

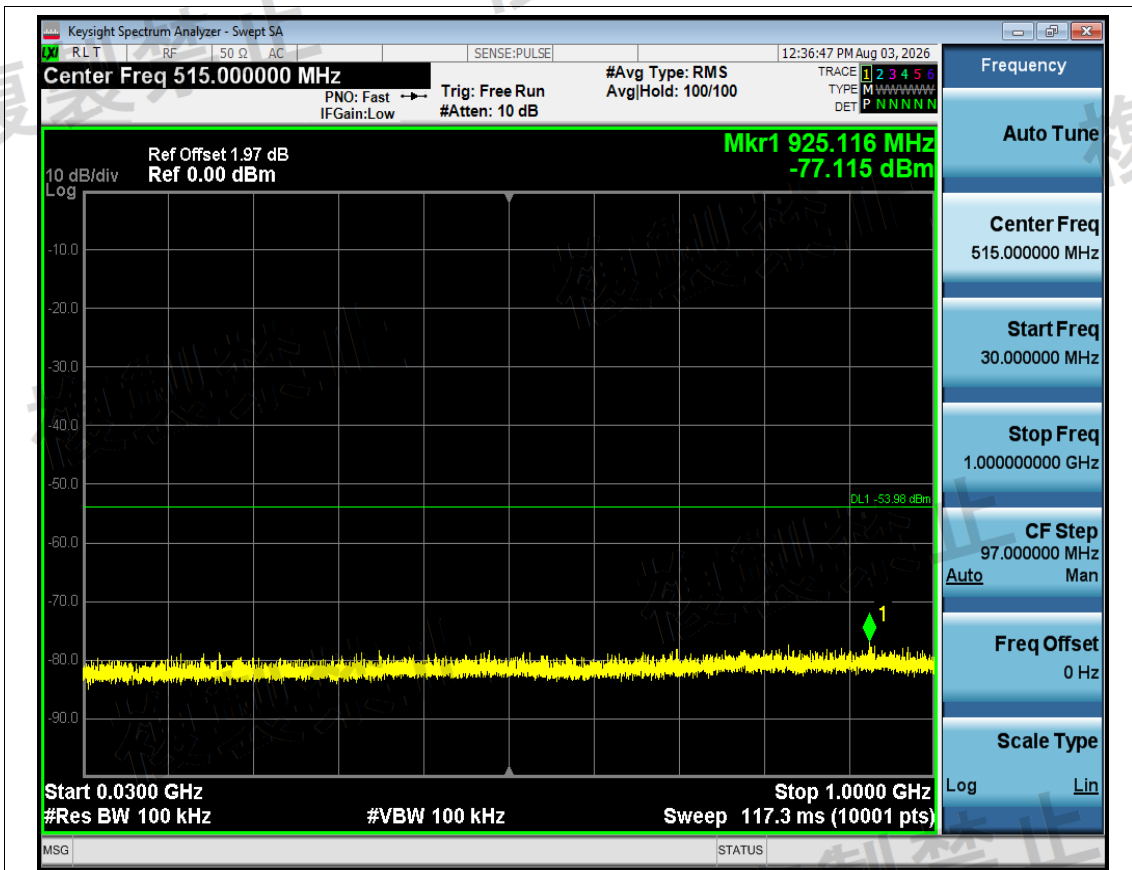
Condi tion	Mod e	Frequen cy (MHz)	Anten na	Range (MHz)	Emissio n Frequen cy (MHz)	Max Peak Valu e (dB m)	Max RMS Valu e (dB m)	Max Peak Valu e (nW)	Max RM S Valu e (nW)	Lim it (nW)	Verdi ct
NVNT	BLE 1M	2402	Ant1	30-1000	903.68	-77.3 2	NA	0.018 5	NA	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-130 00	3271.60	-64.1 2	NA	0.387 3	NA	20	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	925.12	-77.1 1	NA	0.019 5	NA	4	Pass
NVNT	BLE 1M	2440	Ant1	1000-130 00	5777.20	-65.1 1	NA	0.308 3	NA	20	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	901.64	-76.6 4	NA	0.021 7	NA	4	Pass
NVNT	BLE 1M	2480	Ant1	1000-130 00	5777.20	-64.9 7	NA	0.318 4	NA	20	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	940.64	-77.2 6	NA	0.018 8	NA	4	Pass
NVNT	BLE 2M	2402	Ant1	1000-130 00	7092.40	-64.4 7	NA	0.357 3	NA	20	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	923.76	-76.9 9	NA	0.02	NA	4	Pass
NVNT	BLE 2M	2440	Ant1	1000-130 00	5588.80	-64.5 7	NA	0.349 1	NA	20	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	402.58	-77.6 9	NA	0.017	NA	4	Pass
NVNT	BLE 2M	2480	Ant1	1000-130 00	5795.20	-64.8 5	NA	0.327 3	NA	20	Pass



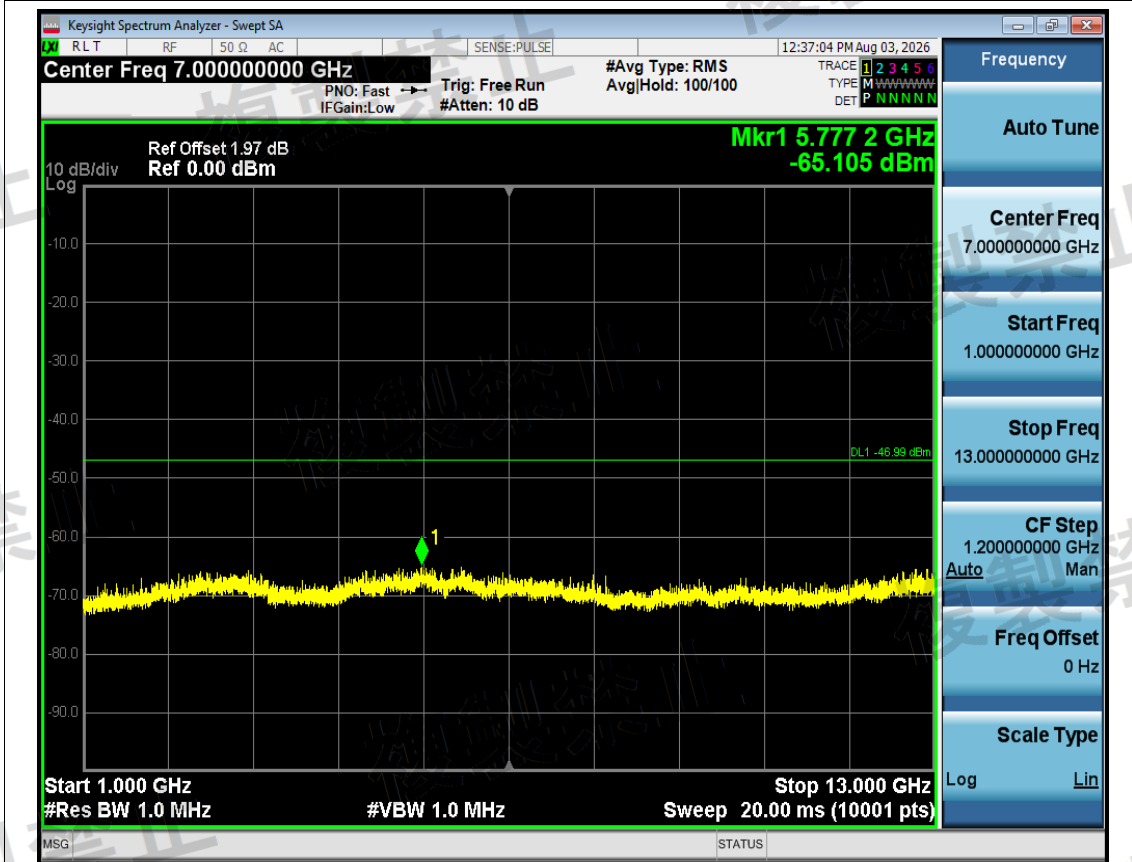
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



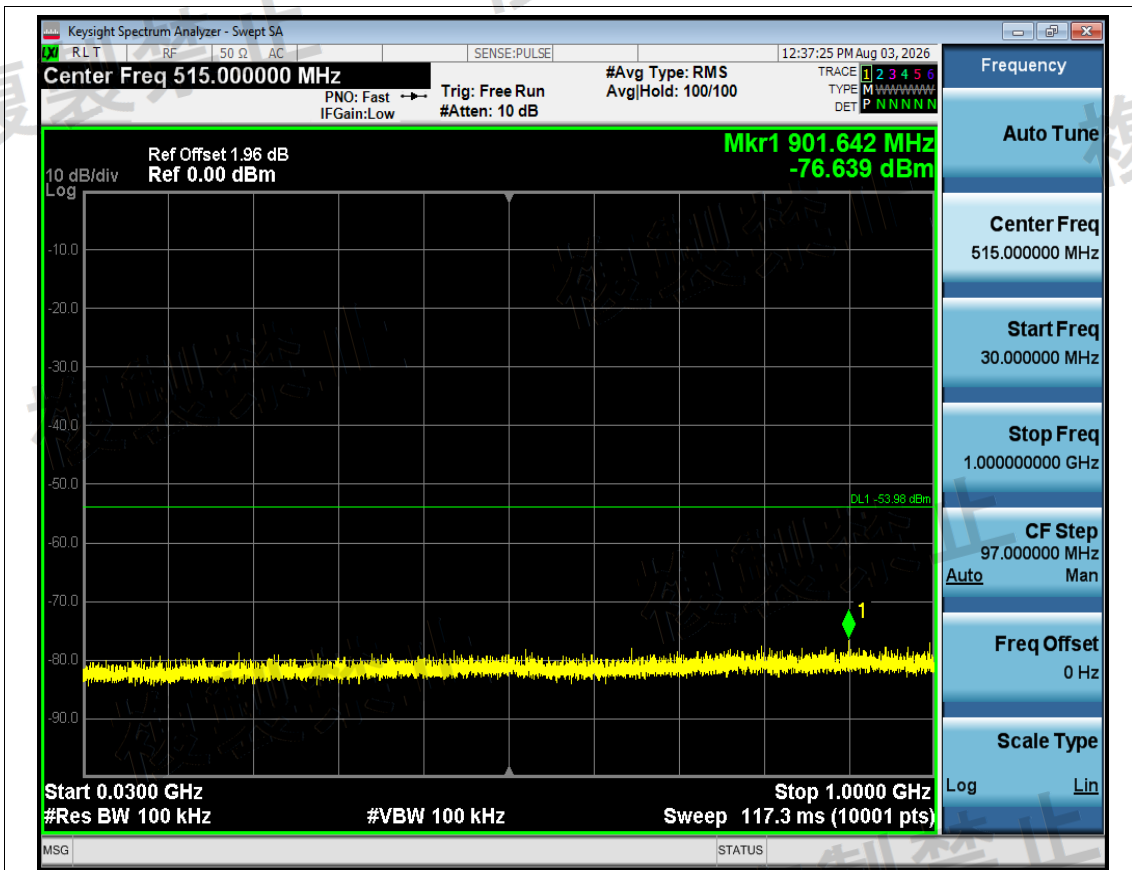
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz



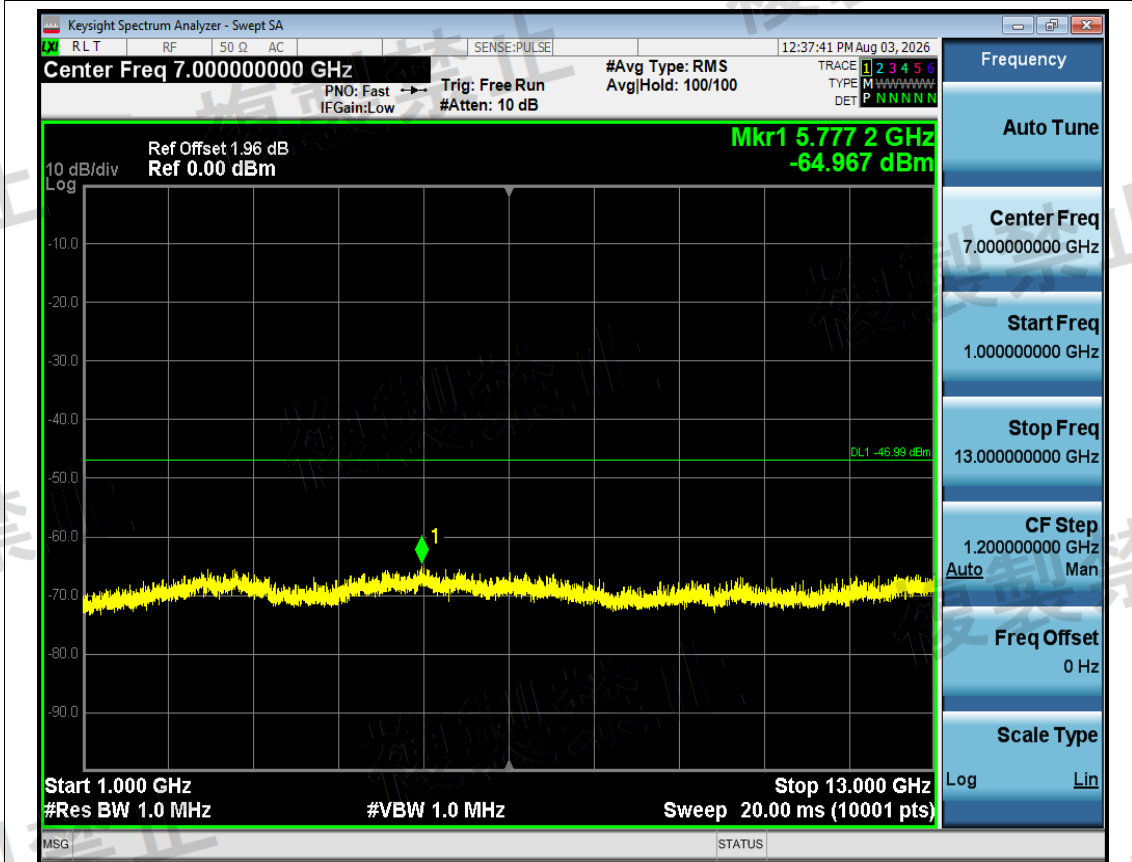
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



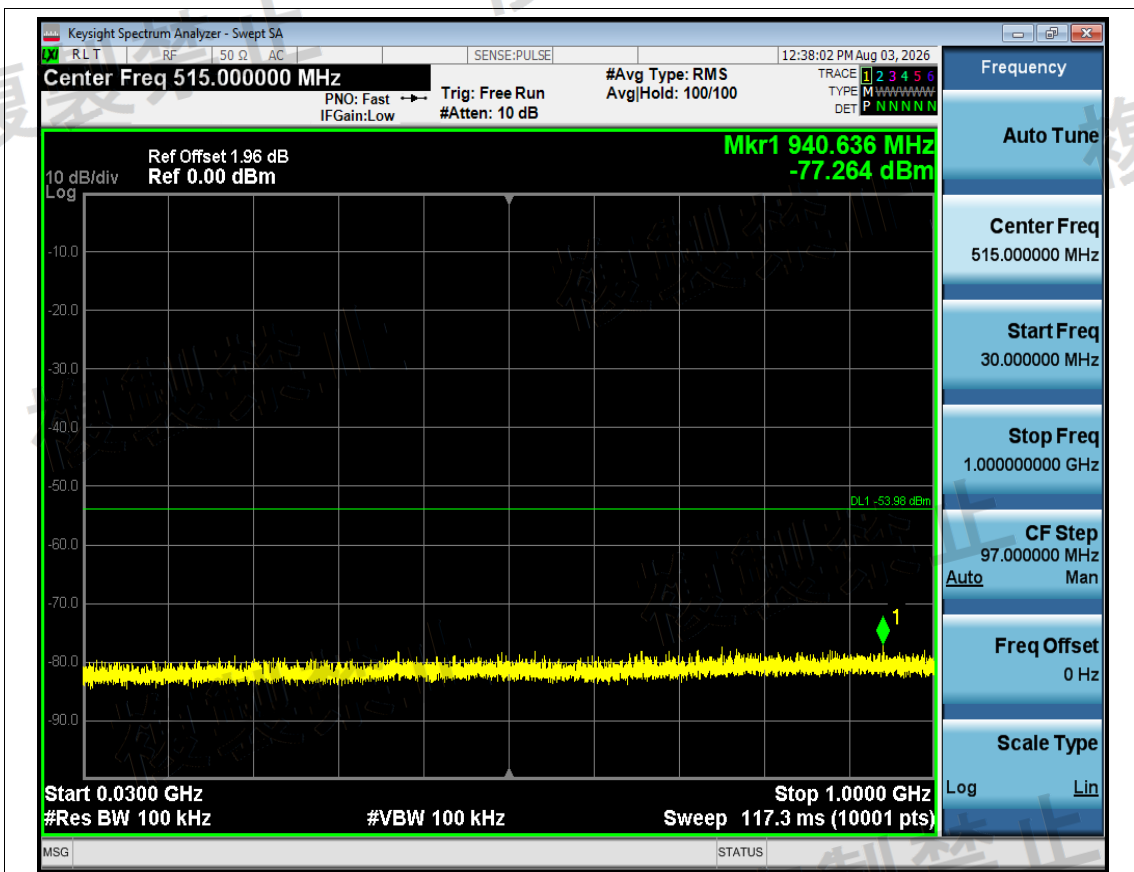
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-13000MHz



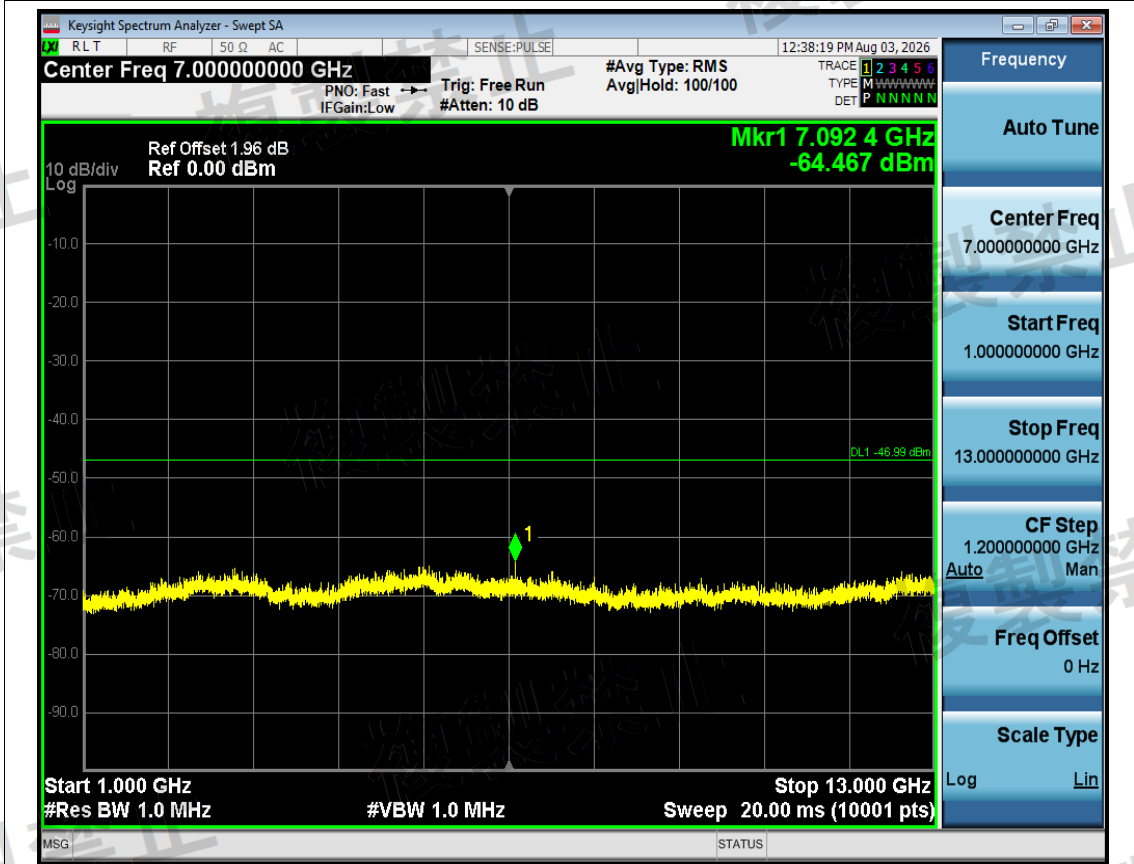
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



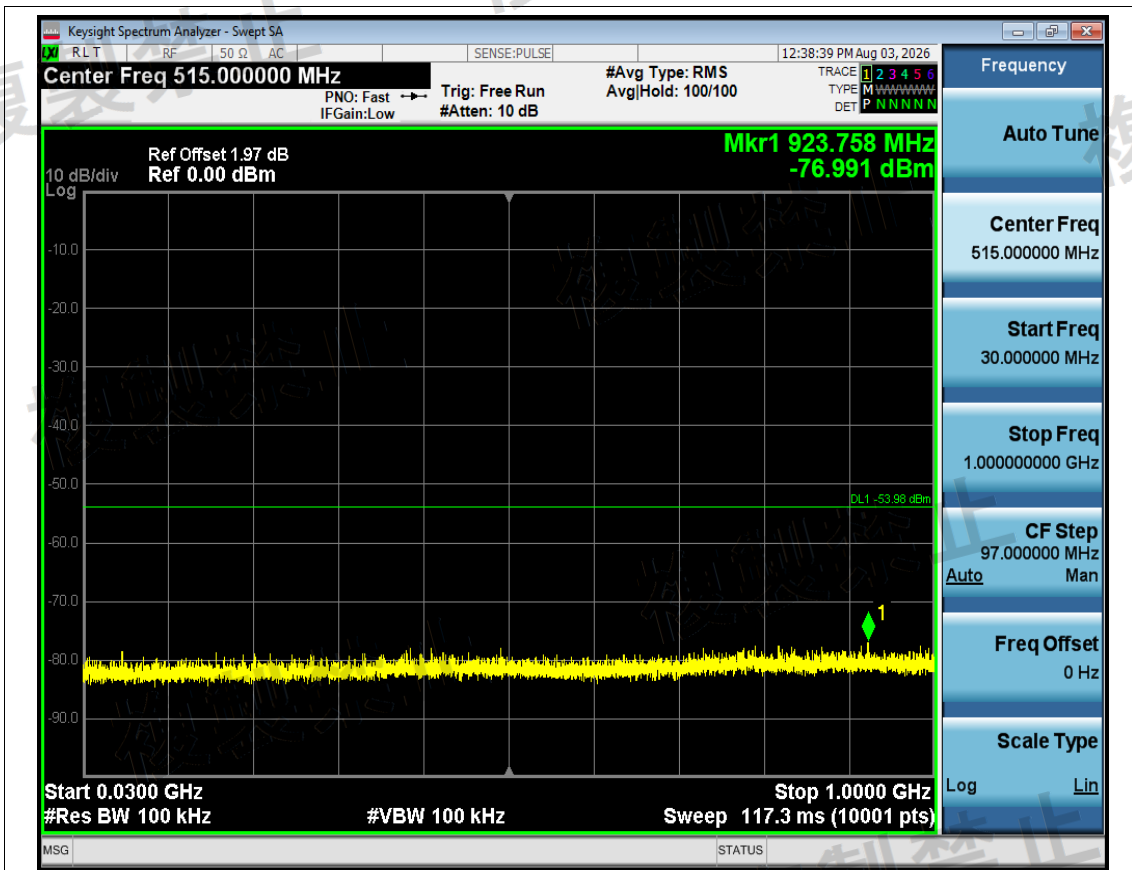
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-13000MHz



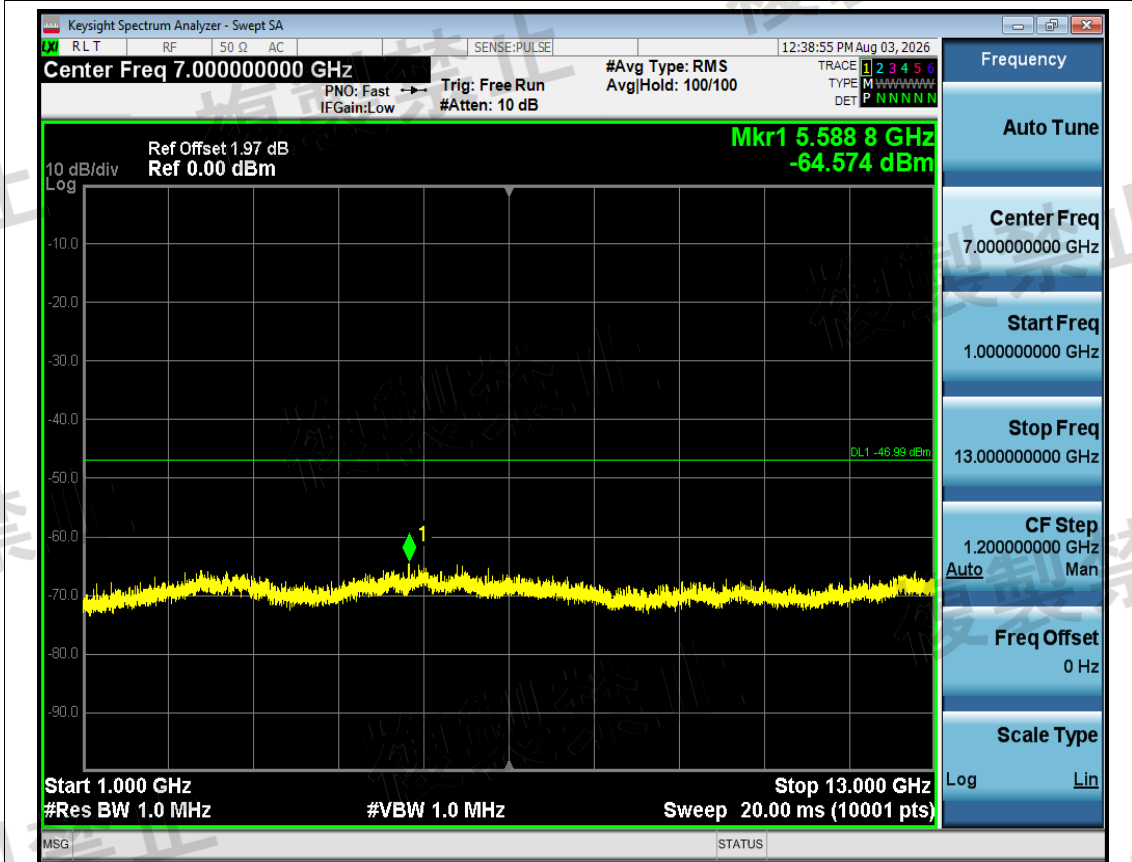
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



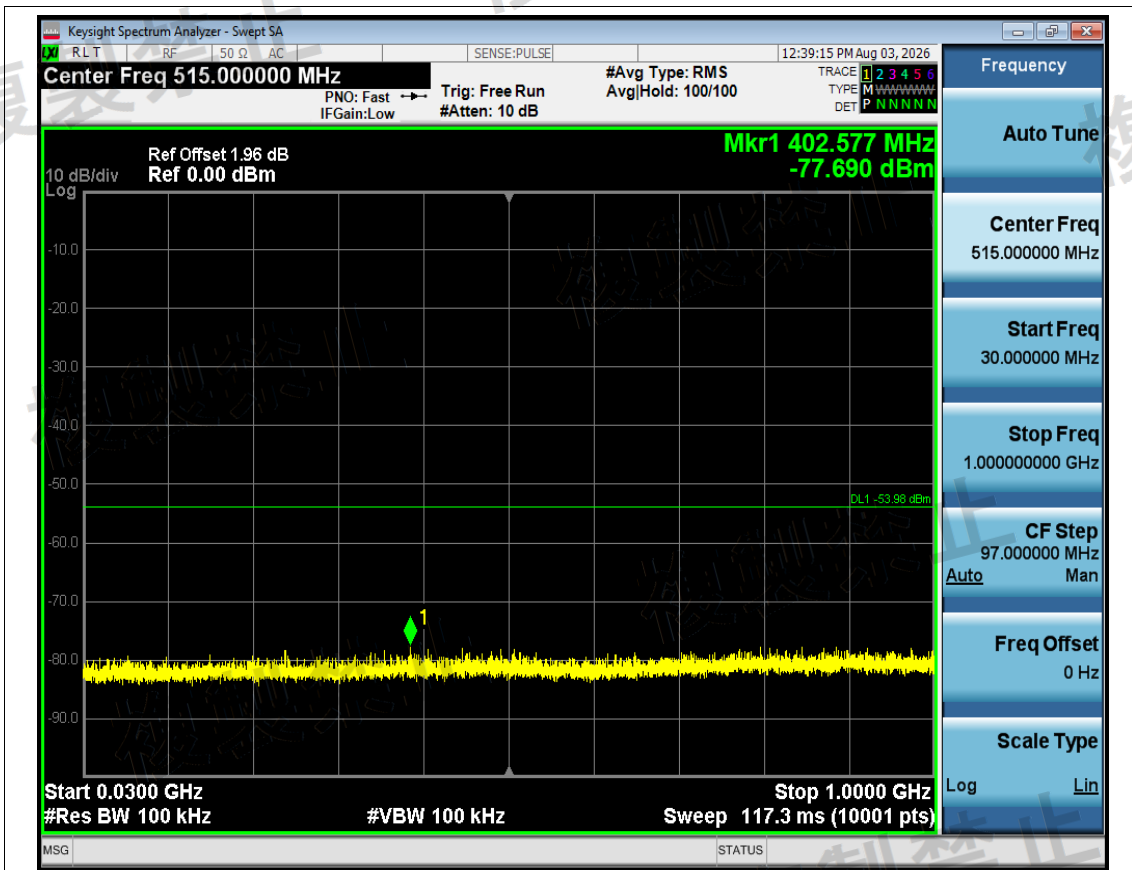
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-13000MHz



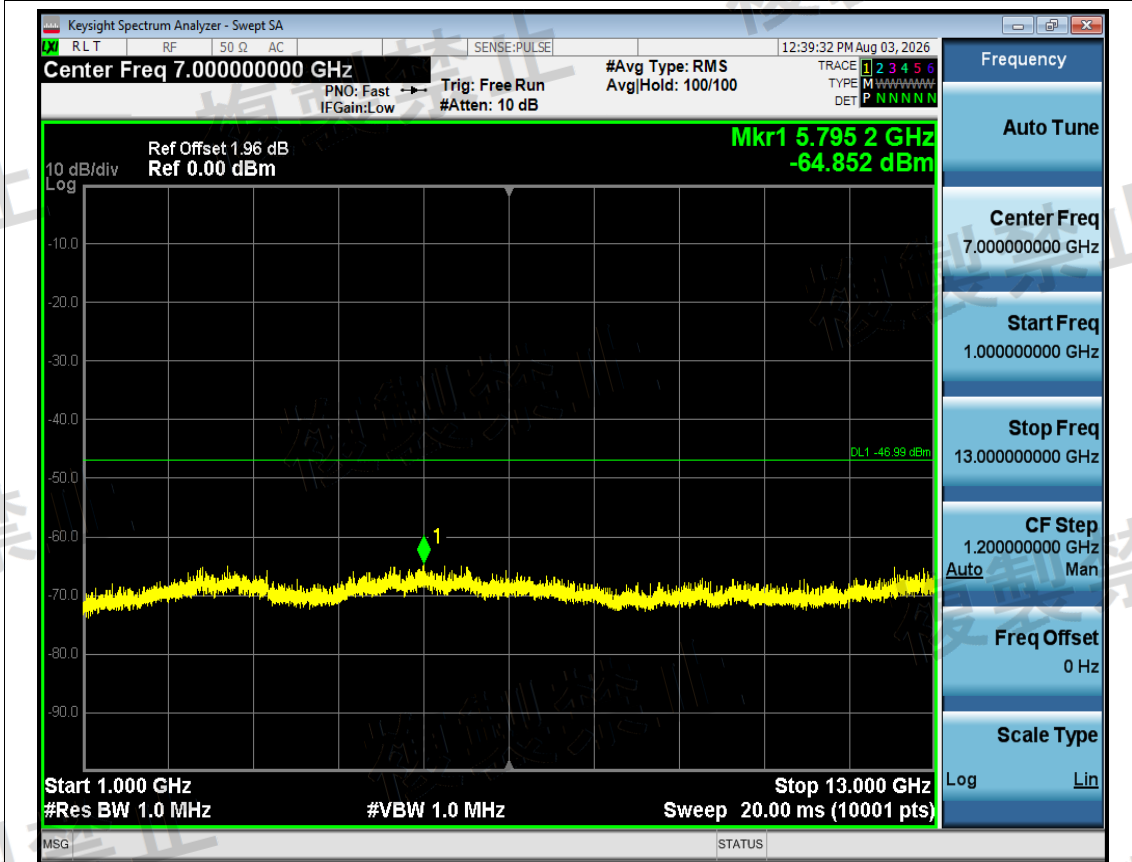
Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



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