

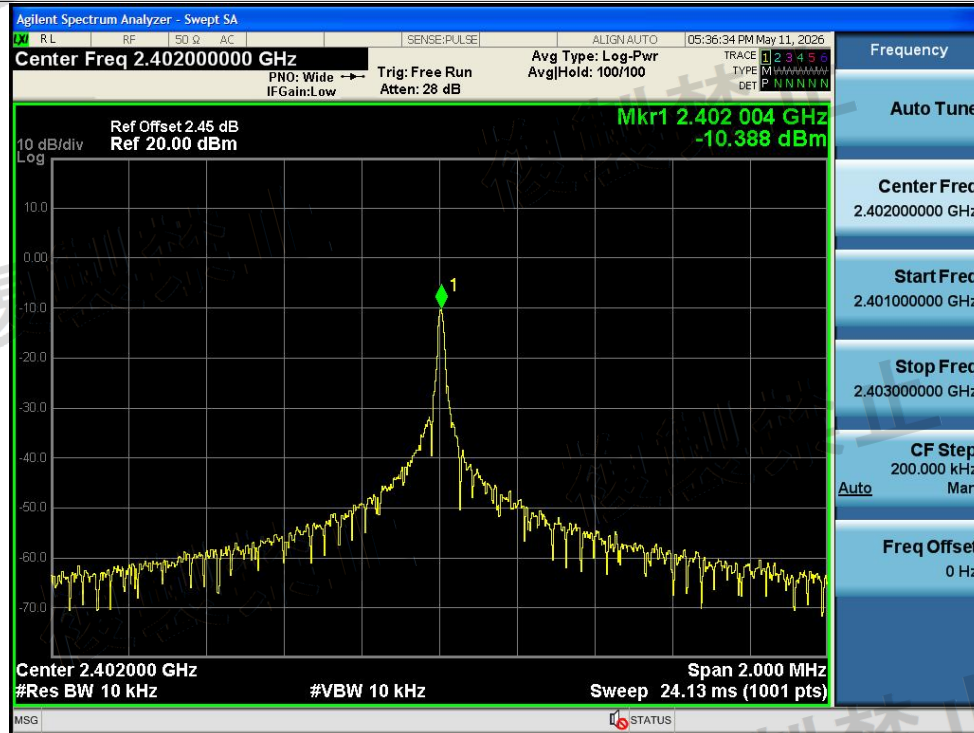
Appendix D_BR EDR

Frequency Error

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	1-DH5	2402	Ant1	2402.004	4000	1.67	50	Pass
NVNT	1-DH5	2441	Ant1	2441.004	4000	1.64	50	Pass
NVNT	1-DH5	2480	Ant1	2480.004	4000	1.61	50	Pass

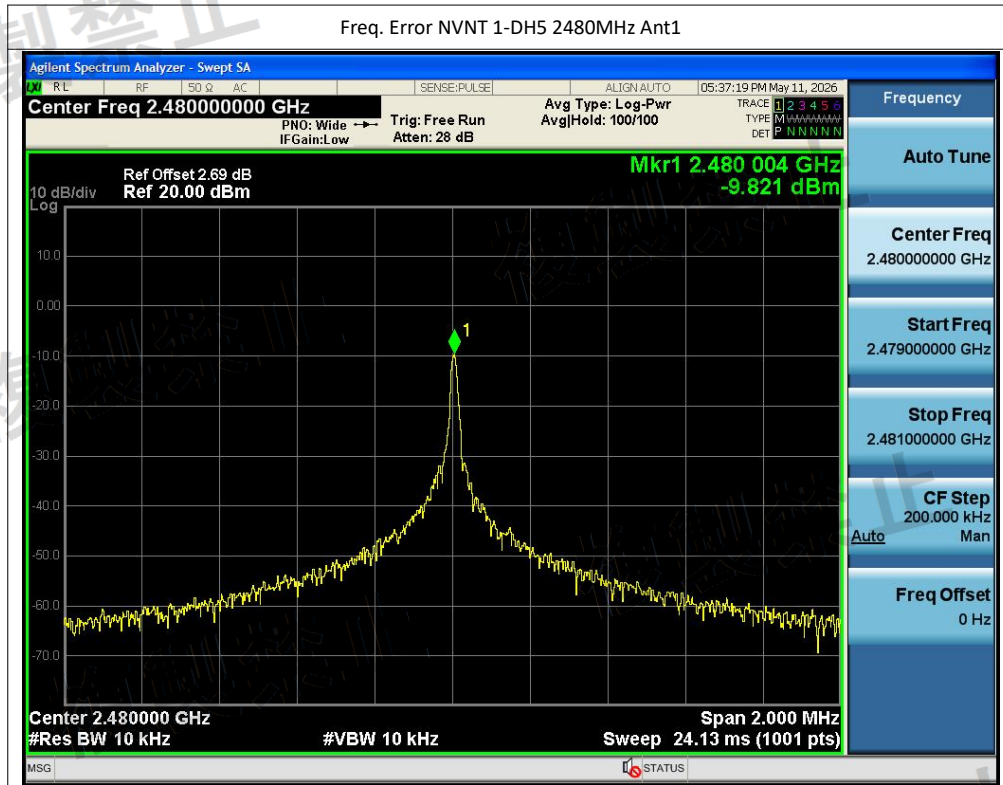
Test Graphs

Freq. Error NVNT 1-DH5 2402MHz Ant1



Freq. Error NVNT 1-DH5 2441MHz Ant1





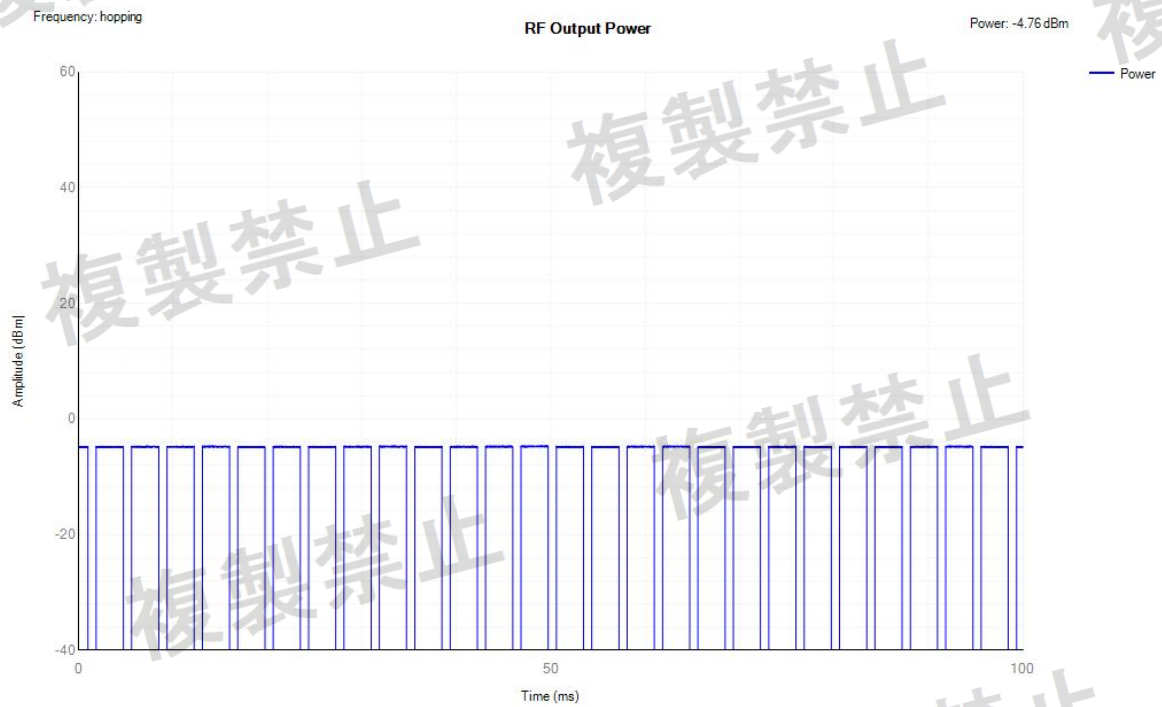
Antenna Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Spread BW (MHz)	Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	1-DH5	hopping	Ant1	-4.76	0.334	71.576	0.005	3	1	-99.5	20	Pass
NVNT	2-DH5	hopping	Ant1	-4.83	0.329	71.198	0.005	3	1	-99.5	20	Pass
NVNT	3-DH5	hopping	Ant1	-4.79	0.332	71.633	0.005	3	1	-99.5	20	Pass

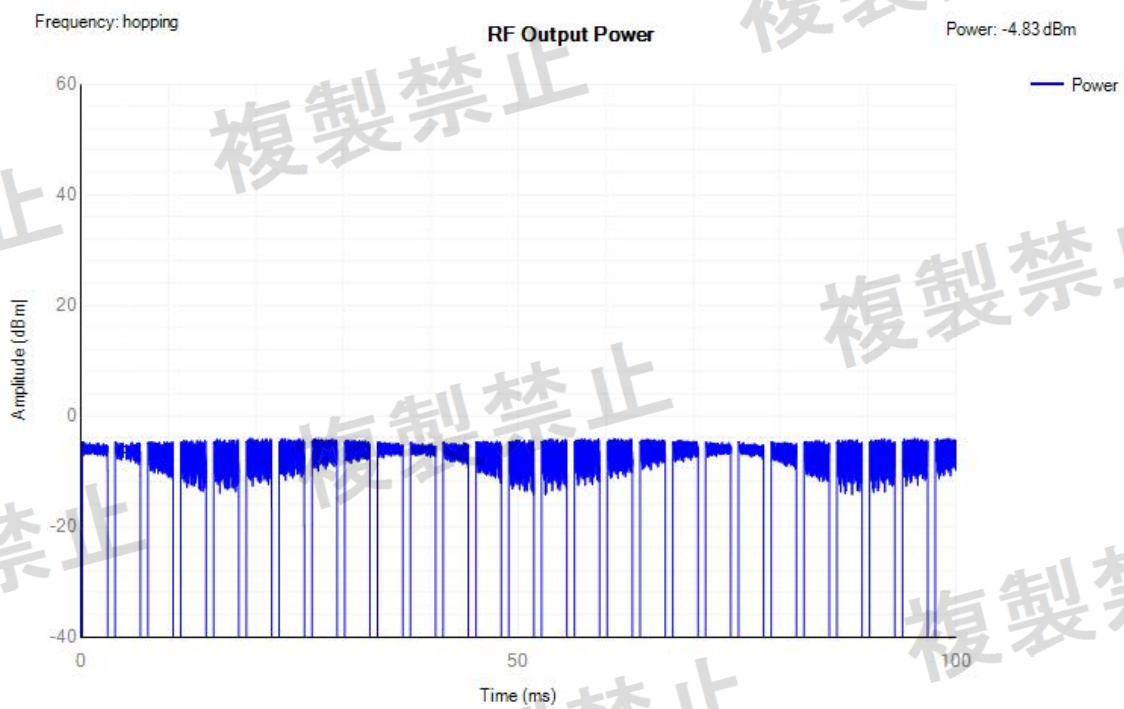
Note: power (mW/MHz) = power (mW) / Spread BW(MHz)

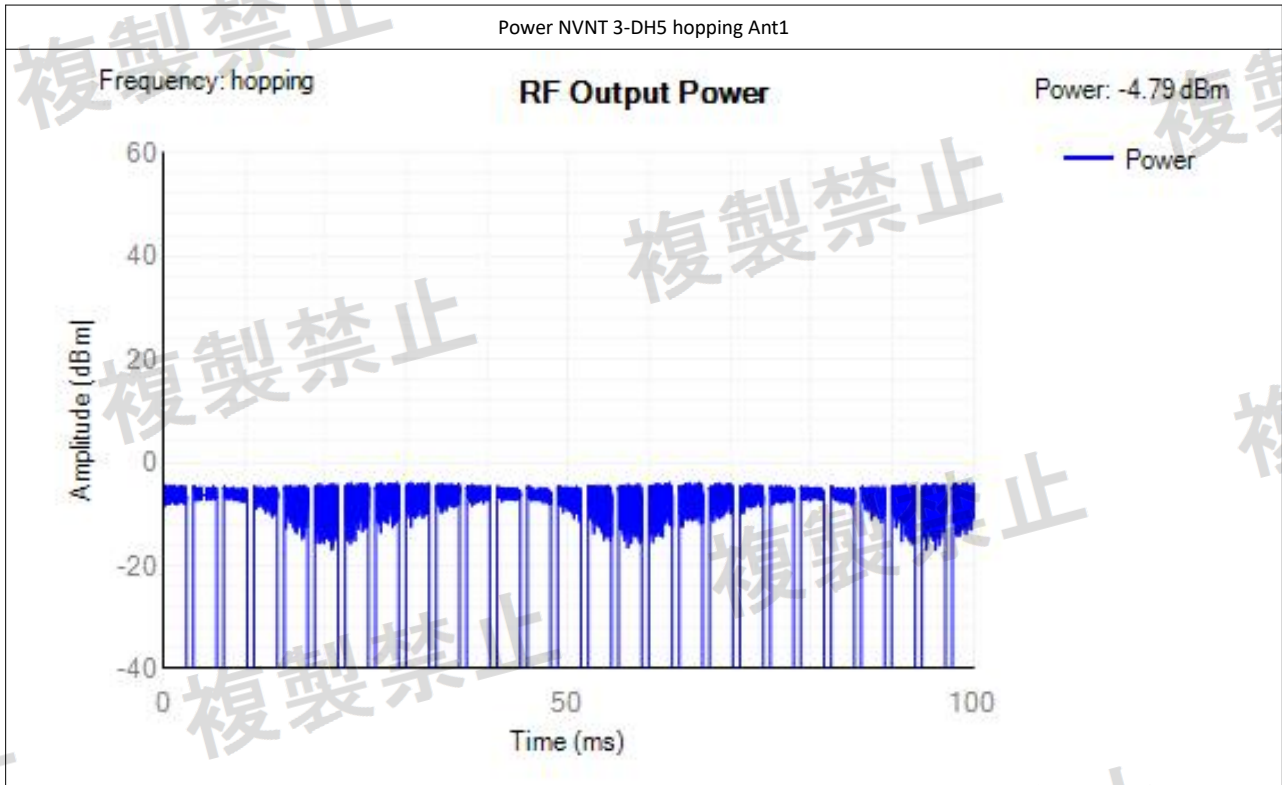
Test Graphs

Power NVNT 1-DH5 hopping Ant1



Power NVNT 2-DH5 hopping Ant1





EIRP Power

Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW/MHz)	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP Power (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	1-DH5	hopping	Ant1	0.005	-23.01	1.57	-21.44	6.91	Pass
NVNT	2-DH5	hopping	Ant1	0.005	-23.01	1.57	-21.44	6.91	Pass
NVNT	3-DH5	hopping	Ant1	0.005	-23.01	1.57	-21.44	6.91	Pass

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.86591
NVNT	1-DH5	2441	Ant1	0.85143
NVNT	1-DH5	2480	Ant1	0.86722
NVNT	2-DH5	2402	Ant1	1.1804
NVNT	2-DH5	2441	Ant1	1.192
NVNT	2-DH5	2480	Ant1	1.1843
NVNT	3-DH5	2402	Ant1	1.1833
NVNT	3-DH5	2441	Ant1	1.1926
NVNT	3-DH5	2480	Ant1	1.1924

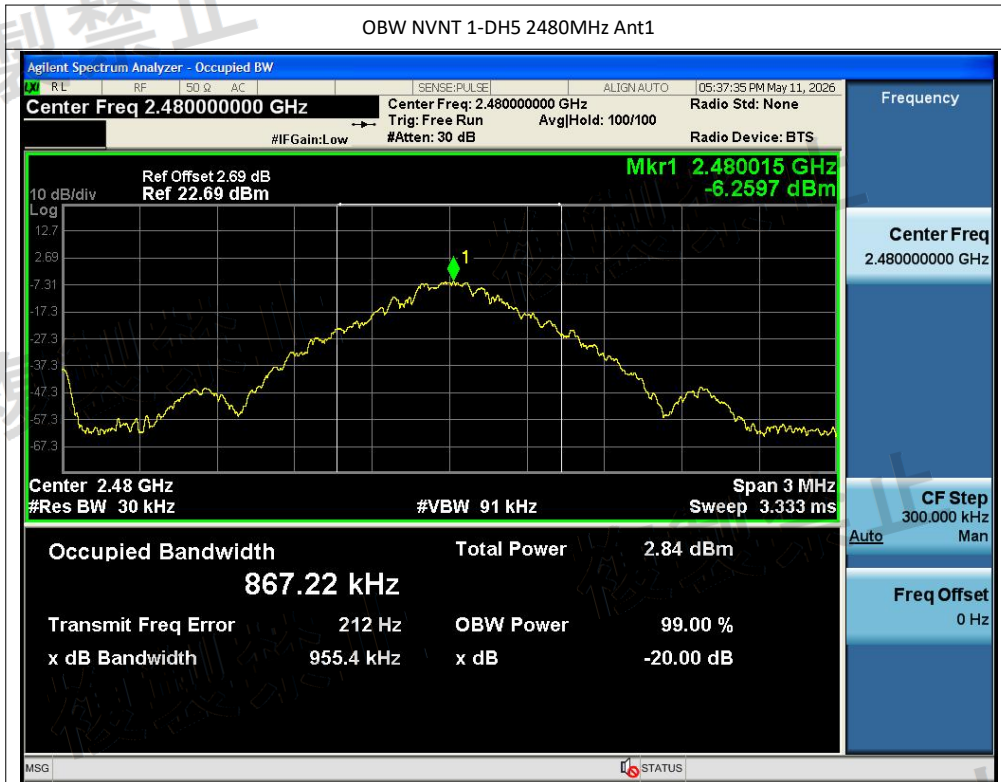
Test Graphs

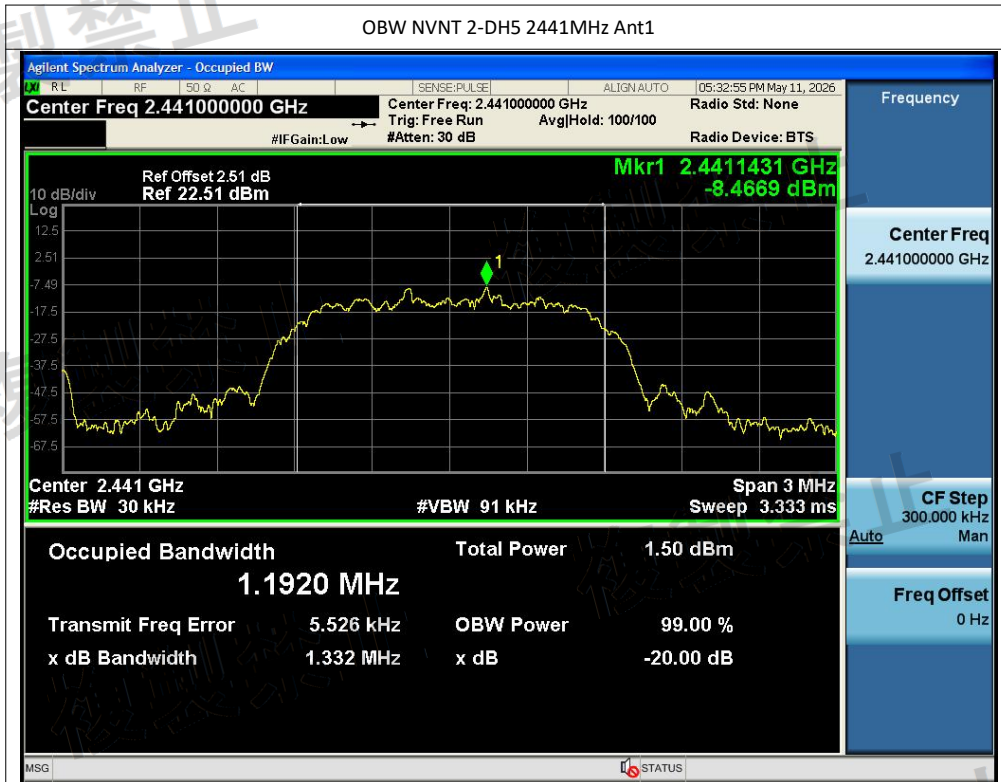
OBW NVNT 1-DH5 2402MHz Ant1

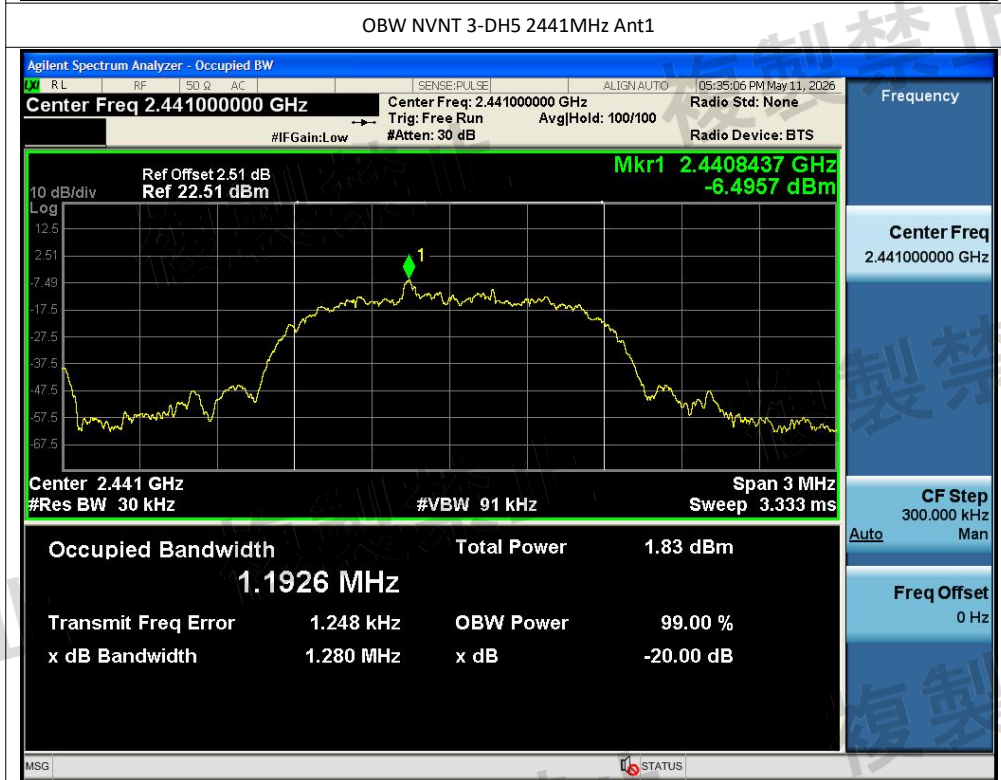


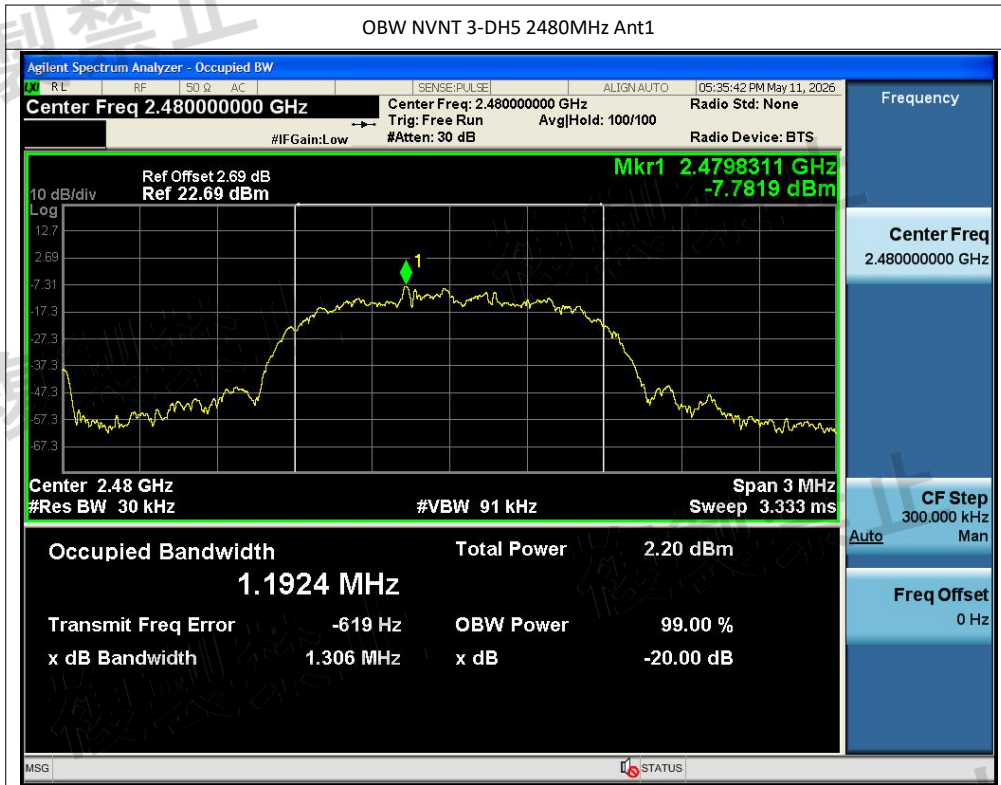
OBW NVNT 1-DH5 2441MHz Ant1









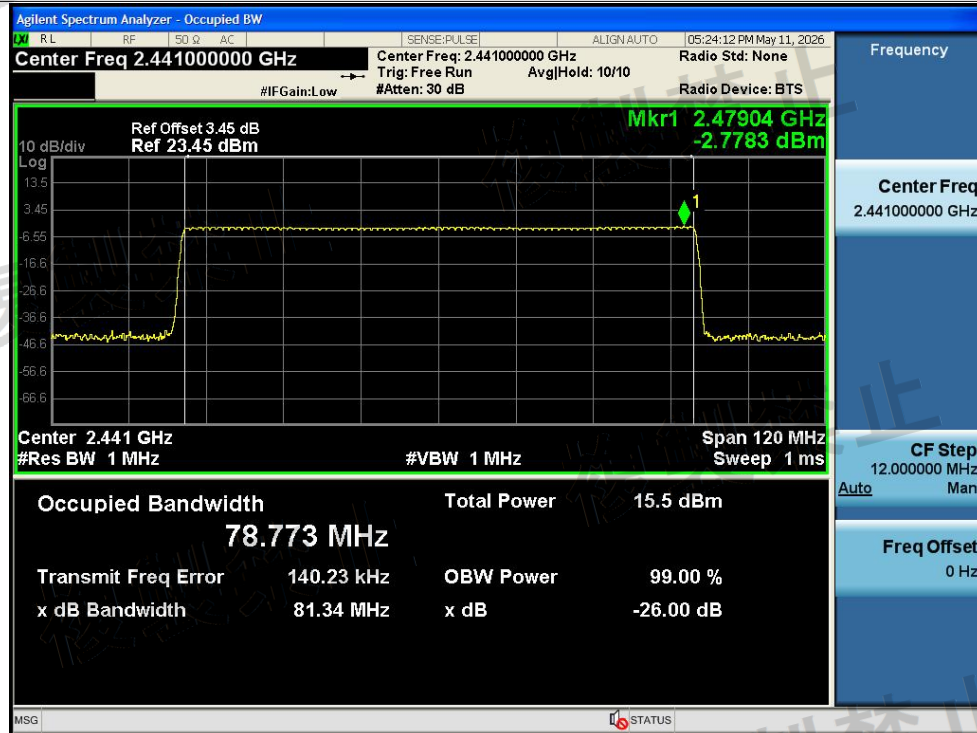


Occupied Channel Bandwidth (Hopping)

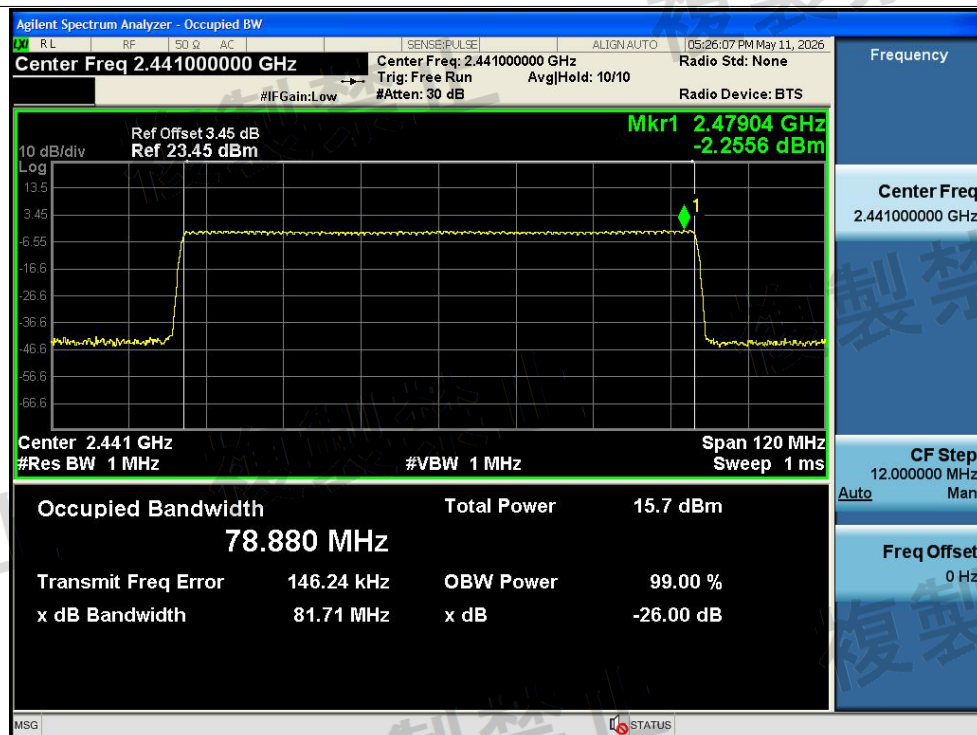
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	1-DH5	Hopping	Ant1	78.773	N/A	83.5	Pass
NVNT	2-DH5	Hopping	Ant1	78.88	N/A	83.5	Pass
NVNT	3-DH5	Hopping	Ant1	78.836	N/A	83.5	Pass

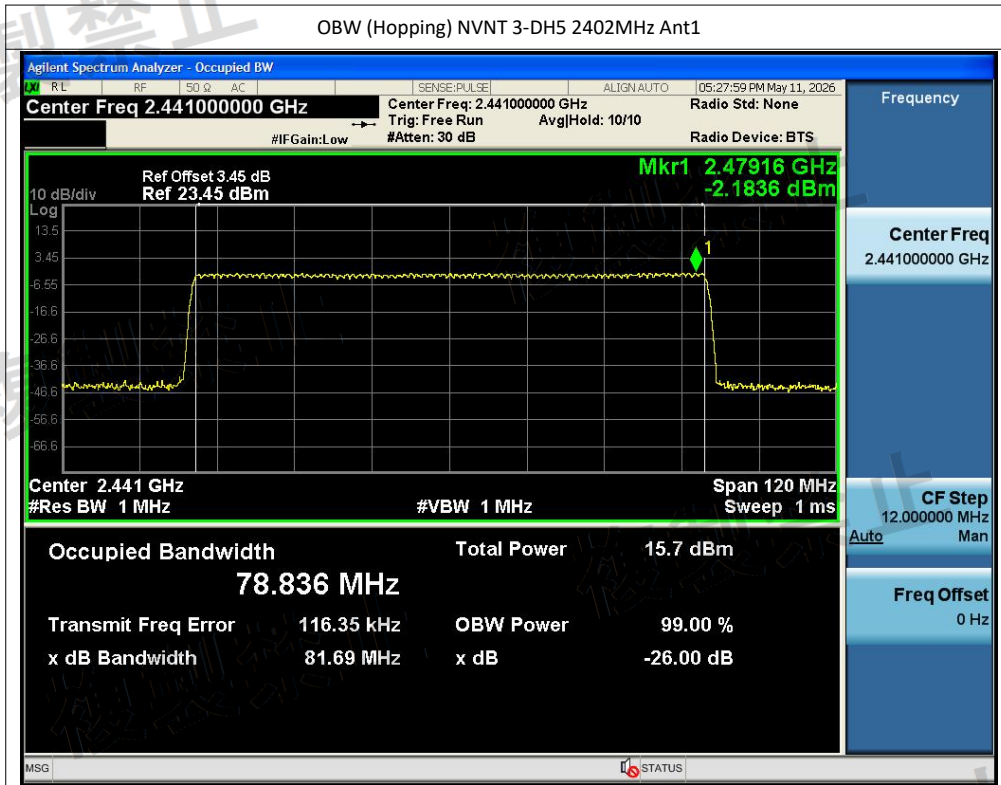
Test Graphs

OBW (Hopping) NVNT 1-DH5 2402MHz Ant1



OBW (Hopping) NVNT 2-DH5 2402MHz Ant1



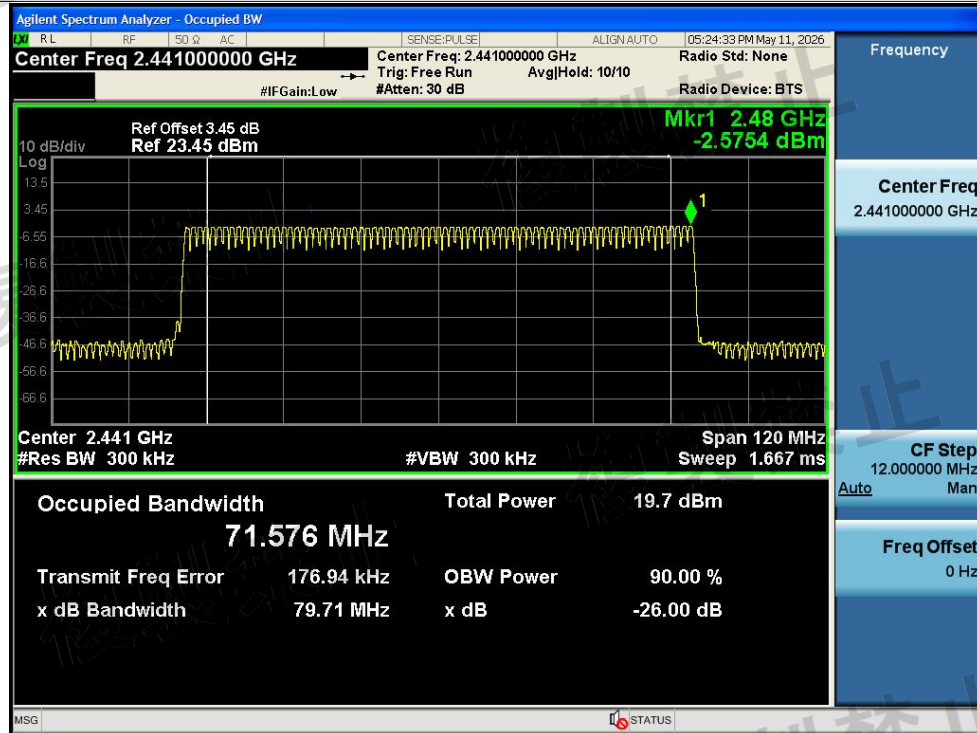


Spreading Bandwidth

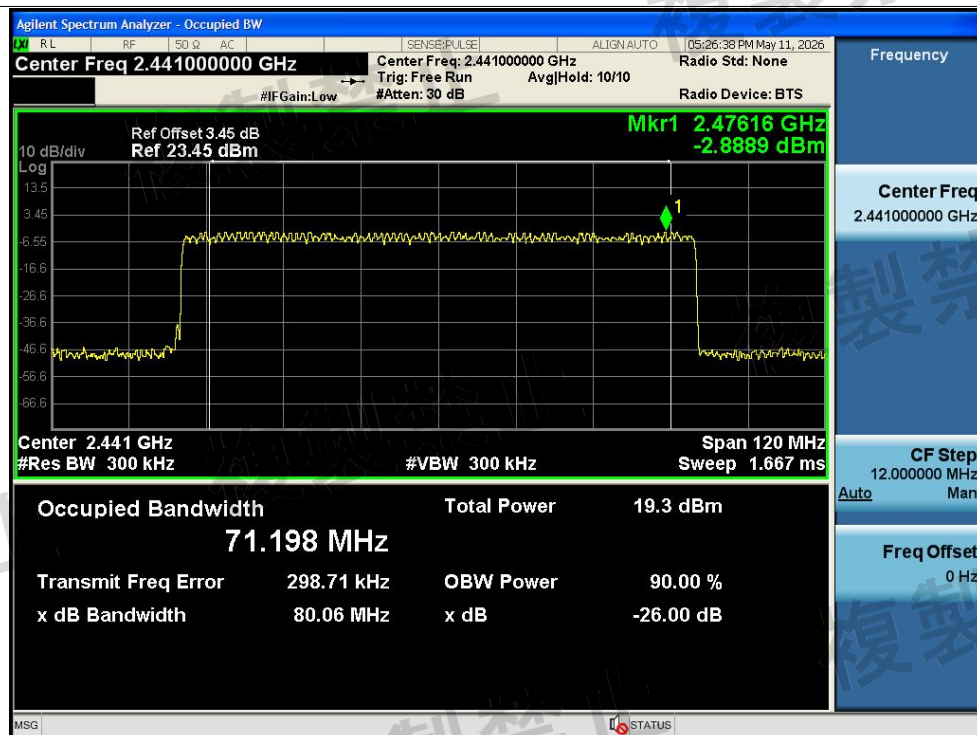
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)
NVNT	1-DH5	2402	Ant1	71.576
NVNT	2-DH5	2402	Ant1	71.198
NVNT	3-DH5	2402	Ant1	71.633

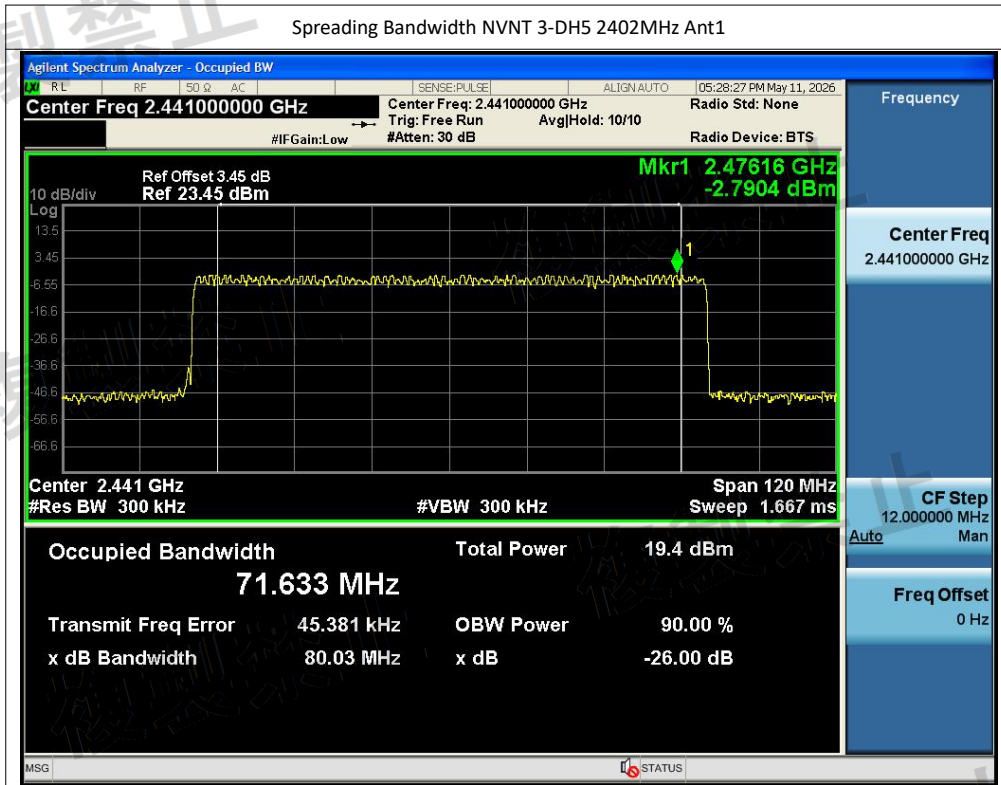
Test Graphs

Spreading Bandwidth NVNT 1-DH5 2402MHz Ant1



Spreading Bandwidth NVNT 2-DH5 2402MHz Ant1





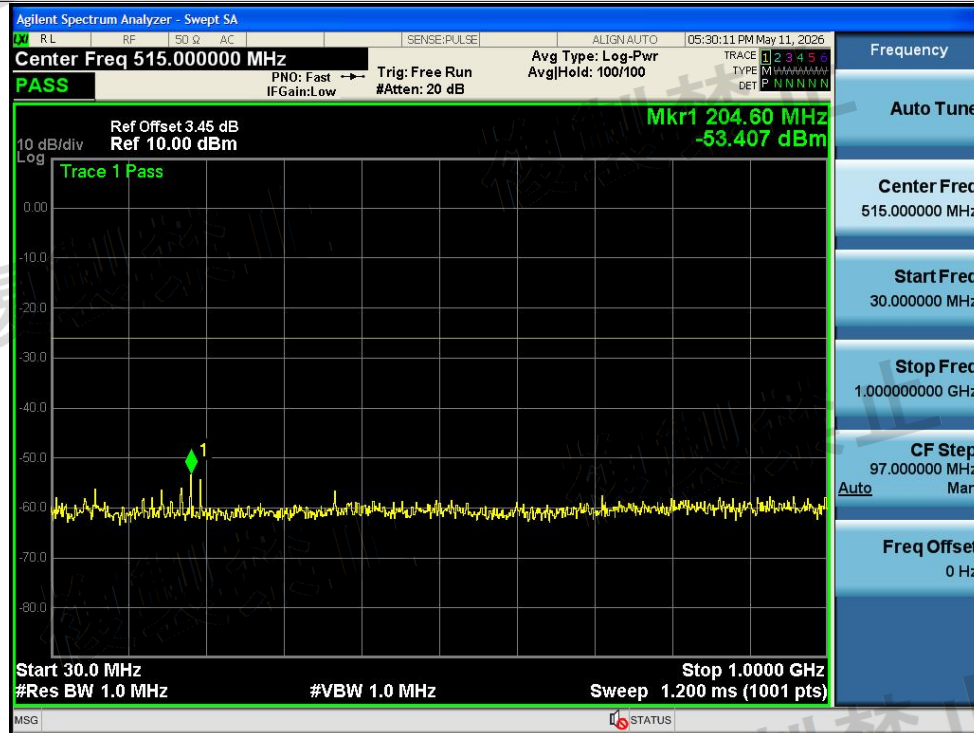
Tx Spurious Emission

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	1-DH5	2402	Ant1	30-1000	204.60	-53.40	NA	0.0046	NA	2.5	2.5	Pass
NVNT	1-DH5	2402	Ant1	1000-2387	2378.68	-43.15	NA	0.0484	NA	2.5	2.5	Pass
NVNT	1-DH5	2402	Ant1	2387-2400	2400.00	-37.10	NA	0.195	NA	25	25	Pass
NVNT	1-DH5	2402	Ant1	2483.5-2496.5	2496.15	-56.56	NA	0.0022	NA	25	25	Pass
NVNT	1-DH5	2402	Ant1	2496.5-13000	5321.94	-44.15	NA	0.0385	NA	2.5	2.5	Pass
NVNT	1-DH5	2441	Ant1	30-1000	204.60	-52.57	NA	0.0055	NA	2.5	2.5	Pass
NVNT	1-DH5	2441	Ant1	1000-2387	2345.39	-54.13	NA	0.0039	NA	2.5	2.5	Pass
NVNT	1-DH5	2441	Ant1	2387-2400	2393.15	-50.43	NA	0.0091	NA	25	25	Pass
NVNT	1-DH5	2441	Ant1	2483.5-2496.5	2488.86	-49.36	NA	0.0116	NA	25	25	Pass
NVNT	1-DH5	2441	Ant1	2496.5-13000	4880.79	-47.22	NA	0.019	NA	2.5	2.5	Pass
NVNT	1-DH5	2480	Ant1	30-1000	204.60	-52.69	NA	0.0054	NA	2.5	2.5	Pass
NVNT	1-DH5	2480	Ant1	1000-2387	2384.23	-53.83	NA	0.0041	NA	2.5	2.5	Pass
NVNT	1-DH5	2480	Ant1	2387-2400	2399.30	-57.05	NA	0.002	NA	25	25	Pass
NVNT	1-DH5	2480	Ant1	2483.5-2496.5	2483.71	-43.79	NA	0.0418	NA	25	25	Pass
NVNT	1-DH5	2480	Ant1	2496.5-13000	2507.00	-44.83	NA	0.0329	NA	2.5	2.5	Pass
NVNT	2-DH5	2402	Ant1	30-1000	204.60	-52.77	NA	0.0053	NA	2.5	2.5	Pass
NVNT	2-DH5	2402	Ant1	1000-2387	2378.68	-45.94	NA	0.0255	NA	2.5	2.5	Pass
NVNT	2-DH5	2402	Ant1	2387-2400	2400.00	-34.67	NA	0.3412	NA	25	25	Pass
NVNT	2-DH5	2402	Ant1	2483.5-2496.5	2495.82	-56.16	NA	0.0024	NA	25	25	Pass
NVNT	2-DH5	2402	Ant1	2496.5-13000	9607.37	-48.20	NA	0.0151	NA	2.5	2.5	Pass
NVNT	2-DH5	2441	Ant1	30-1000	204.60	-52.92	NA	0.0051	NA	2.5	2.5	Pass
NVNT	2-DH5	2441	Ant1	1000-2387	2345.39	-53.99	NA	0.004	NA	2.5	2.5	Pass
NVNT	2-DH5	2441	Ant1	2387-2400	2393.32	-50.12	NA	0.0097	NA	25	25	Pass
NVNT	2-DH5	2441	Ant1	2483.5-2496.5	2488.90	-49.44	NA	0.0114	NA	25	25	Pass
NVNT	2-DH5	2441	Ant1	2496.5-13000	4880.79	-47.23	NA	0.0189	NA	2.5	2.5	Pass
NVNT	2-DH5	2480	Ant1	30-1000	204.60	-53.15	NA	0.0048	NA	2.5	2.5	Pass
NVNT	2-DH5	2480	Ant1	1000-2387	1768.40	-44.70	NA	0.0339	NA	2.5	2.5	Pass
NVNT	2-DH5	2480	Ant1	2387-2400	2399.45	-56.04	NA	0.0025	NA	25	25	Pass
NVNT	2-DH5	2480	Ant1	2483.5-2496.5	2483.81	-43.60	NA	0.0437	NA	25	25	Pass
NVNT	2-DH5	2480	Ant1	2496.5-13000	2507.00	-44.84	NA	0.0328	NA	2.5	2.5	Pass
NVNT	3-DH5	2402	Ant1	30-1000	204.60	-53.54	NA	0.0044	NA	2.5	2.5	Pass
NVNT	3-DH5	2402	Ant1	1000-2387	2378.68	-43.84	NA	0.0413	NA	2.5	2.5	Pass
NVNT	3-DH5	2402	Ant1	2387-2400	2400.00	-34.92	NA	0.3221	NA	25	25	Pass
NVNT	3-DH5	2402	Ant1	2483.5-2496.5	2495.46	-56.55	NA	0.0022	NA	25	25	Pass
NVNT	3-DH5	2402	Ant1	2496.5-13000	4796.77	-47.86	NA	0.0164	NA	2.5	2.5	Pass

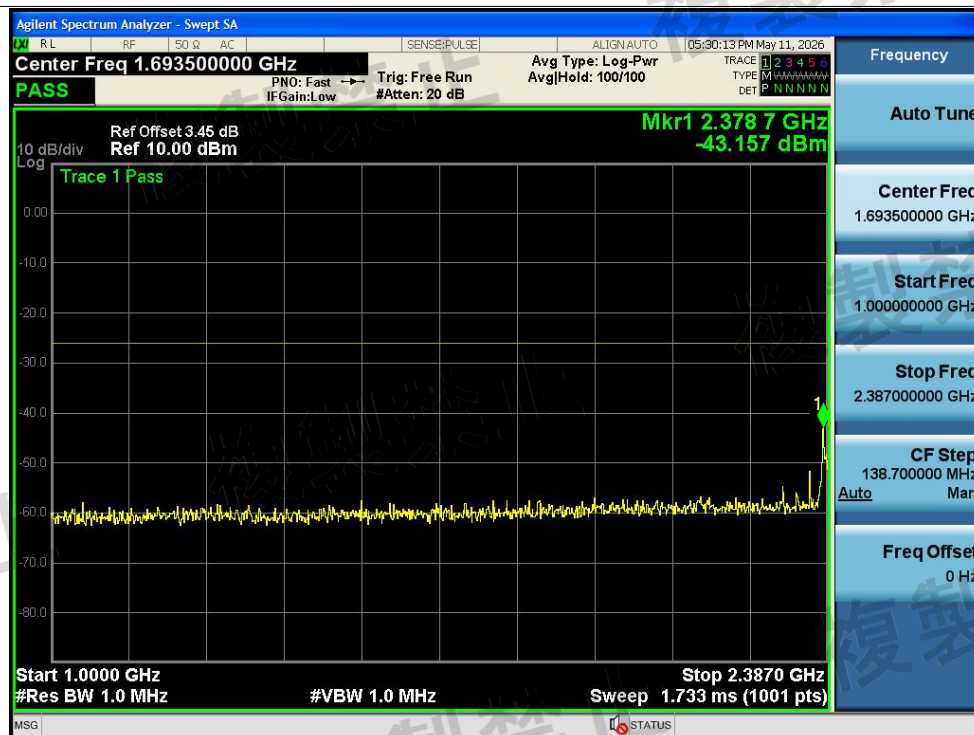
NVNT	3-DH5	2441	Ant1	30-1000	204.60	-53.38	NA	0.0046	NA	2.5	2.5	Pass
NVNT	3-DH5	2441	Ant1	1000-2387	2345.39	-54.89	NA	0.0032	NA	2.5	2.5	Pass
NVNT	3-DH5	2441	Ant1	2387-2400	2393.12	-51.33	NA	0.0074	NA	25	25	Pass
NVNT	3-DH5	2441	Ant1	2483.5-2496.5	2488.91	-49.59	NA	0.011	NA	25	25	Pass
NVNT	3-DH5	2441	Ant1	2496.5-13000	4880.79	-46.88	NA	0.0205	NA	2.5	2.5	Pass
NVNT	3-DH5	2480	Ant1	30-1000	204.60	-52.65	NA	0.0054	NA	2.5	2.5	Pass
NVNT	3-DH5	2480	Ant1	1000-2387	2384.23	-54.26	NA	0.0037	NA	2.5	2.5	Pass
NVNT	3-DH5	2480	Ant1	2387-2400	2396.65	-56.88	NA	0.0021	NA	25	25	Pass
NVNT	3-DH5	2480	Ant1	2483.5-2496.5	2483.58	-43.58	NA	0.0439	NA	25	25	Pass
NVNT	3-DH5	2480	Ant1	2496.5-13000	2507.00	-45.72	NA	0.0268	NA	2.5	2.5	Pass

Test Graphs

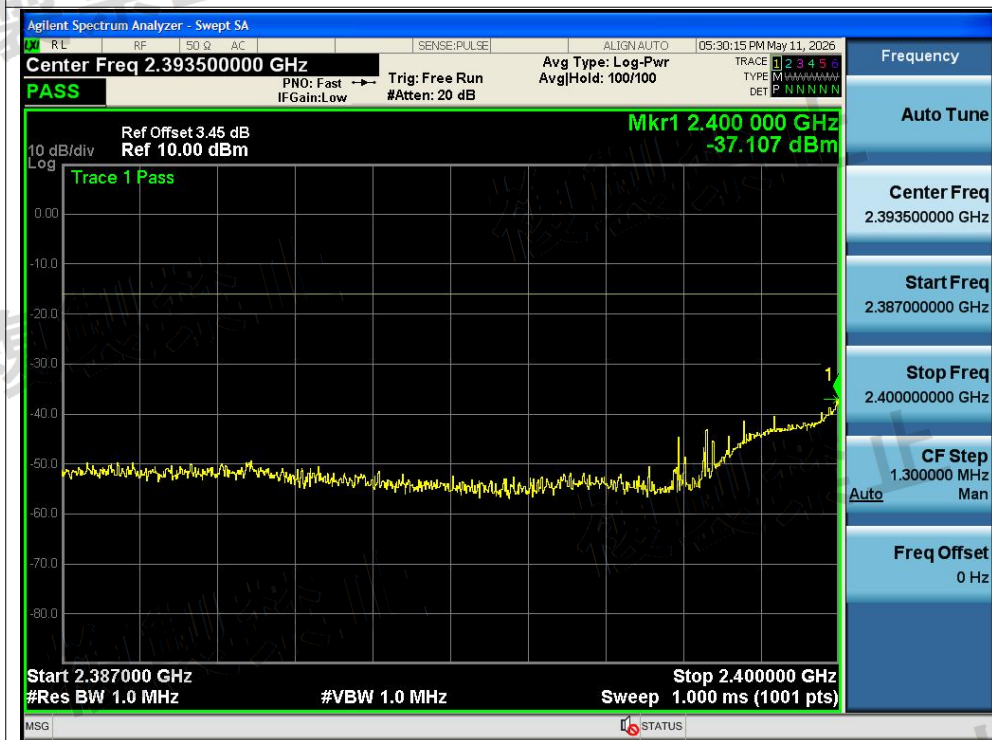
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 30MHz-1000MHz



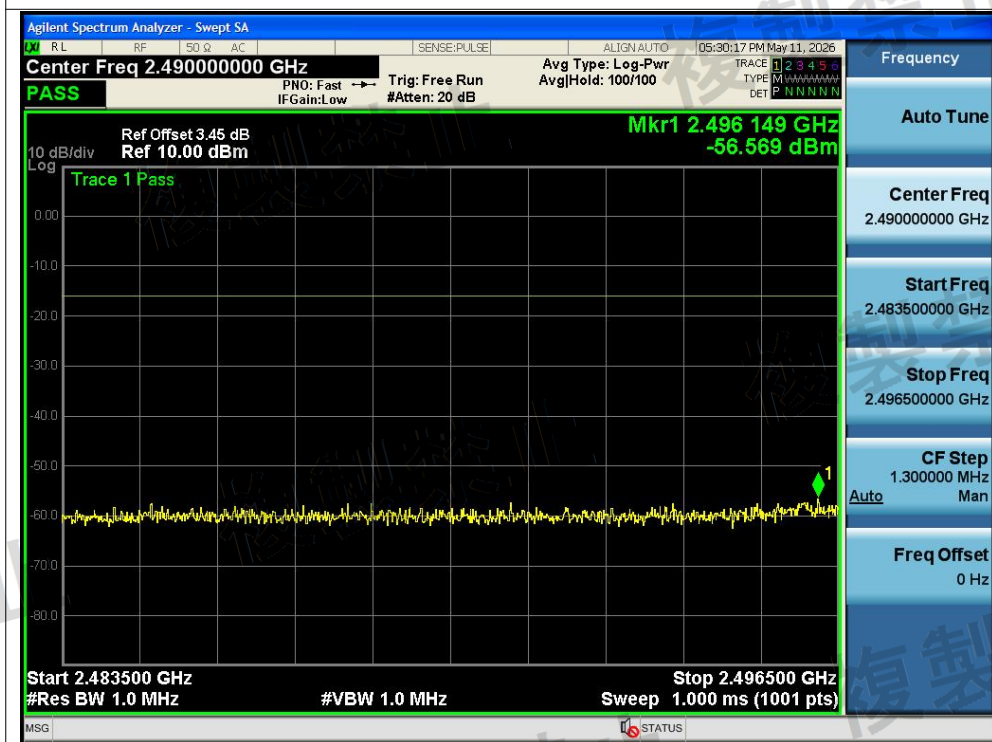
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 1000MHz-2387MHz



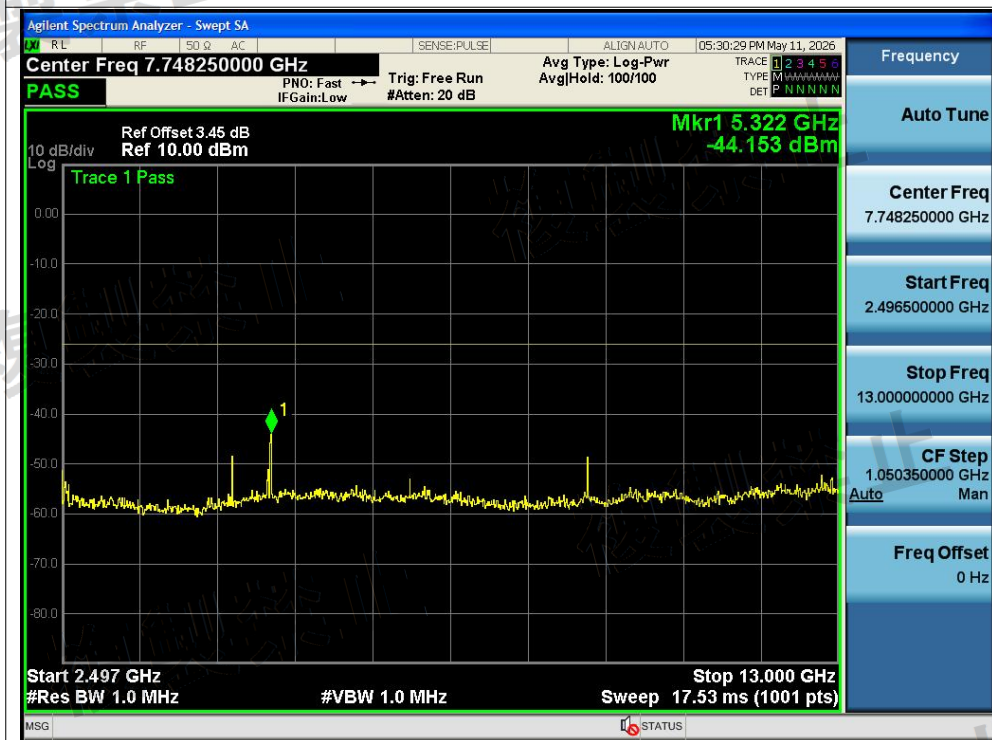
Tx: Spurious NVNT 1-DH5 2402MHz Ant1 @ 2387MHz-2400MHz



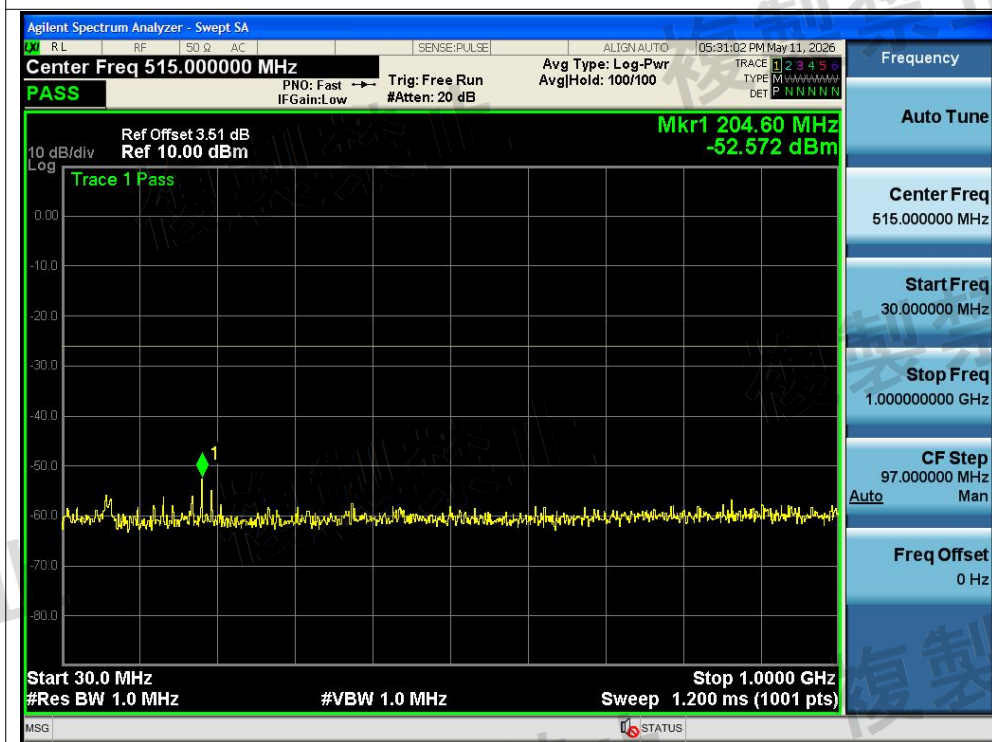
Tx: Spurious NVNT 1-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



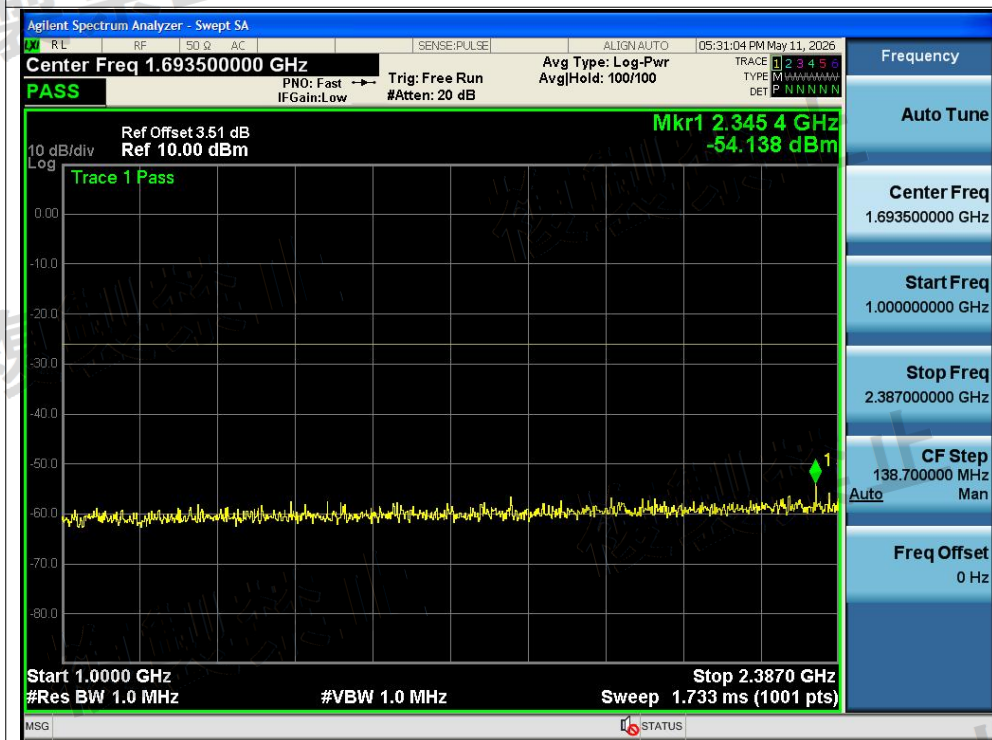
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



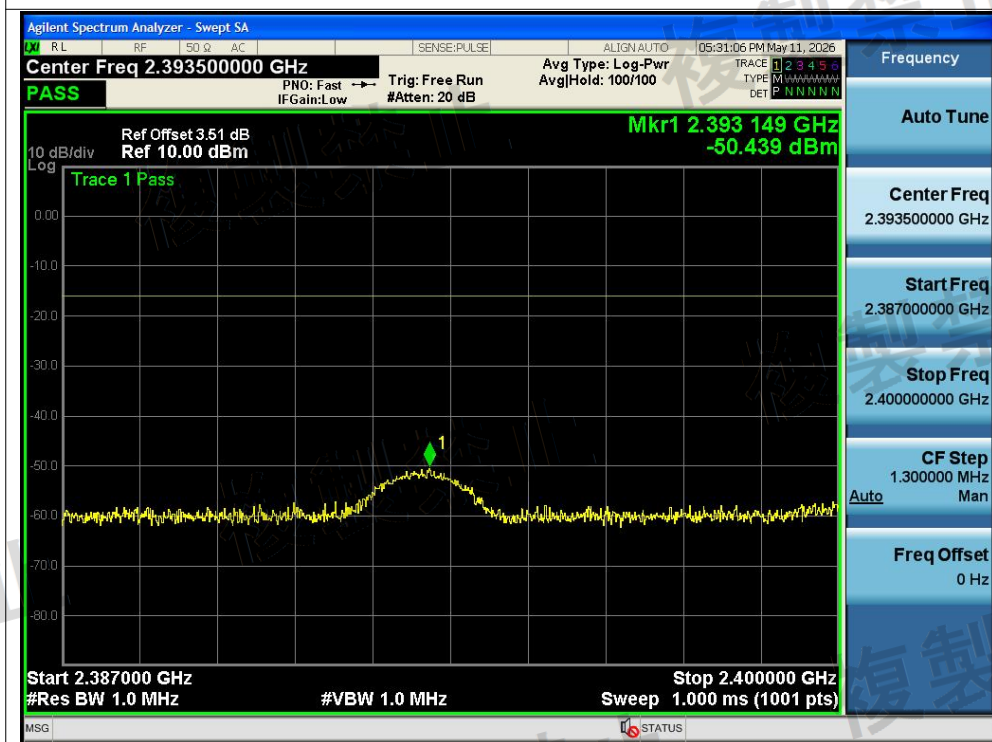
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 30MHz-1000MHz



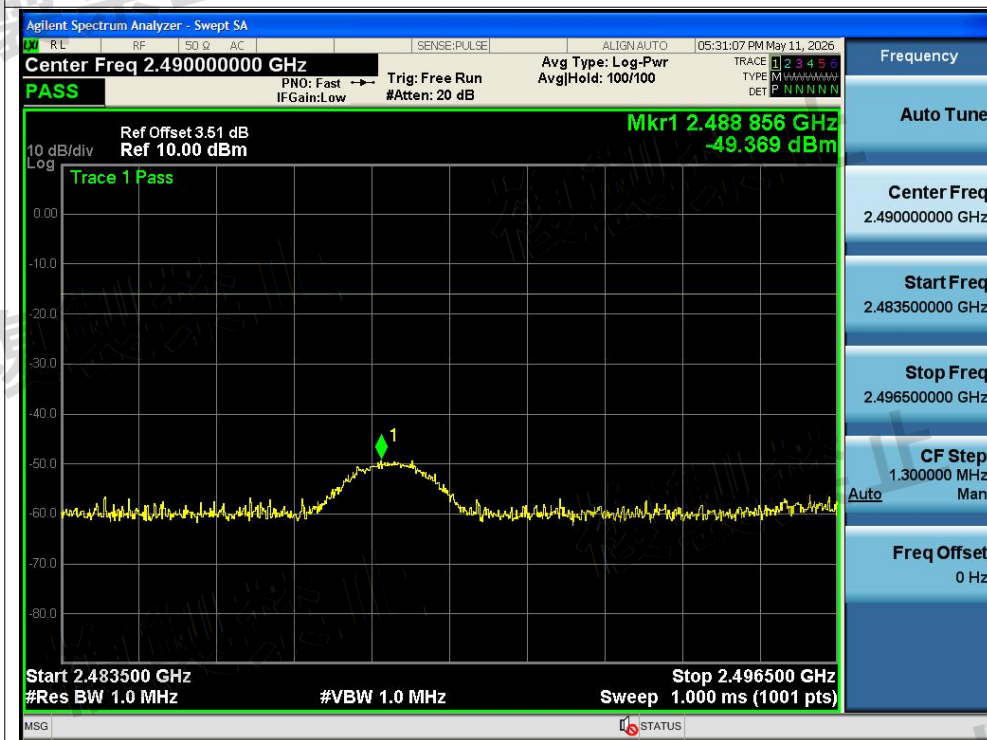
Tx: Spurious NVNT 1-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



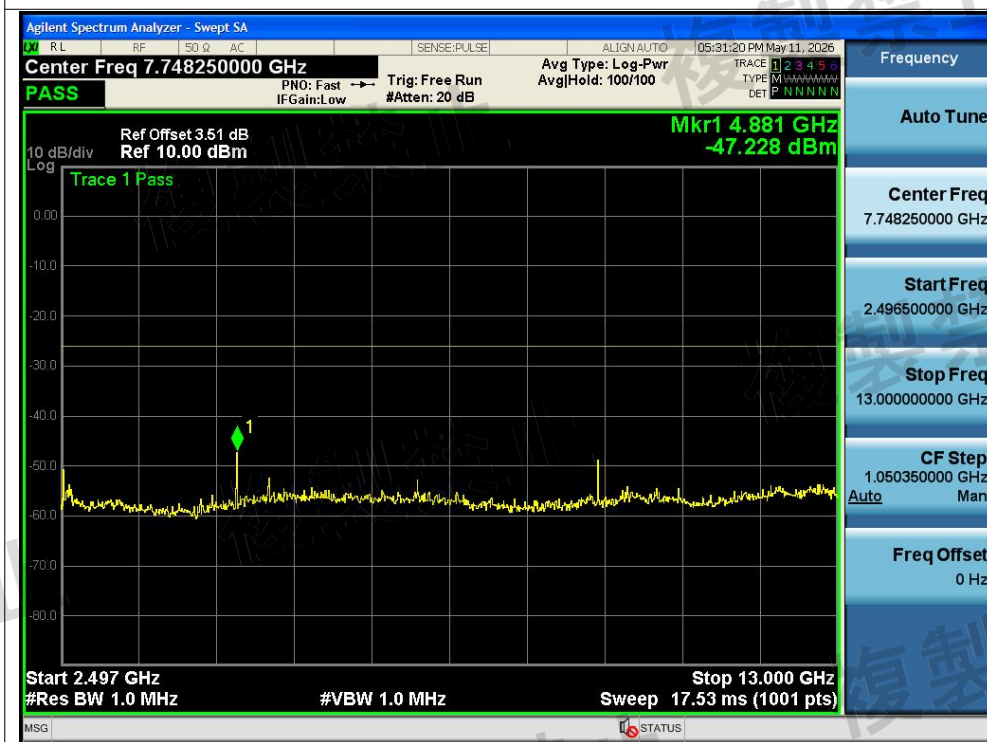
Tx: Spurious NVNT 1-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



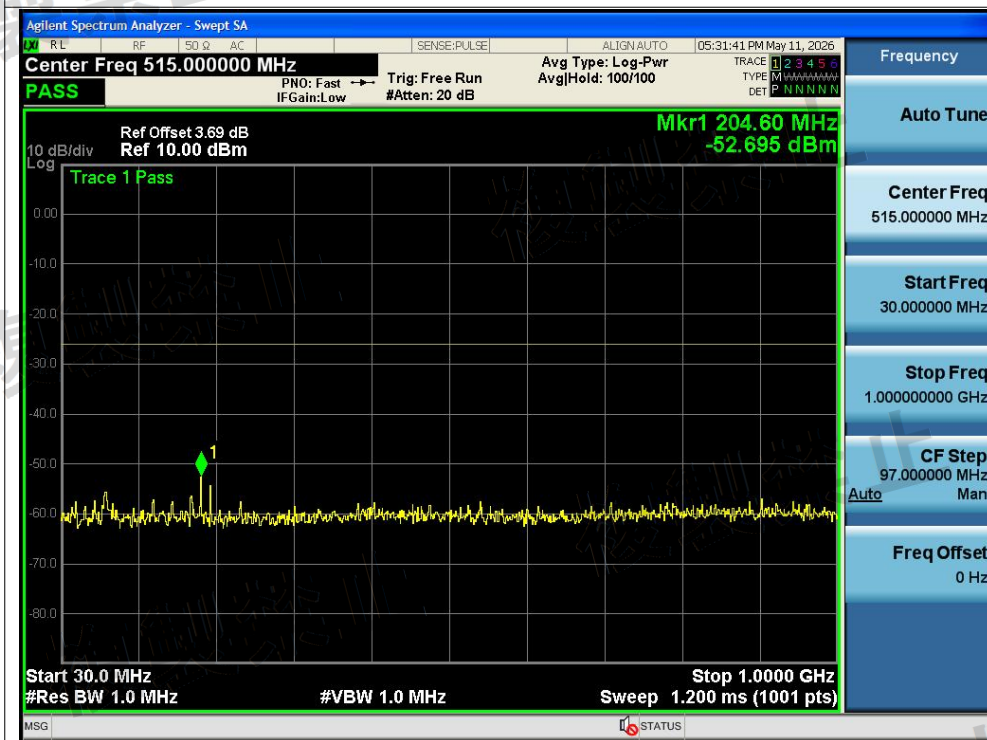
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



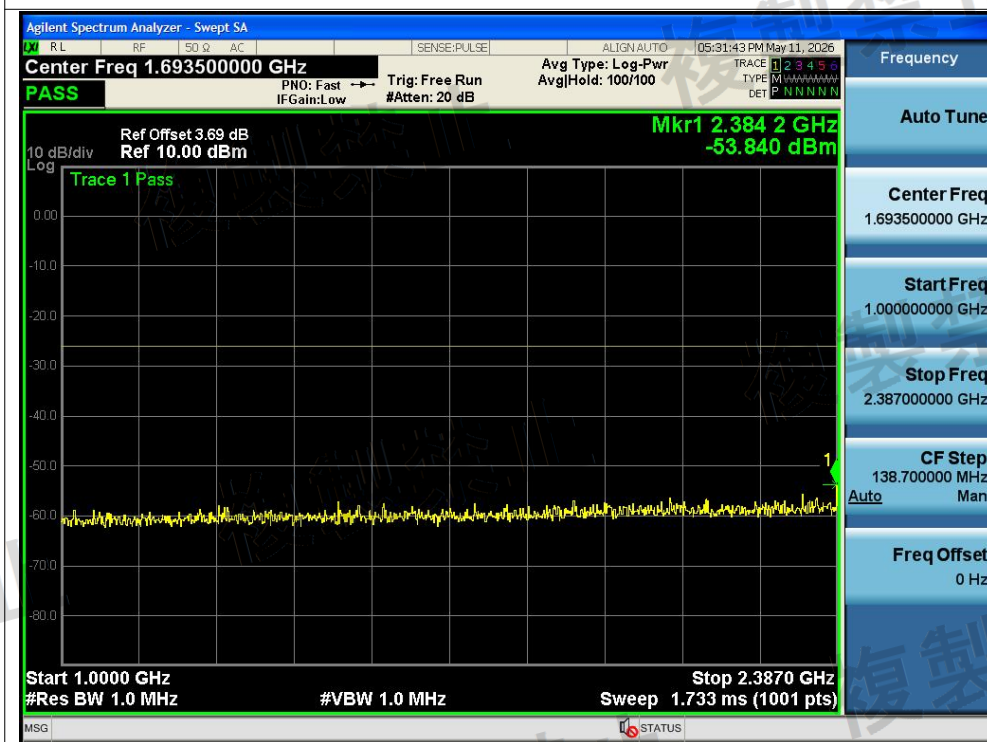
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



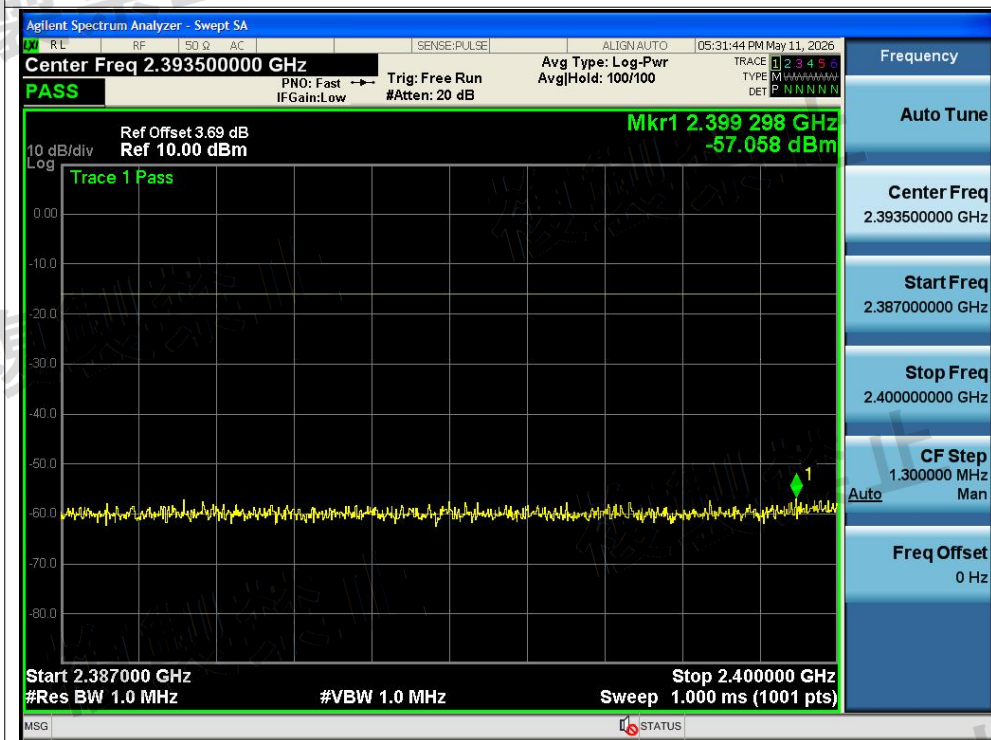
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 30MHz-1000MHz



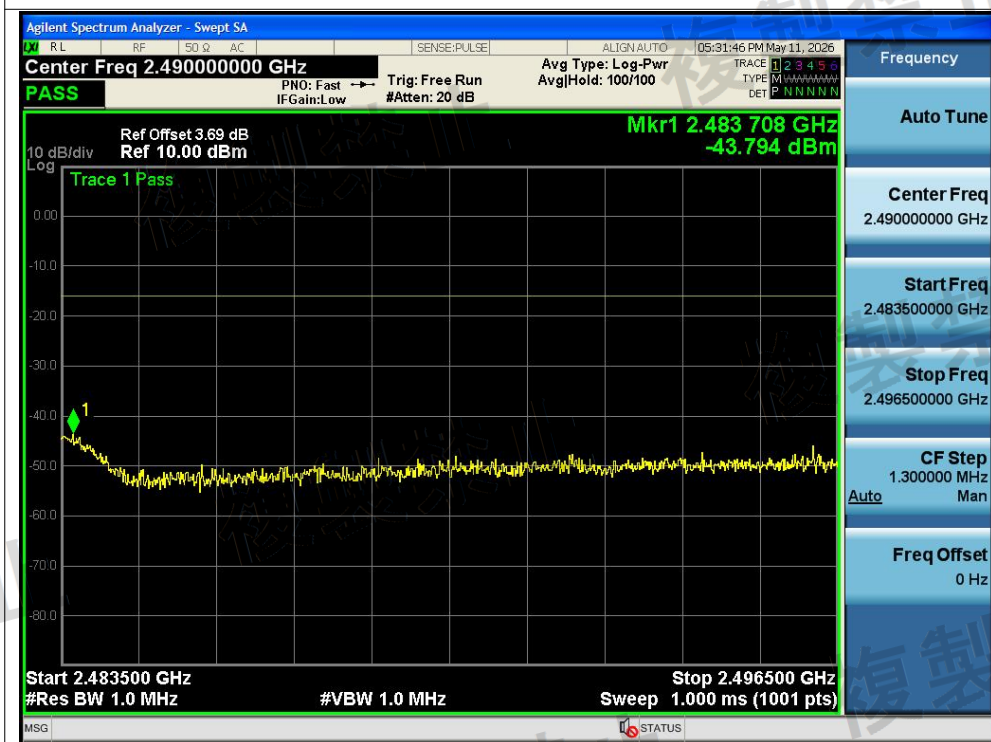
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 1000MHz-2387MHz



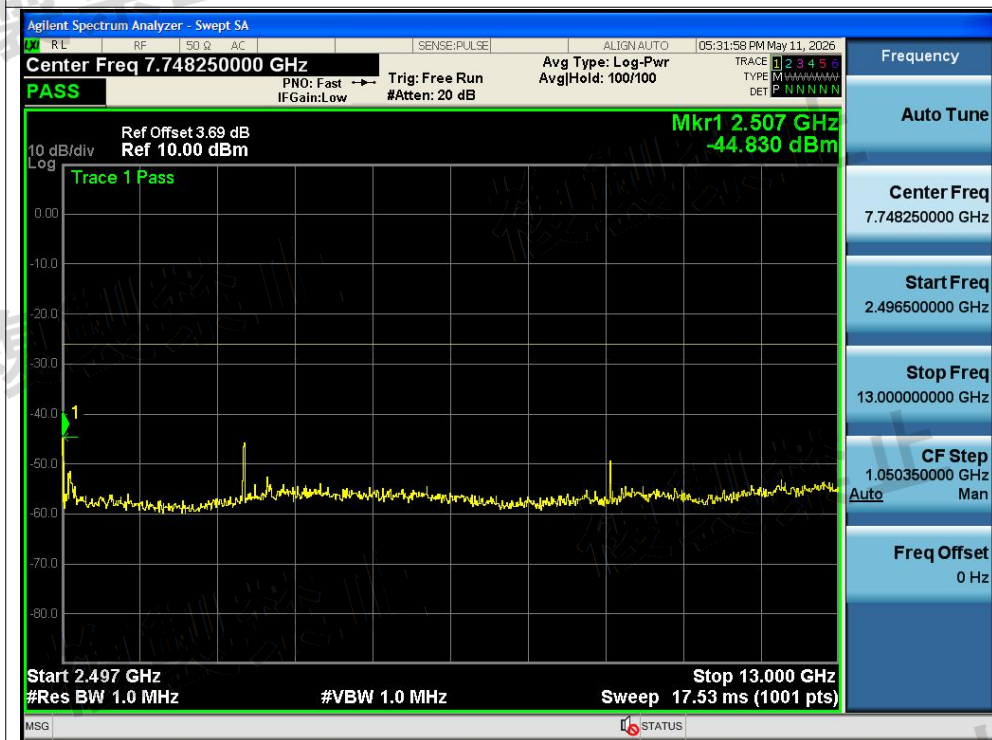
Tx: Spurious NVNT 1-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



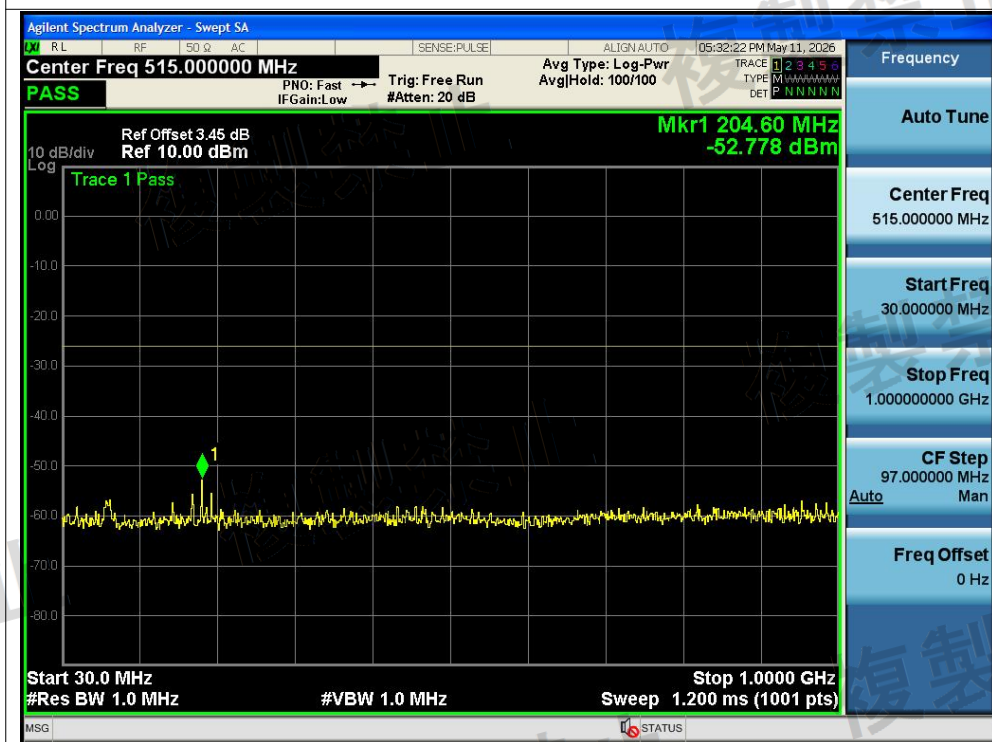
Tx: Spurious NVNT 1-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



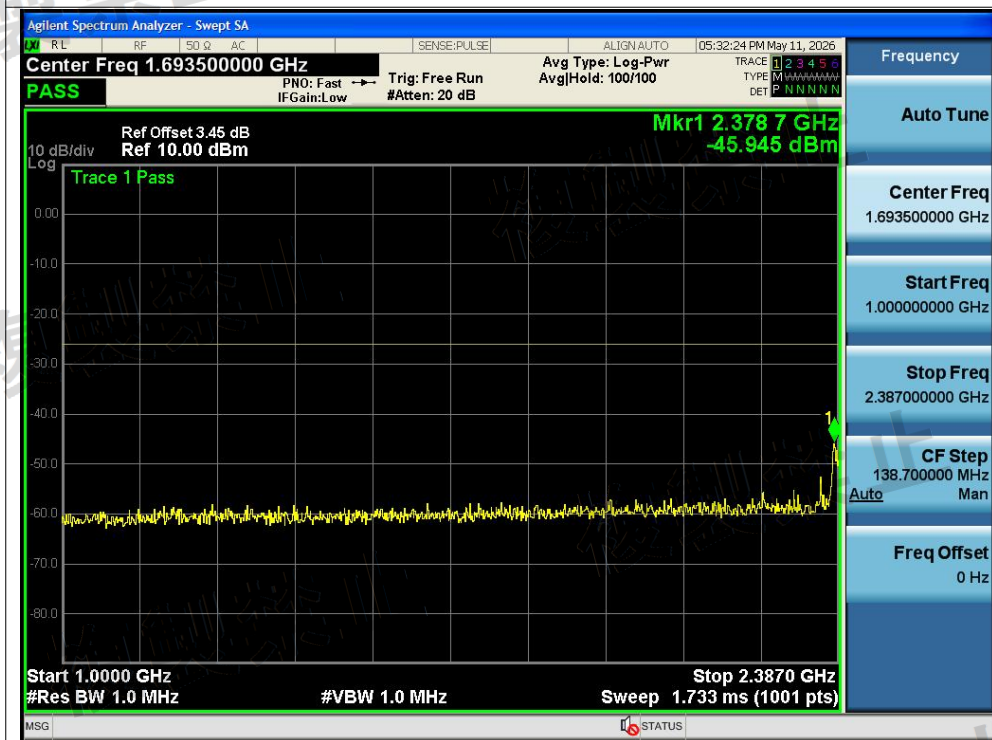
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 2496.5MHz-13000MHz



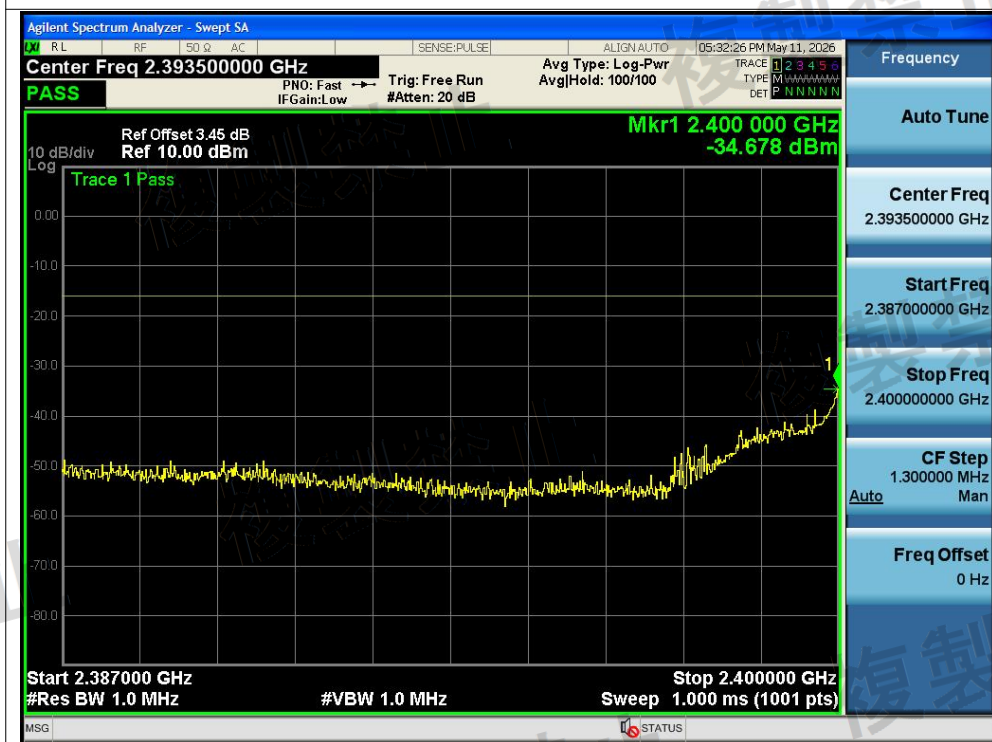
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 30MHz-1000MHz



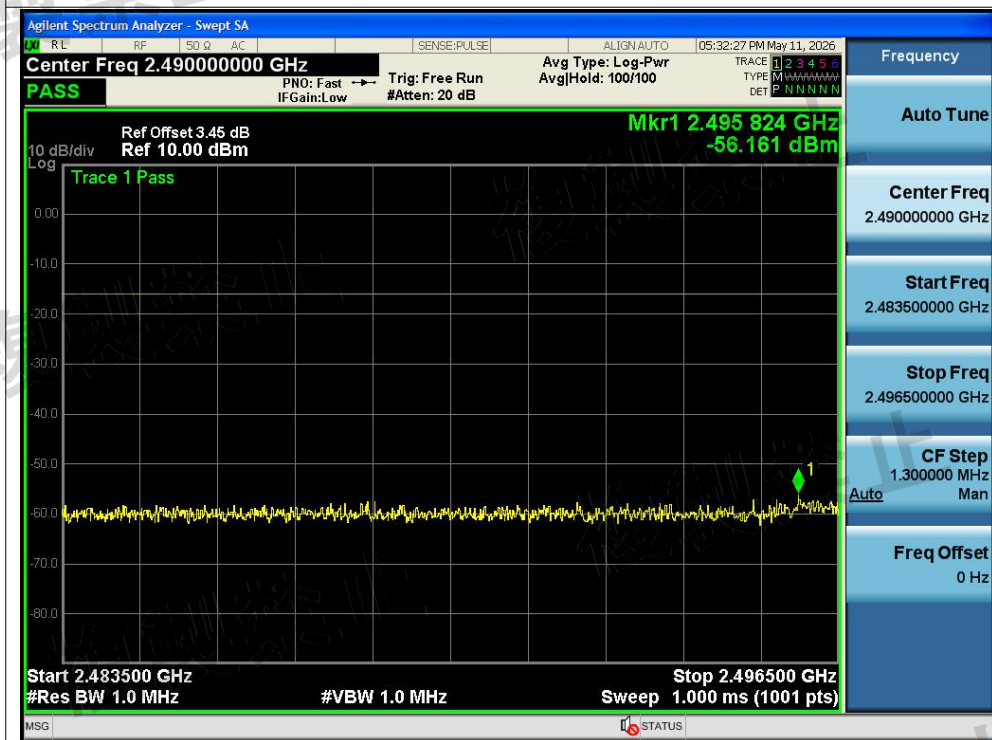
Tx: Spurious NVNT 2-DH5 2402MHz Ant1 @ 1000MHz-2387MHz



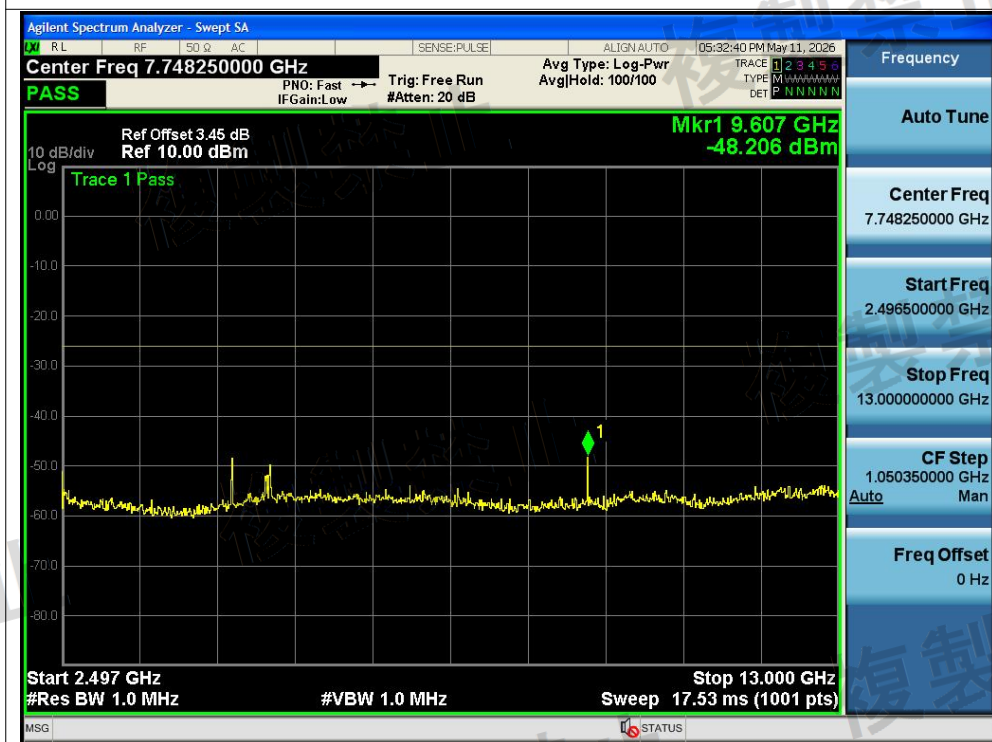
Tx: Spurious NVNT 2-DH5 2402MHz Ant1 @ 2387MHz-2400MHz



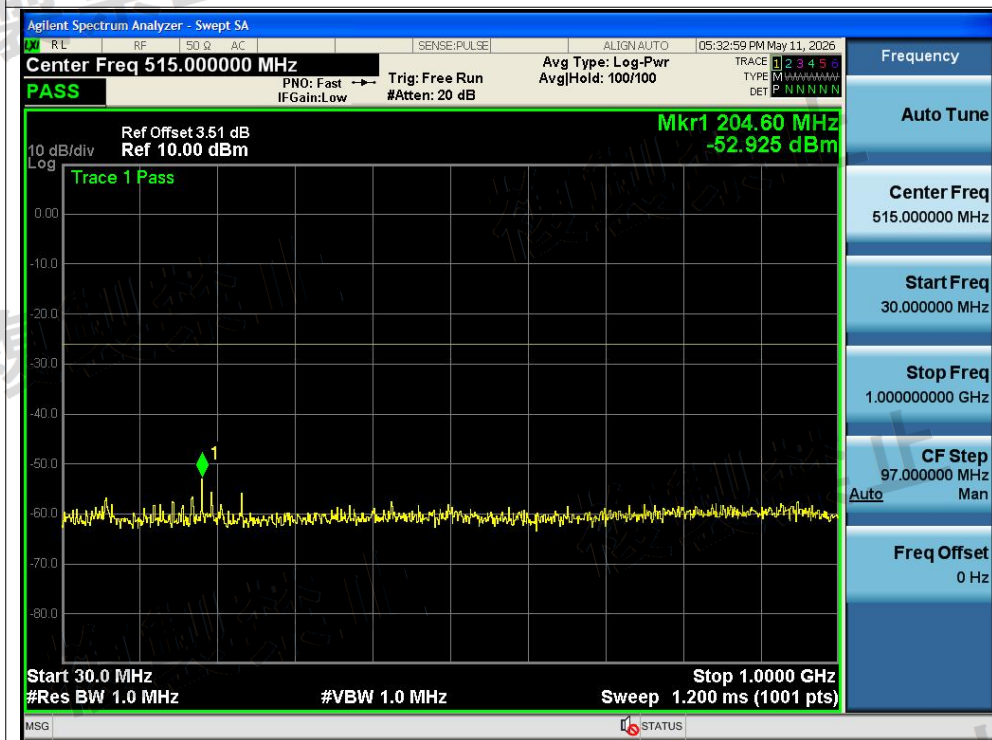
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



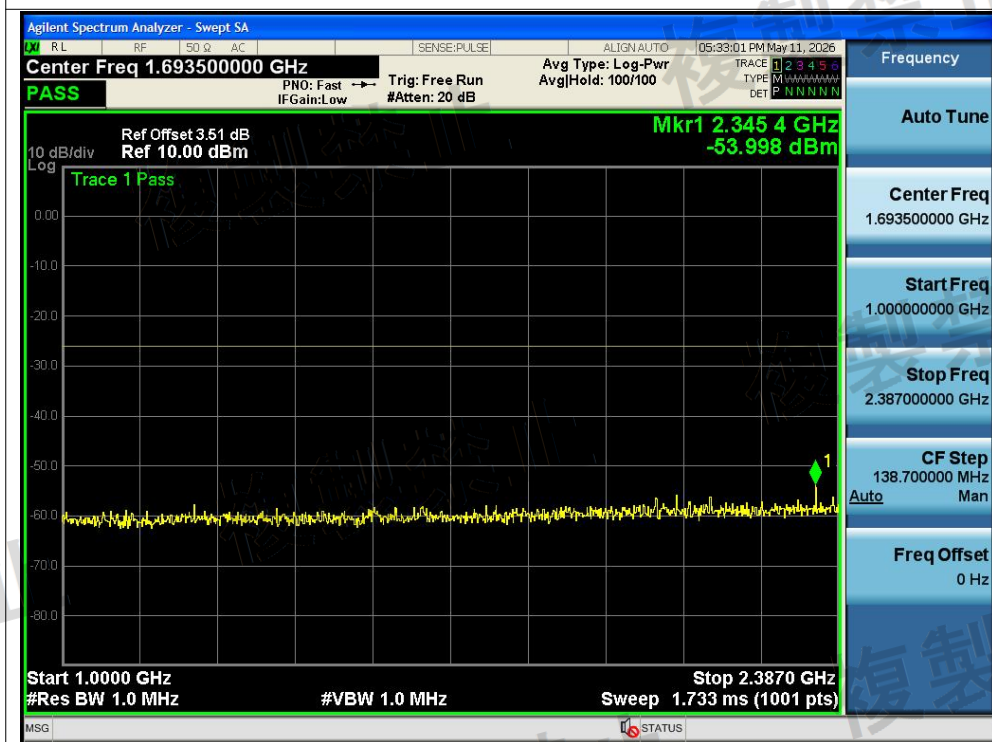
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



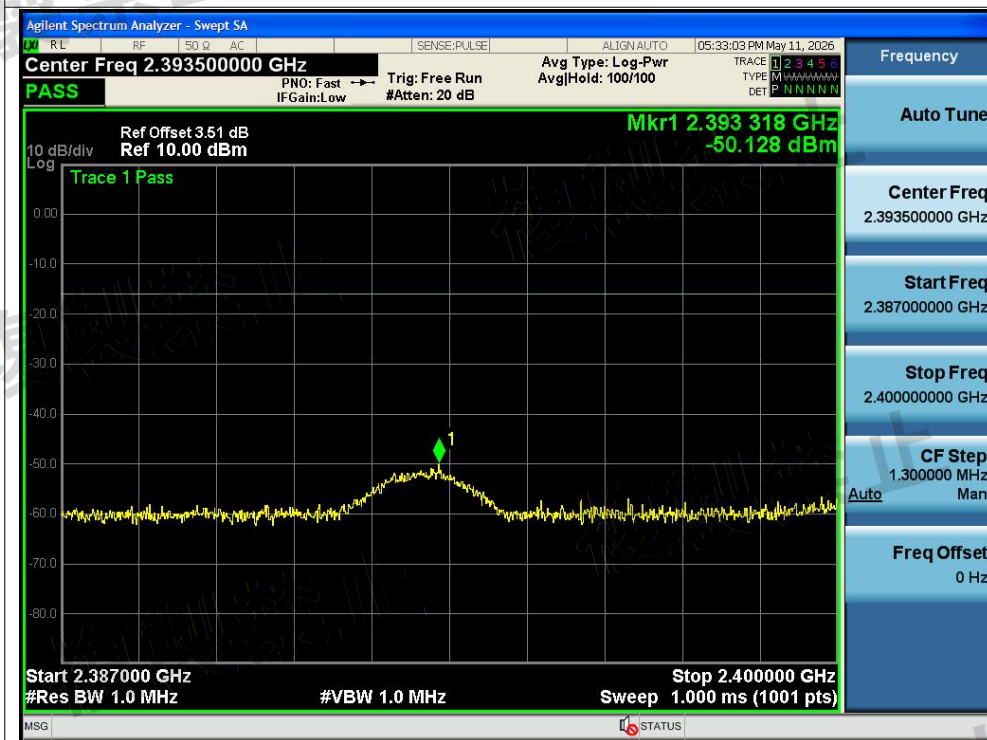
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 30MHz-1000MHz



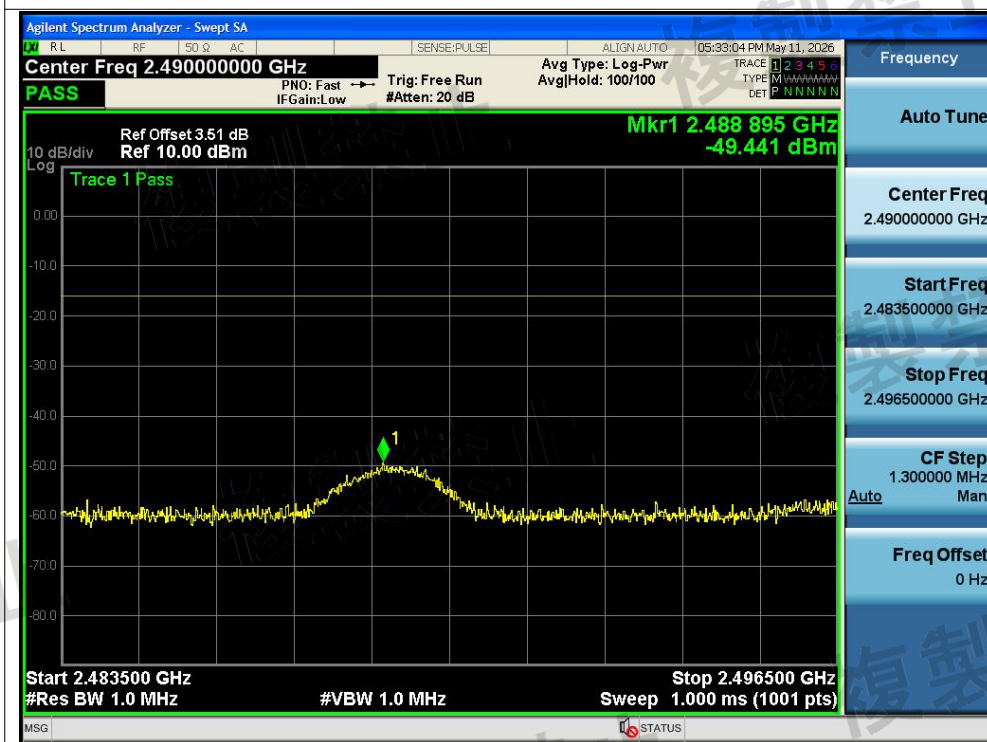
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 1000MHz-2387MHz



Tx: Spurious NVNT 2-DH5 2441MHz Ant1 @ 2387MHz-2400MHz



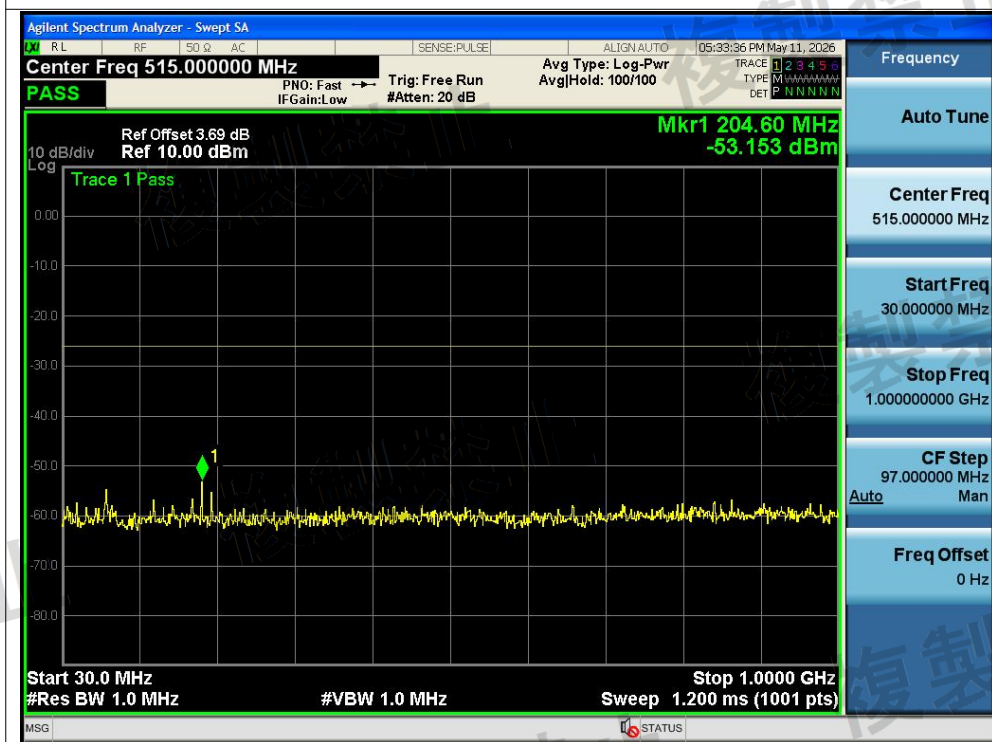
Tx: Spurious NVNT 2-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



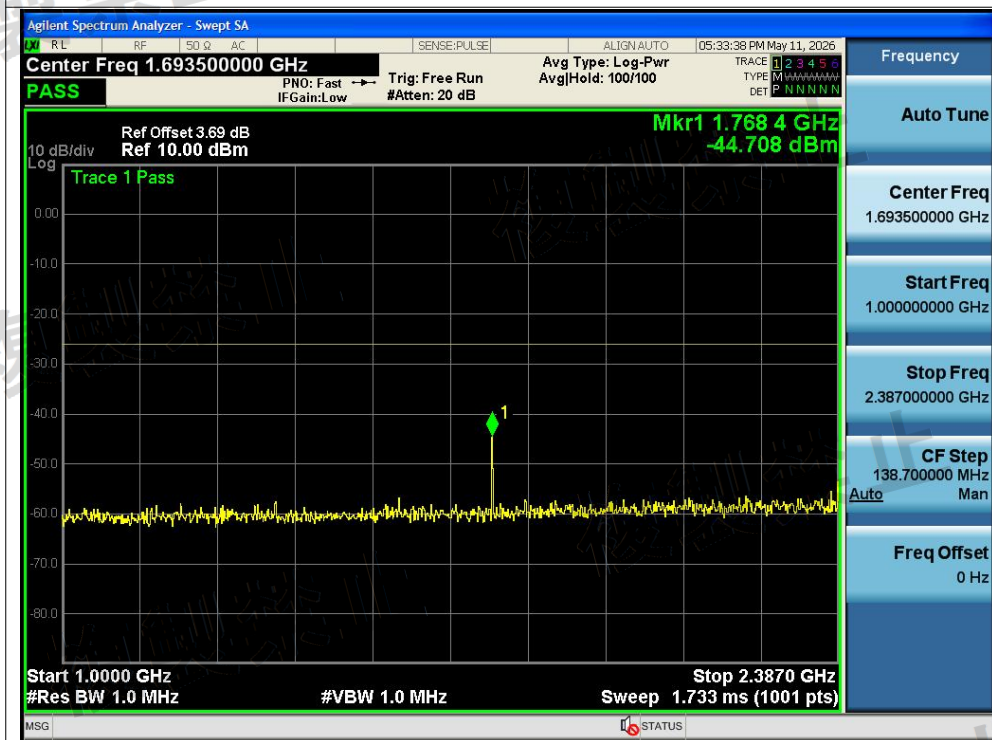
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



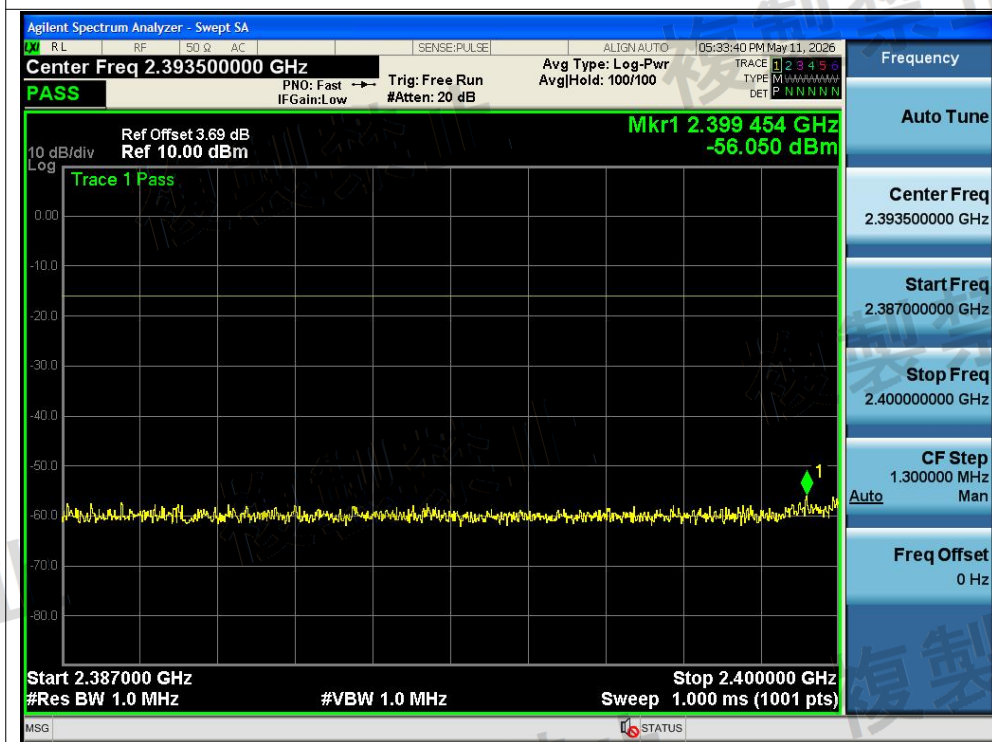
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 30MHz-1000MHz



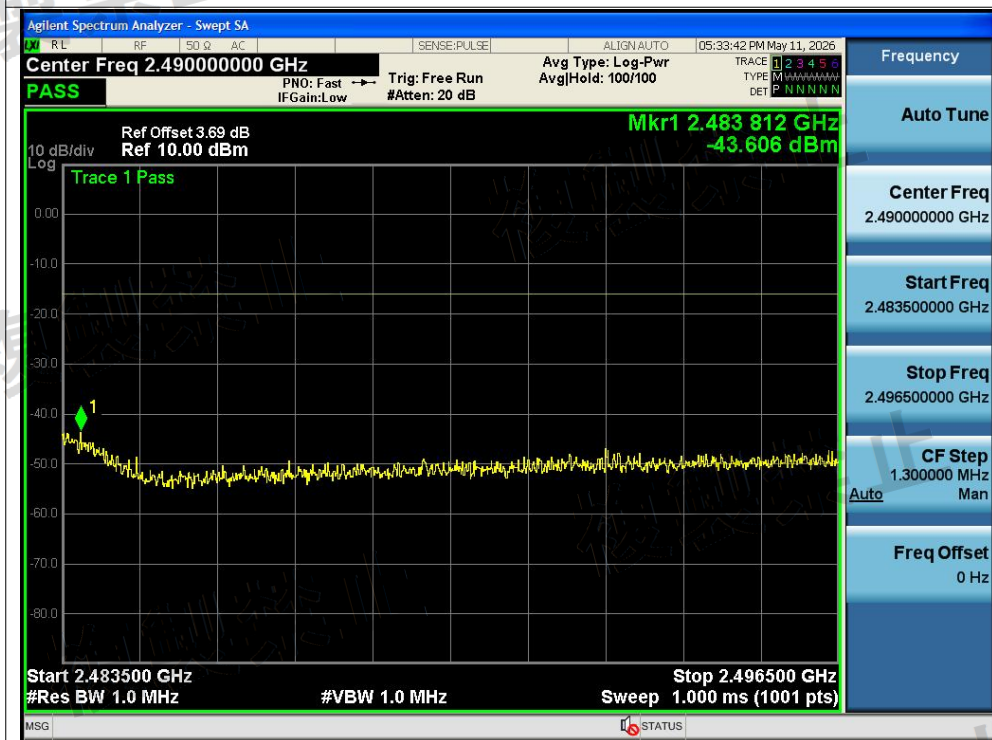
Tx: Spurious NVNT 2-DH5 2480MHz Ant1 @ 1000MHz-2387MHz



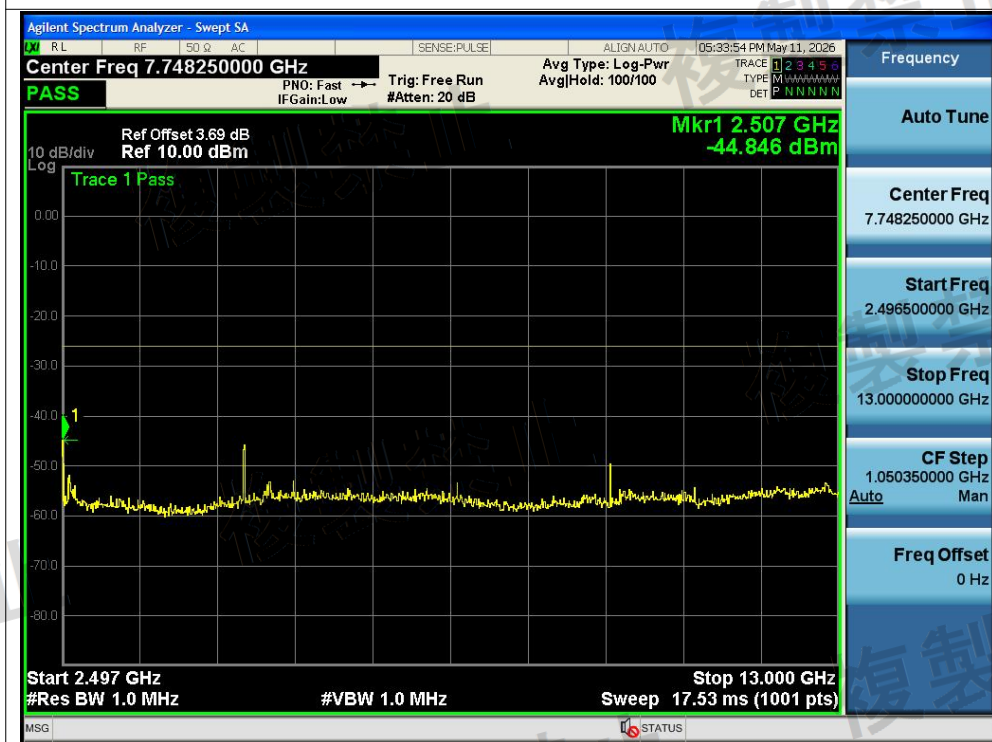
Tx: Spurious NVNT 2-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



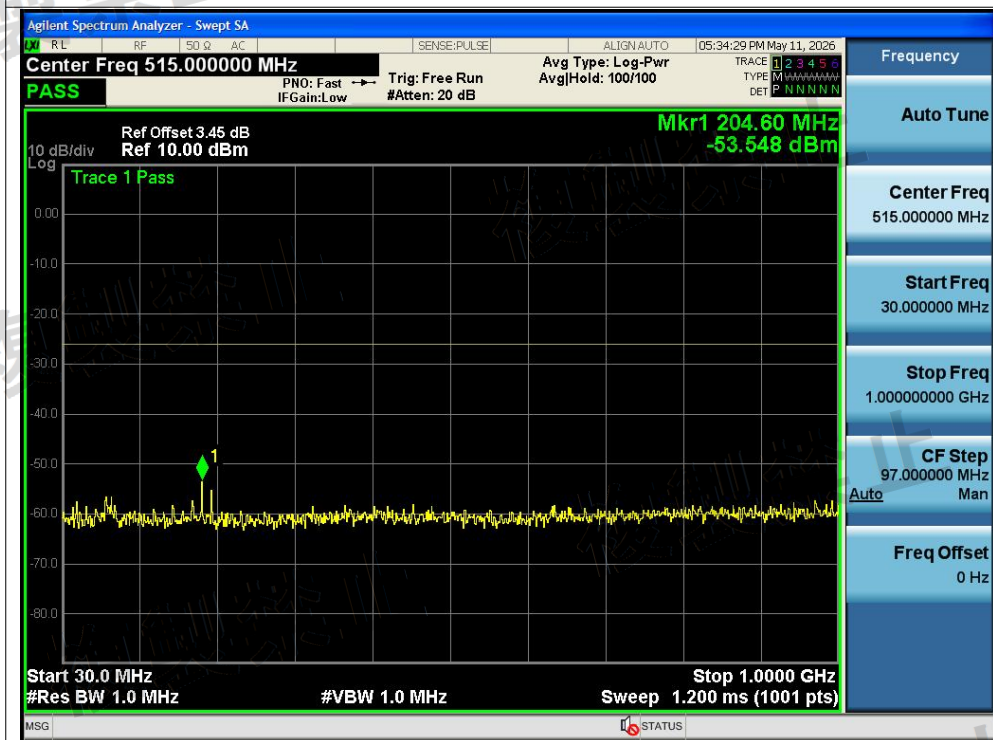
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



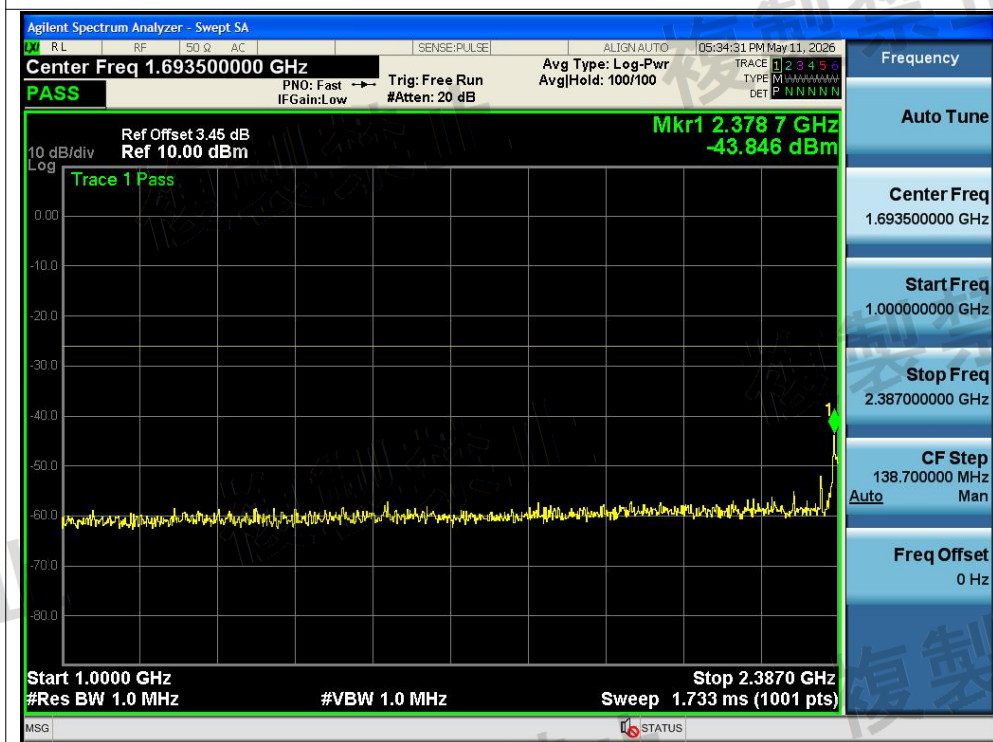
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 2496.5MHz-13000MHz



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 30MHz-1000MHz



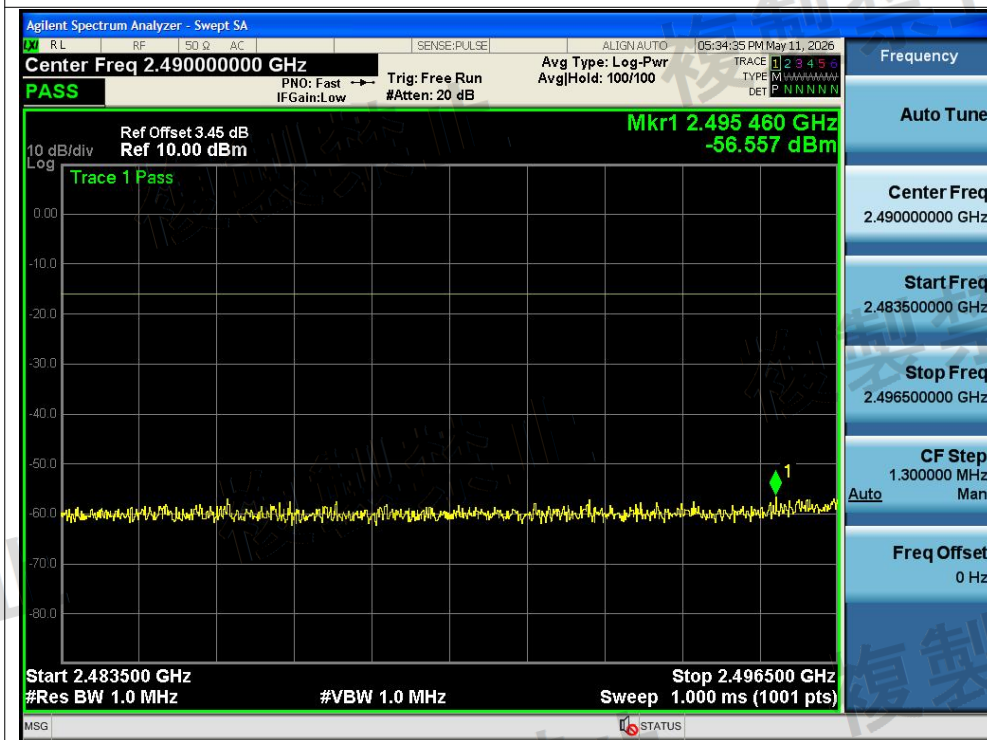
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 1000MHz-2387MHz



Tx: Spurious NVNT 3-DH5 2402MHz Ant1 @ 2387MHz-2400MHz



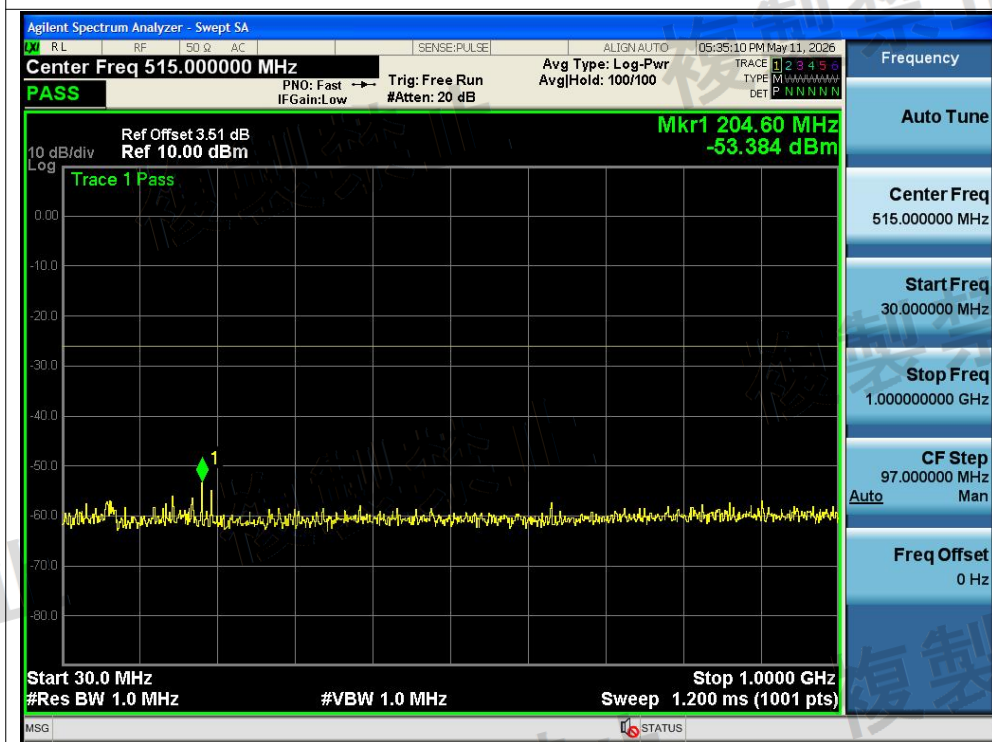
Tx: Spurious NVNT 3-DH5 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



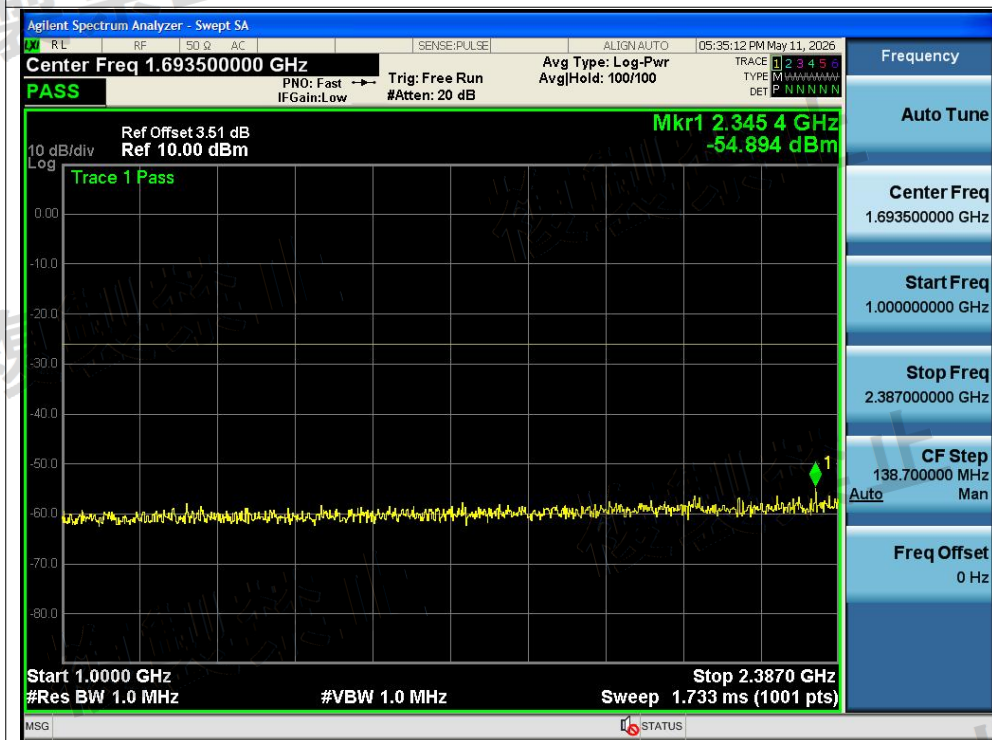
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 2496.5MHz-13000MHz



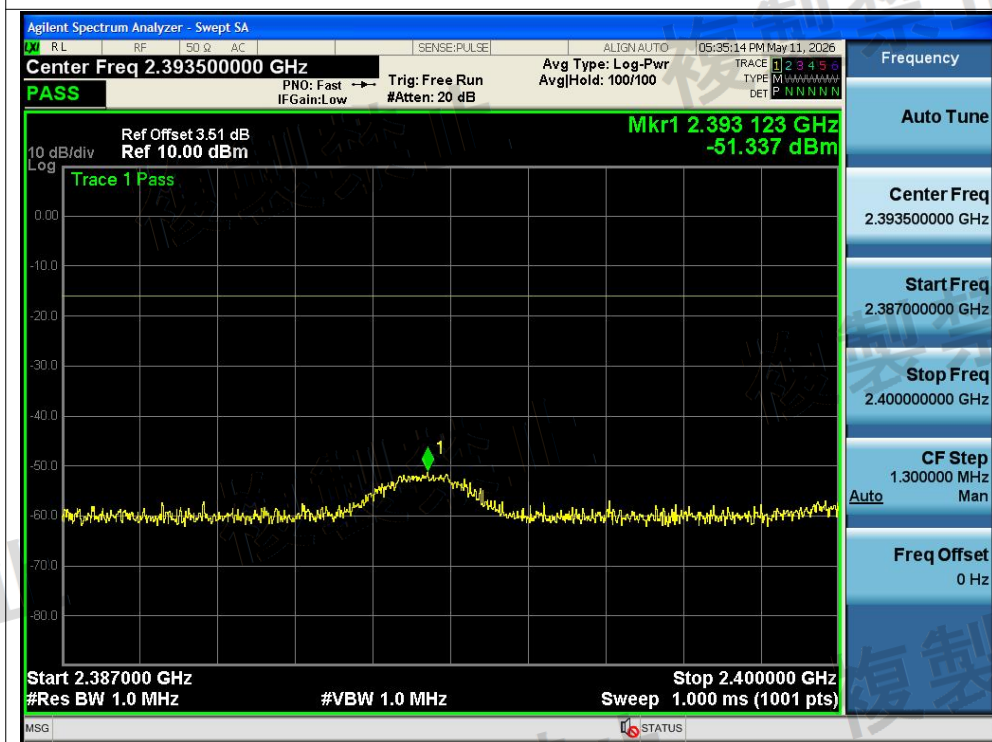
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 30MHz-1000MHz



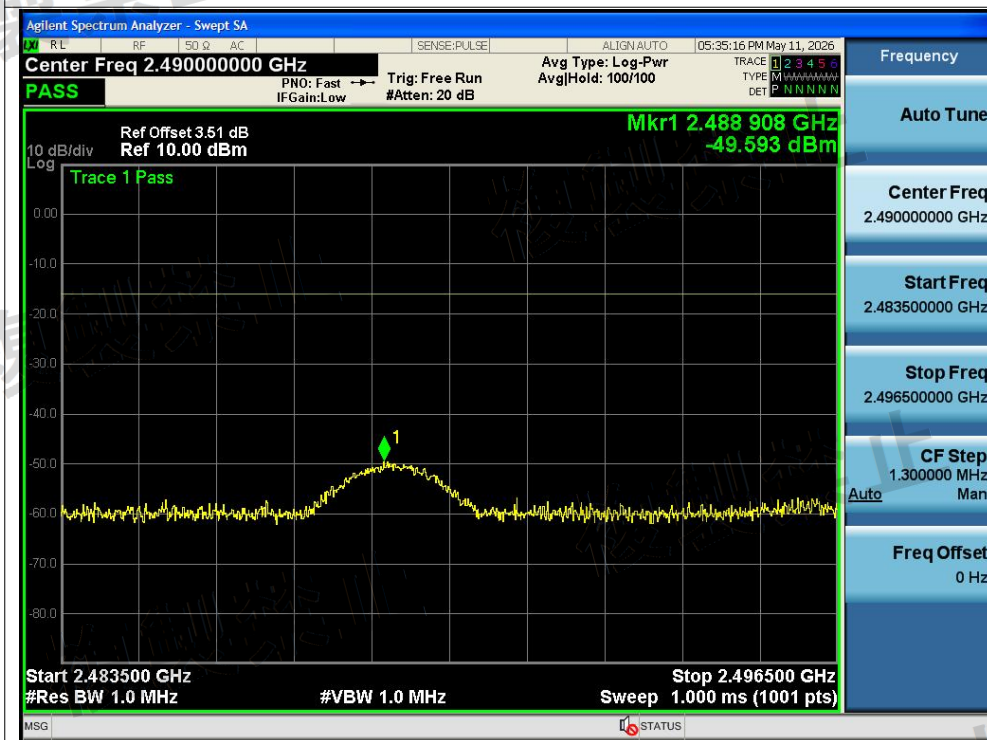
Tx: Spurious NVNT 3-DHS 2441MHz Ant1 @ 1000MHz-2387MHz



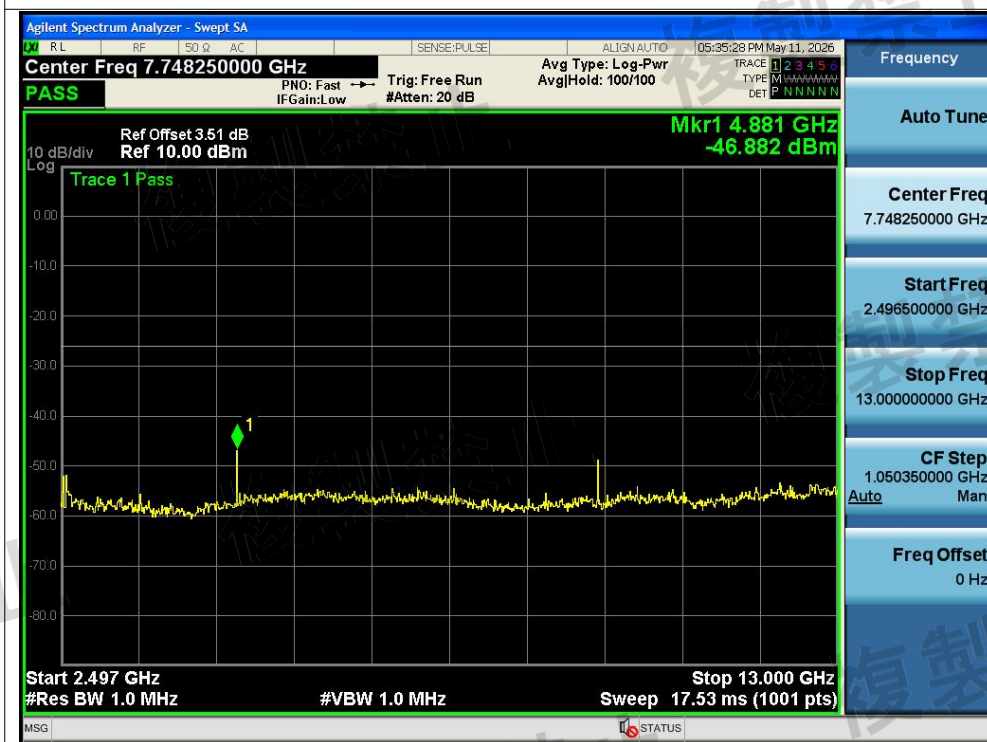
Tx: Spurious NVNT 3-DHS 2441MHz Ant1 @ 2387MHz-2400MHz



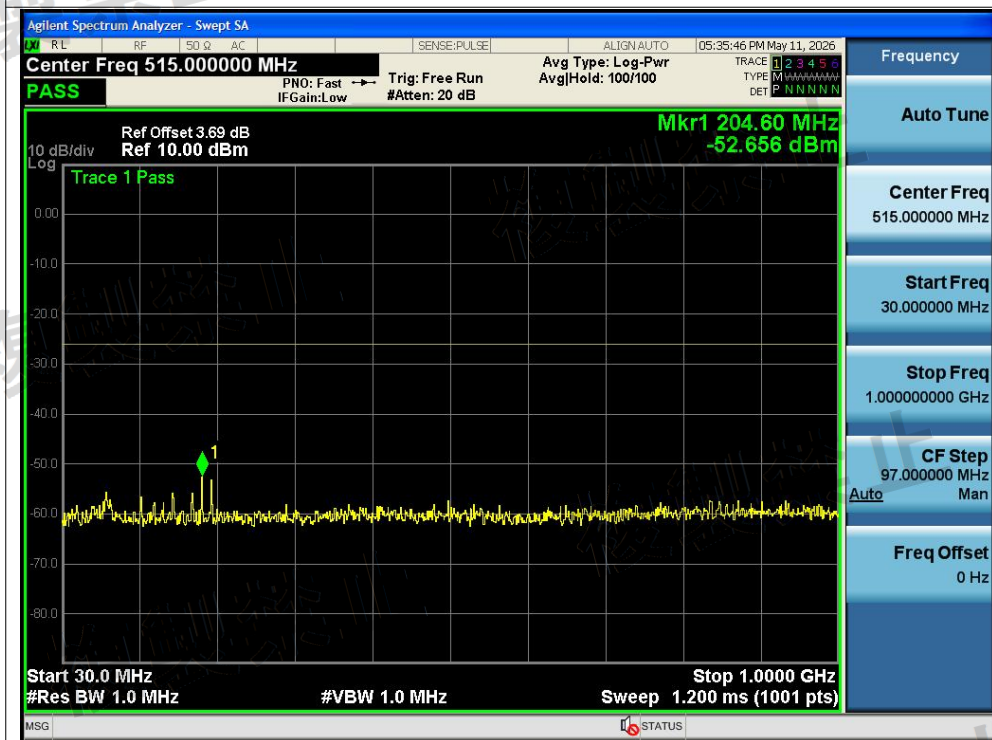
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 2483.5MHz-2496.5MHz



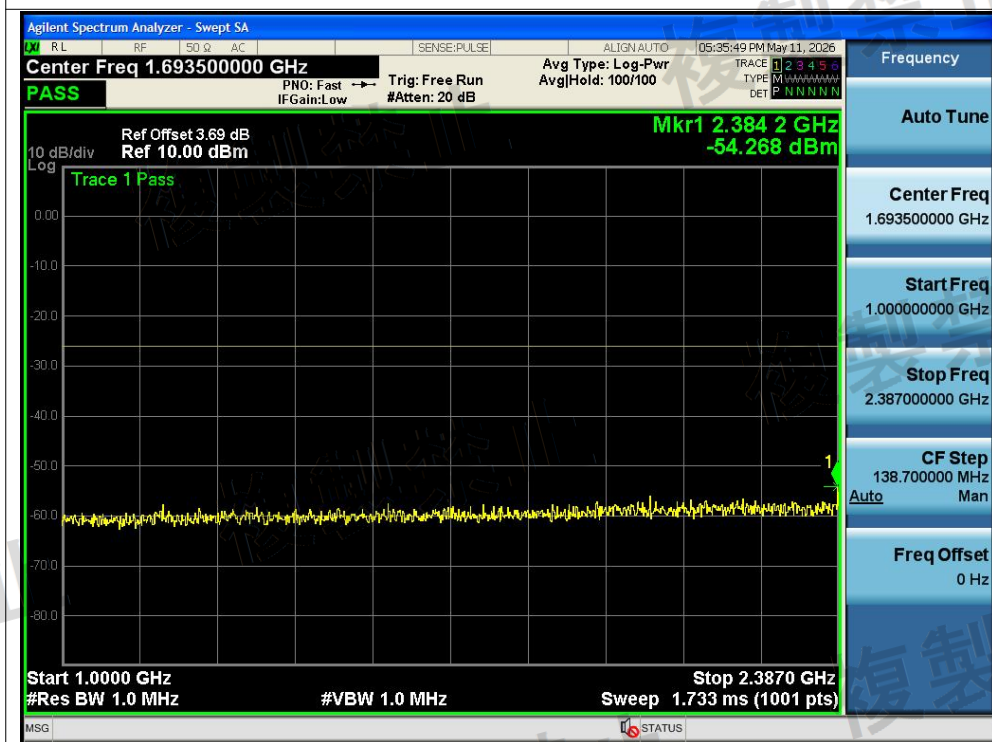
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 2496.5MHz-13000MHz



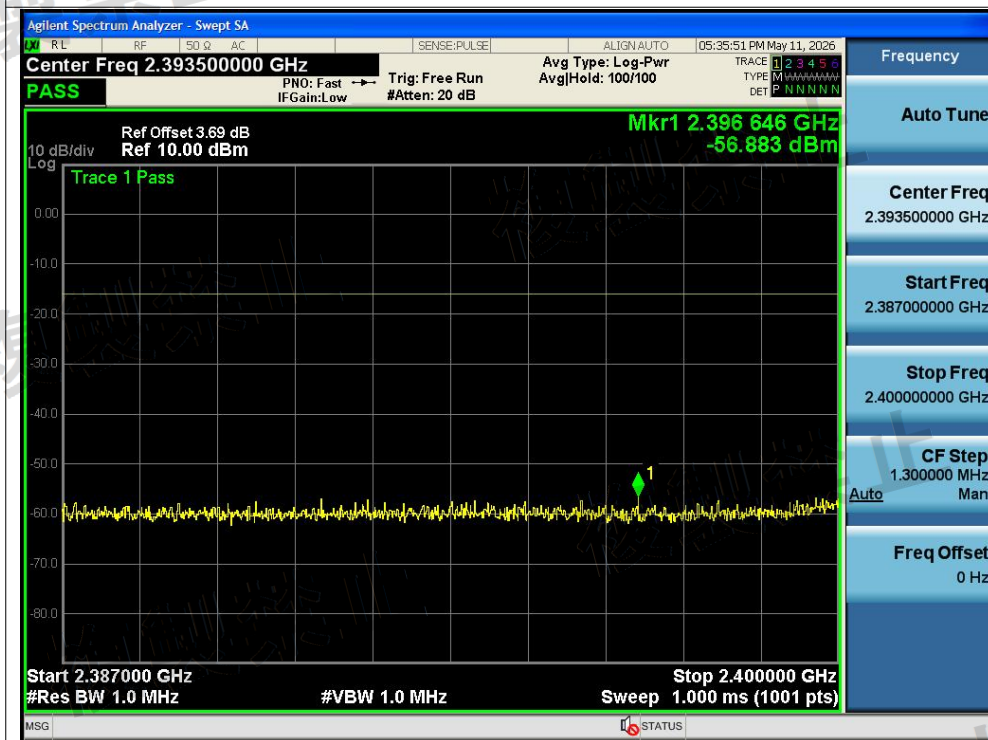
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 30MHz-1000MHz



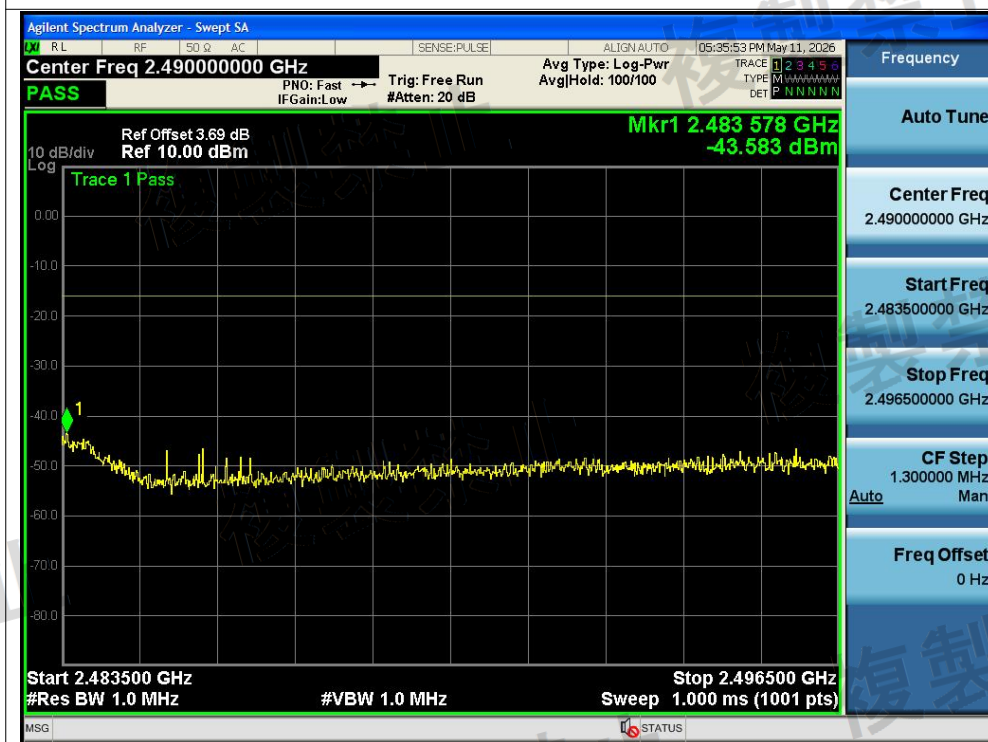
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 1000MHz-2387MHz

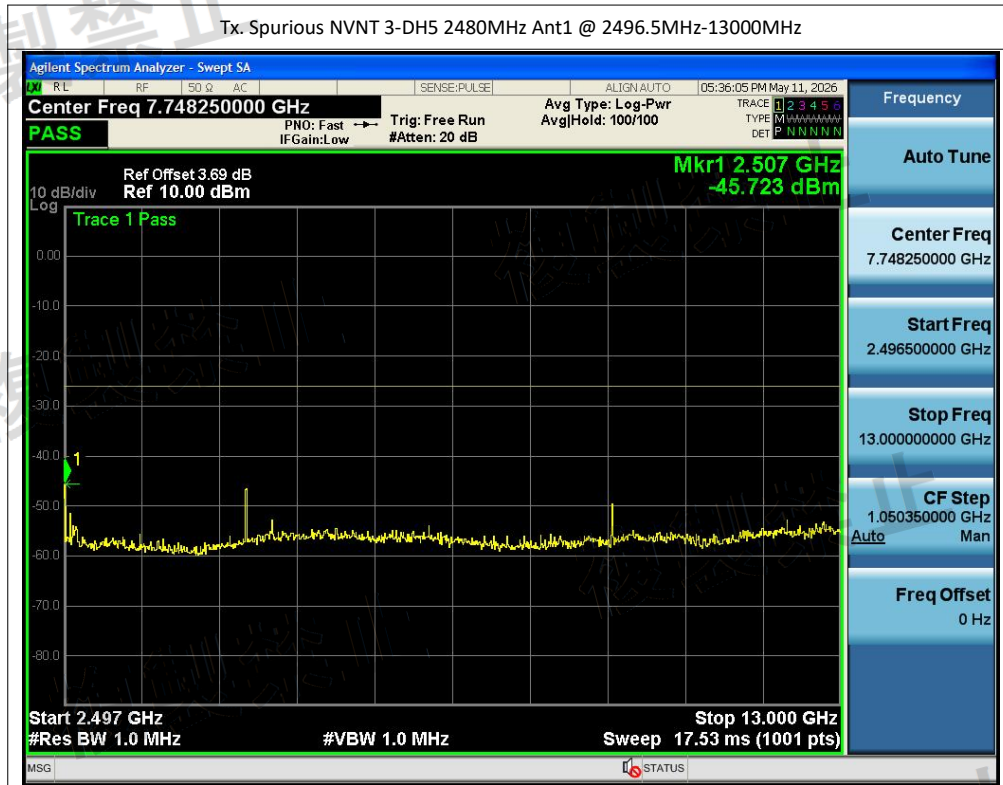


Tx: Spurious NVNT 3-DH5 2480MHz Ant1 @ 2387MHz-2400MHz



Tx: Spurious NVNT 3-DH5 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



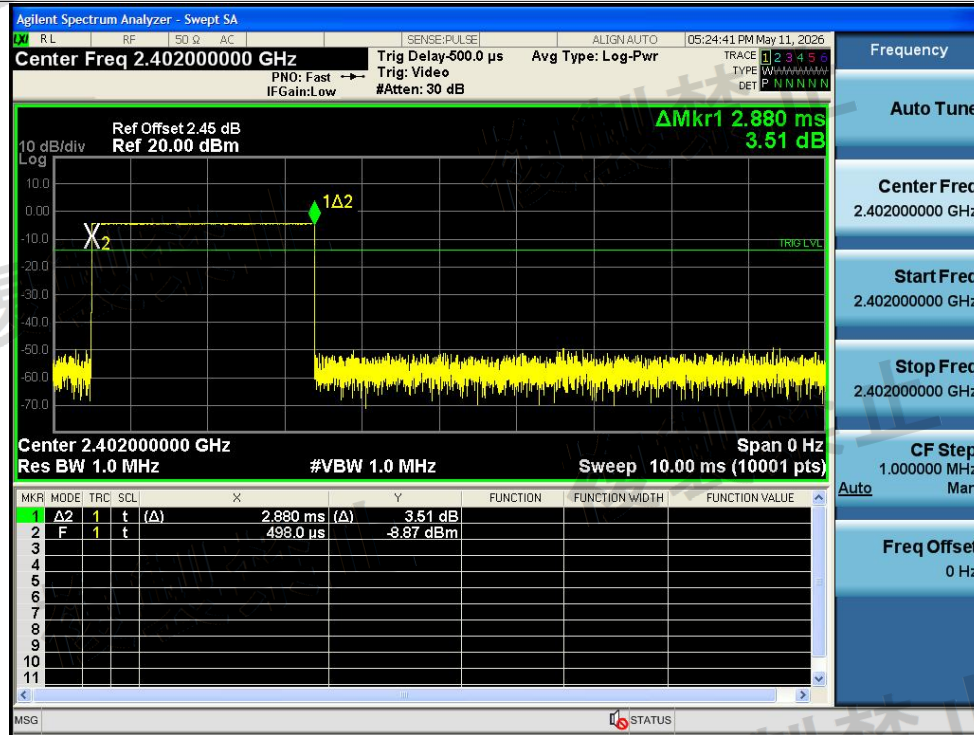


Dwell Time

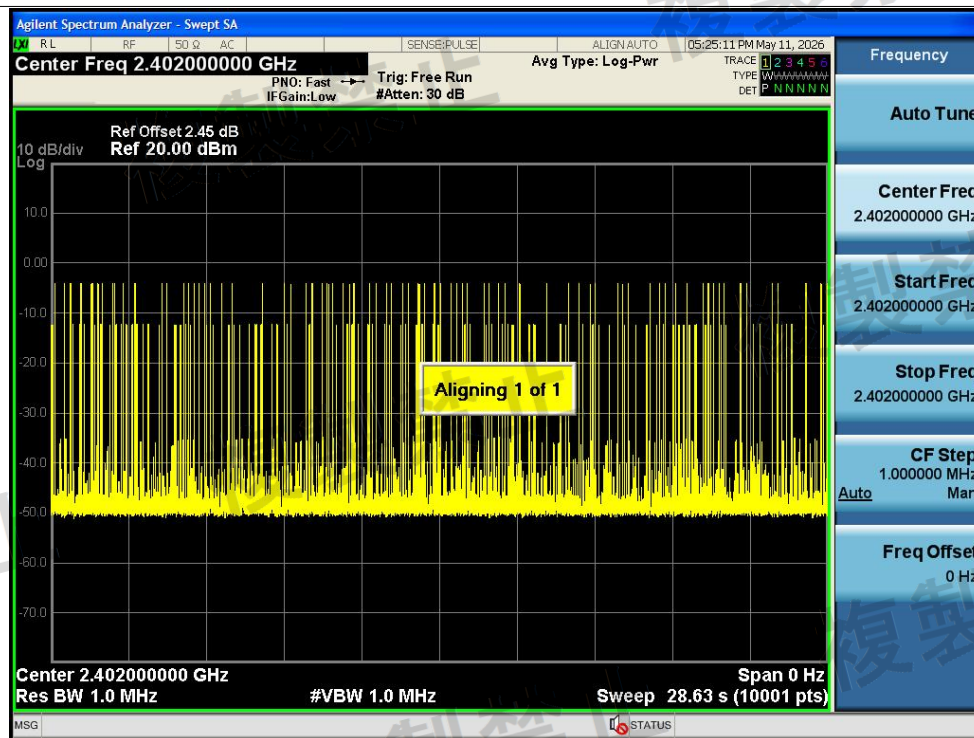
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.88	247.68	86	28630.4	400	Pass
NVNT	2-DH5	2402	Ant1	2.886	262.626	91	28479.2	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	294.474	102	28653.2	400	Pass

Test Graphs

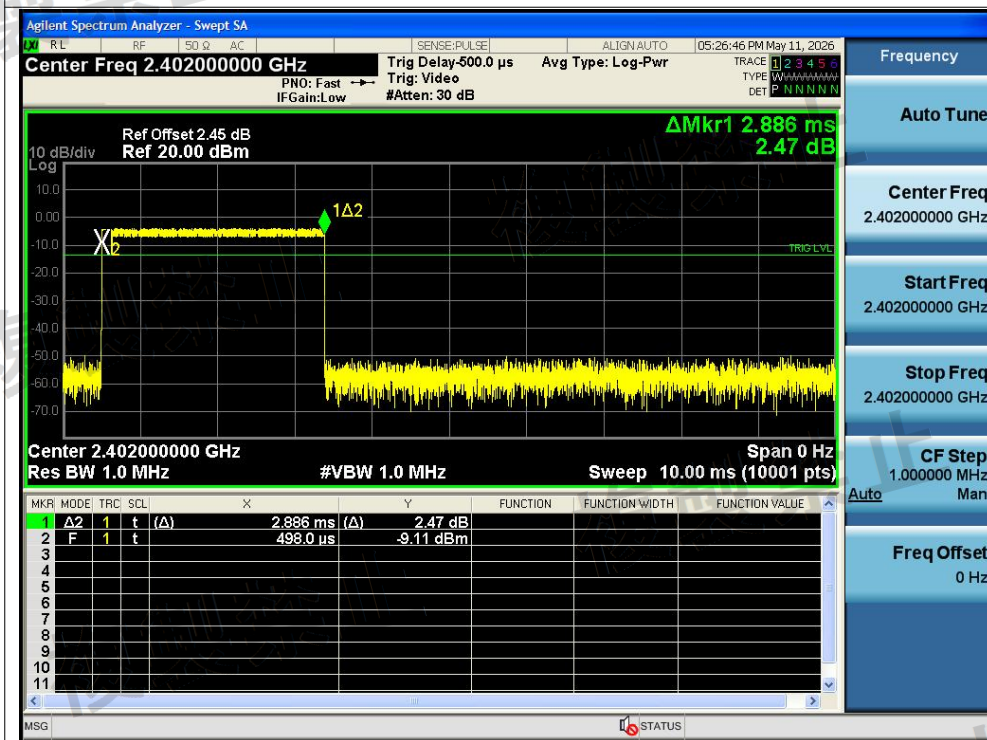
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



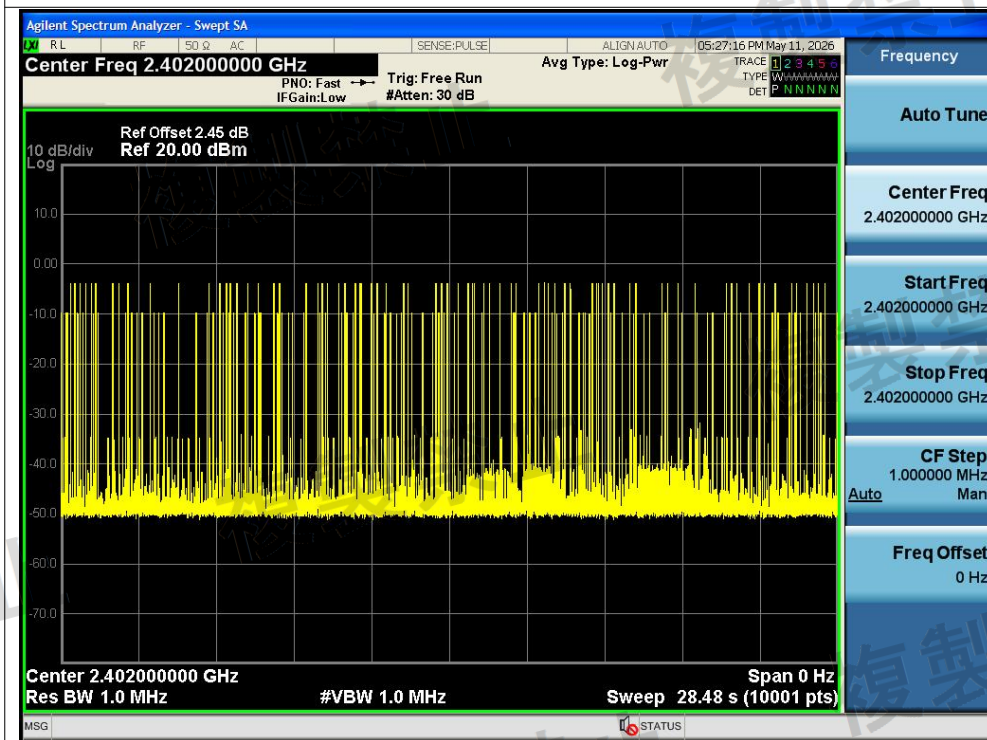
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



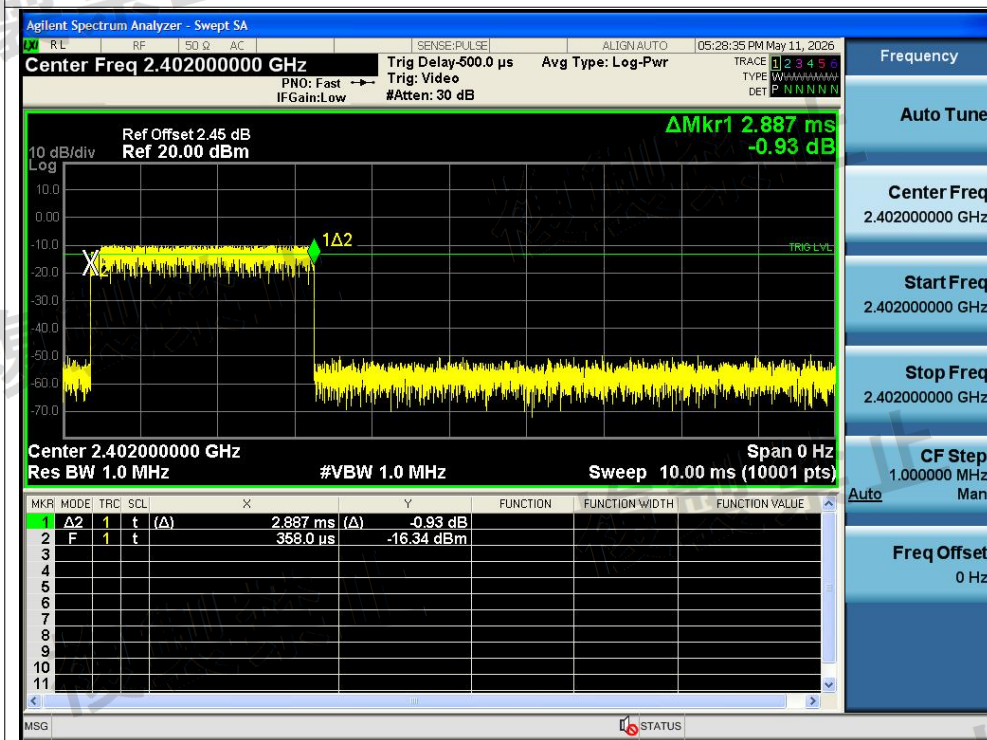
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



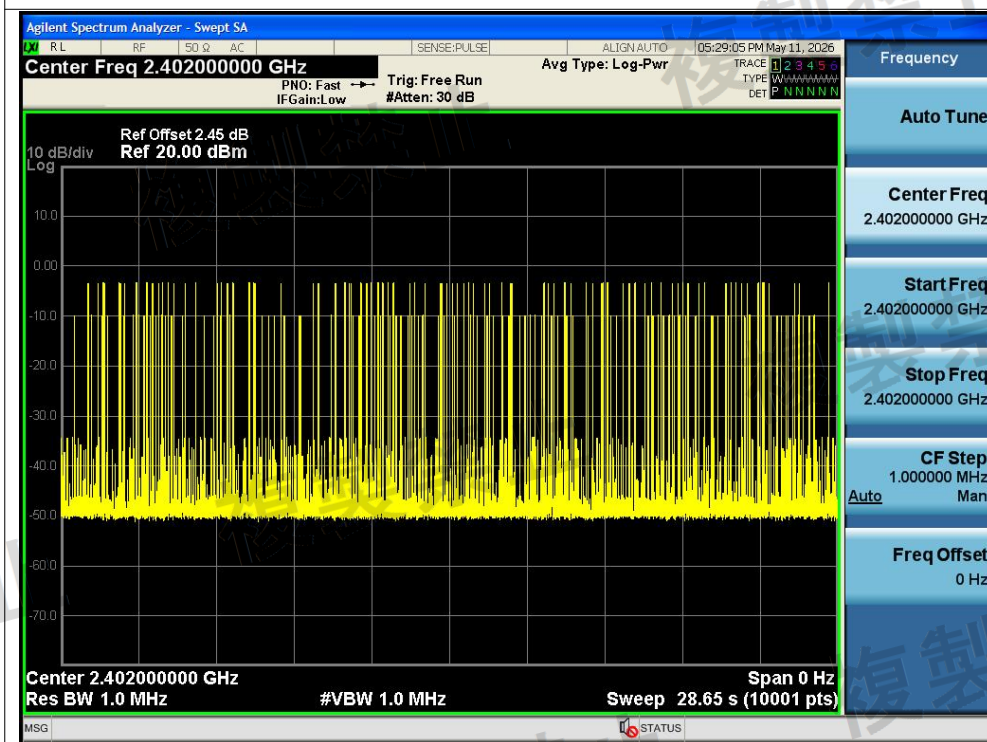
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

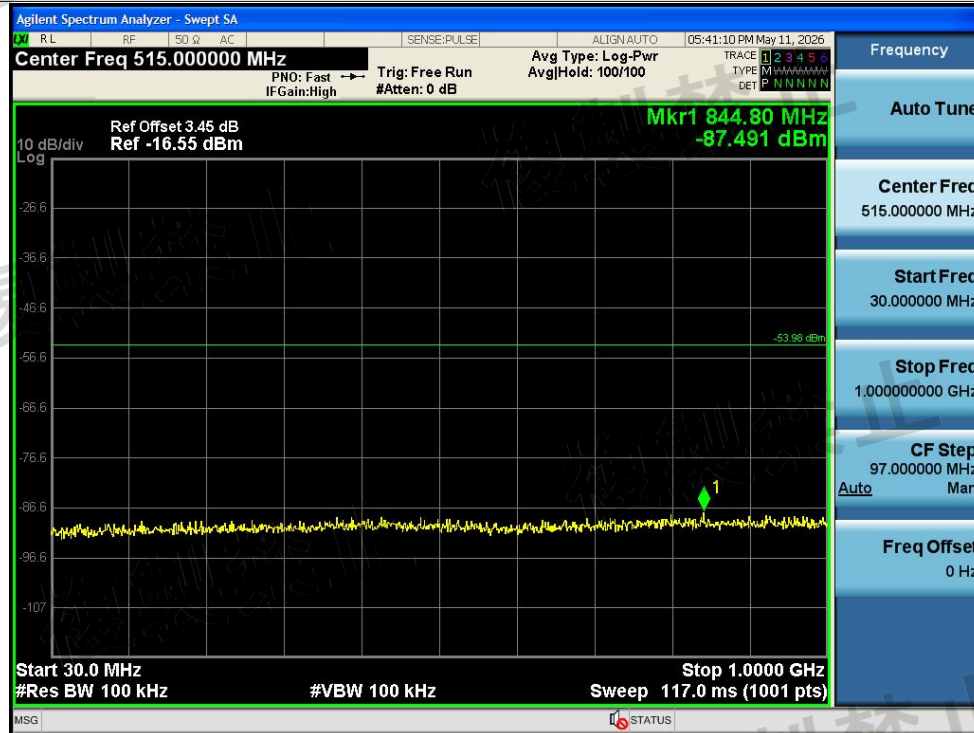


Rx Spurious Emission

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	1-DH5	2402	Ant1	30-1000	844.80	-87.49	NA	0.0018	NA	4	Pass
NVNT	1-DH5	2402	Ant1	1000-13000	5296.00	-73.01	NA	0.05	NA	20	Pass
NVNT	1-DH5	2441	Ant1	30-1000	924.34	-87.02	NA	0.002	NA	4	Pass
NVNT	1-DH5	2441	Ant1	1000-13000	11764.00	-74.46	NA	0.0358	NA	20	Pass
NVNT	1-DH5	2480	Ant1	30-1000	956.35	-87.37	NA	0.0018	NA	4	Pass
NVNT	1-DH5	2480	Ant1	1000-13000	5296.00	-72.97	NA	0.0505	NA	20	Pass
NVNT	2-DH5	2402	Ant1	30-1000	981.57	-87.65	NA	0.0017	NA	4	Pass
NVNT	2-DH5	2402	Ant1	1000-13000	12832.00	-74.27	NA	0.0374	NA	20	Pass
NVNT	2-DH5	2441	Ant1	30-1000	976.72	-87.45	NA	0.0018	NA	4	Pass
NVNT	2-DH5	2441	Ant1	1000-13000	5320.00	-71.97	NA	0.0635	NA	20	Pass
NVNT	2-DH5	2480	Ant1	30-1000	882.63	-87.72	NA	0.0017	NA	4	Pass
NVNT	2-DH5	2480	Ant1	1000-13000	5308.00	-72.22	NA	0.06	NA	20	Pass
NVNT	3-DH5	2402	Ant1	30-1000	557.68	-87.80	NA	0.0017	NA	4	Pass
NVNT	3-DH5	2402	Ant1	1000-13000	12268.00	-74.71	NA	0.0338	NA	20	Pass
NVNT	3-DH5	2441	Ant1	30-1000	798.24	-87.54	NA	0.0018	NA	4	Pass
NVNT	3-DH5	2441	Ant1	1000-13000	5308.00	-71.05	NA	0.0785	NA	20	Pass
NVNT	3-DH5	2480	Ant1	30-1000	511.12	-86.75	NA	0.0021	NA	4	Pass
NVNT	3-DH5	2480	Ant1	1000-13000	5320.00	-68.97	NA	0.1268	NA	20	Pass

Test Graphs

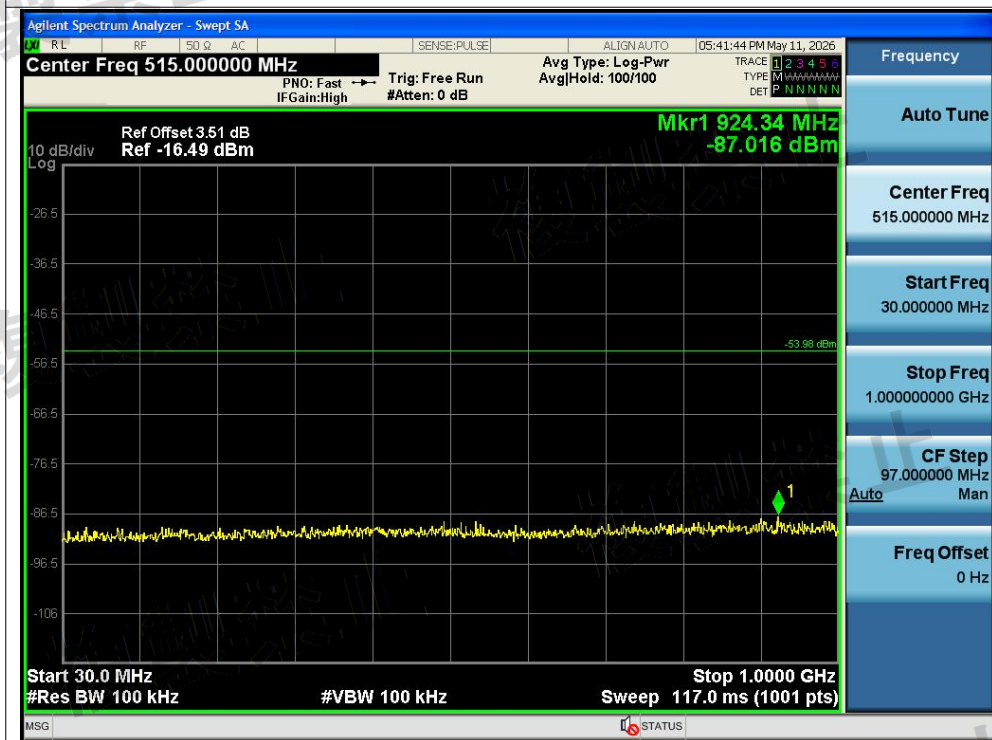
Rx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 30MHz-1000MHz



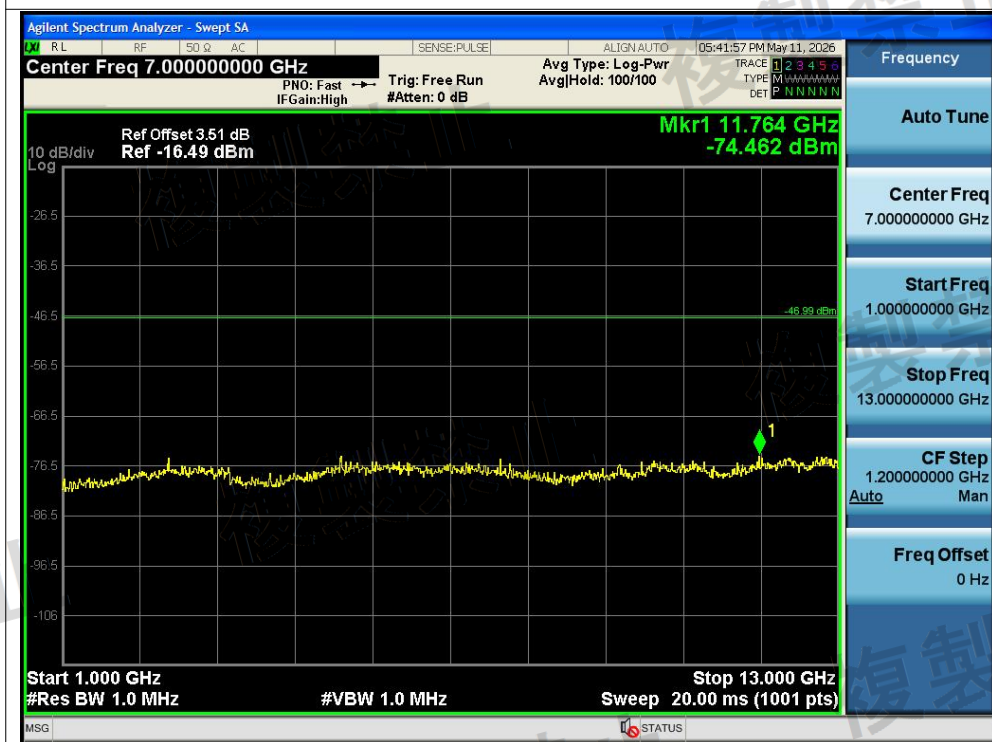
Rx. Spurious NVNT 1-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



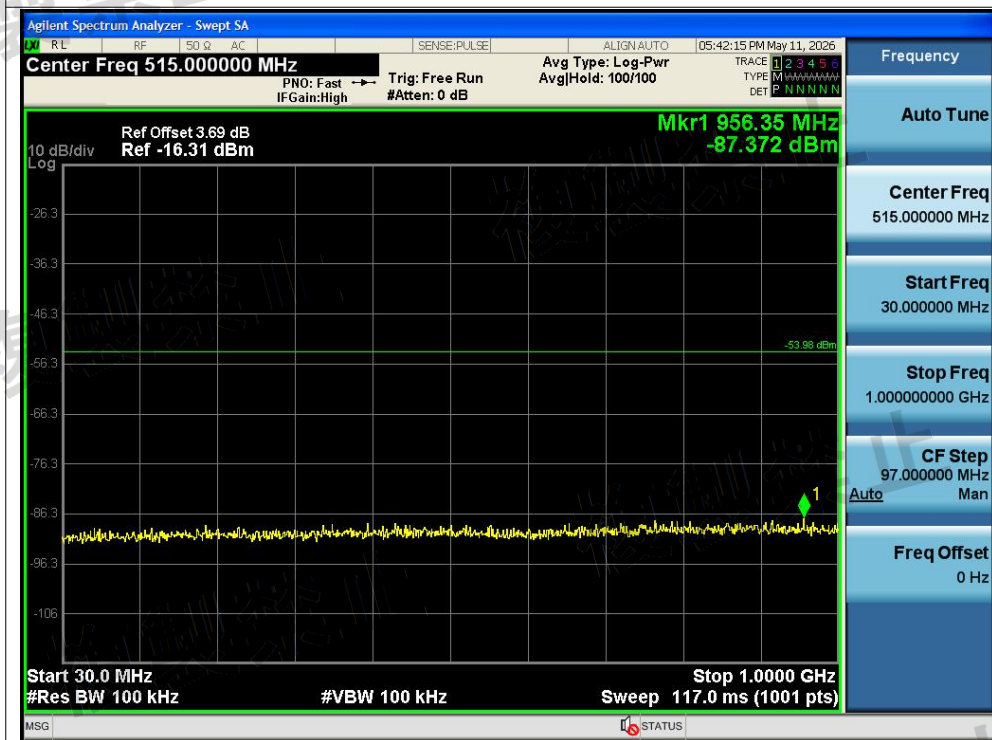
Rx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT 1-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



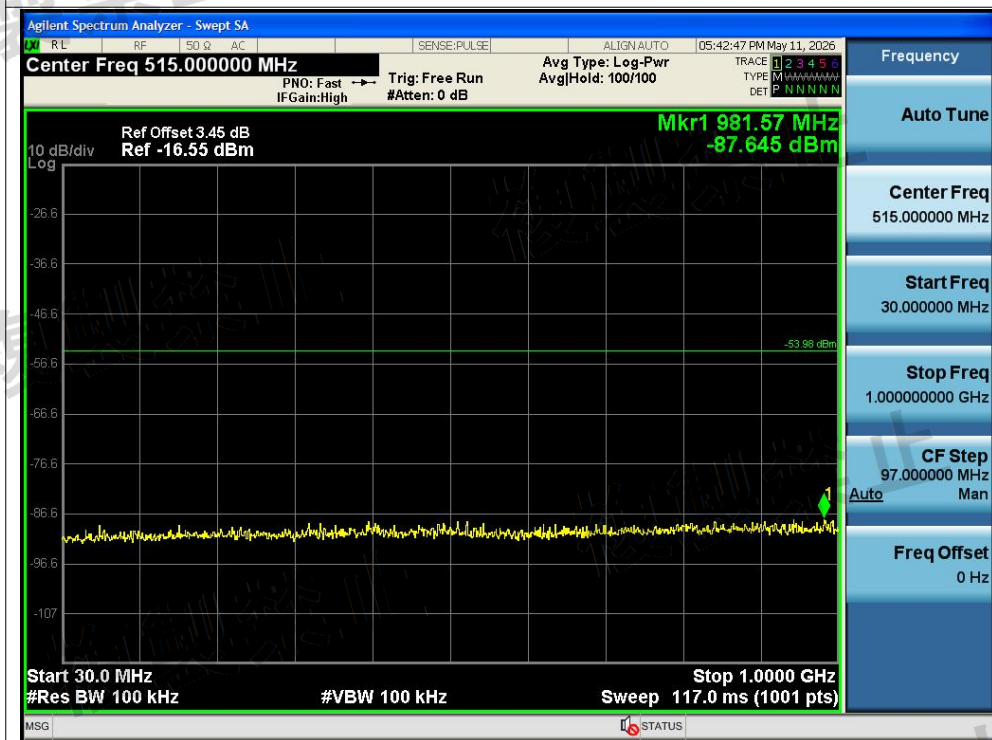
Rx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 30MHz-1000MHz



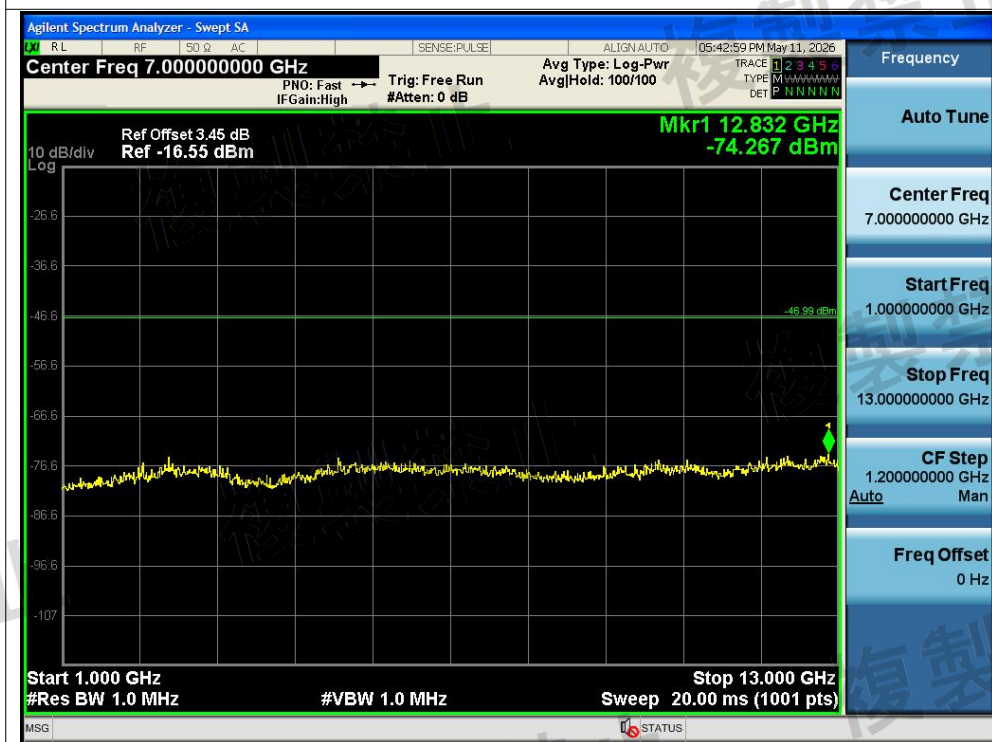
Rx. Spurious NVNT 1-DH5 2480MHz Ant1 @ 1000MHz-13000MHz



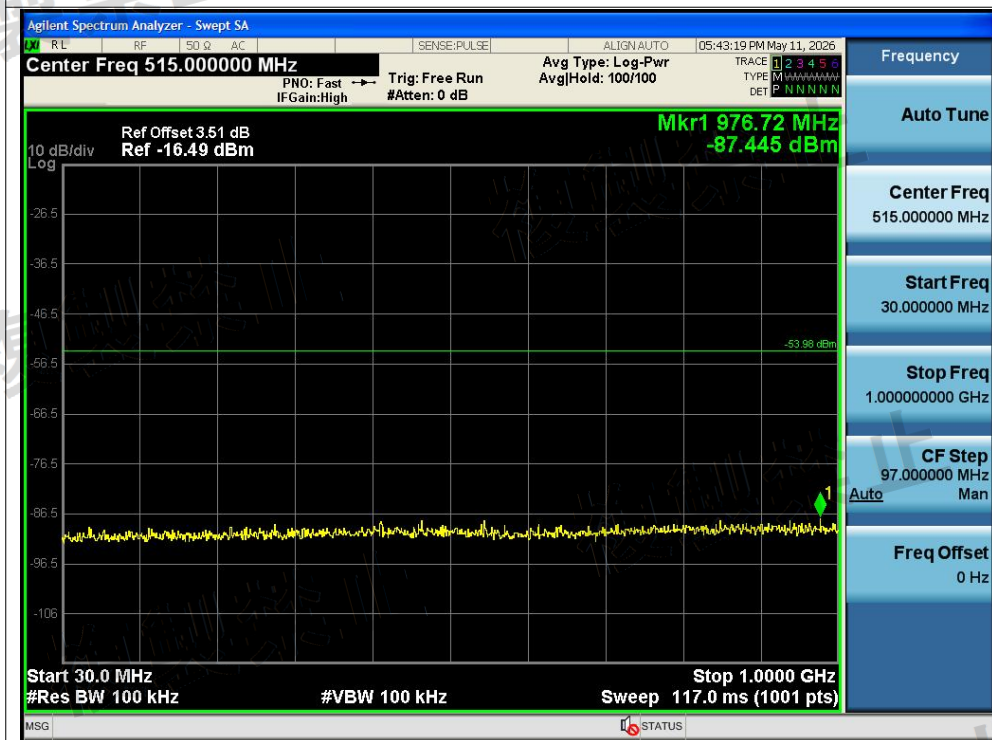
Rx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 30MHz-1000MHz



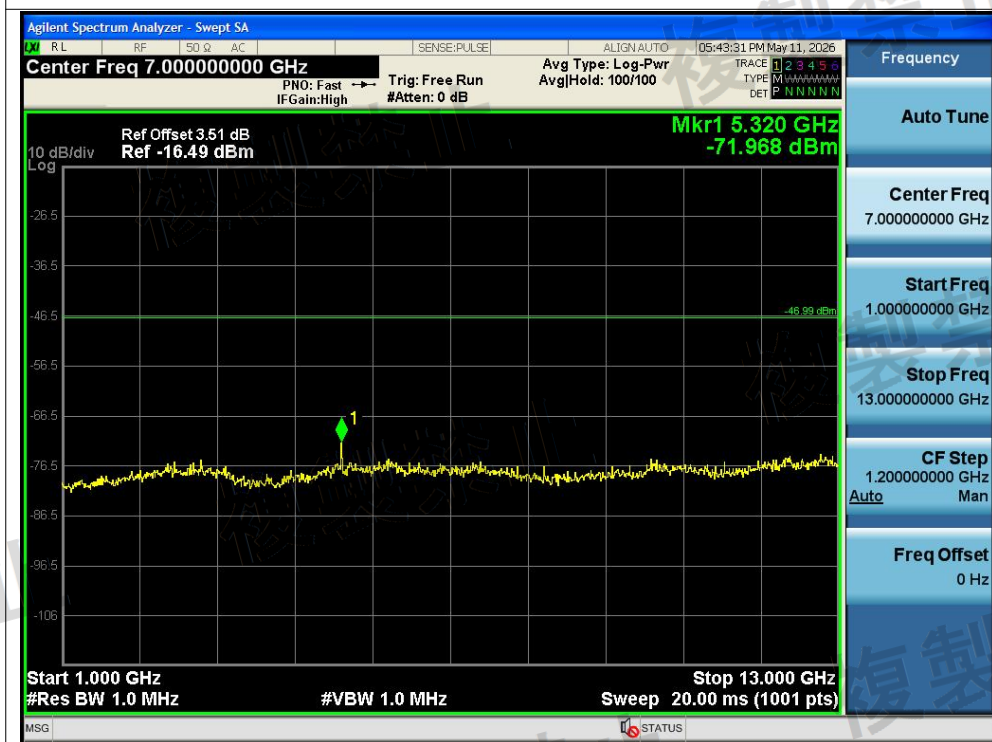
Rx. Spurious NVNT 2-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



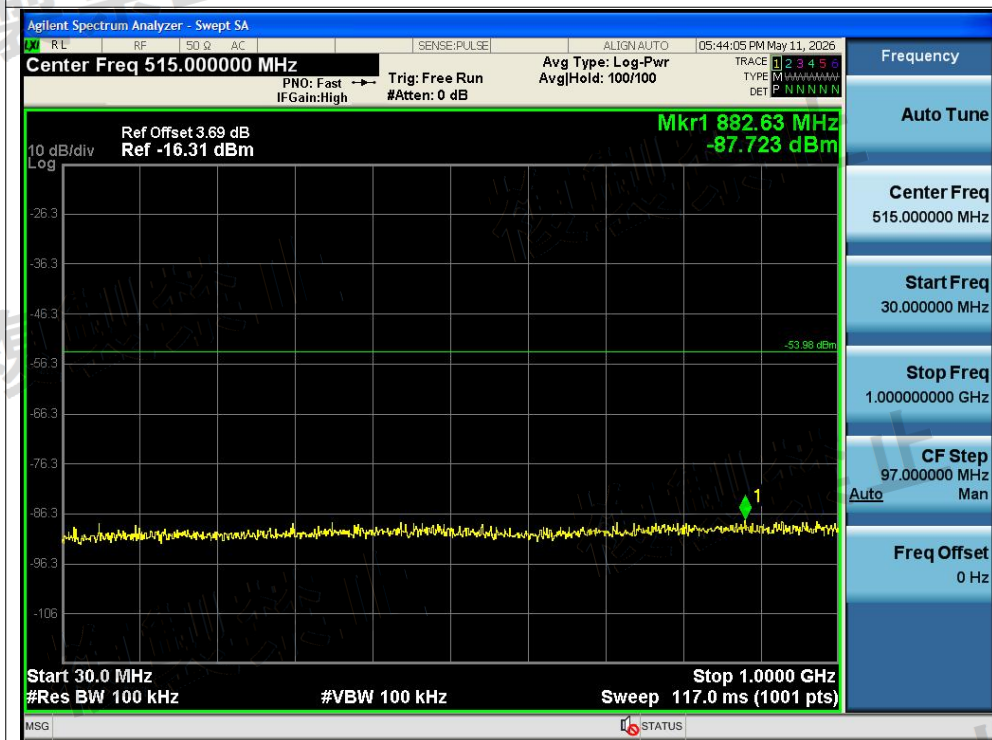
Rx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 30MHz-1000MHz



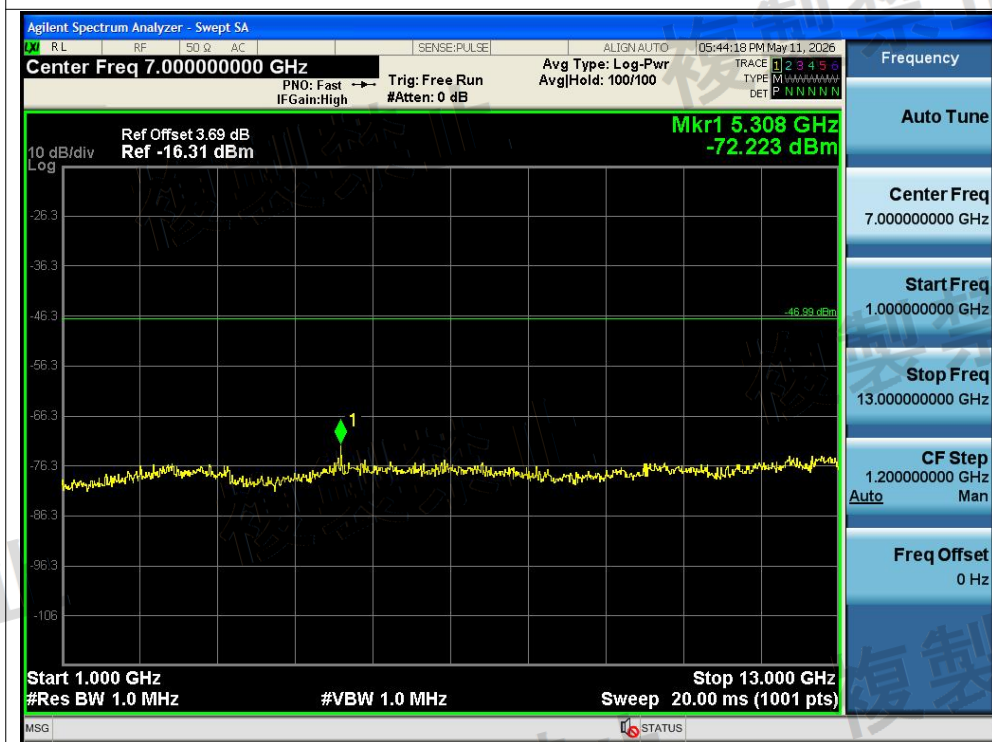
Rx. Spurious NVNT 2-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



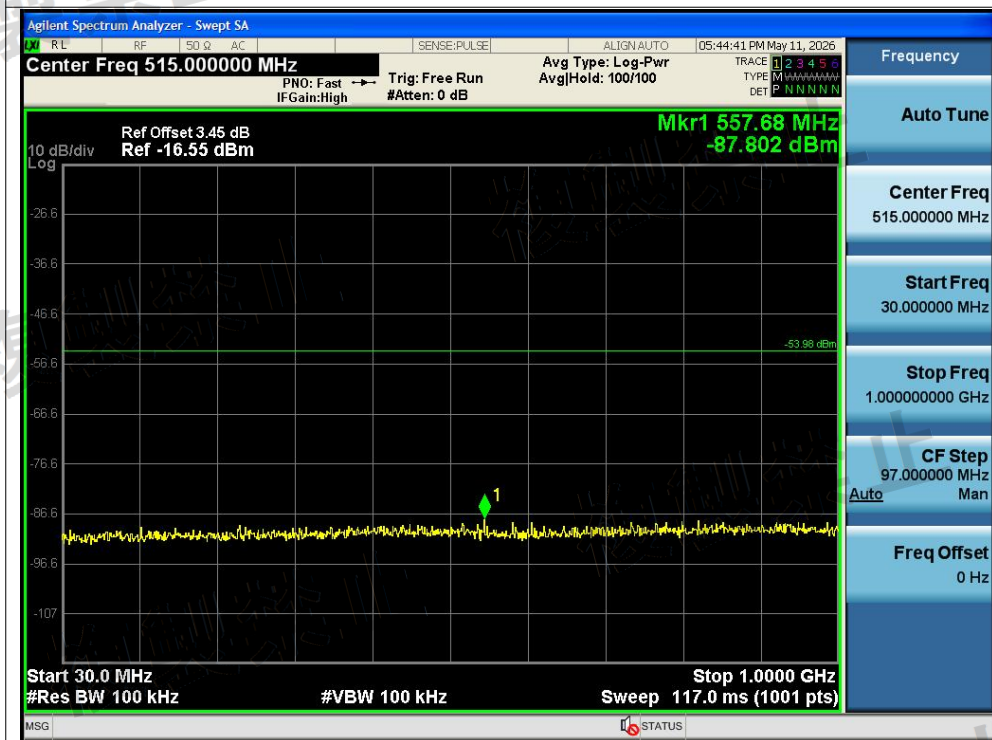
Rx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT 2-DH5 2480MHz Ant1 @ 1000MHz-13000MHz



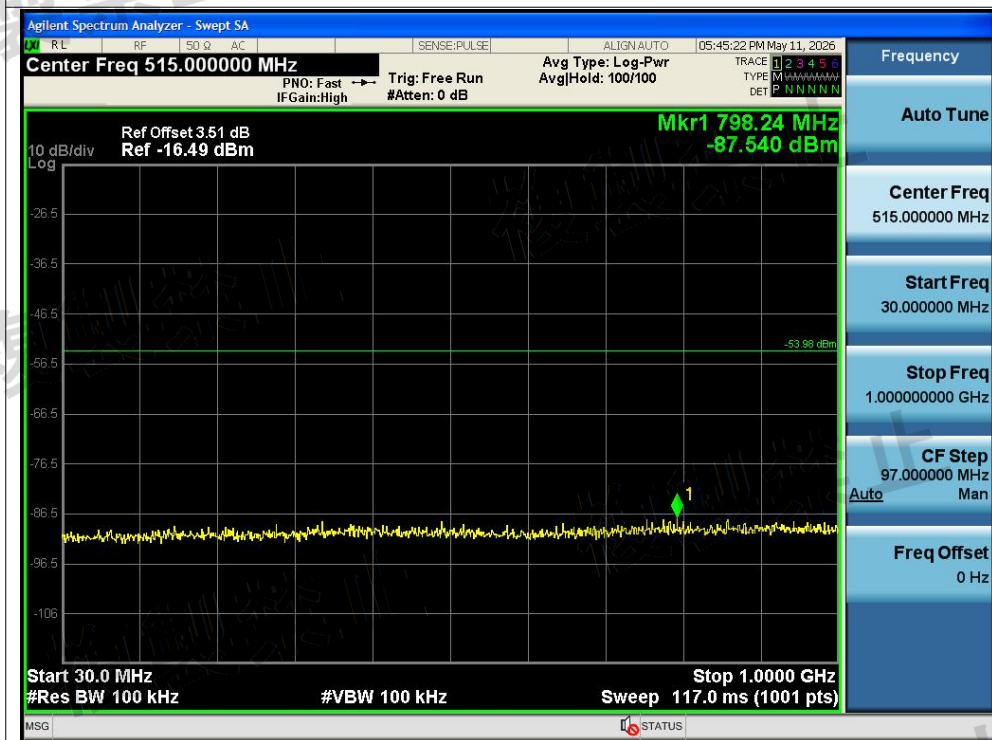
Rx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 30MHz-1000MHz



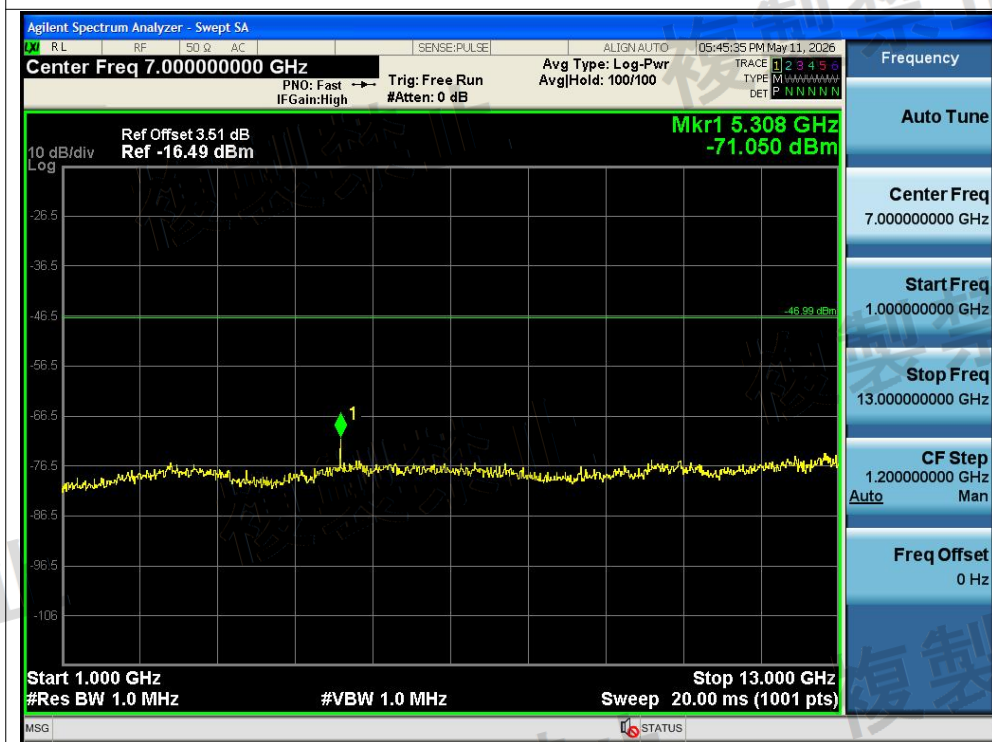
Rx. Spurious NVNT 3-DH5 2402MHz Ant1 @ 1000MHz-13000MHz



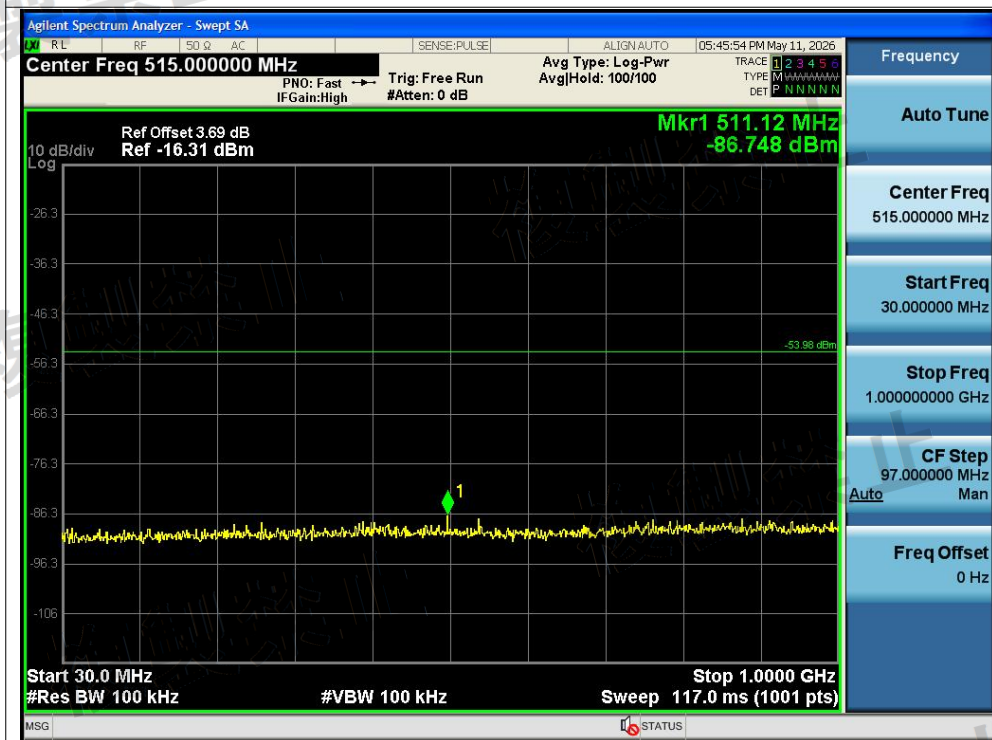
Rx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT 3-DH5 2441MHz Ant1 @ 1000MHz-13000MHz



Rx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT 3-DH5 2480MHz Ant1 @ 1000MHz-13000MHz

