



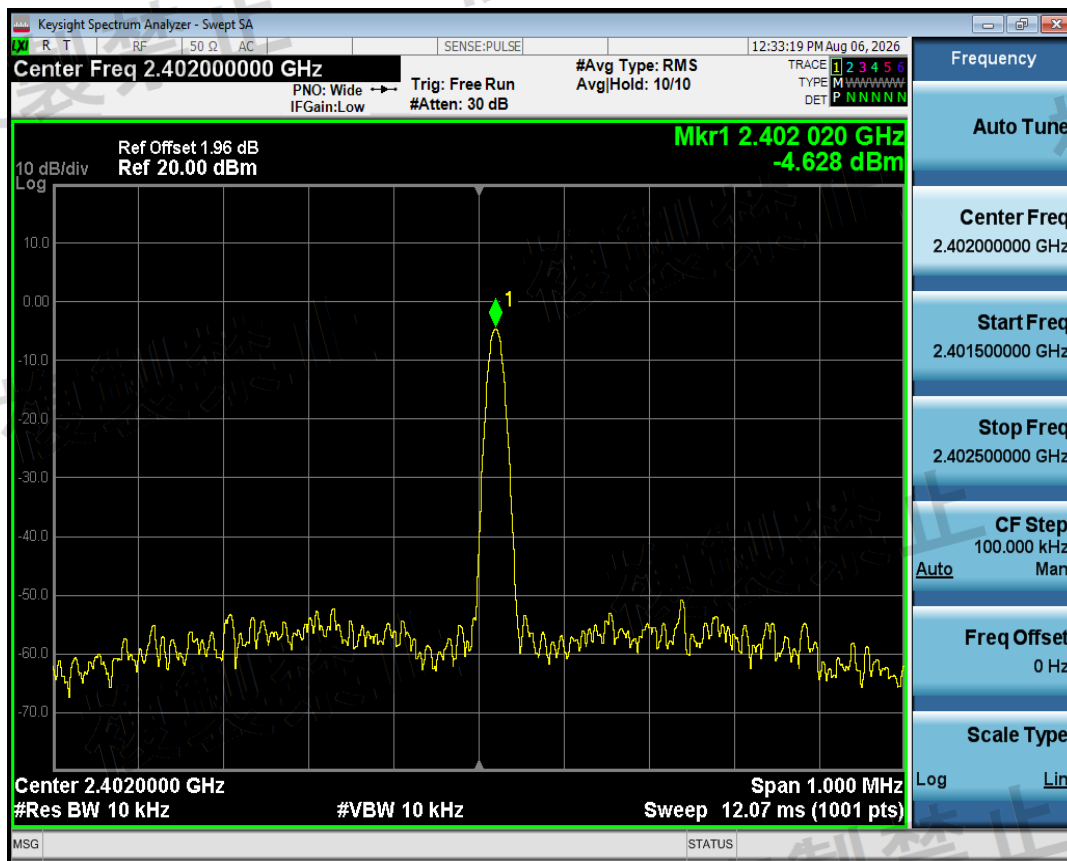
RF Test Data

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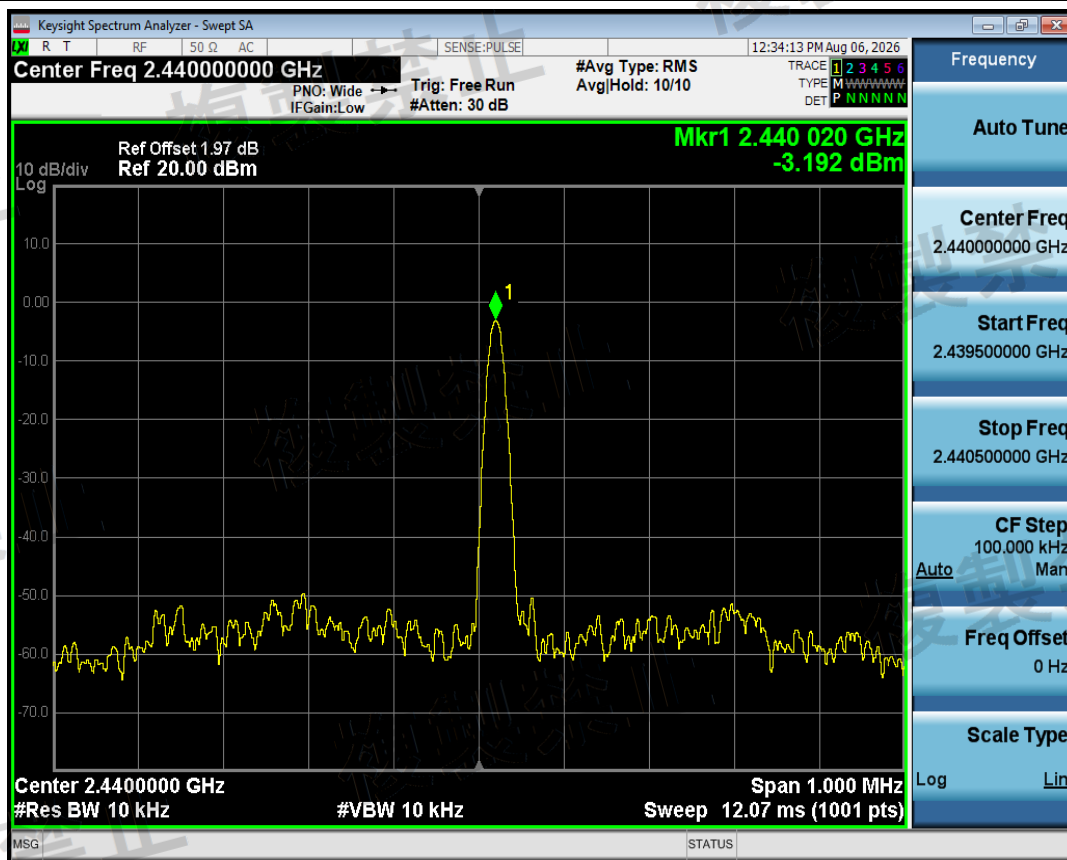


Frequency Error

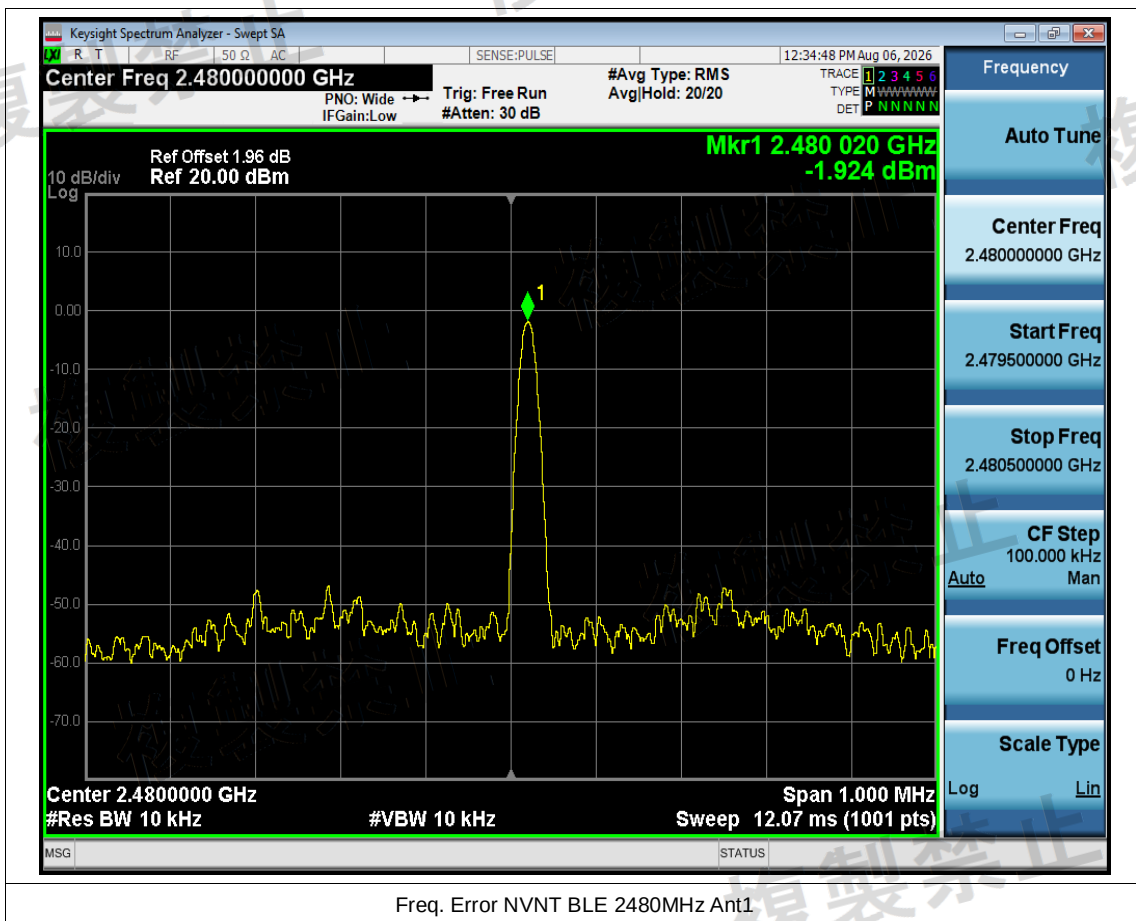
Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2402	Ant1	2402.02	20000	8.33	50	Pass
NVNT	2440	Ant1	2440.02	20000	8.2	50	Pass
NVNT	2480	Ant1	2480.02	20000	8.06	50	Pass



Freq. Error NVNT BLE 2402MHz Ant1



Freq. Error NVNT BLE 2440MHz 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	2.47	1.766	10	3	-41.13	20	Pass
NVNT	BLE 1M	2440	Ant1	3.37	2.173	10	3	-27.57	20	Pass
NVNT	BLE 1M	2480	Ant1	0.21	1.05	10	3	-65	20	Pass
NVNT	BLE 2M	2402	Ant1	0.51	1.125	10	3	-62.5	20	Pass
NVNT	BLE 2M	2440	Ant1	2.66	1.845	10	3	-38.5	20	Pass
NVNT	BLE 2M	2480	Ant1	0.61	1.151	10	3	-61.63	20	Pass



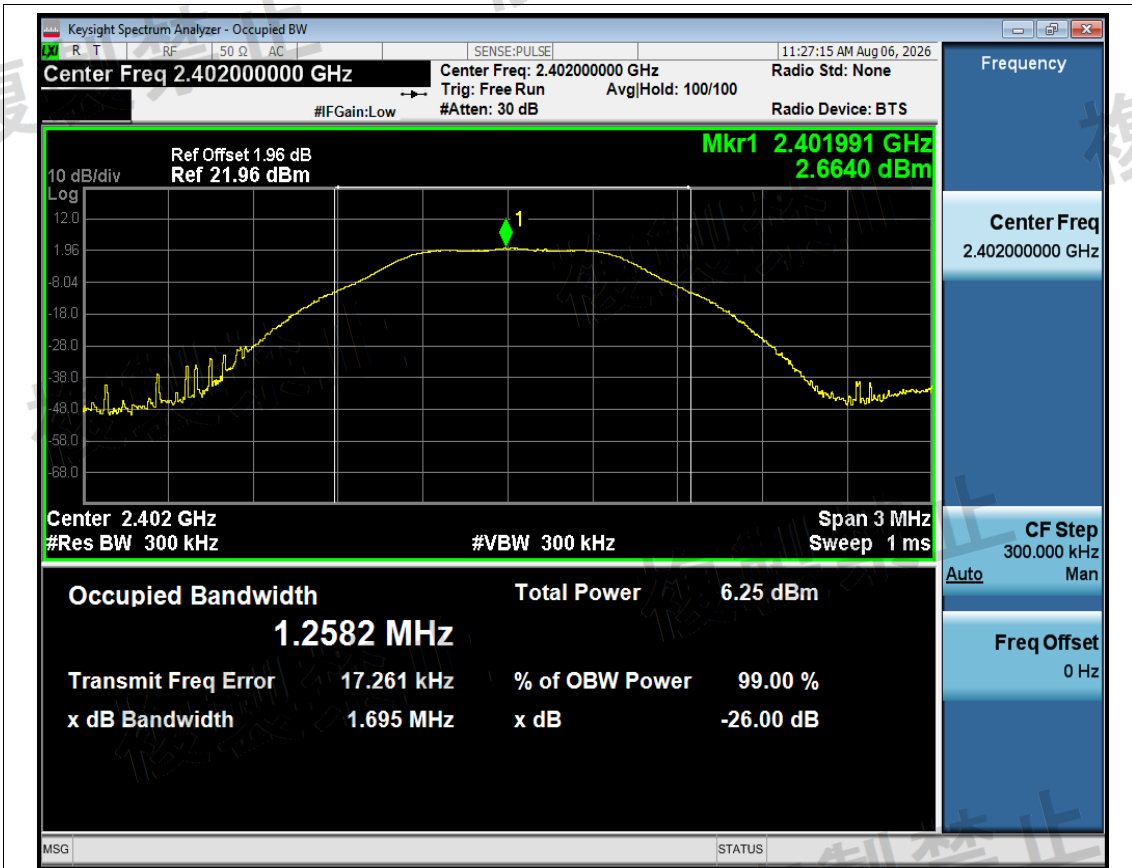
EIRP Power

Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.766	2.47	-1.61	0.86	12.14	Pass
NVNT	BLE 1M	2440	Ant1	2.173	3.37	-1.61	1.76	12.14	Pass
NVNT	BLE 1M	2480	Ant1	1.05	0.21	-1.61	-1.4	12.14	Pass
NVNT	BLE 2M	2402	Ant1	1.125	0.51	-1.61	-1.1	12.14	Pass
NVNT	BLE 2M	2440	Ant1	1.845	2.66	-1.61	1.05	12.14	Pass
NVNT	BLE 2M	2480	Ant1	1.151	0.61	-1.61	-1	12.14	Pass

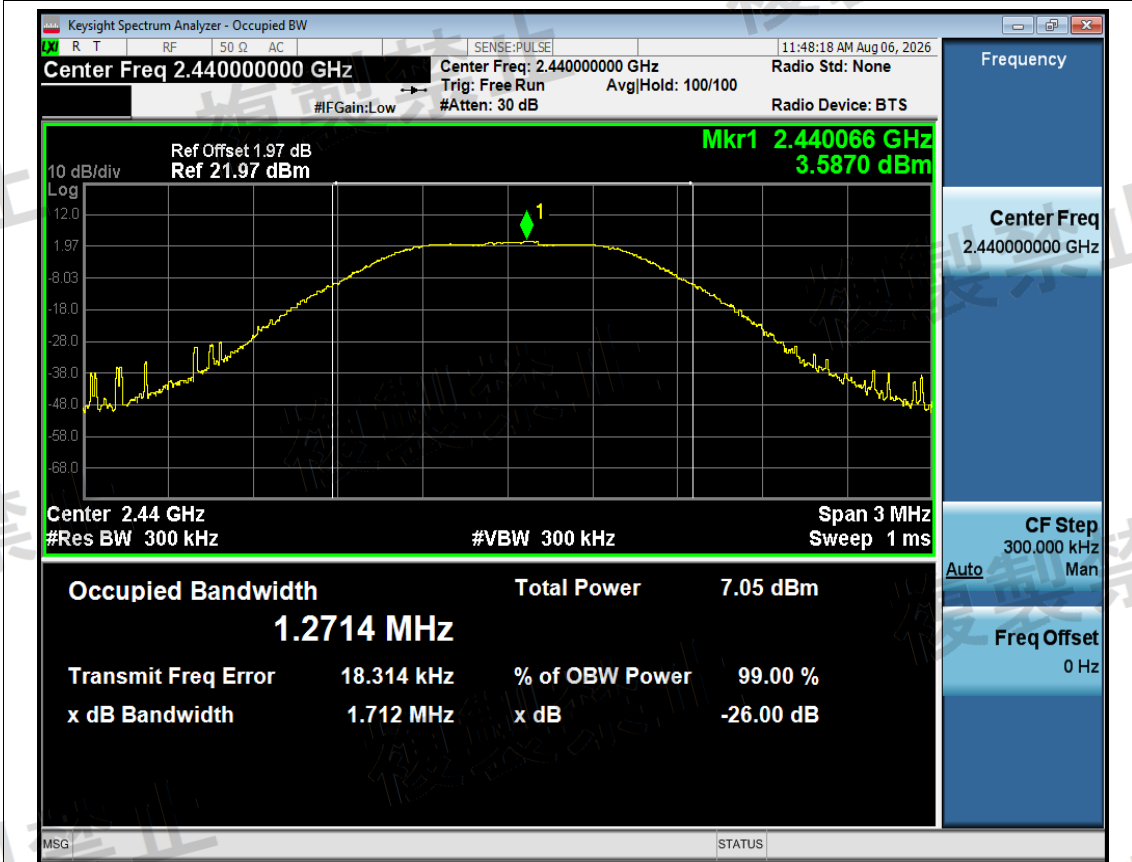


Occupied Channel Bandwidth

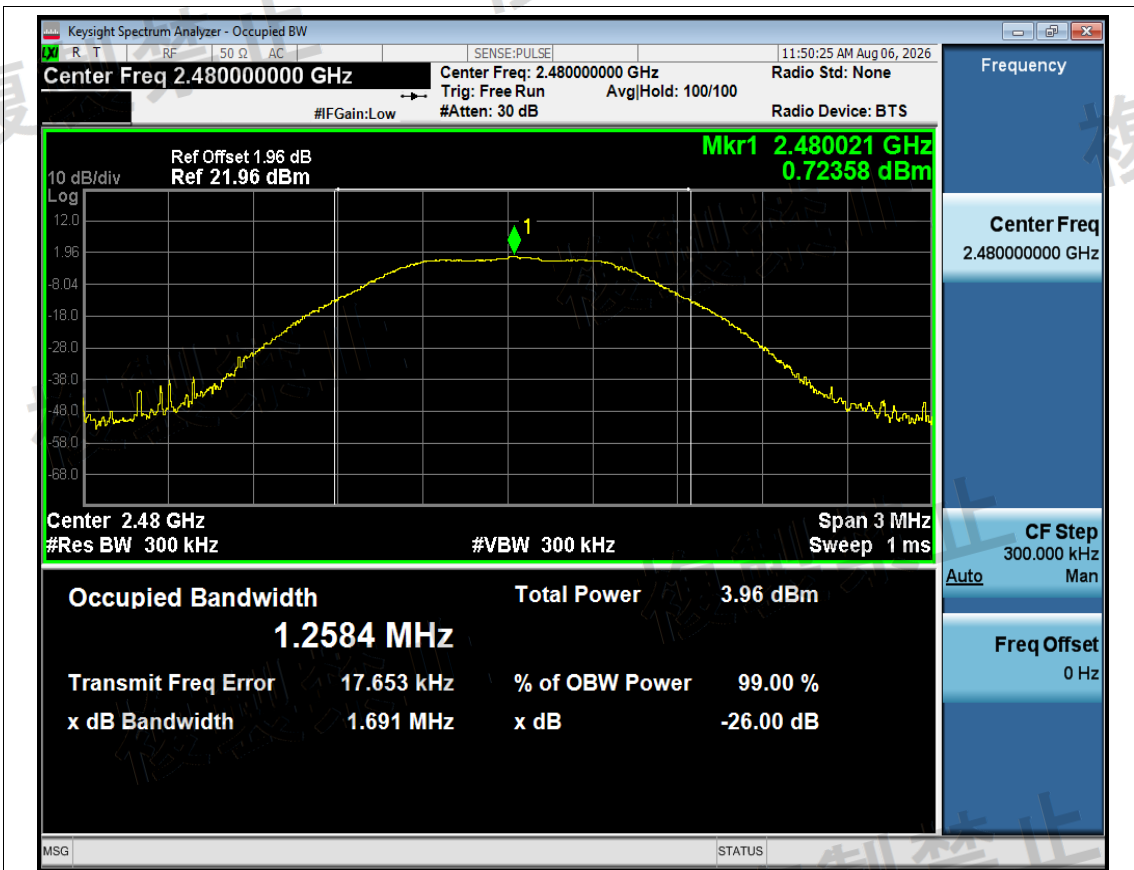
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1.2582	N/A	26	Pass
NVNT	BLE 1M	2440	Ant1	1.2714	N/A	26	Pass
NVNT	BLE 1M	2480	Ant1	1.2584	N/A	26	Pass
NVNT	BLE 2M	2402	Ant1	2.1725	N/A	26	Pass
NVNT	BLE 2M	2440	Ant1	2.19	N/A	26	Pass
NVNT	BLE 2M	2480	Ant1	2.1913	N/A	26	Pass



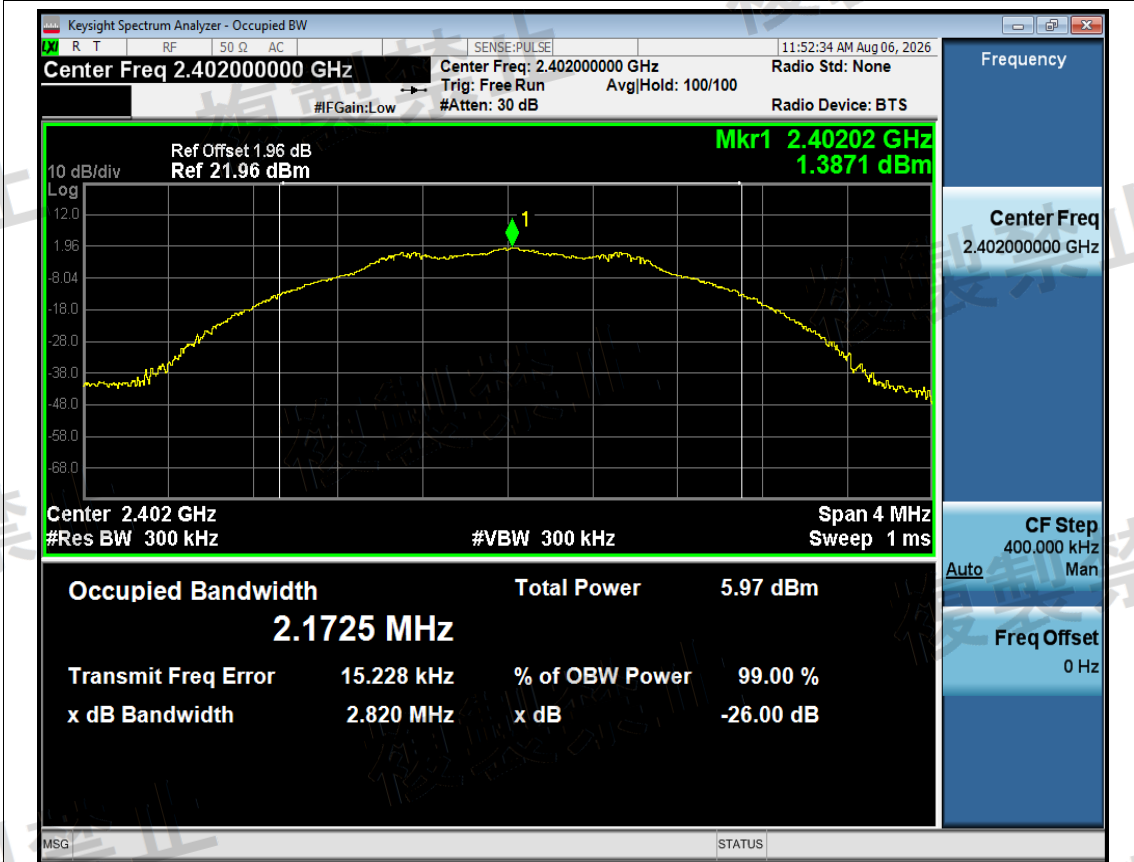
OBW NVNT BLE 1M 2402MHz Ant1



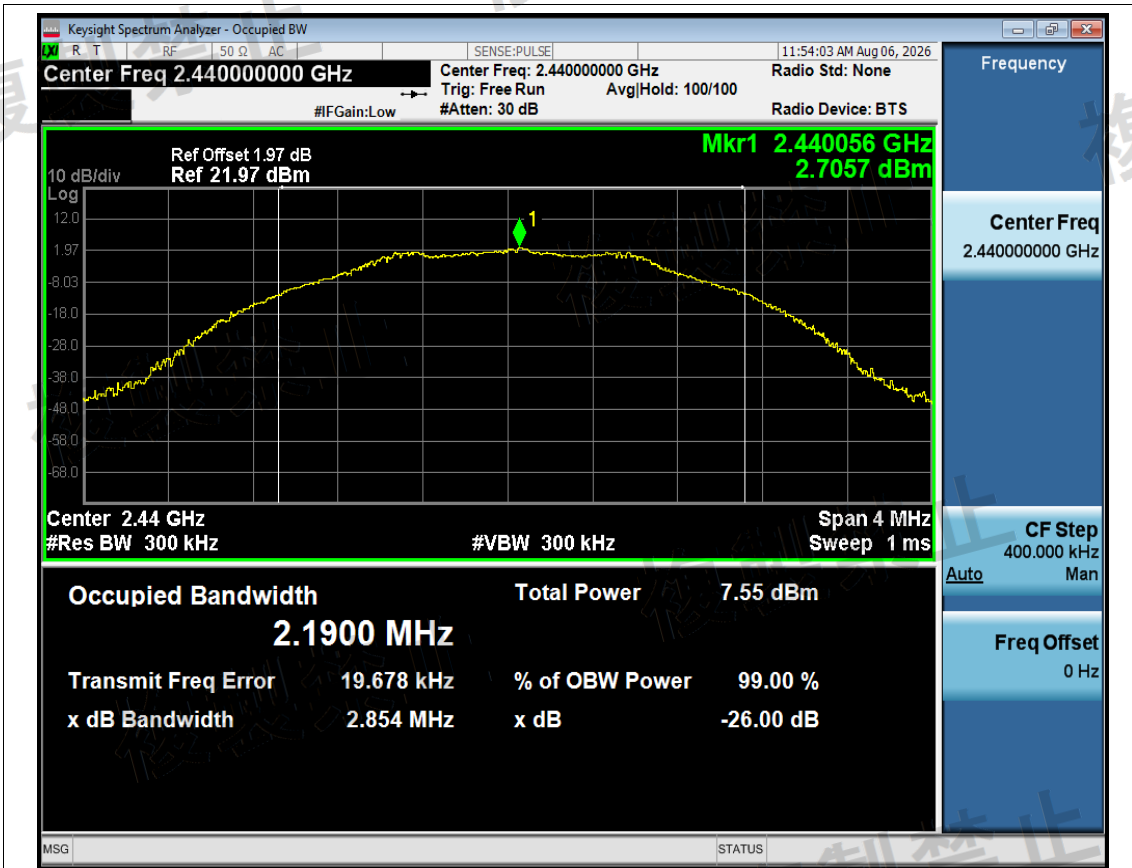
OBW NVNT BLE 1M 2440MHz Ant1



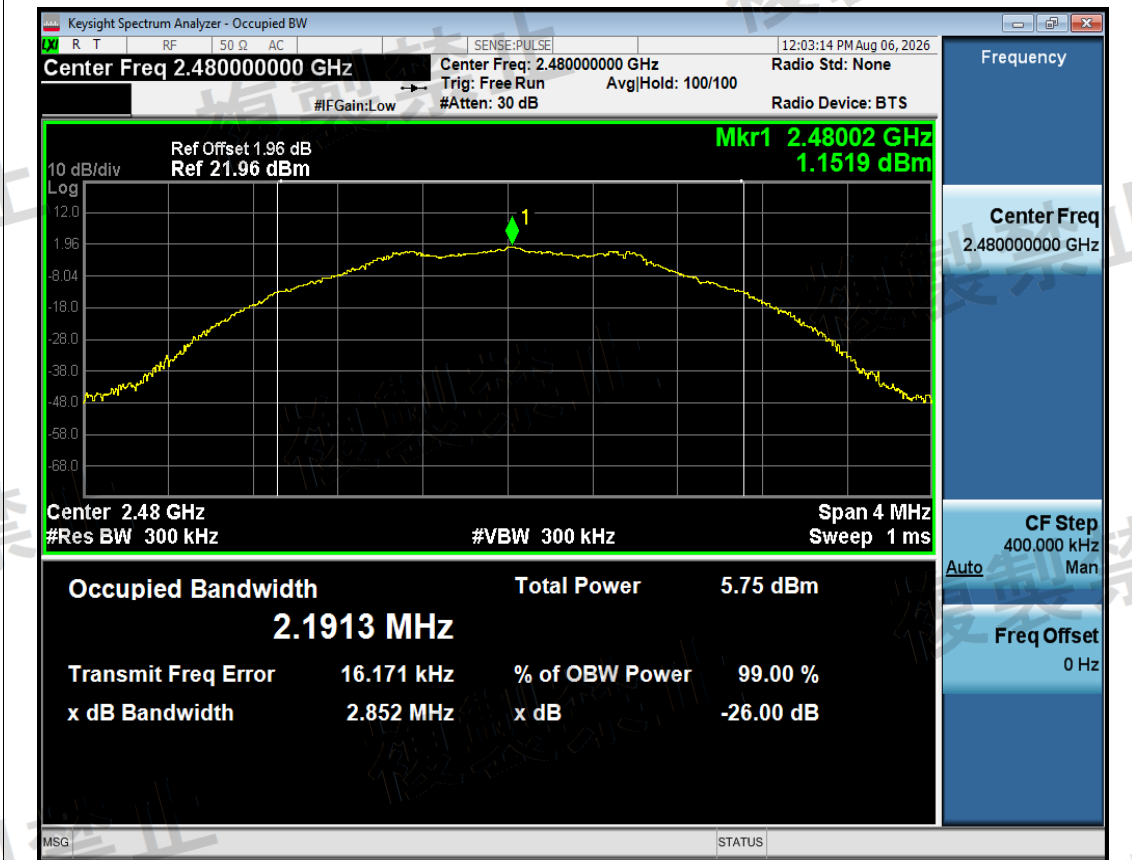
OBW NVNT BLE 1M 2480MHz Ant1



OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2440MHz Ant1



OBW NVNT BLE 2M 2480MHz Ant1

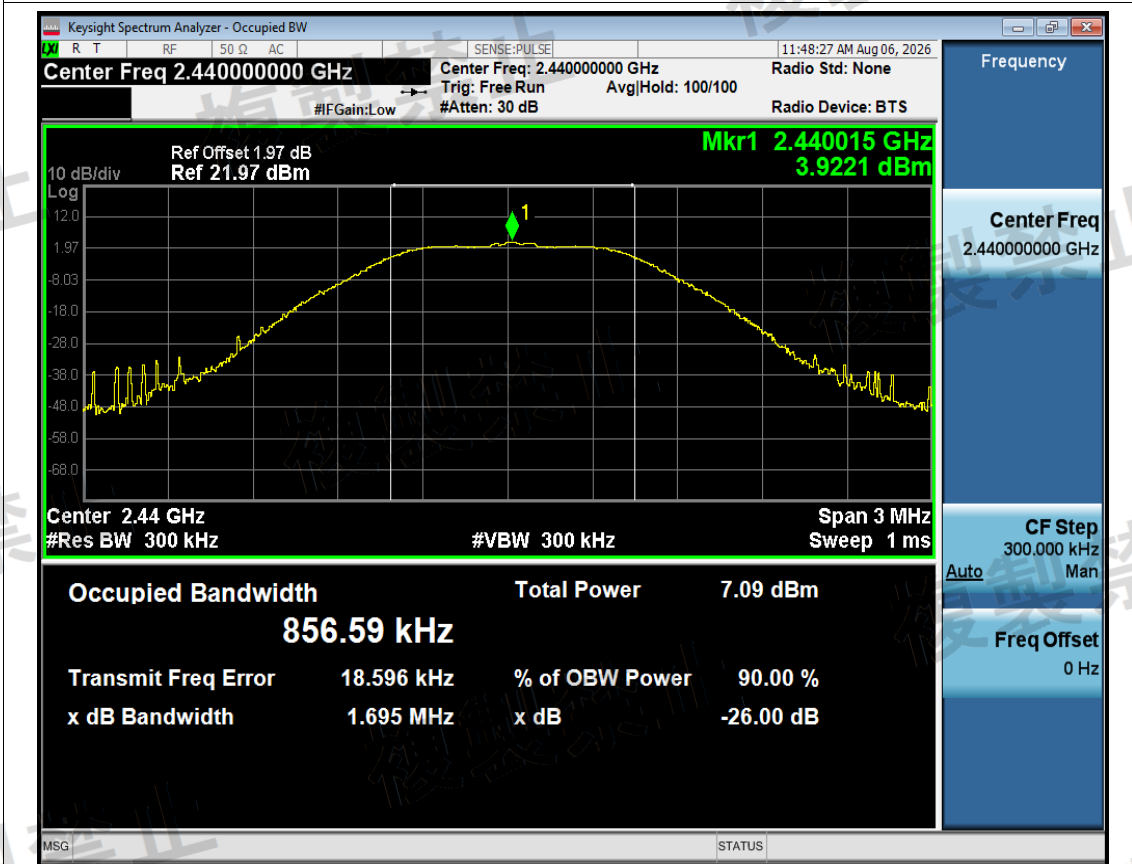


Spreading Bandwidth

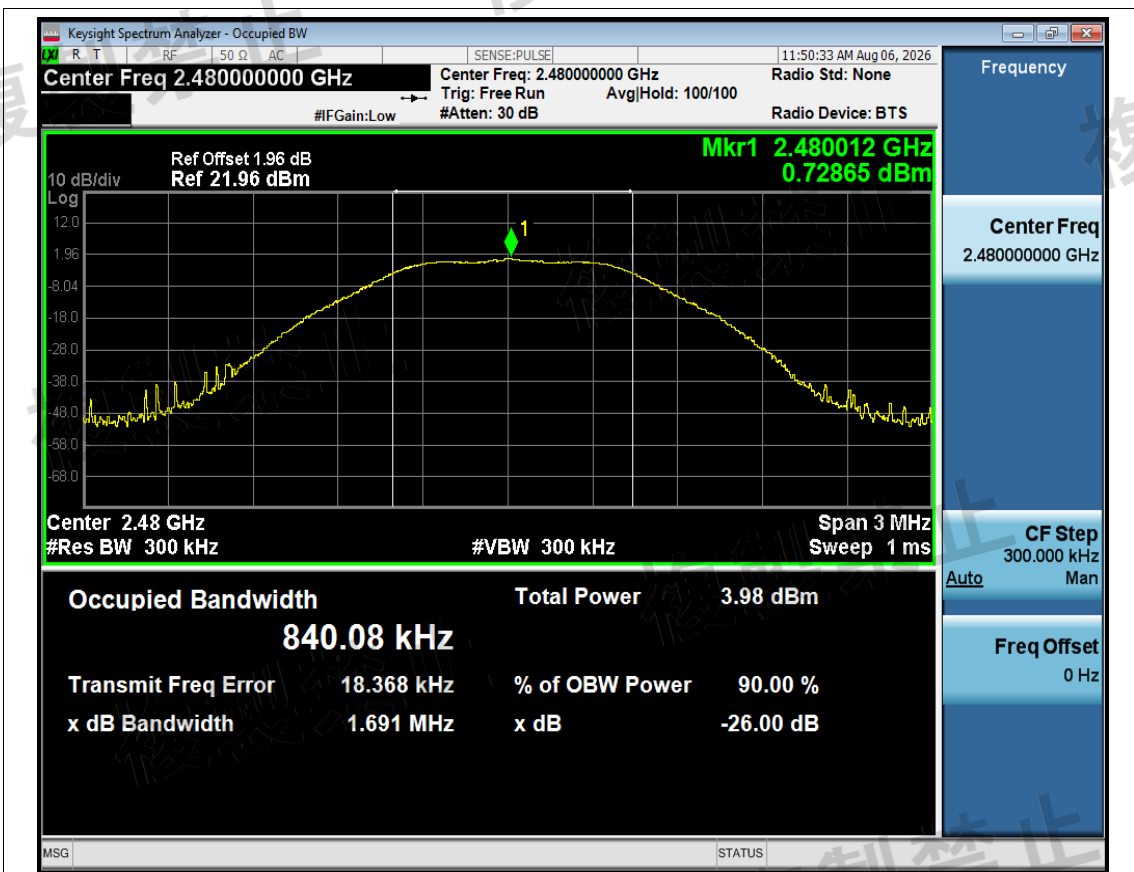
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	0.81874
NVNT	BLE 1M	2440	Ant1	0.85659
NVNT	BLE 1M	2480	Ant1	0.84008
NVNT	BLE 2M	2402	Ant1	1.3766
NVNT	BLE 2M	2440	Ant1	1.3963
NVNT	BLE 2M	2480	Ant1	1.3876



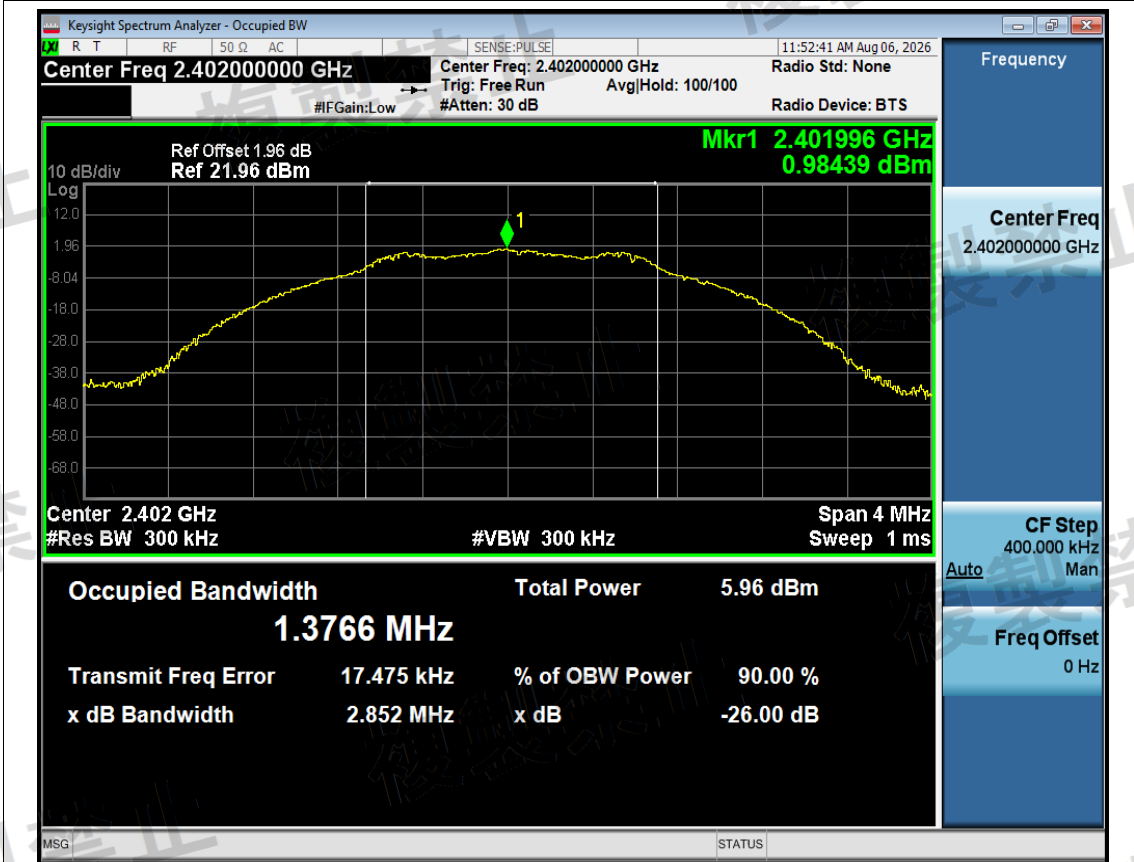
Spreading Bandwidth NVNT BLE 1M 2402MHz Ant1



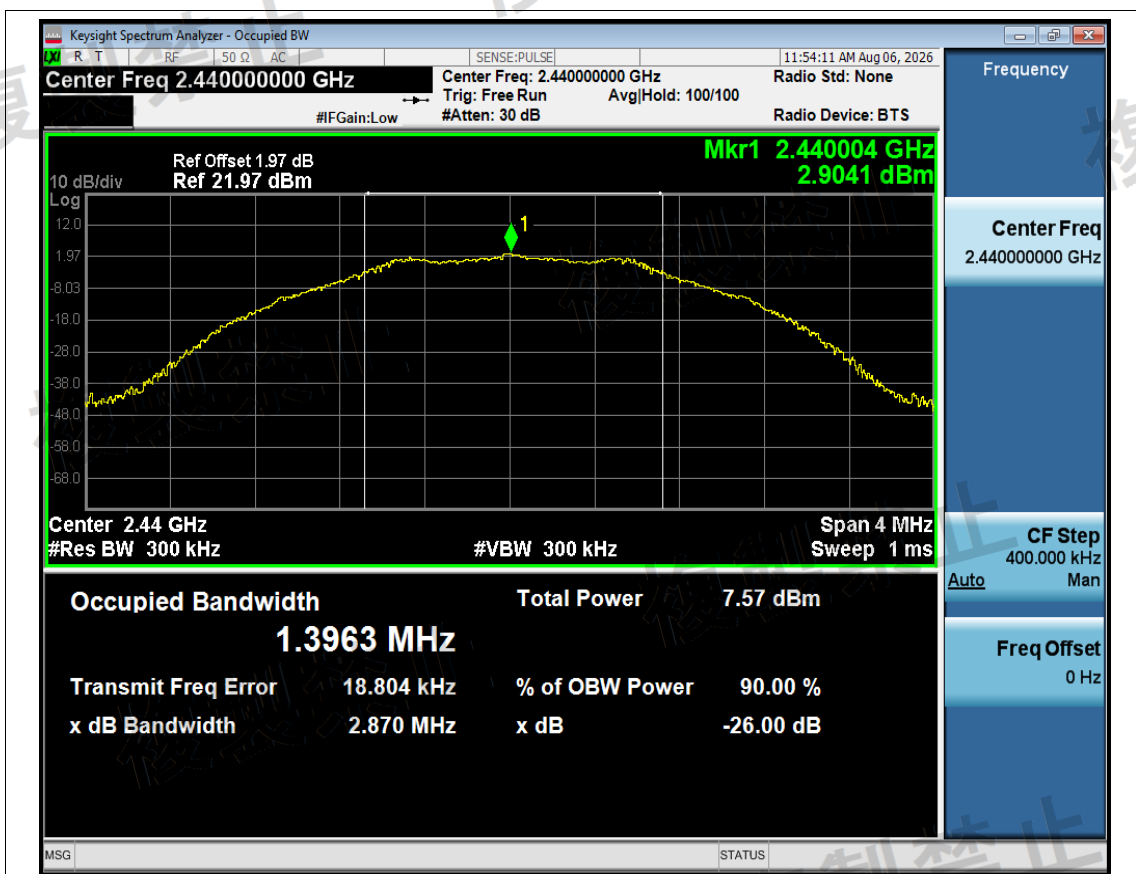
Spreading Bandwidth NVNT BLE 1M 2440MHz Ant1



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

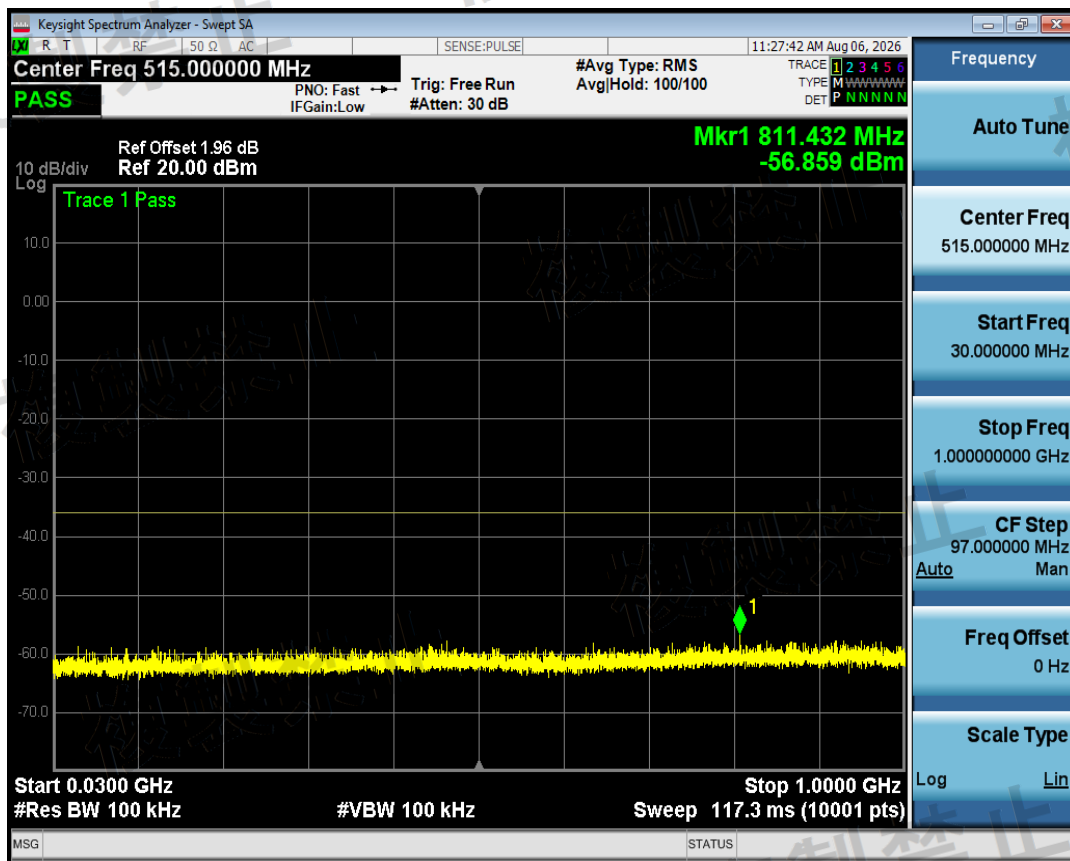
Condi- tion	Mo- de	Frequ- ency (MHz)	Ante- nna	Range (MHz)	Emis- sion Frequ- ency (MHz)	Max Peak Value (dBm/ MHz)	Max RMS Value (dBm/ MHz)	Max Peak Value (uW/ MHz)	Max RMS Value (uW/ MHz)	Limit Start(u W/MHz)	Limit Stop (uW/ MHz)	Ver- dict
NVN T E 1M	BL	2402	Ant1	30-1000	811.4 3	-56.85	NA	0.002 1	NA	0.25	0.25	Pas s
NVN T E 1M	BL	2402	Ant1	1000-23 87	2246. 64	-46.66	NA	0.021 6	NA	2.5	2.5	Pas s
NVN T E 1M	BL	2402	Ant1	2387-24 00	2399. 99	-34.18	NA	0.381 9	NA	25	25	Pas s
NVN T E 1M	BL	2402	Ant1	2483.5- 2496.5	2487. 90	-46.45	NA	0.022 6	NA	25	25	Pas s
NVN T E 1M	BL	2402	Ant1	2496.5- 13000	4804. 12	-37.57	NA	0.175	NA	2.5	2.5	Pas s
NVN T E 1M	BL	2440	Ant1	30-1000	915.9 0	-56.82	NA	0.002 1	NA	0.25	0.25	Pas s
NVN T E 1M	BL	2440	Ant1	1000-23 87	2333. 32	-46.75	NA	0.021 1	NA	2.5	2.5	Pas s
NVN T E 1M	BL	2440	Ant1	2387-24 00	2399. 97	-44.51	NA	0.035 4	NA	25	25	Pas s
NVN T E 1M	BL	2440	Ant1	2483.5- 2496.5	2492. 86	-45.71	NA	0.026 9	NA	25	25	Pas s
NVN T E 1M	BL	2440	Ant1	2496.5- 13000	4879. 74	-36.71	NA	0.213 3	NA	2.5	2.5	Pas s
NVN T E 1M	BL	2480	Ant1	30-1000	909.6 9	-57.05	NA	0.002	NA	0.25	0.25	Pas s
NVN T E 1M	BL	2480	Ant1	1000-23 87	2252. 88	-46.16	NA	0.024 2	NA	2.5	2.5	Pas s
NVN	BL	2480	Ant1	2387-24	2396.	-47.04	NA	0.019	NA	25	25	Pas



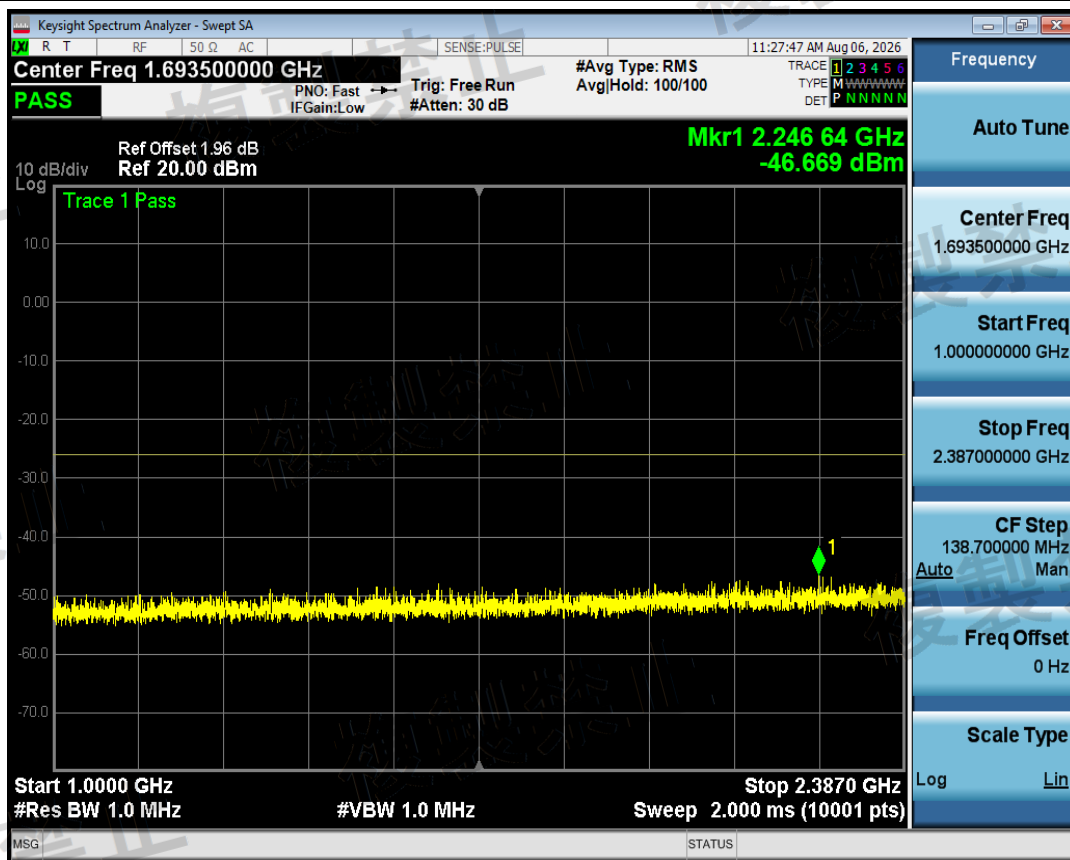
T	E			00	46			8				s
NVN	BL	2480	Ant1	2483.5-	2483.	-46.05	NA	0.024	NA	25	25	Pas
T	E			2496.5	52			8				s
	1M											
NVN	BL	2480	Ant1	2496.5-	4960.	-41.55	NA	0.07	NA	2.5	2.5	Pas
T	E			13000	62							s
	1M											
NVN	BL	2402	Ant1	30-1000	434.6	-57.77	NA	0.001	NA	0.25	0.25	Pas
T	E				8			7				s
	2M											
NVN	BL	2402	Ant1	1000-23	2237.	-46.18	NA	0.024	NA	2.5	2.5	Pas
T	E			87	48			1				s
	2M											
NVN	BL	2402	Ant1	2387-24	2400.	-24.21	NA	3.793	NA	25	25	Pas
T	E			00	00			1				s
	2M											
NVN	BL	2402	Ant1	2483.5-	2495.	-45.76	NA	0.026	NA	25	25	Pas
T	E			2496.5	35			5				s
	2M											
NVN	BL	2402	Ant1	2496.5-	4804.	-41.66	NA	0.068	NA	2.5	2.5	Pas
T	E			13000	12			2				s
	2M											
NVN	BL	2440	Ant1	30-1000	916.7	-57.22	NA	0.001	NA	0.25	0.25	Pas
T	E				7			9				s
	2M											
NVN	BL	2440	Ant1	1000-23	2046.	-46.31	NA	0.023	NA	2.5	2.5	Pas
T	E			87	49			4				s
	2M											
NVN	BL	2440	Ant1	2387-24	2399.	-46.09	NA	0.024	NA	25	25	Pas
T	E			00	65			6				s
	2M											
NVN	BL	2440	Ant1	2483.5-	2496.	-46.28	NA	0.023	NA	25	25	Pas
T	E			2496.5	28			6				s
	2M											
NVN	BL	2440	Ant1	2496.5-	4880.	-38.46	NA	0.142	NA	2.5	2.5	Pas
T	E			13000	79			6				s
	2M											
NVN	BL	2480	Ant1	30-1000	937.5	-56.75	NA	0.002	NA	0.25	0.25	Pas
T	E				3			1				s
	2M											
NVN	BL	2480	Ant1	1000-23	2272.	-46.17	NA	0.024	NA	2.5	2.5	Pas
T	E			87	85			2				s
	2M											



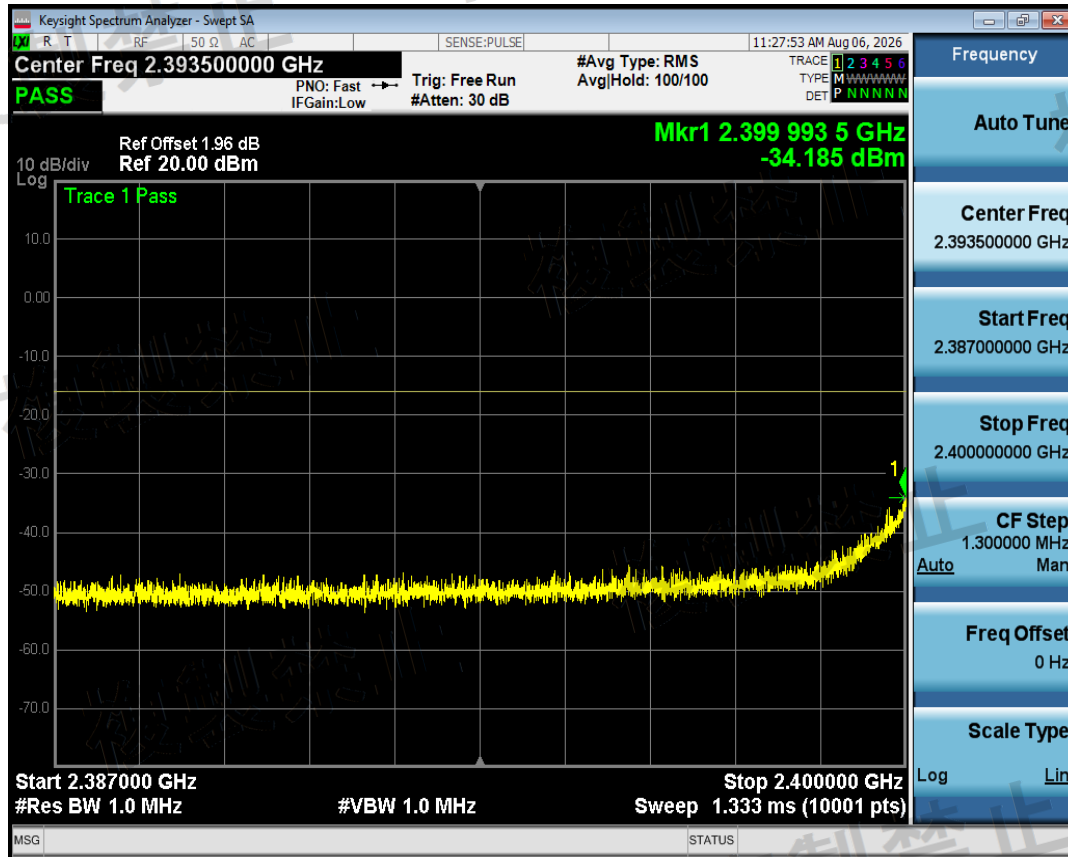
NVN T 2M	BL E 2M	2480	Ant1	2387-24 00	2393. 66	-46.41	NA	0.022 9	NA	25	25	Pas s
NVN T 2M	BL E 2M	2480	Ant1	2483.5- 2496.5	2484. 01	-44.77	NA	0.033 3	NA	25	25	Pas s
NVN T 2M	BL E 2M	2480	Ant1	2496.5- 13000	4960. 62	-43.11	NA	0.048 9	NA	2.5	2.5	Pas s



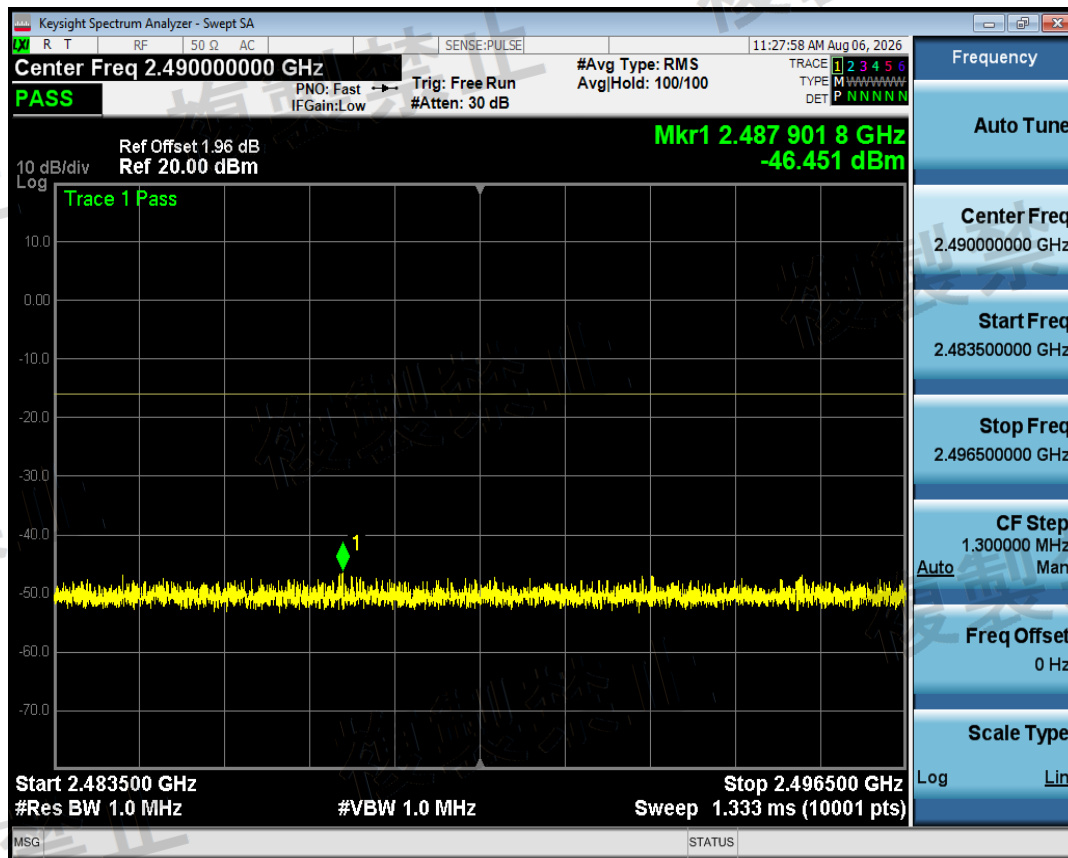
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



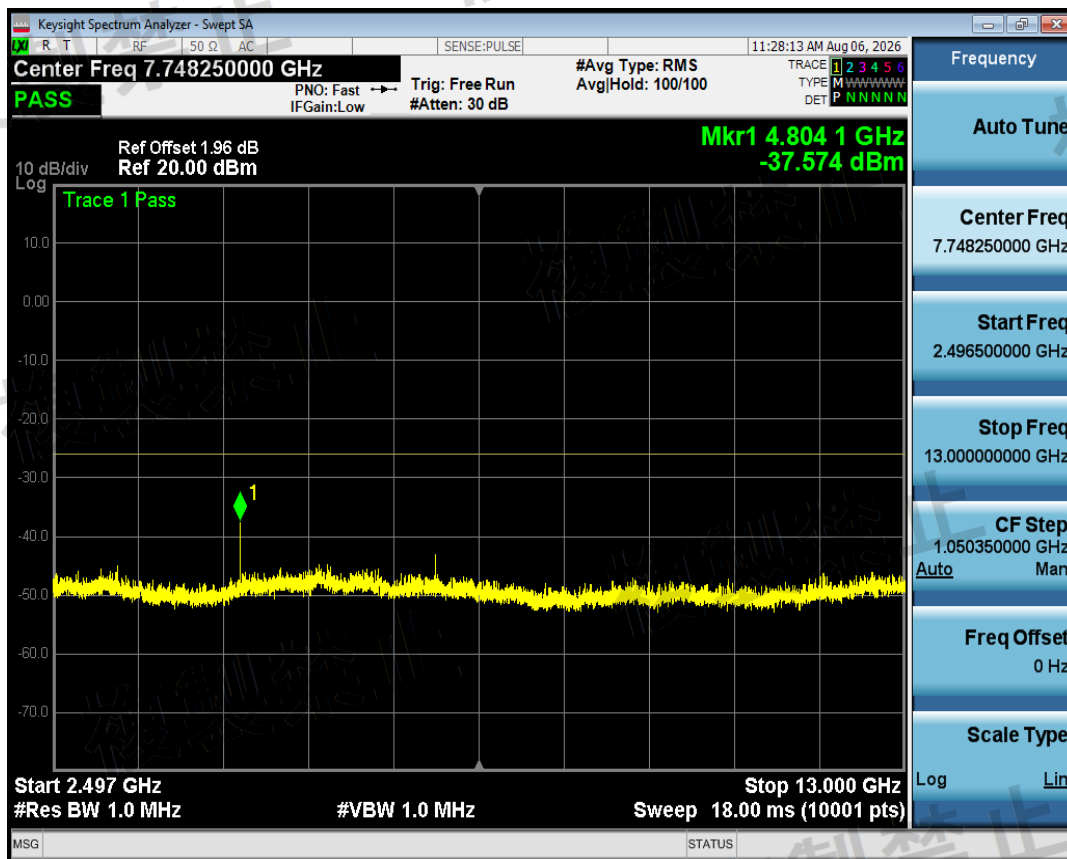
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz



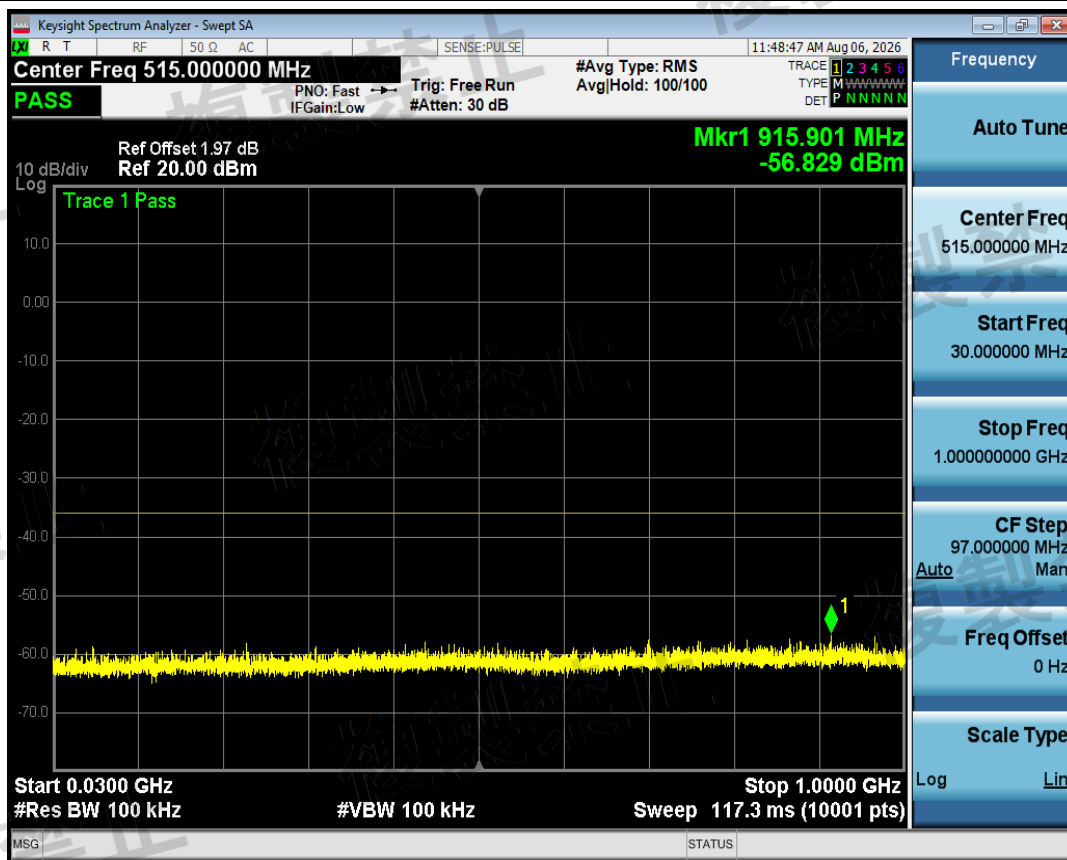
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz



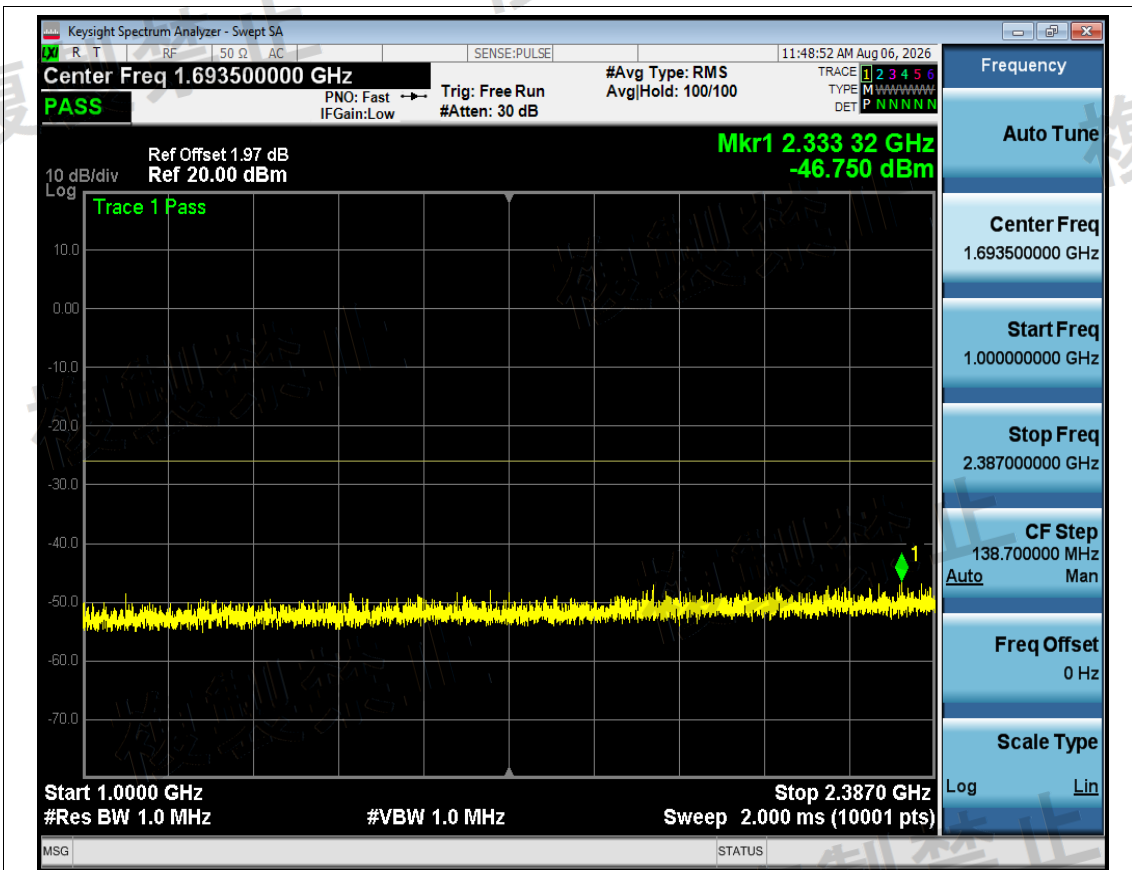
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



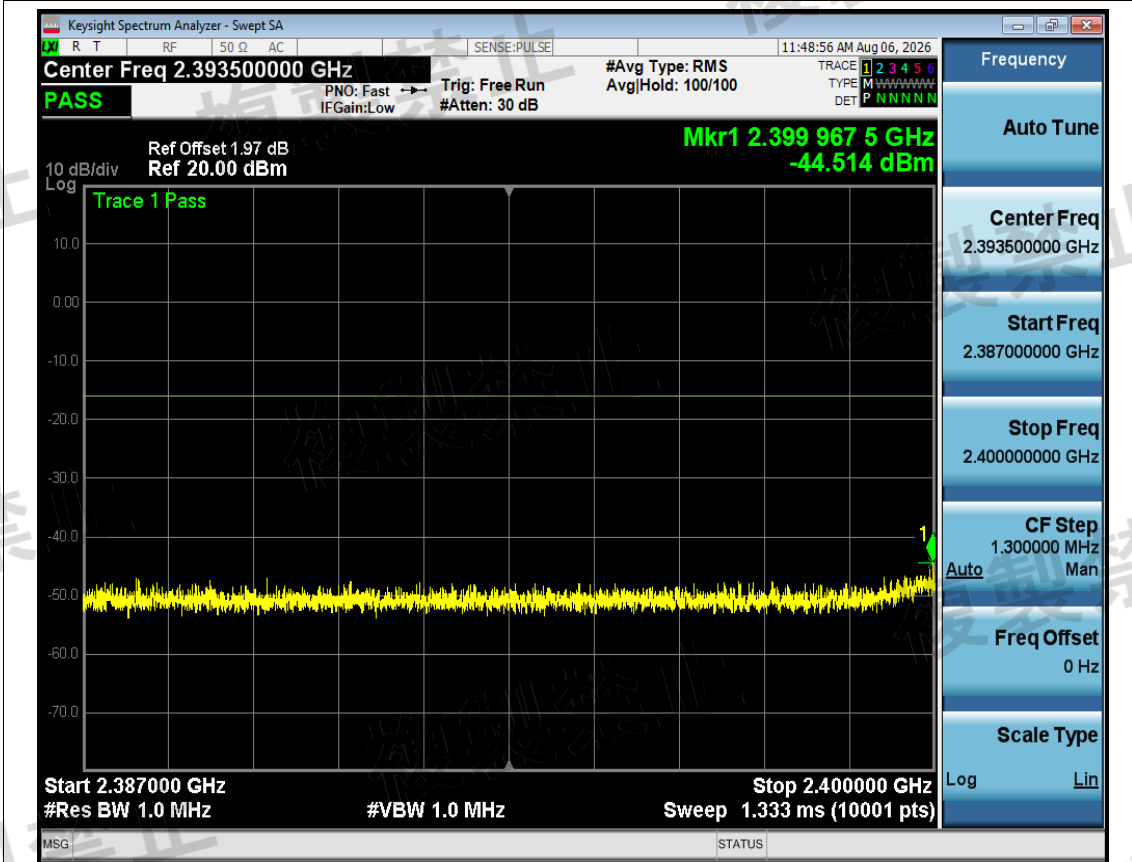
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



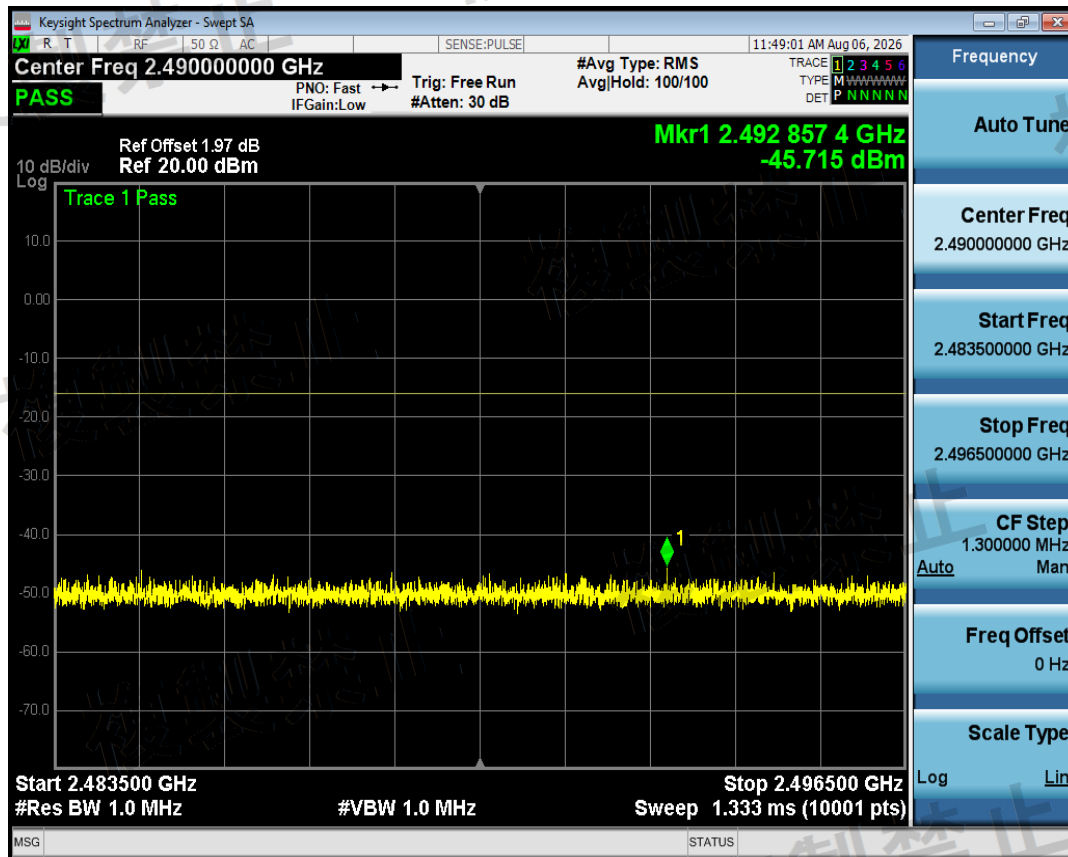
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



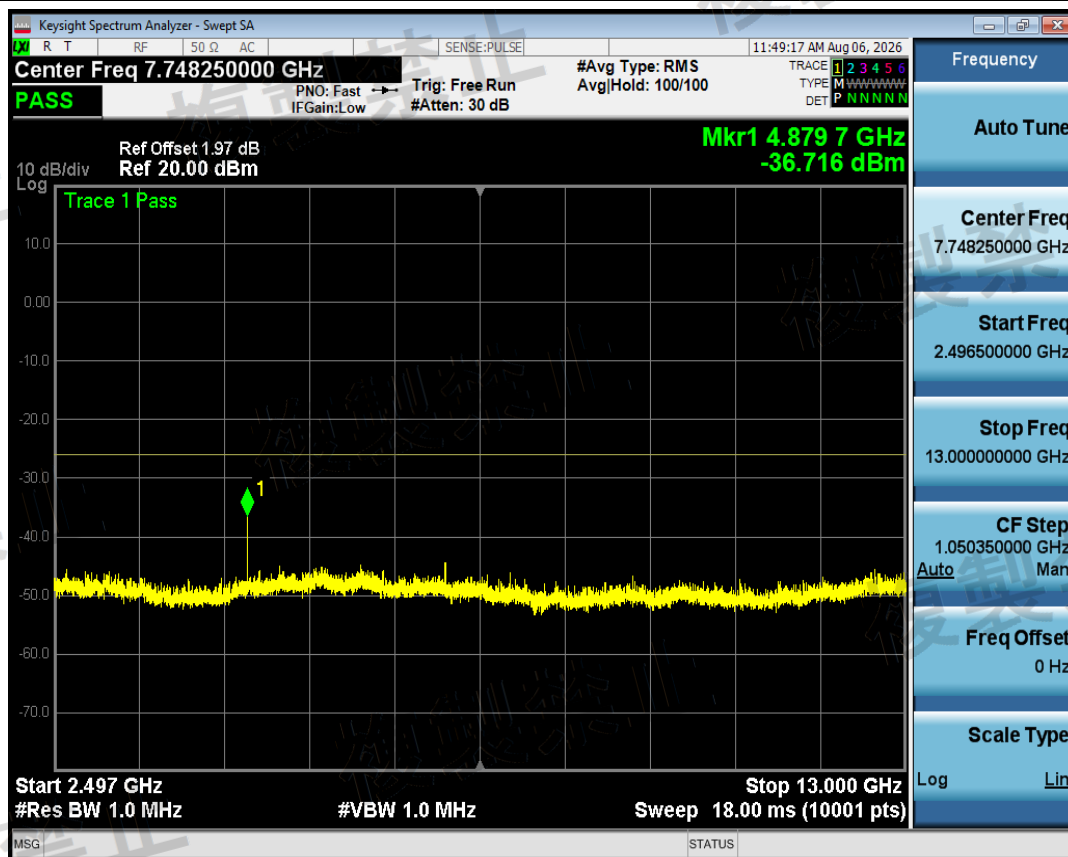
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-2387MHz



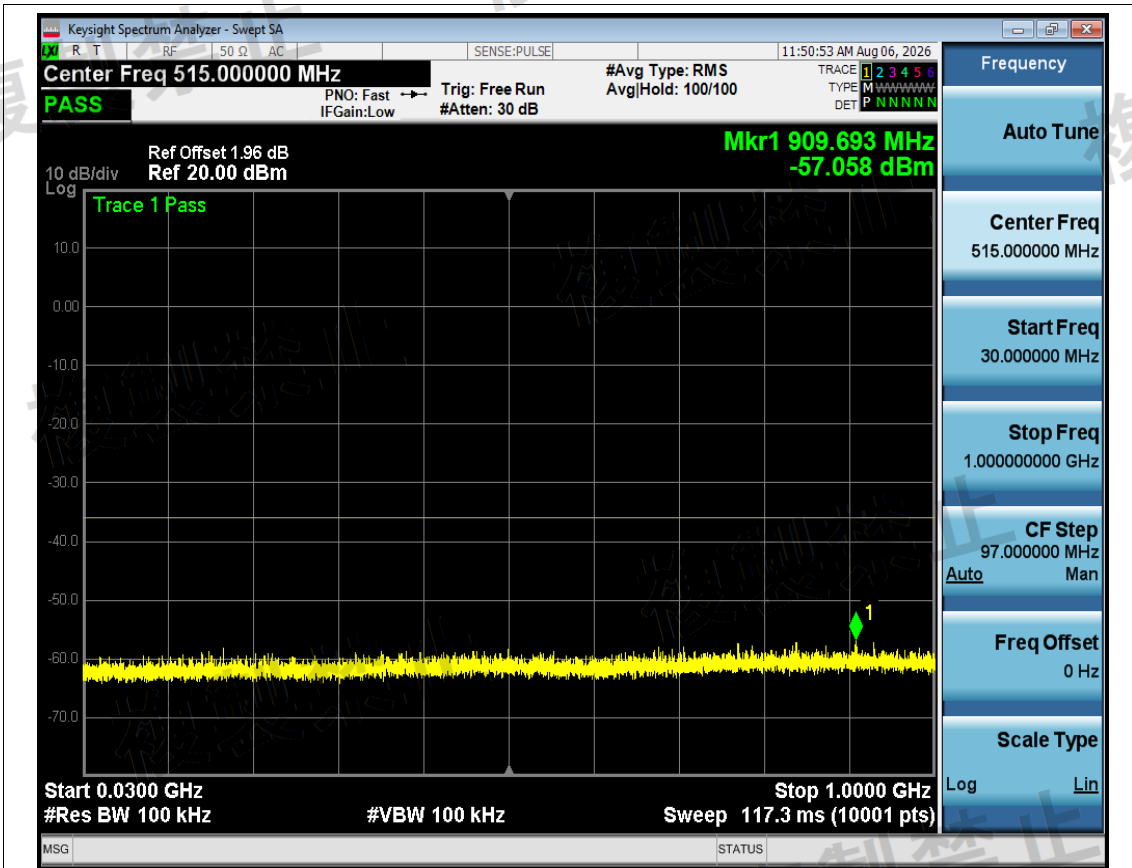
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2387MHz-2400MHz



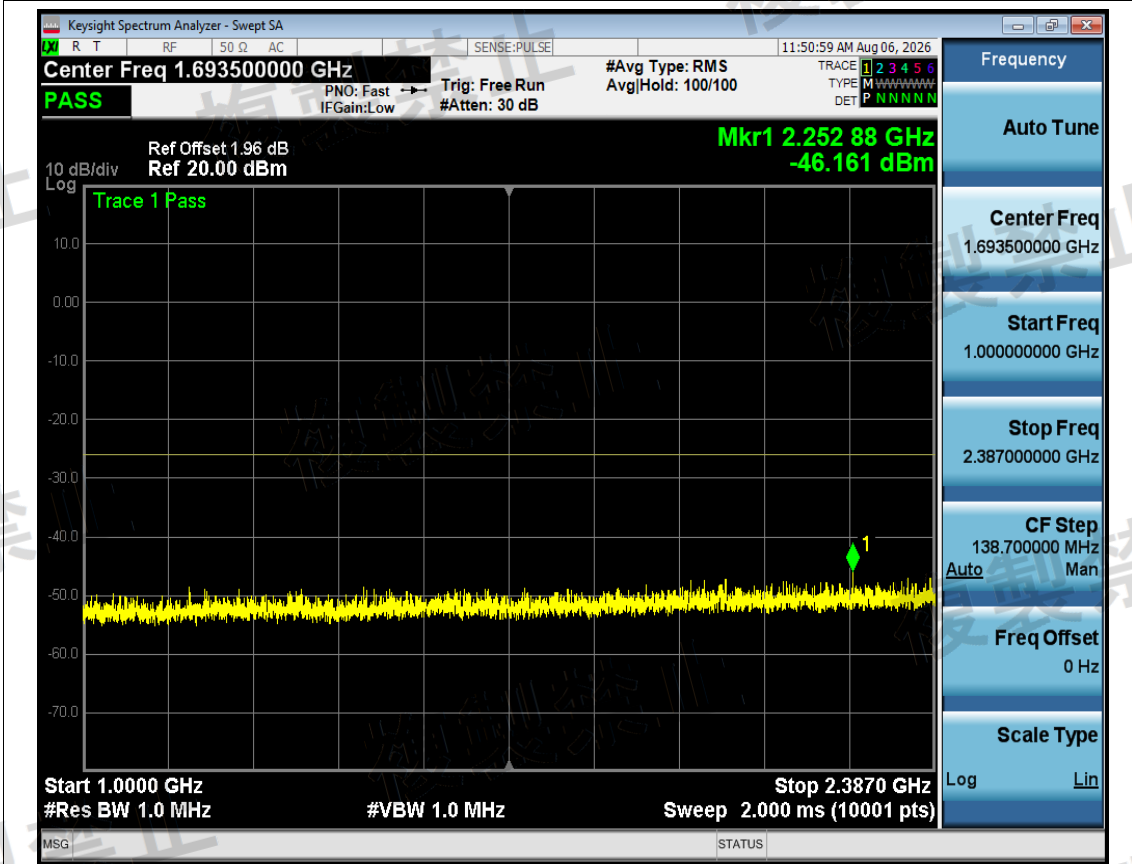
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



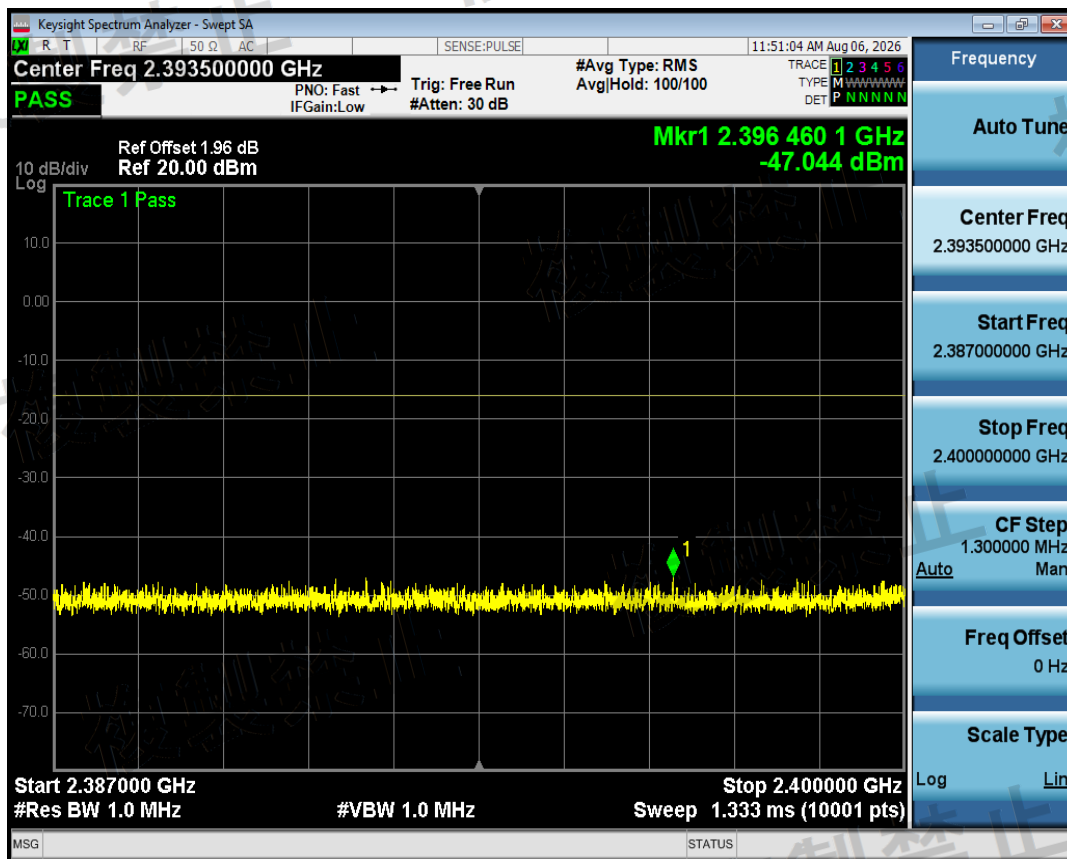
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2496.5MHz-13000MHz



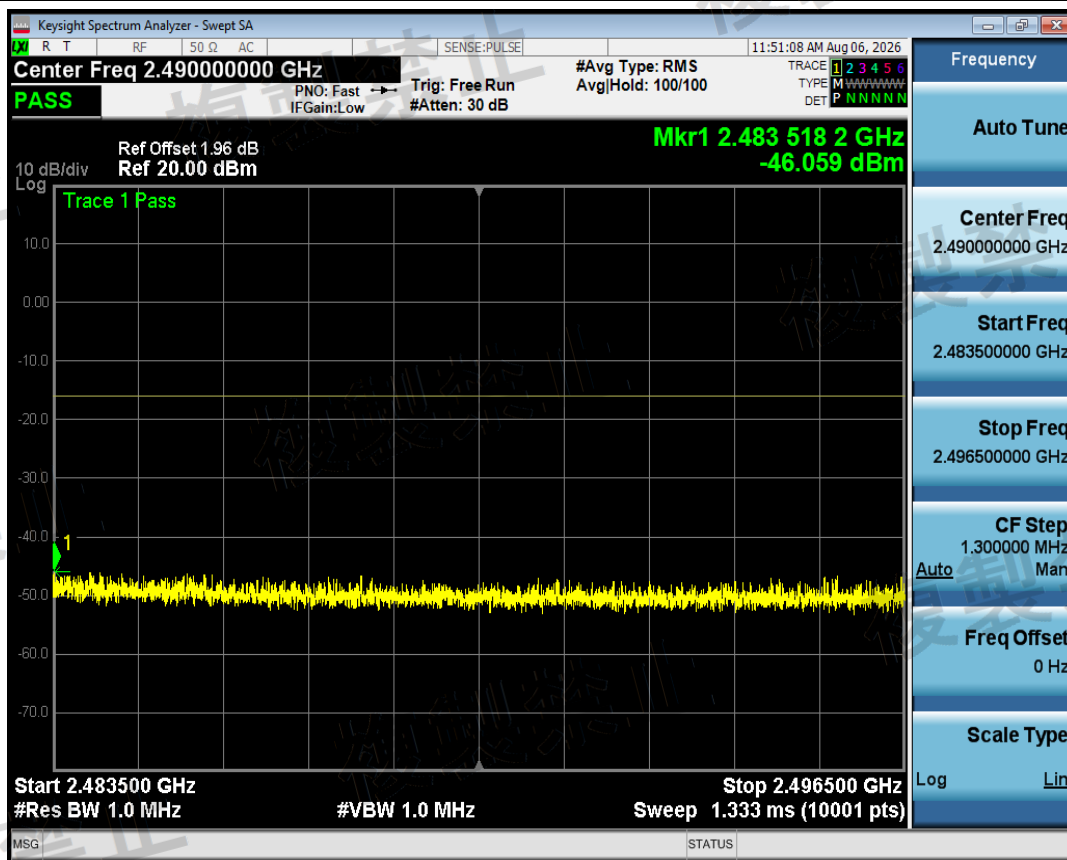
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



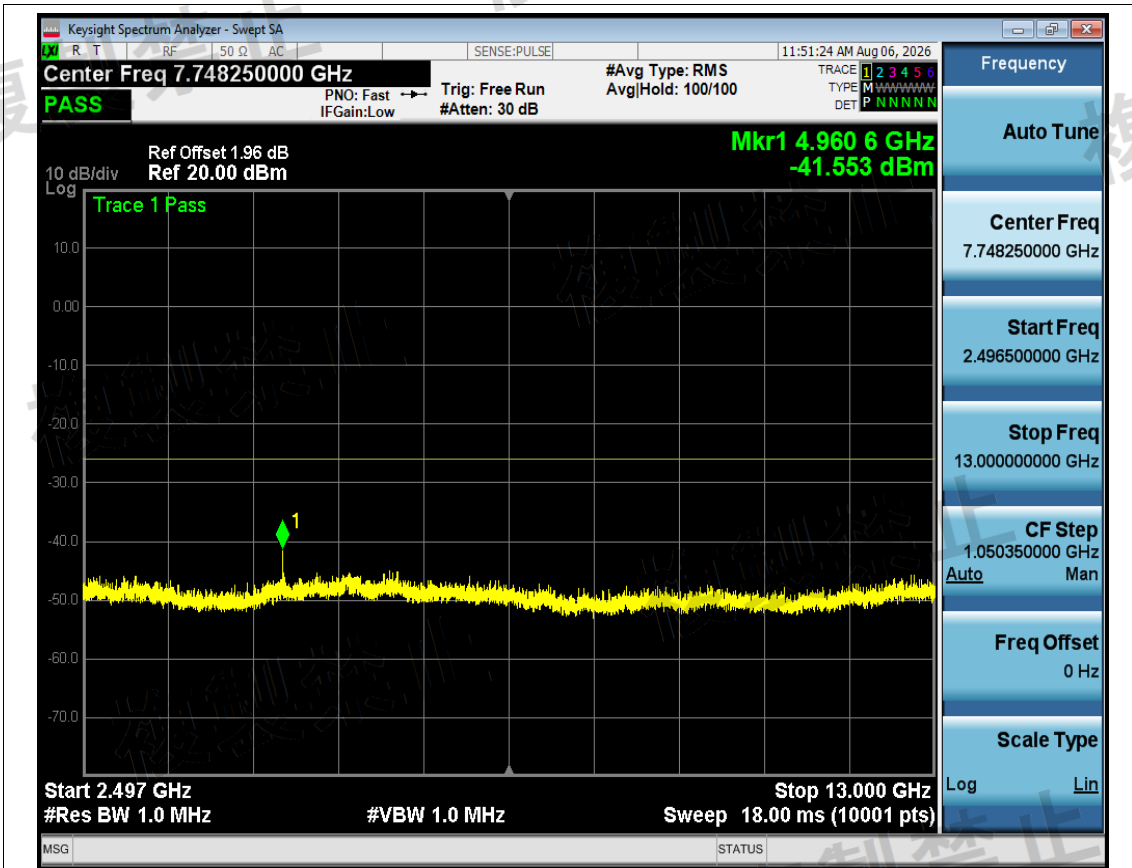
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-2387MHz



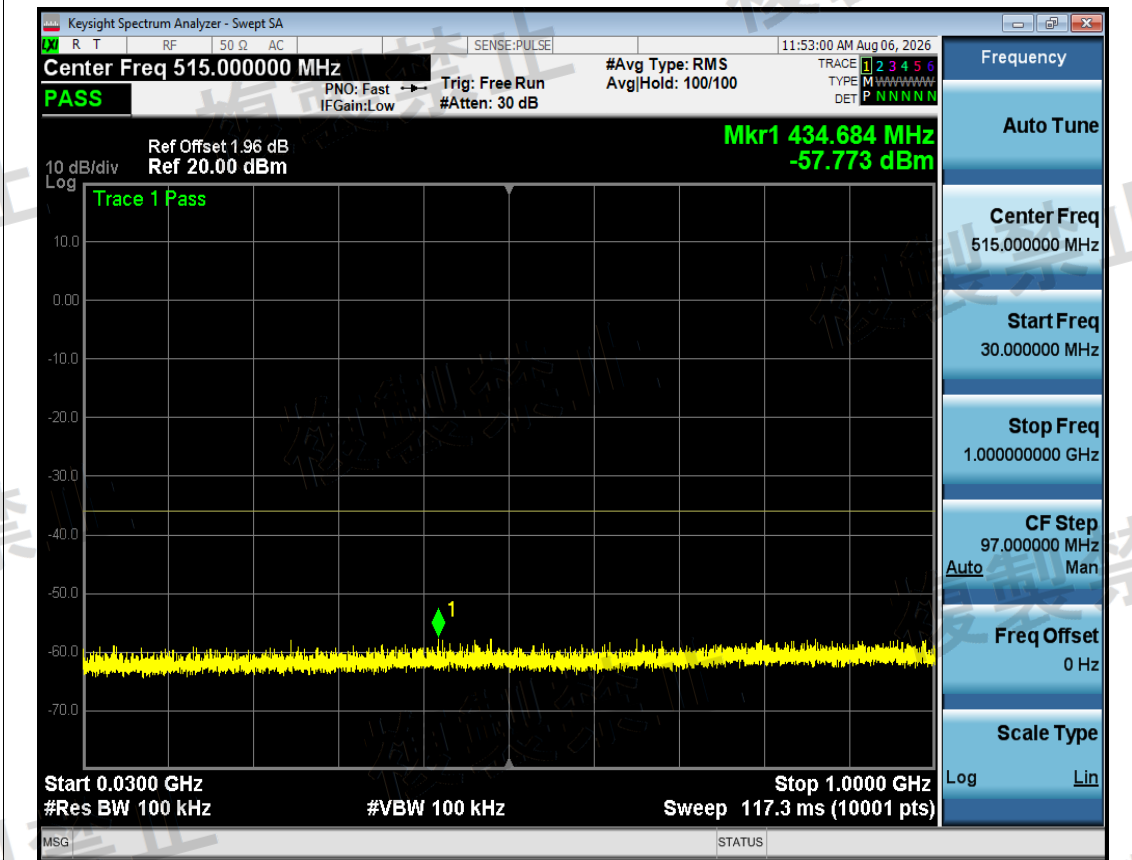
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



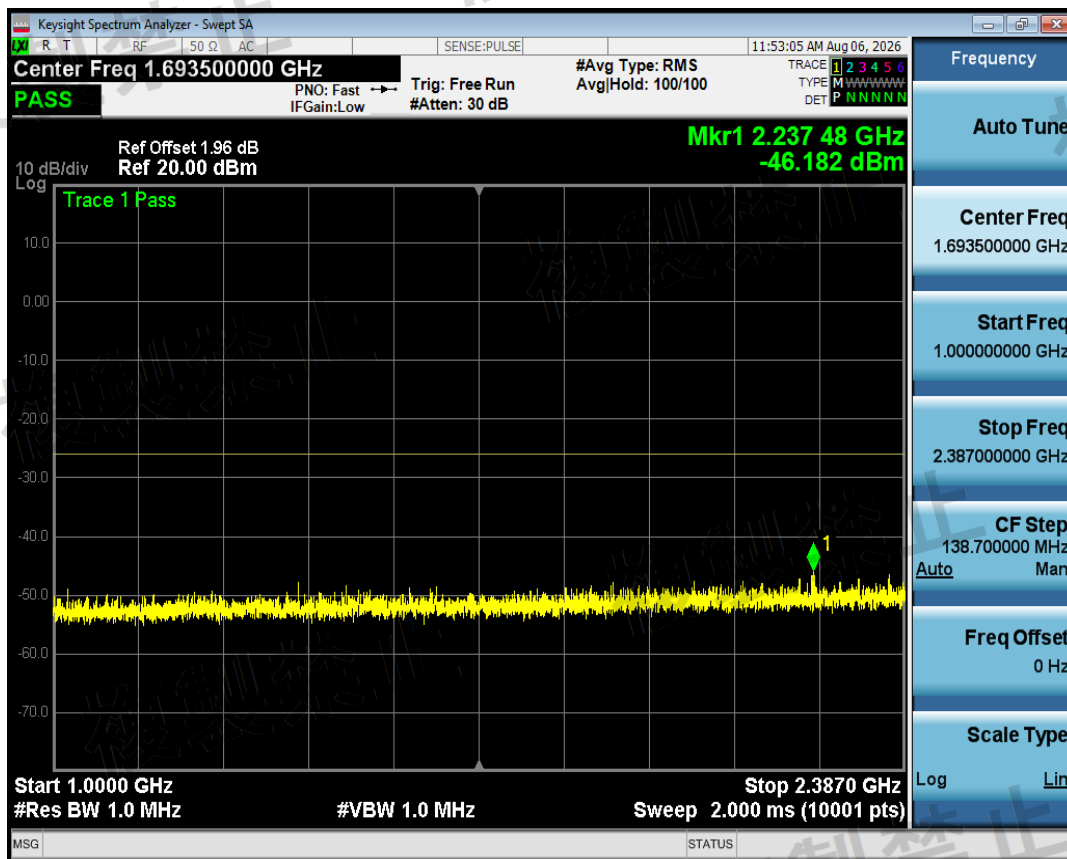
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



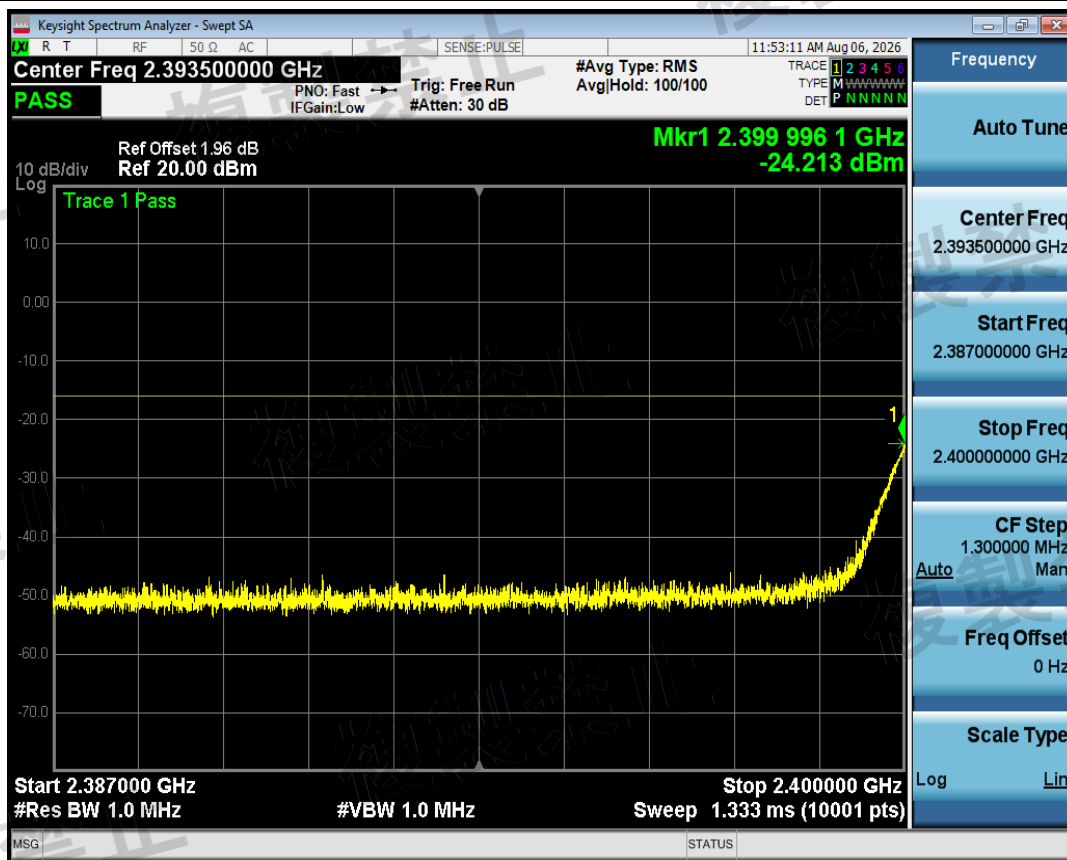
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz



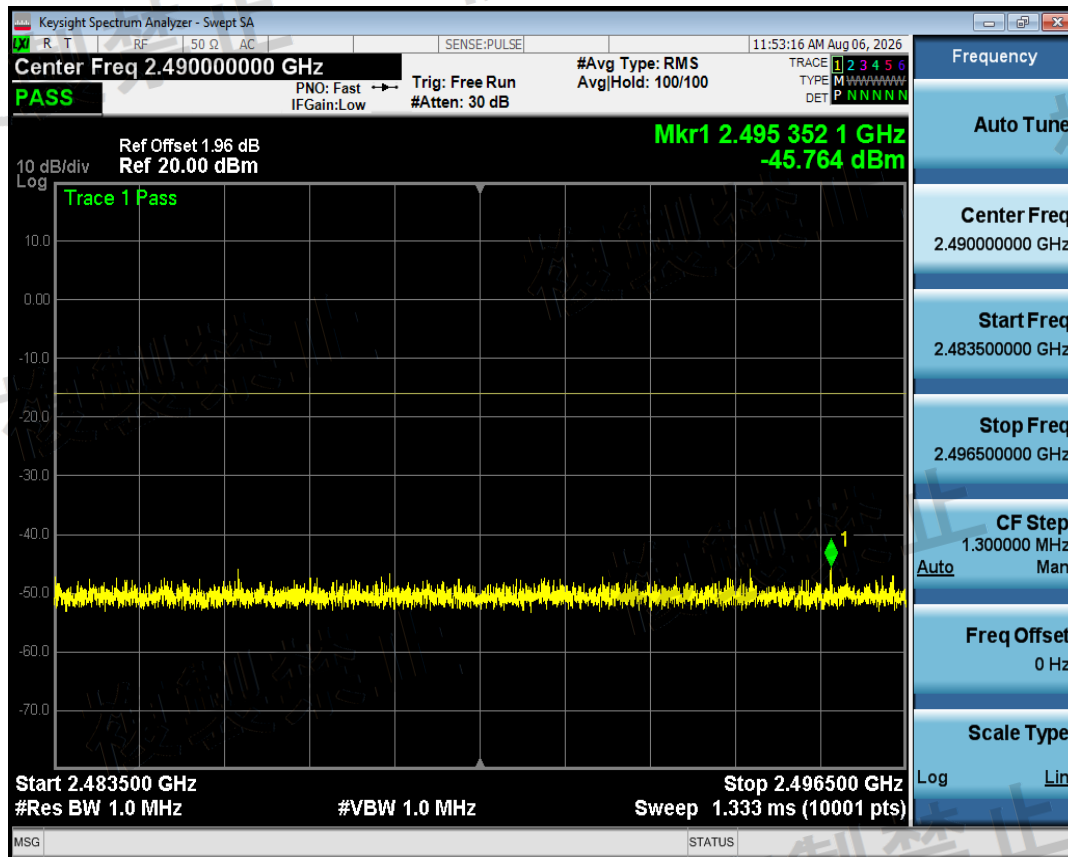
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



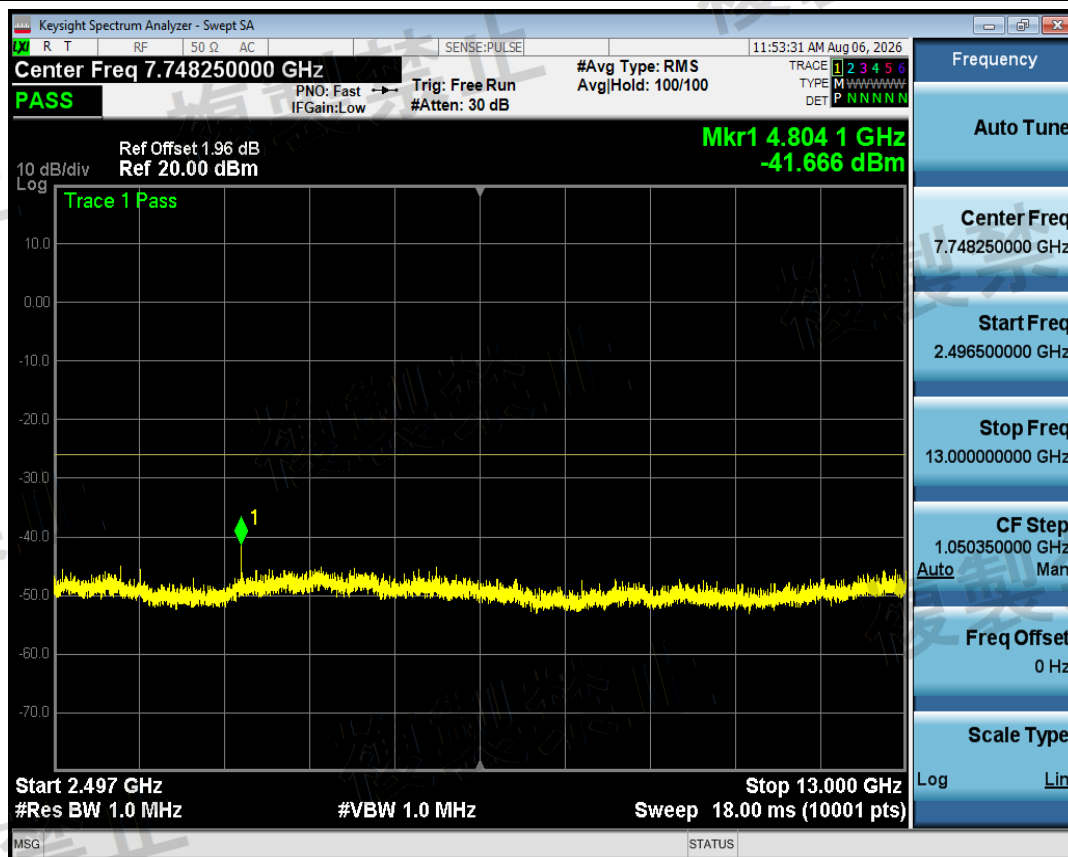
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-2387MHz



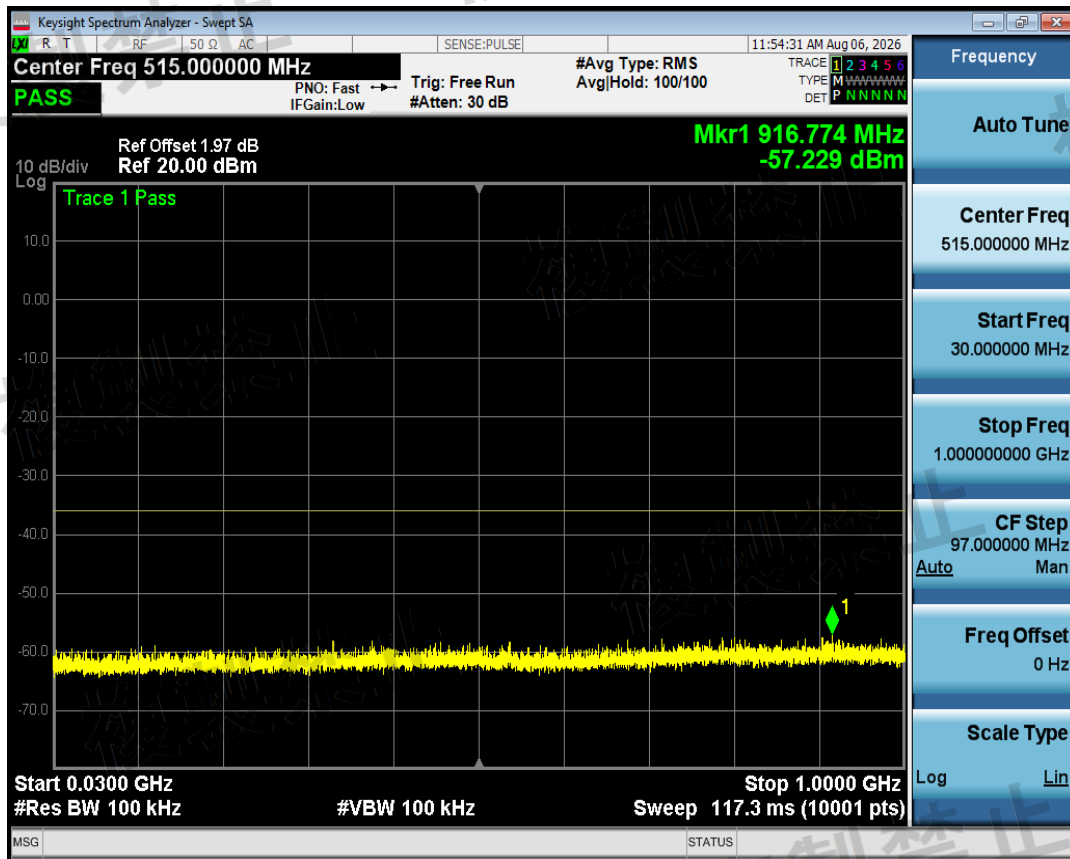
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2387MHz-2400MHz



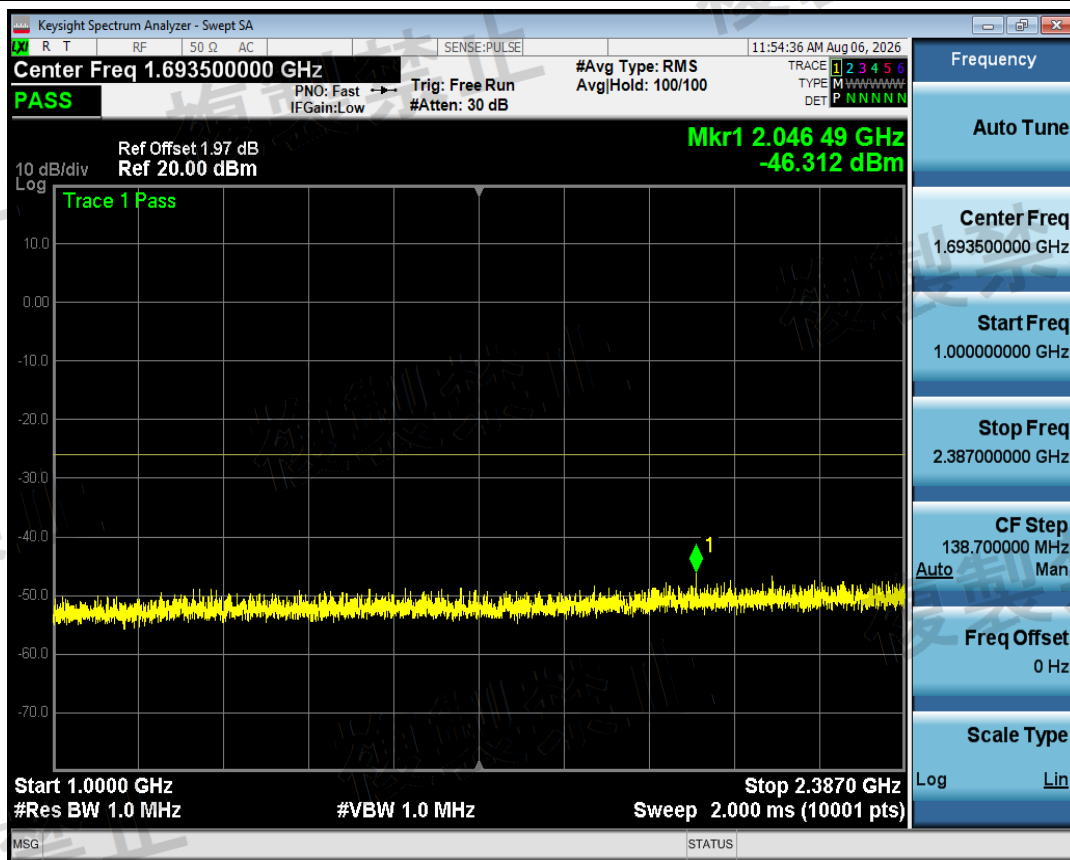
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



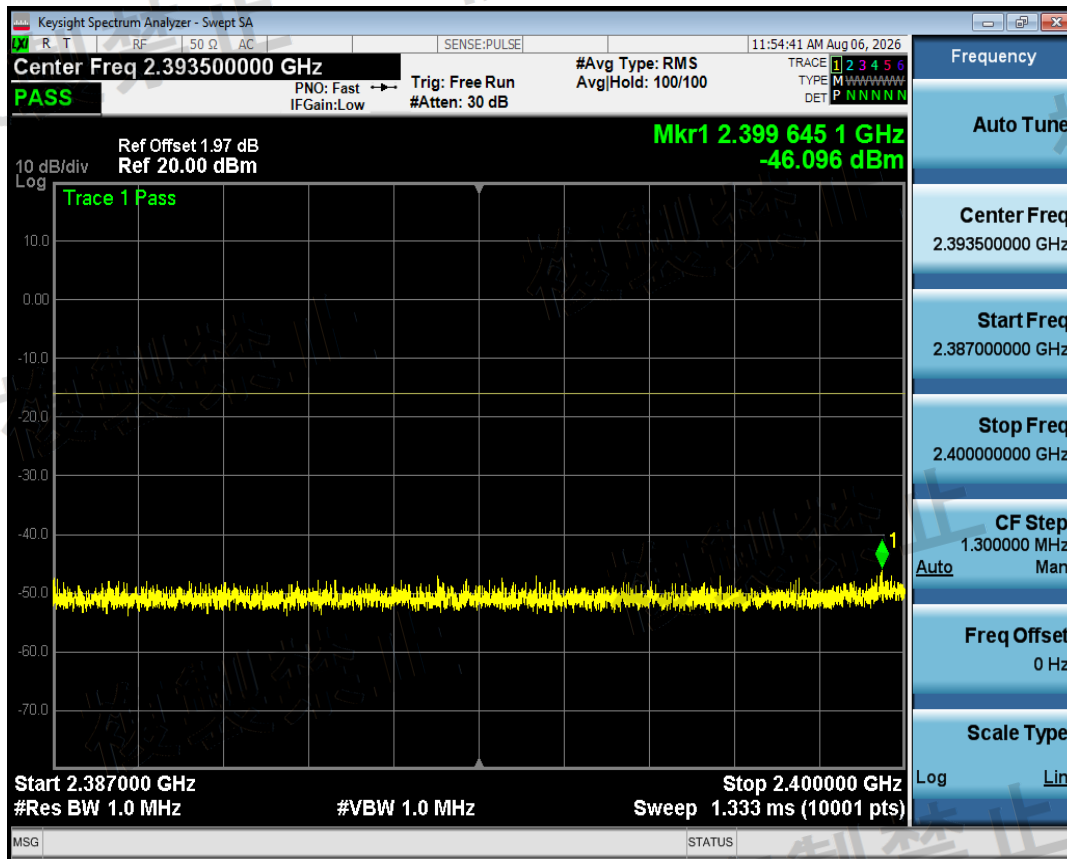
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2496.5MHz-13000MHz



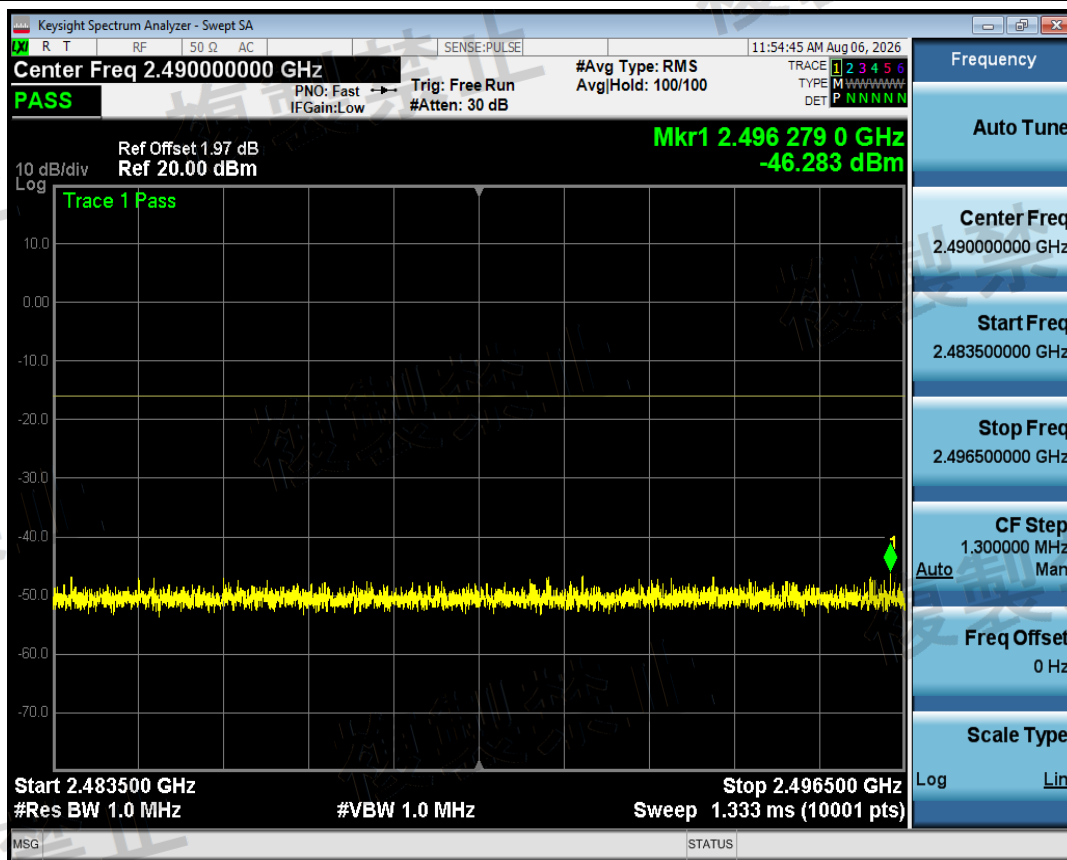
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



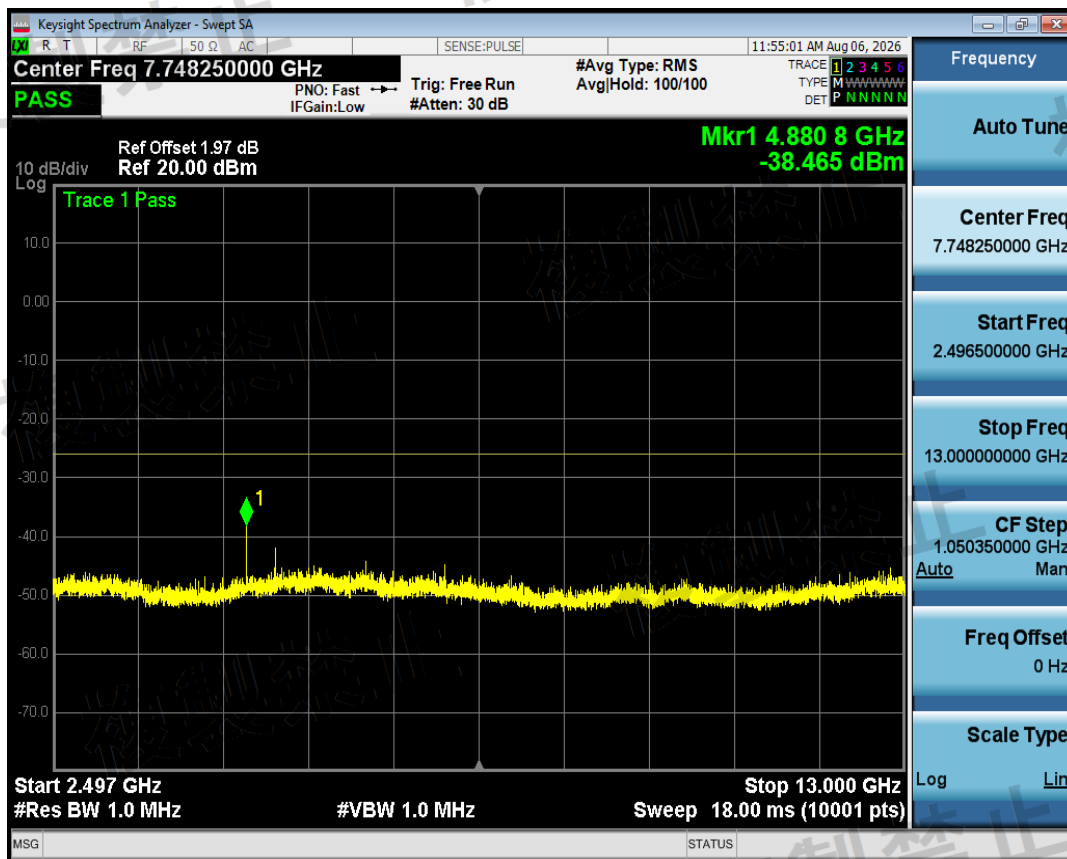
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-2387MHz



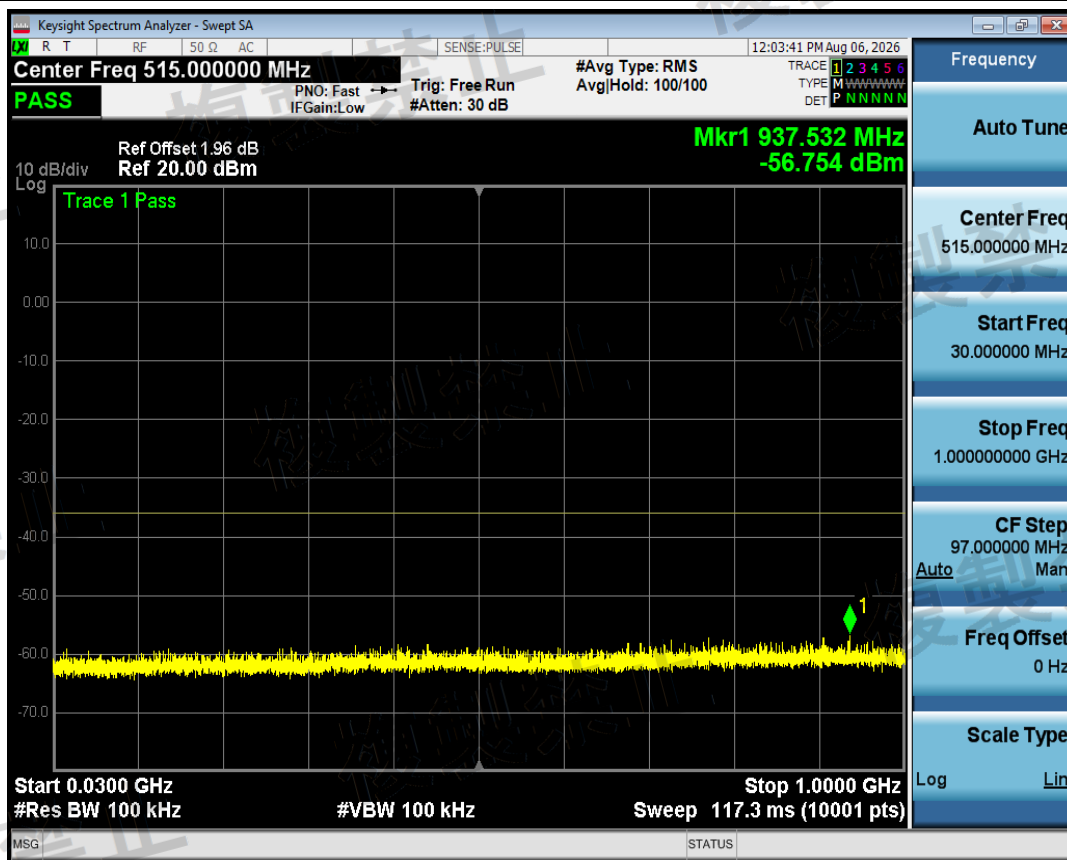
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2387MHz-2400MHz



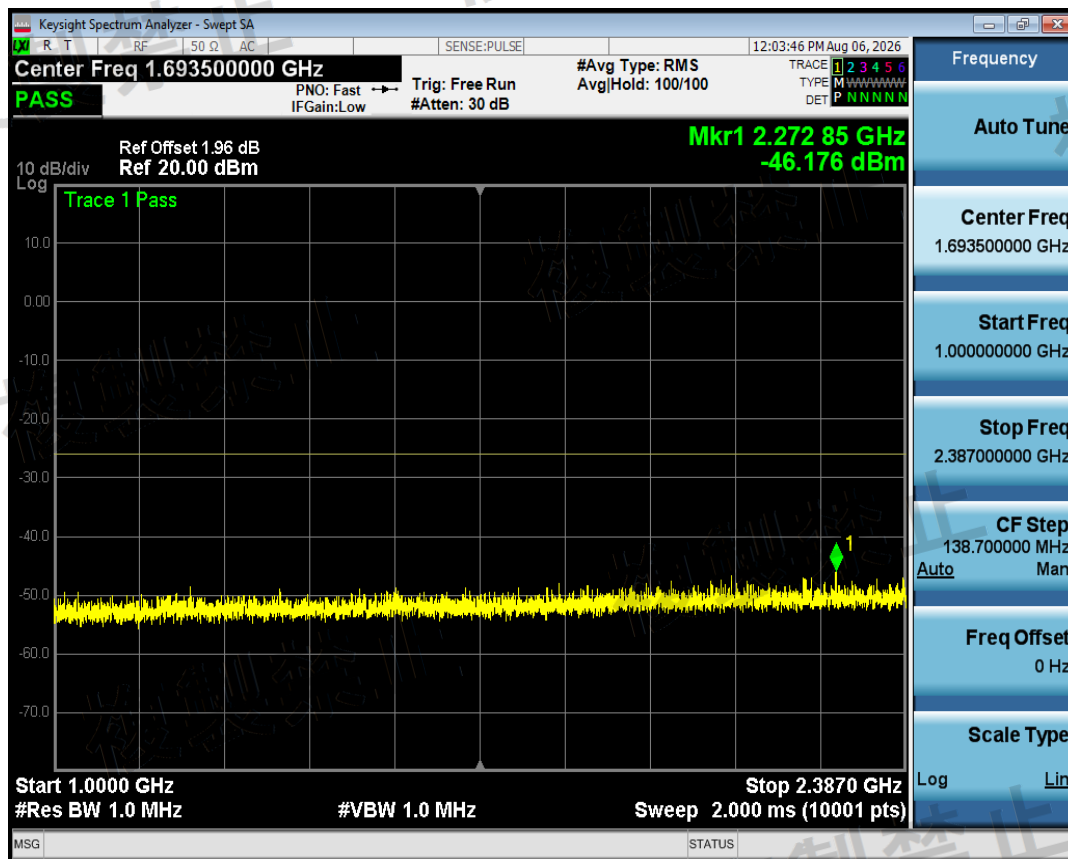
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



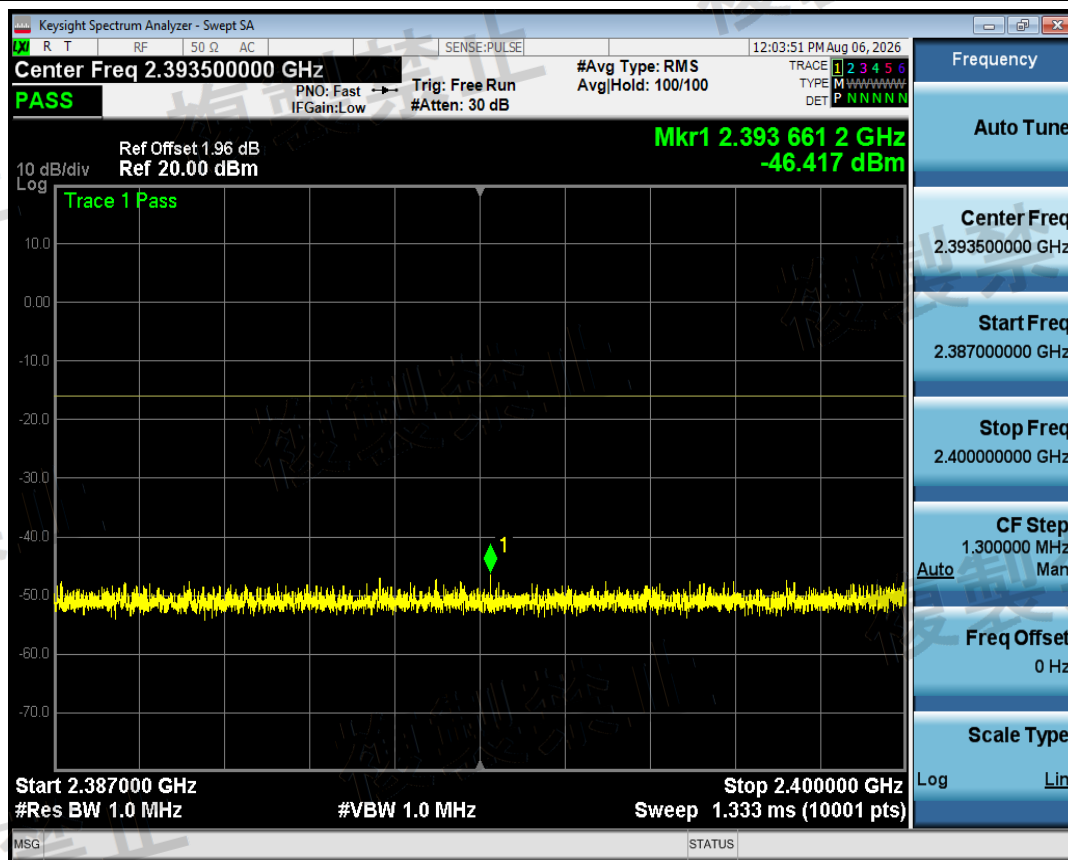
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2496.5MHz-13000MHz



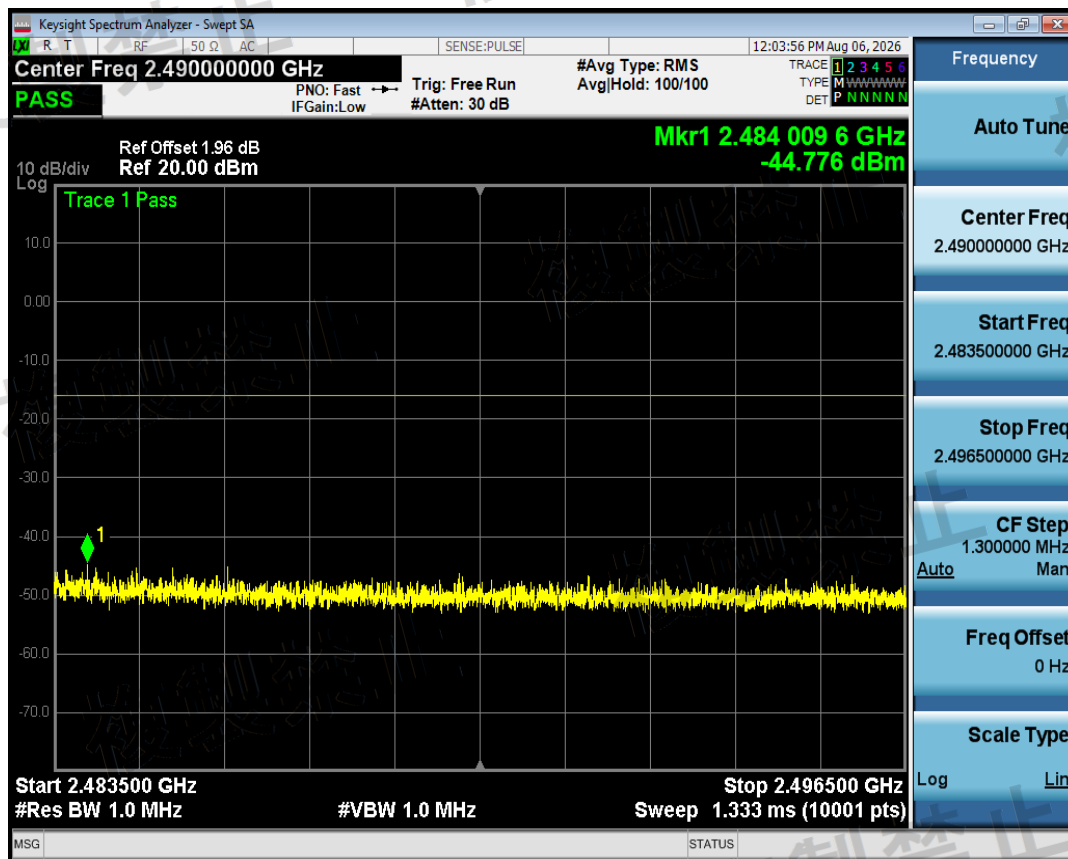
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



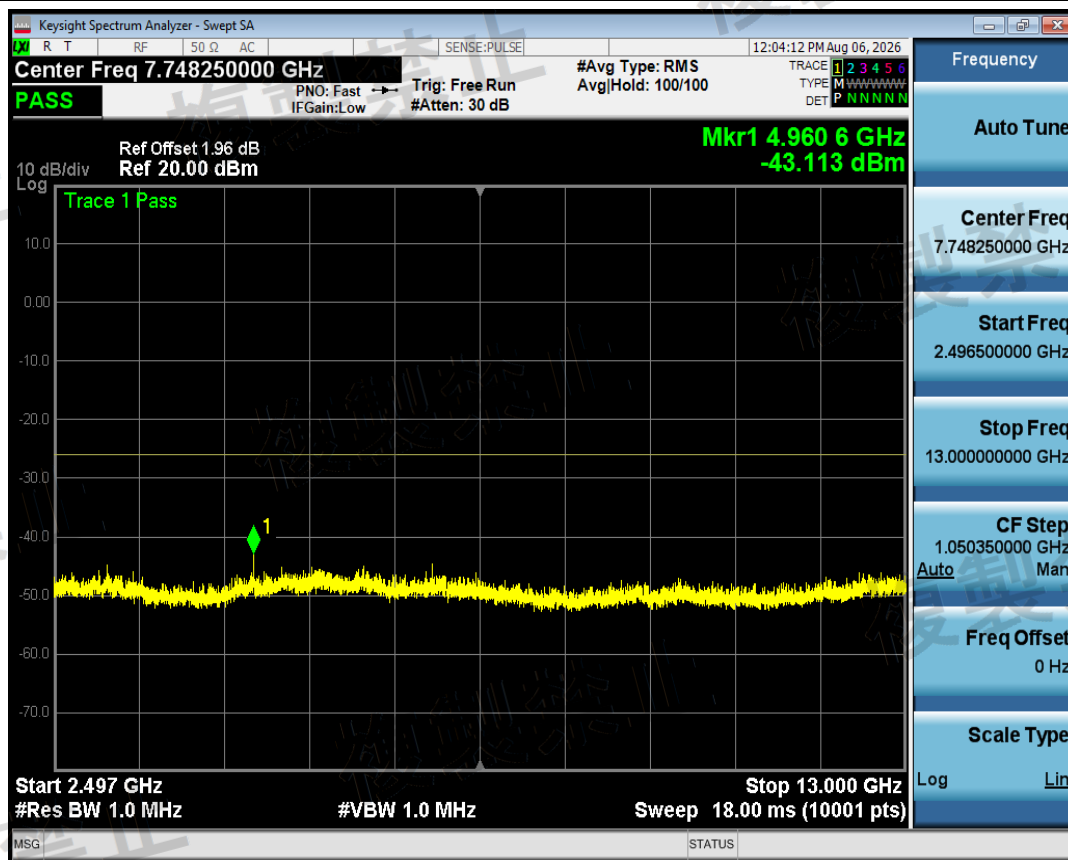
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 1000MHz-2387MHz



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



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

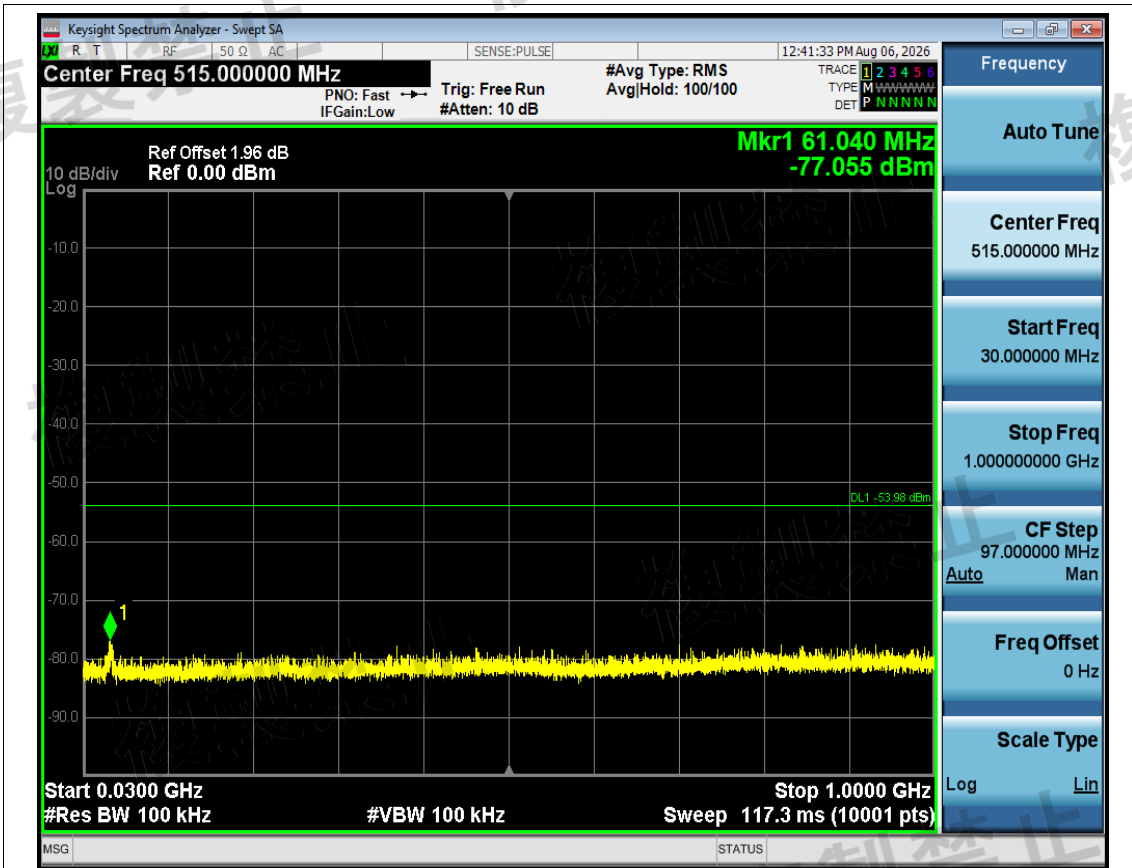


Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2496.5MHz-13000MHz

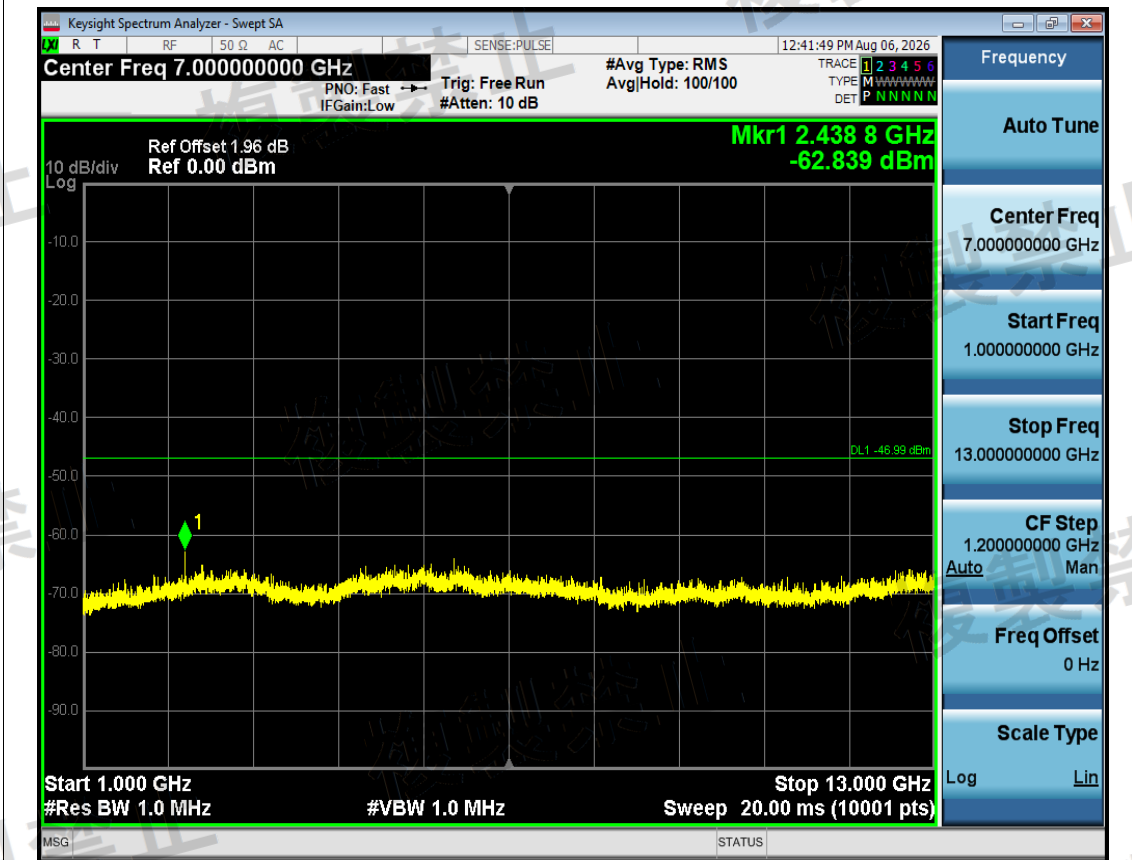


Rx Spurious Emission

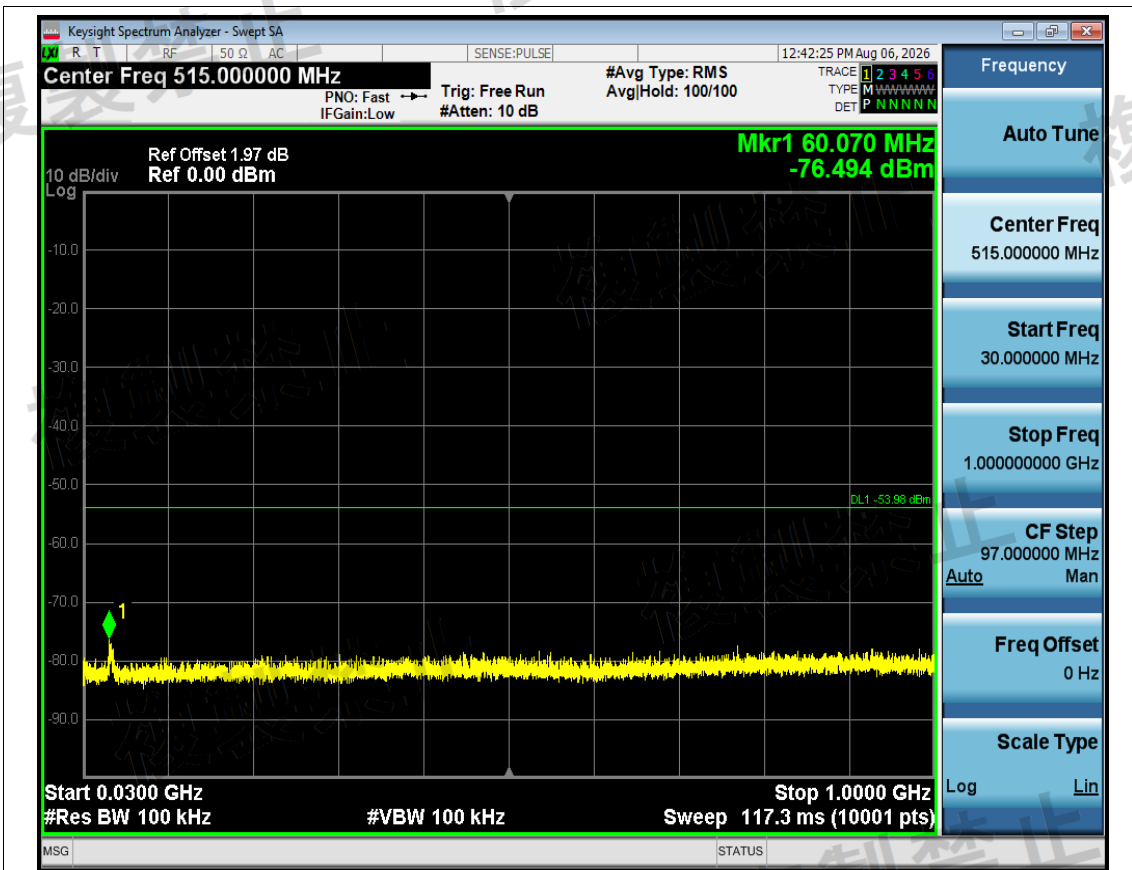
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (nW)	Max RMS Value (nW)	Limit (nW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	61.04	-77.06	NA	0.0197	NA	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	2438.80	-62.84	NA	0.52	NA	20	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	60.07	-76.49	NA	0.0224	NA	4	Pass
NVNT	BLE 1M	2440	Ant1	1000-13000	2402.80	-63.05	NA	0.4955	NA	20	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	780.20	-76.17	NA	0.0242	NA	4	Pass
NVNT	BLE 1M	2480	Ant1	1000-13000	2442.40	-61.13	NA	0.7709	NA	20	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	62.11	-76.13	NA	0.0244	NA	4	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	2442.40	-60.91	NA	0.811	NA	20	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	62.20	-76.24	NA	0.0238	NA	4	Pass
NVNT	BLE 2M	2440	Ant1	1000-13000	2442.40	-63.25	NA	0.4732	NA	20	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	62.11	-77.24	NA	0.0189	NA	4	Pass
NVNT	BLE 2M	2480	Ant1	1000-13000	2452.00	-64.38	NA	0.3648	NA	20	Pass



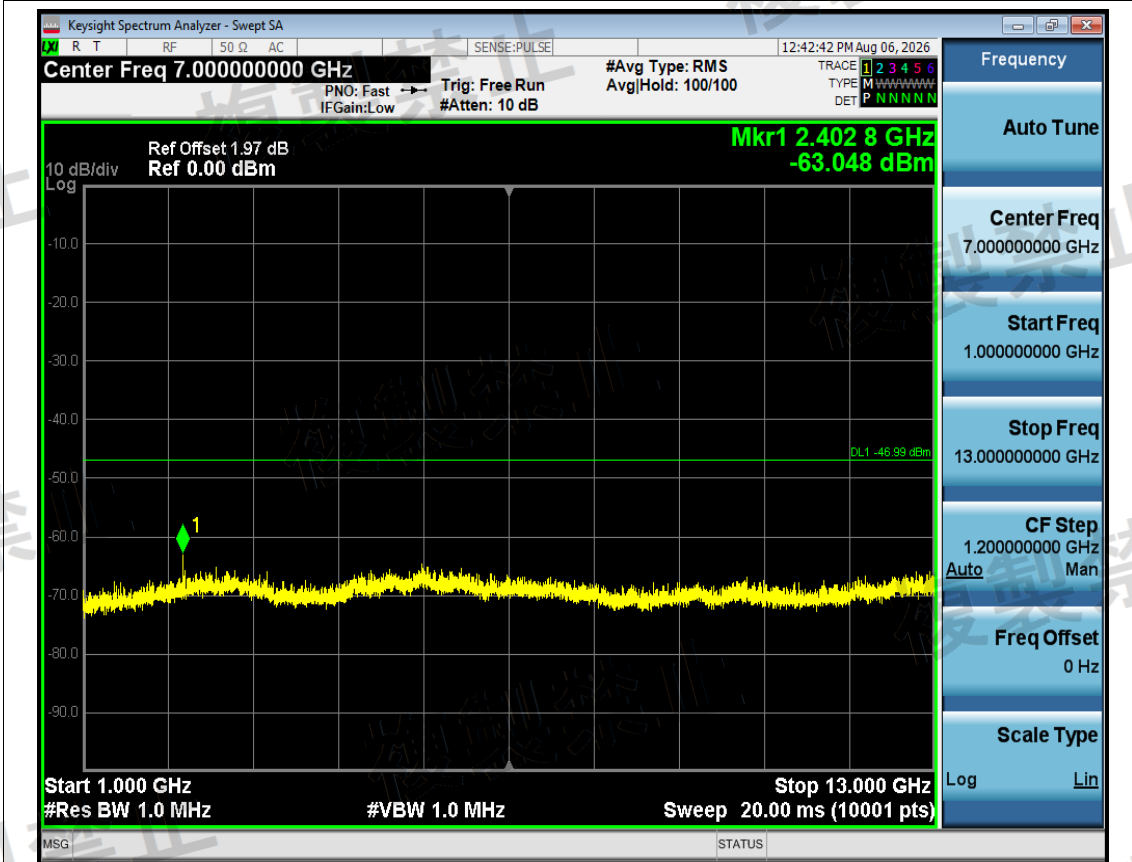
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



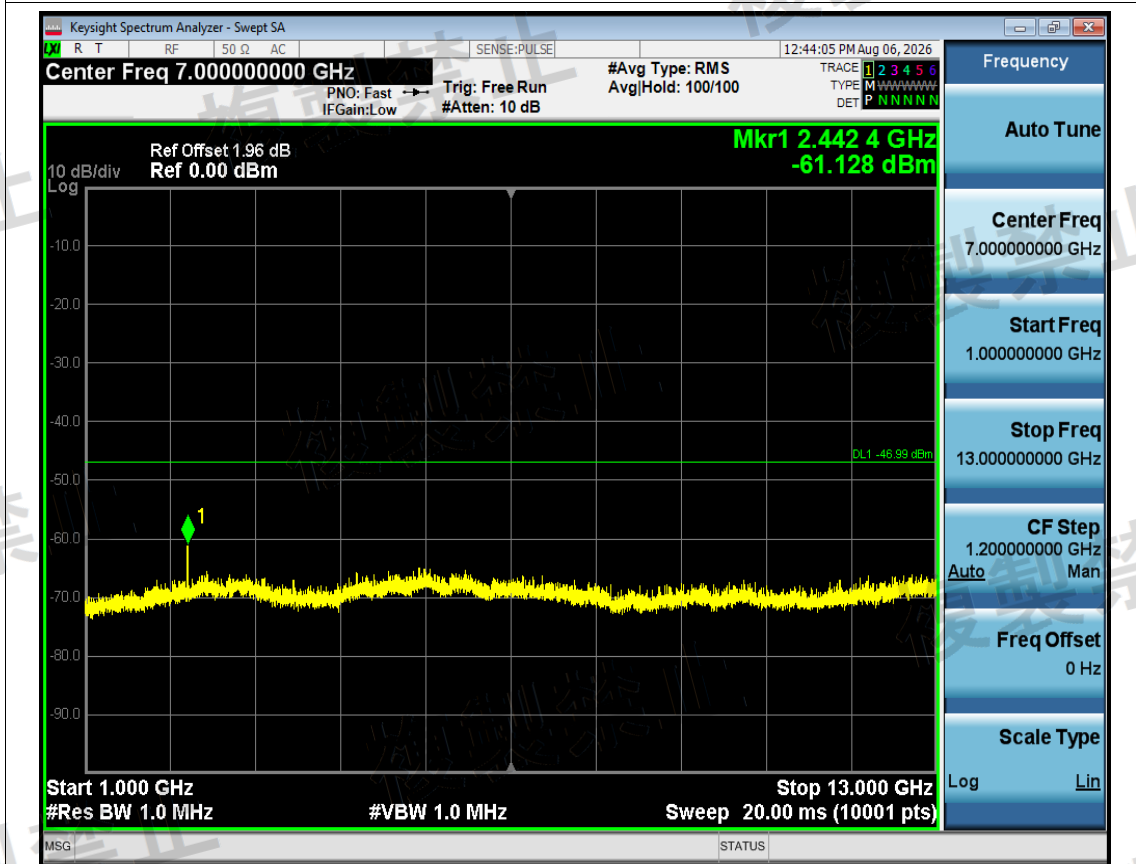
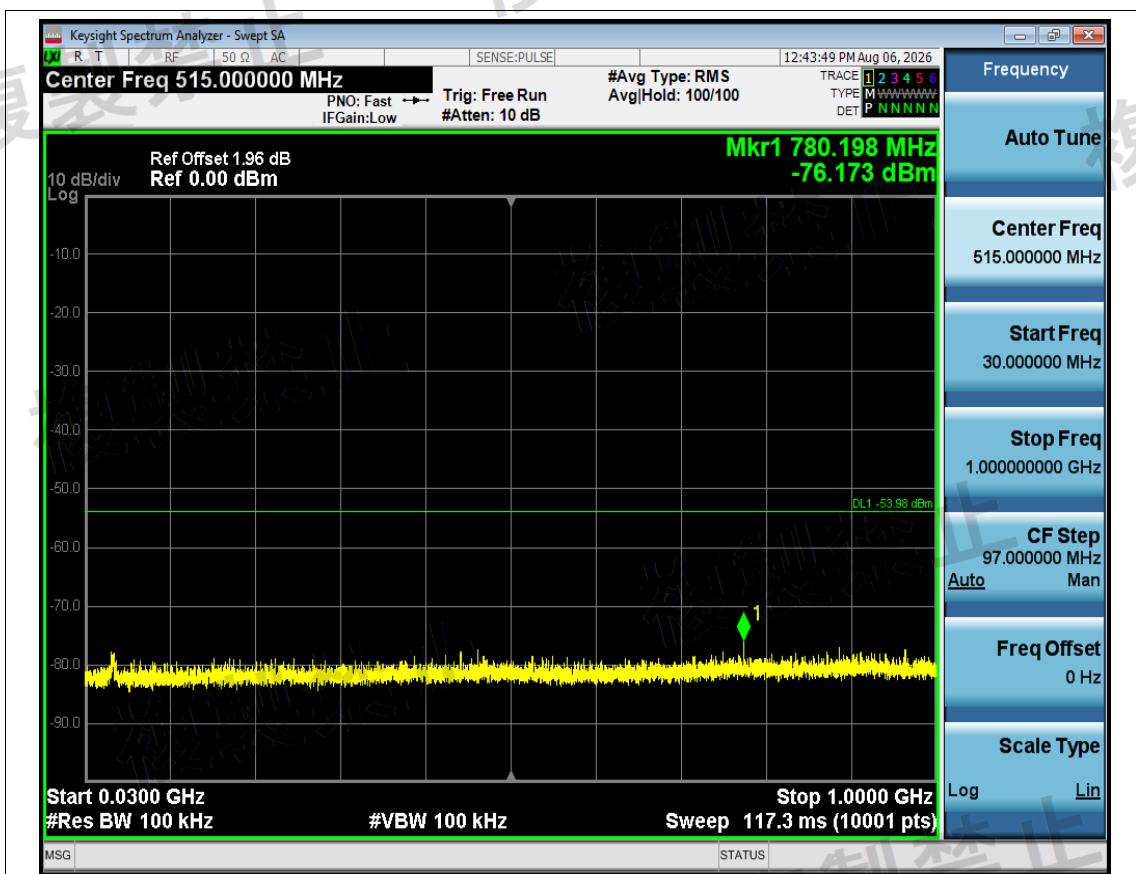
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz

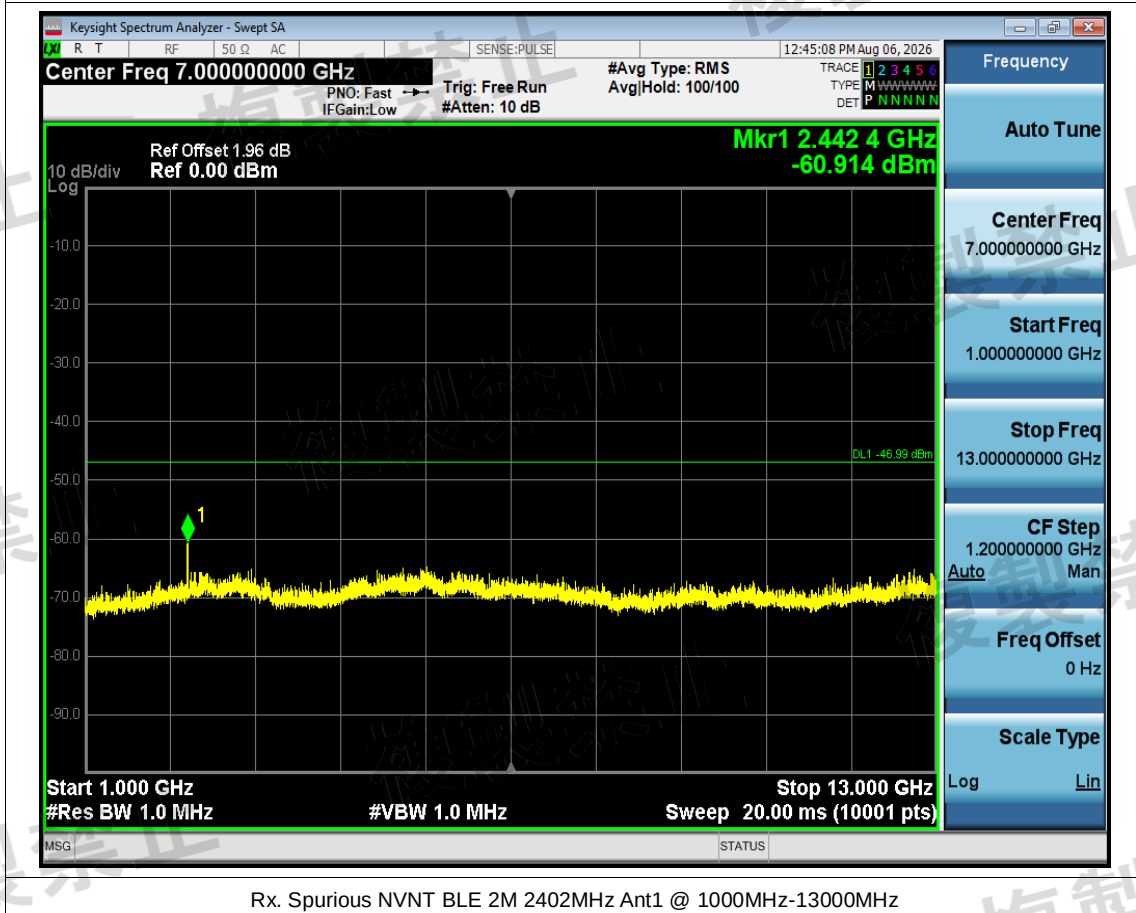
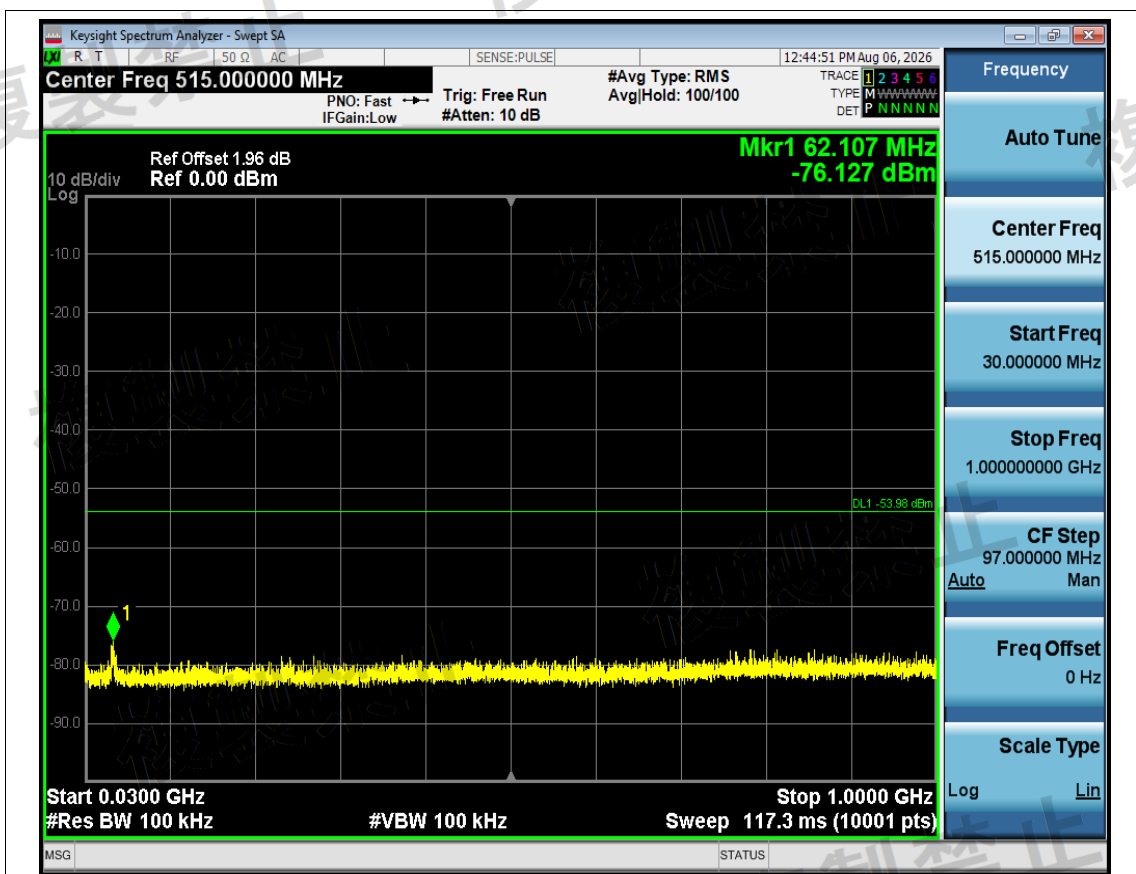


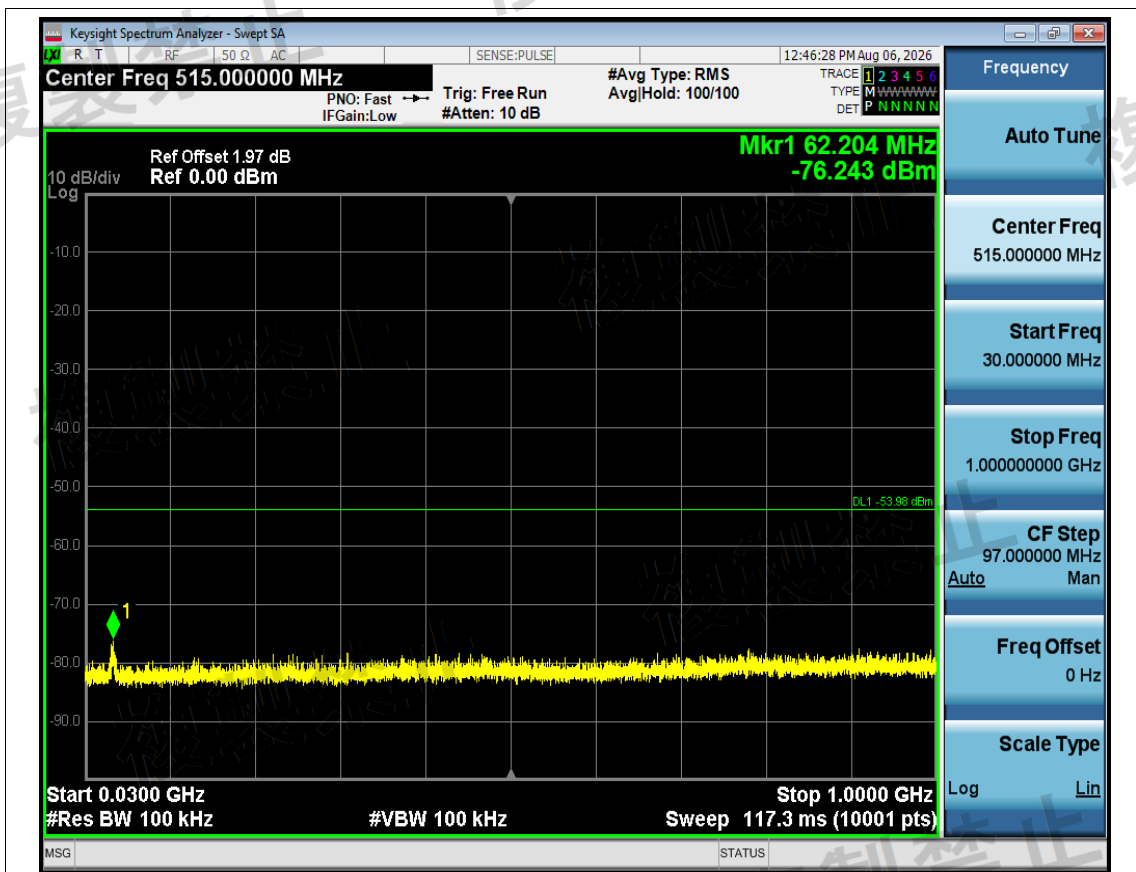
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



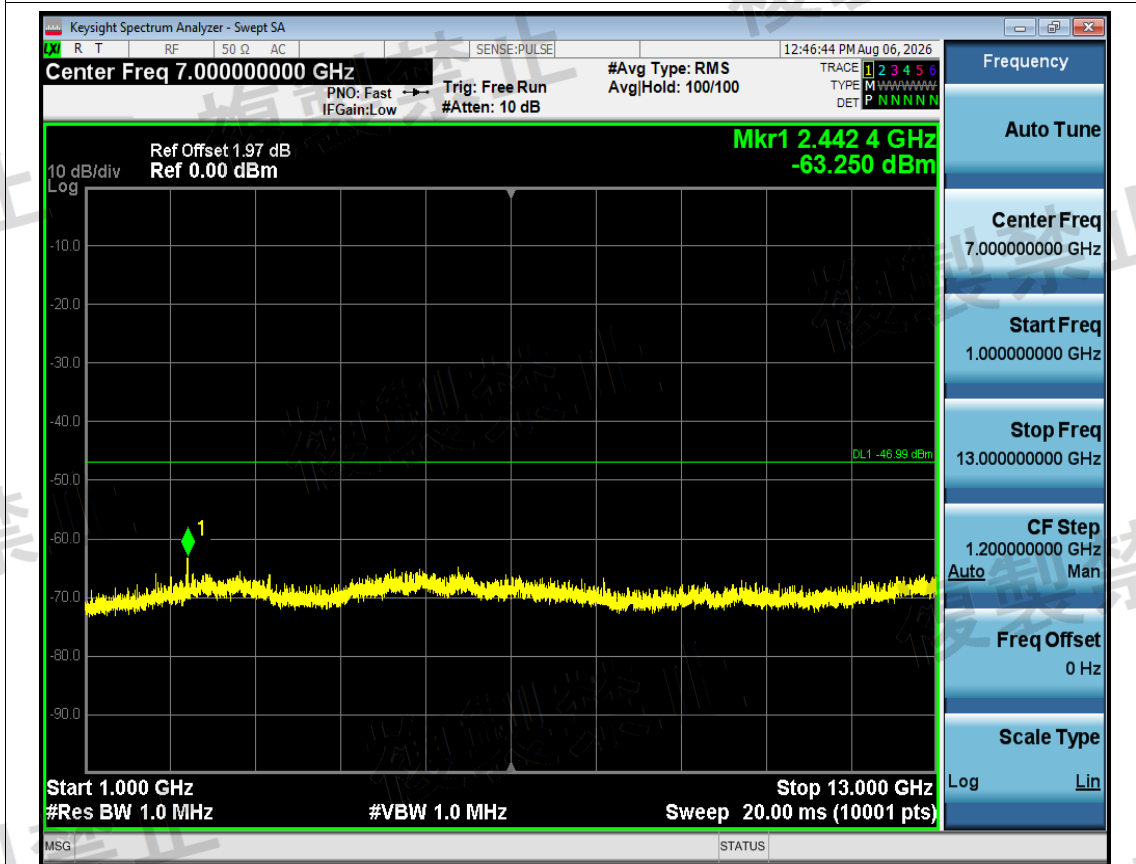
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-13000MHz



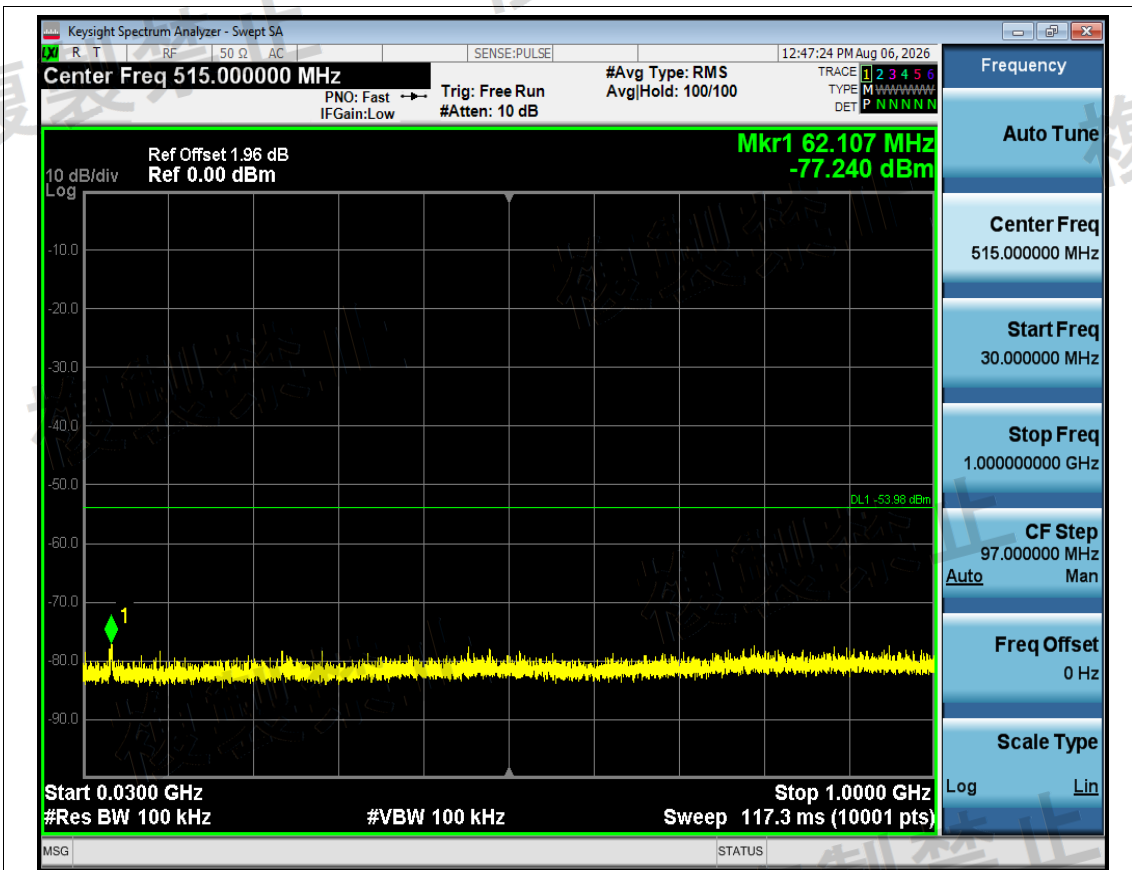




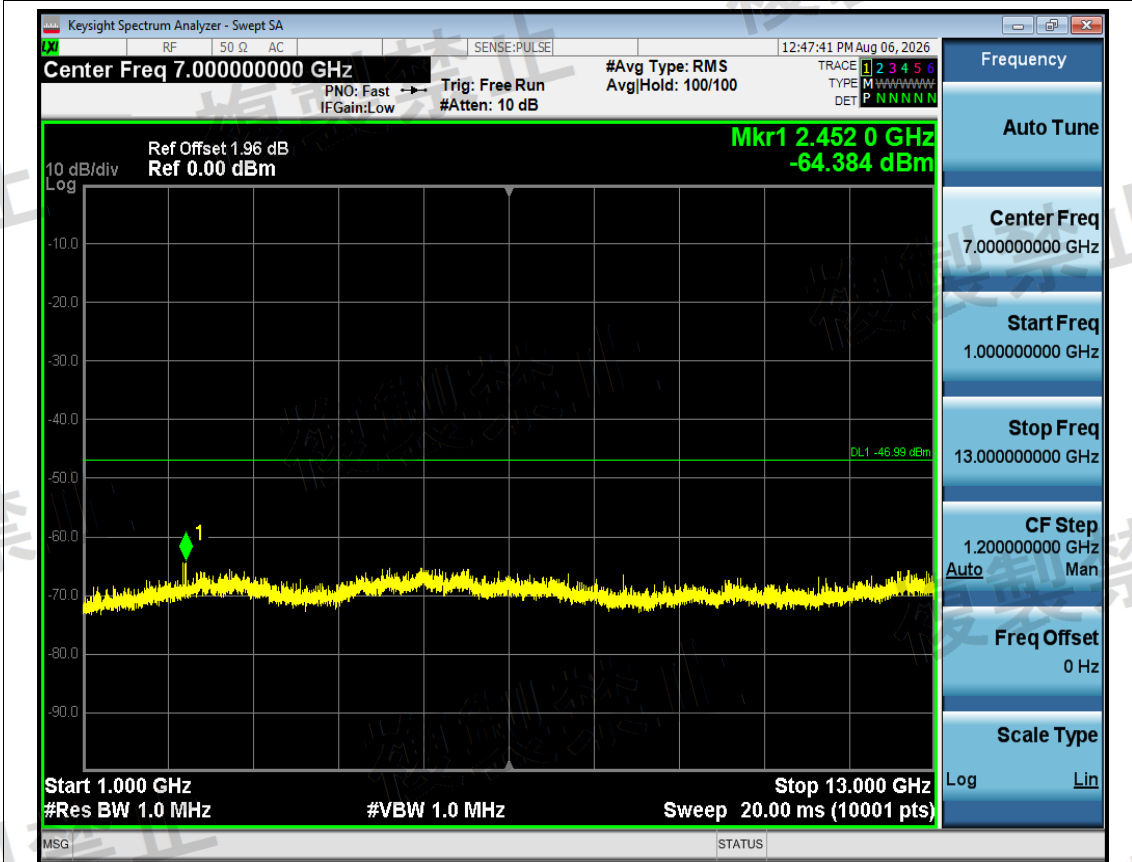
Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



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