

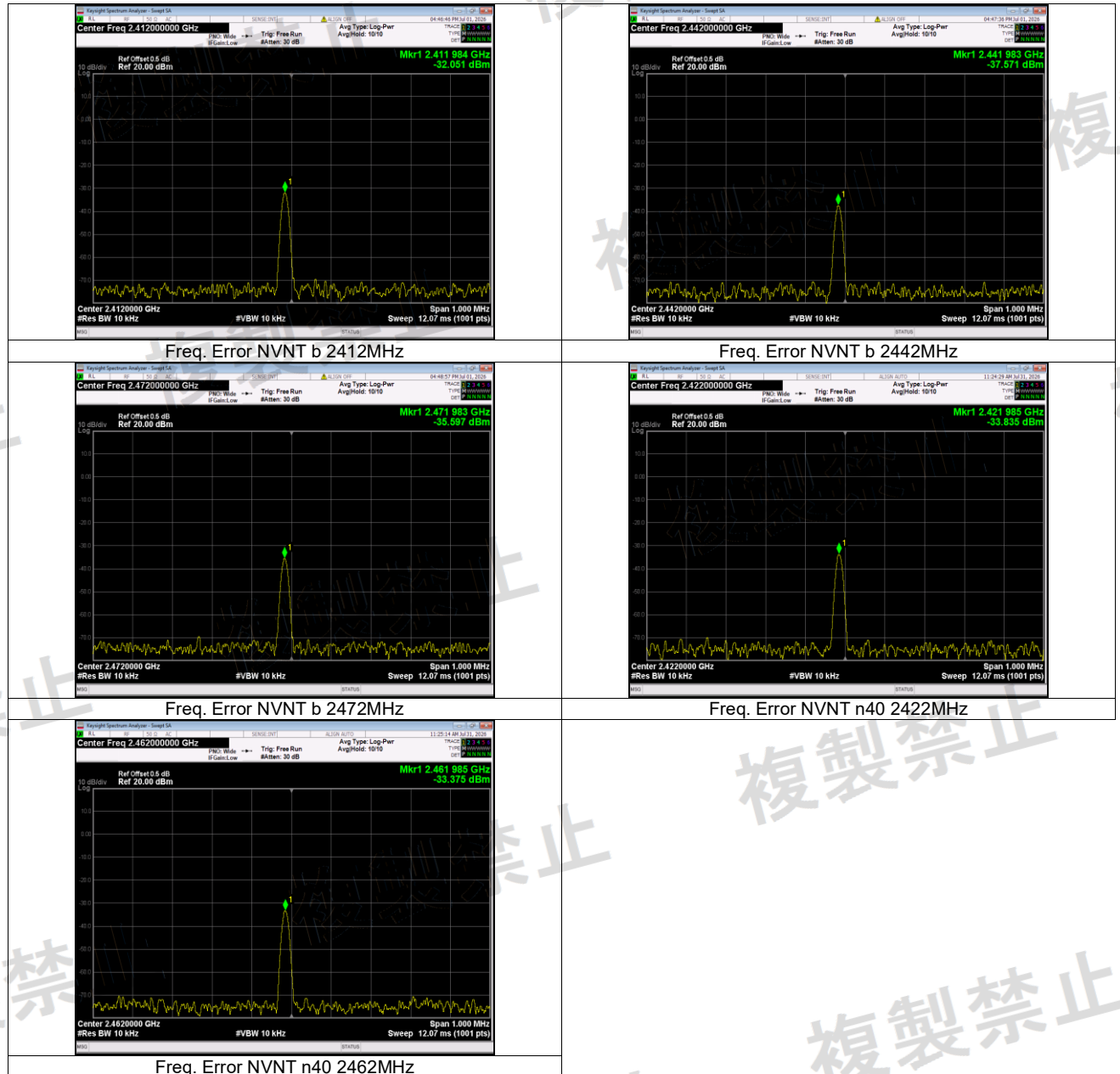
Appendix A: Test Results

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Frequency Error

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	N/A	2412	/	2411.984	-16000	-6.63	50	Pass
NVNT	N/A	2442	/	2441.983	-17000	-6.96	50	Pass
NVNT	N/A	2472	/	2471.983	-17000	-6.88	50	Pass
NVNT	N/A	2422	/	2421.985	-15000	-6.19	50	Pass
NVNT	N/A	2462	/	2461.985	-15000	-6.09	50	Pass



Antenna Power

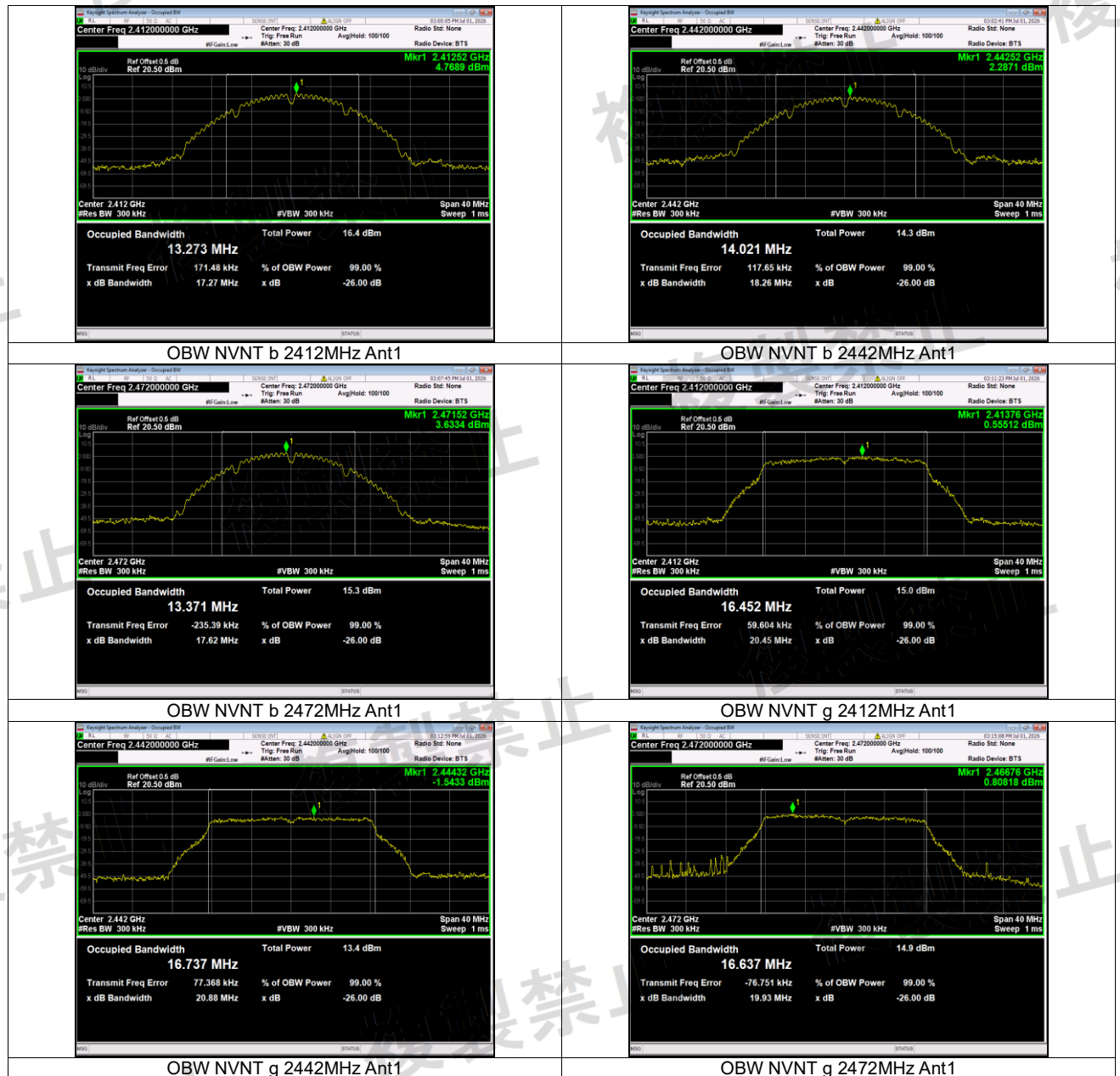
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm/MHz)	Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Lower Limit (%)	Upper Limit (%)	Verdict
NVNT	b	2412	Ant1	7.04	5.058	10	5	1.16	-	20	Pass
NVNT	b	2442	Ant1	4.5	2.818	10	5	-43.63	-	20	Pass
NVNT	b	2472	Ant1	6.06	4.036	10	5	-19.27	-	20	Pass
NVNT	g	2412	Ant1	7.16	5.2	10	5	4	-	20	Pass
NVNT	g	2442	Ant1	4.4	2.754	10	5	-44.92	-	20	Pass
NVNT	g	2472	Ant1	6.94	4.943	10	5	-1.14	-	20	Pass
NVNT	n20	2412	Ant1	5.77	3.776	10	5	-24.49	-	20	Pass
NVNT	n20	2442	Ant1	3.44	2.208	10	5	-55.84	-	20	Pass
NVNT	n20	2472	Ant1	5.8	3.802	10	5	-23.96	-	20	Pass
NVNT	n40	2422	Ant1	5.44	3.499	5	5	-30.01	-	20	Pass
NVNT	n40	2442	Ant1	4.03	2.529	5	5	-49.41	-	20	Pass
NVNT	n40	2462	Ant1	4.82	3.034	5	5	-39.32	-	20	Pass

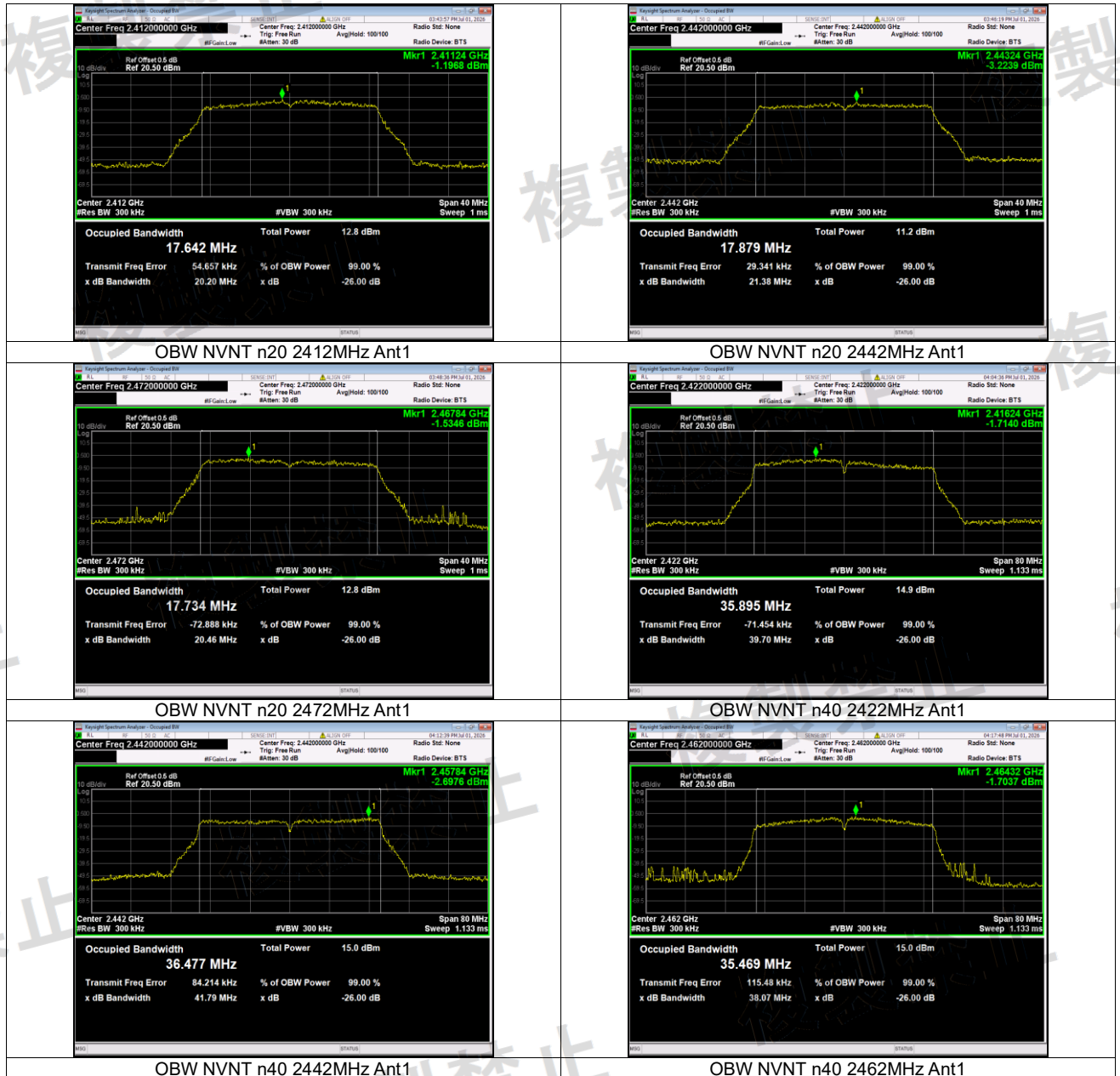
EIRP Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm/MHz)	Power (mW/MHz)	Gain (dBi)	EIRP (dBm/MHz)	EIRP (mW/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	7.04	5.058	2	9.04	8.017	12.14	Pass
NVNT	b	2442	Ant1	4.5	2.818	2	6.5	4.467	12.14	Pass
NVNT	b	2472	Ant1	6.06	4.036	2	8.06	6.397	12.14	Pass
NVNT	g	2412	Ant1	7.16	5.2	2	9.16	8.241	12.14	Pass
NVNT	g	2442	Ant1	4.4	2.754	2	6.4	4.365	12.14	Pass
NVNT	g	2472	Ant1	6.94	4.943	2	8.94	7.834	12.14	Pass
NVNT	n20	2412	Ant1	5.77	3.776	2	7.77	5.984	12.14	Pass
NVNT	n20	2442	Ant1	3.44	2.208	2	5.44	3.499	12.14	Pass
NVNT	n20	2472	Ant1	5.8	3.802	2	7.8	6.026	12.14	Pass
NVNT	n40	2422	Ant1	5.44	3.499	2	7.44	5.546	9.13	Pass
NVNT	n40	2442	Ant1	4.03	2.529	2	6.03	4.009	9.13	Pass
NVNT	n40	2462	Ant1	4.82	3.034	2	6.82	4.808	9.13	Pass

Occupied Channel Bandwidth

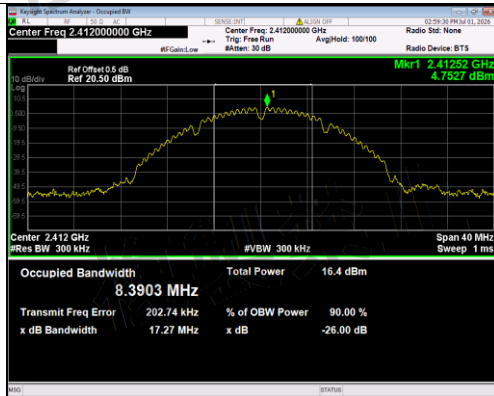
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.273
NVNT	b	2442	Ant1	14.021
NVNT	b	2472	Ant1	13.371
NVNT	g	2412	Ant1	16.452
NVNT	g	2442	Ant1	16.737
NVNT	g	2472	Ant1	16.637
NVNT	n20	2412	Ant1	17.642
NVNT	n20	2442	Ant1	17.879
NVNT	n20	2472	Ant1	17.734
NVNT	n40	2422	Ant1	35.895
NVNT	n40	2442	Ant1	36.477
NVNT	n40	2462	Ant1	35.469



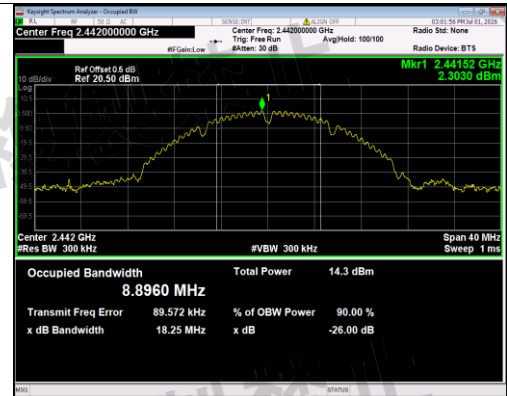


Spreading Bandwidth

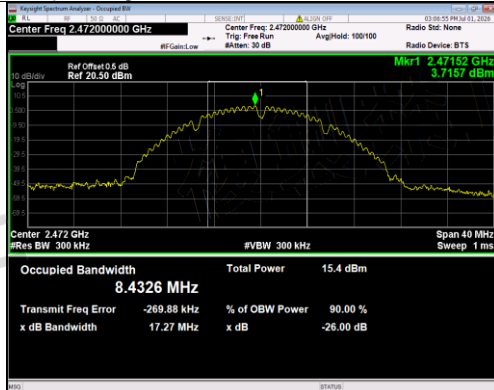
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Limit (MHz)	Verdict
NVNT	b	2412	Ant1	8.3903	0.5	Pass
NVNT	b	2442	Ant1	8.896	0.5	Pass
NVNT	b	2472	Ant1	8.4326	0.5	Pass
NVNT	g	2412	Ant1	13.906	0.5	Pass
NVNT	g	2442	Ant1	14.654	0.5	Pass
NVNT	g	2472	Ant1	14.522	0.5	Pass
NVNT	n20	2412	Ant1	14.918	0.5	Pass
NVNT	n20	2442	Ant1	15.862	0.5	Pass
NVNT	n20	2472	Ant1	15.36	0.5	Pass
NVNT	n40	2422	Ant1	30.158	0.5	Pass
NVNT	n40	2442	Ant1	33.388	0.5	Pass
NVNT	n40	2462	Ant1	29.091	0.5	Pass



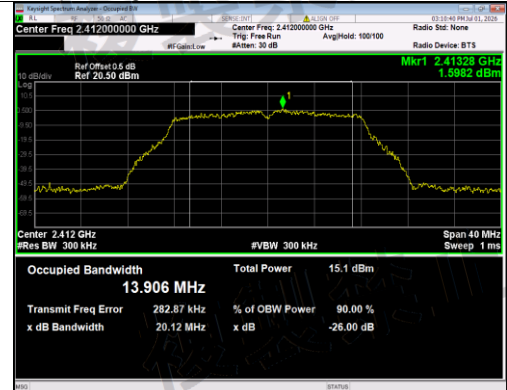
Spreading Bandwidth NVNT b 2412MHz Ant1



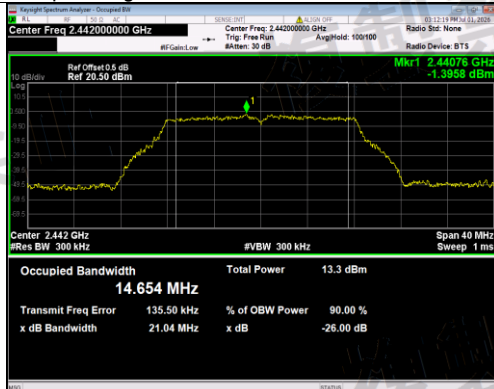
Spreading Bandwidth NVNT b 2442MHz Ant1



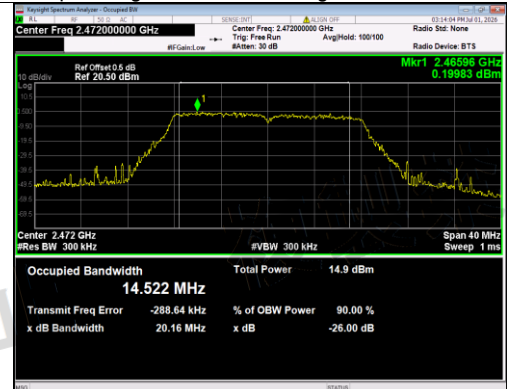
Spreading Bandwidth NVNT b 2472MHz Ant1



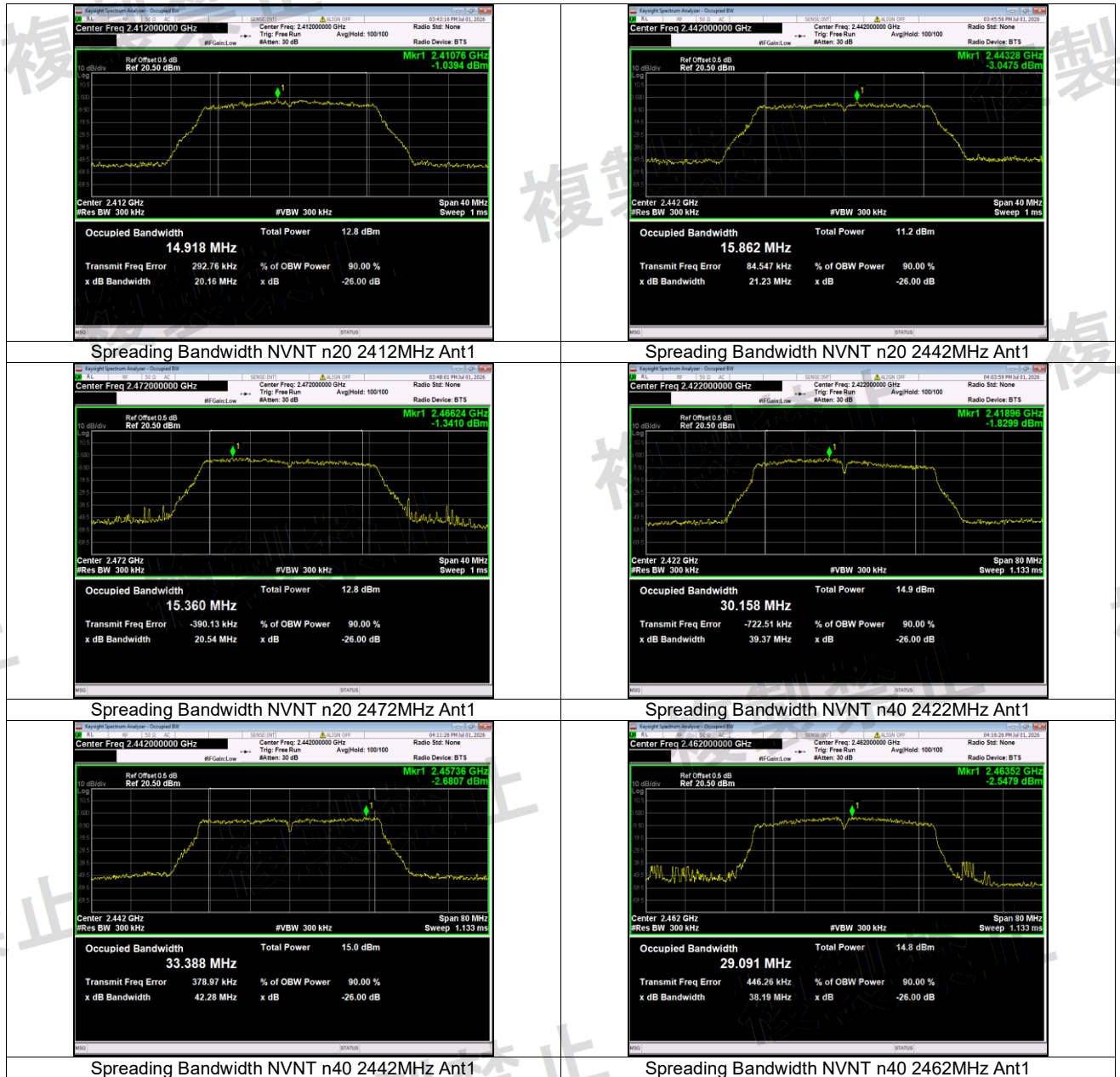
Spreading Bandwidth NVNT g 2412MHz Ant1



Spreading Bandwidth NVNT g 2442MHz Ant1



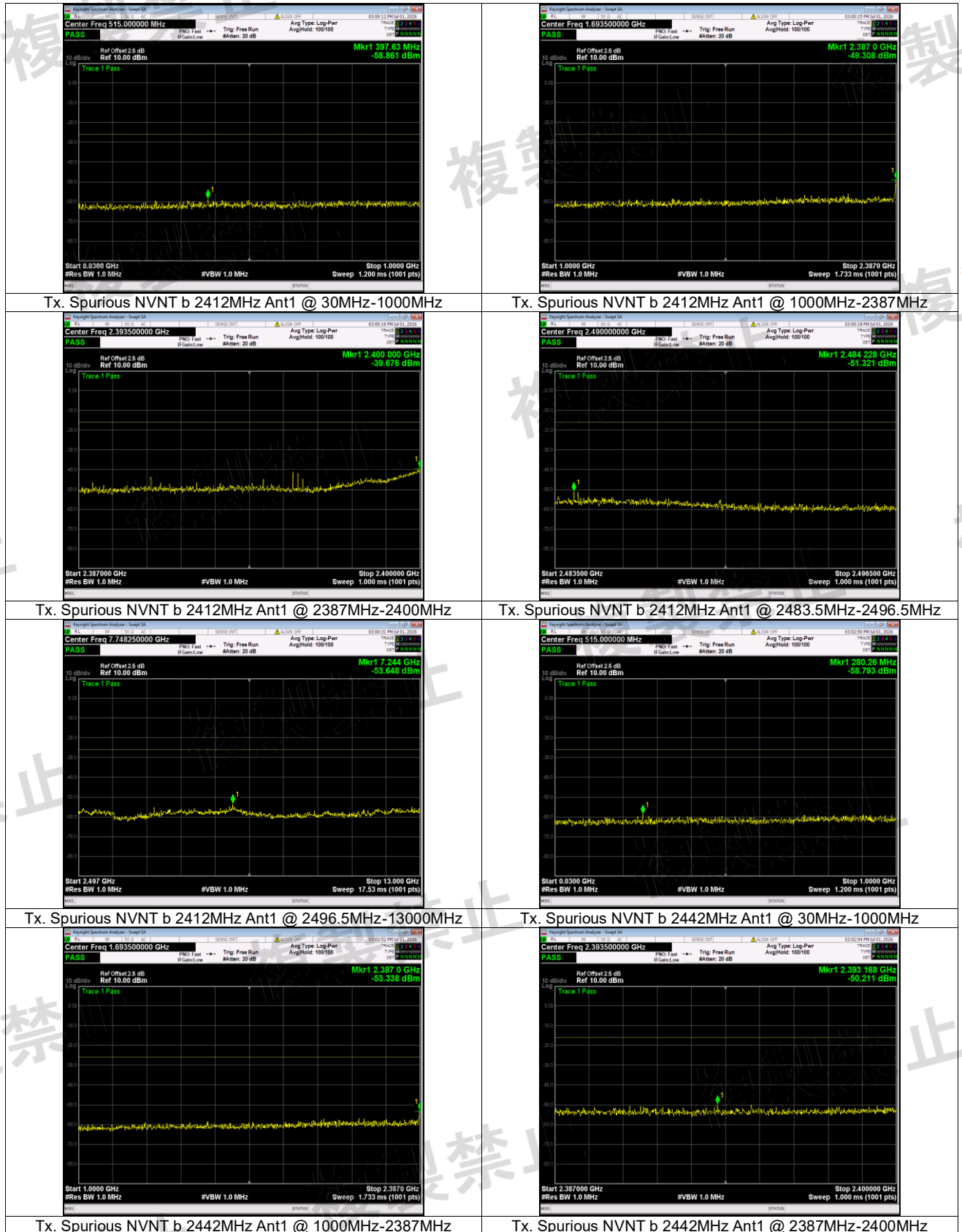
Spreading Bandwidth NVNT g 2472MHz Ant1

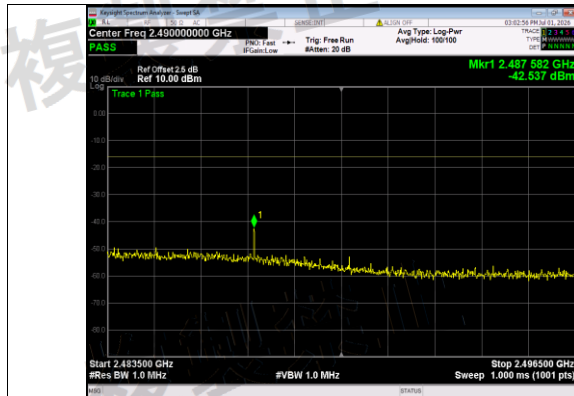


Tx Spurious Emission

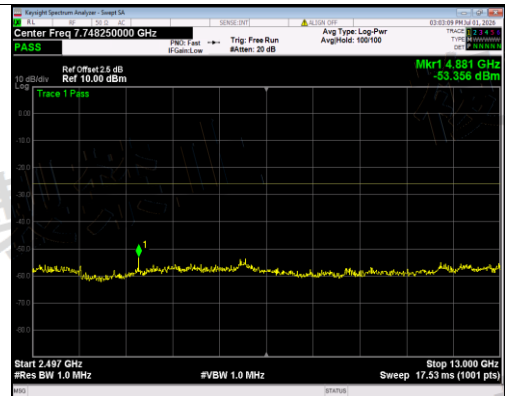
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW)	Max RMS Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	b	2412	Ant1	30-1000	397.63	58.86	NA	0.0013	NA	2.5	2.5	Pass
NVNT	b	2412	Ant1	1000-2387	2387.00	49.30	NA	0.0117	NA	2.5	2.5	Pass
NVNT	b	2412	Ant1	2387-2400	2400.00	39.67	NA	0.1079	NA	25	25	Pass
NVNT	b	2412	Ant1	2483.5 - 2496.5	2484.23	51.32	NA	0.0074	NA	25	25	Pass
NVNT	b	2412	Ant1	2496.5 -13000	7244.08	53.64	NA	0.0043	NA	2.5	2.5	Pass
NVNT	b	2442	Ant1	30-1000	280.26	58.79	NA	0.0013	NA	2.5	2.5	Pass
NVNT	b	2442	Ant1	1000-2387	2387.00	53.33	NA	0.0046	NA	2.5	2.5	Pass
NVNT	b	2442	Ant1	2387-2400	2393.19	50.21	NA	0.0095	NA	25	25	Pass
NVNT	b	2442	Ant1	2483.5 - 2496.5	2487.58	42.53	NA	0.0558	NA	25	25	Pass
NVNT	b	2442	Ant1	2496.5 -13000	4880.79	53.35	NA	0.0046	NA	2.5	2.5	Pass
NVNT	b	2472	Ant1	30-1000	784.66	58.00	NA	0.0016	NA	2.5	2.5	Pass
NVNT	b	2472	Ant1	1000-2387	2387.00	54.40	NA	0.0036	NA	2.5	2.5	Pass
NVNT	b	2472	Ant1	2387-2400	2399.73	51.47	NA	0.0071	NA	25	25	Pass
NVNT	b	2472	Ant1	2483.5 - 2496.5	2483.50	37.16	NA	0.1923	NA	25	25	Pass
NVNT	b	2472	Ant1	2496.5 -13000	11697.57	53.70	NA	0.0043	NA	2.5	2.5	Pass
NVNT	g	2412	Ant1	30-1000	927.25	57.86	NA	0.0016	NA	2.5	2.5	Pass
NVNT	g	2412	Ant1	1000-2387	2387.00	47.46	NA	0.0179	NA	2.5	2.5	Pass
NVNT	g	2412	Ant1	2387-2400	2399.97	32.19	NA	0.6039	NA	25	25	Pass
NVNT	g	2412	Ant1	2483.5 - 2496.5	2484.20	44.50	NA	0.0355	NA	25	25	Pass
NVNT	g	2412	Ant1	2496.5 -13000	7296.60	54.47	NA	0.0036	NA	2.5	2.5	Pass
NVNT	g	2442	Ant1	30-1000	859.35	58.29	NA	0.0015	NA	2.5	2.5	Pass
NVNT	g	2442	Ant1	1000-2387	2387.00	53.73	NA	0.0042	NA	2.5	2.5	Pass
NVNT	g	2442	Ant1	2387-2400	2391.86	47.53	NA	0.0177	NA	25	25	Pass
NVNT	g	2442	Ant1	2483.5 - 2496.5	2484.41	47.12	NA	0.0194	NA	25	25	Pass
NVNT	g	2442	Ant1	2496.5 -13000	5763.09	54.25	NA	0.0038	NA	2.5	2.5	Pass
NVNT	g	2472	Ant1	30-1000	534.40	58.50	NA	0.0014	NA	2.5	2.5	Pass
NVNT	g	2472	Ant1	1000-2387	2387.00	54.59	NA	0.0035	NA	2.5	2.5	Pass
NVNT	g	2472	Ant1	2387-2400	2399.73	50.56	NA	0.0088	NA	25	25	Pass
NVNT	g	2472	Ant1	2483.5 - 2496.5	2484.55	23.87	NA	4.102	NA	25	25	Pass
NVNT	g	2472	Ant1	2496.5 -13000	2496.50	53.34	NA	0.0046	NA	2.5	2.5	Pass
NVNT	n20	2412	Ant1	30-1000	923.37	58.12	NA	0.0015	NA	2.5	2.5	Pass
NVNT	n20	2412	Ant1	1000-2387	2387.00	47.15	NA	0.0193	NA	2.5	2.5	Pass

NVNT	n20	2412	Ant1	2387-2400	2399.96	-34.01	NA	0.397 2	NA	25	25	Pass
NVNT	n20	2412	Ant1	2483.5 - 2496.5	2483.68	-51.61	NA	0.006 9	NA	25	25	Pass
NVNT	n20	2412	Ant1	2496.5 -13000	7191.56	-53.96	NA	0.004	NA	2.5	2.5	Pass
NVNT	n20	2442	Ant1	30-1000	958.29	-58.72	NA	0.001 3	NA	2.5	2.5	Pass
NVNT	n20	2442	Ant1	1000-2387	2387.00	-53.23	NA	0.004 8	NA	2.5	2.5	Pass
NVNT	n20	2442	Ant1	2387-2400	2393.36	-47.27	NA	0.018 7	NA	25	25	Pass
NVNT	n20	2442	Ant1	2483.5 - 2496.5	2485.23	-38.42	NA	0.143 9	NA	25	25	Pass
NVNT	n20	2442	Ant1	2496.5 -13000	2538.51	-45.88	NA	0.025 8	NA	2.5	2.5	Pass
NVNT	n20	2472	Ant1	30-1000	810.85	-58.46	NA	0.001 4	NA	2.5	2.5	Pass
NVNT	n20	2472	Ant1	1000-2387	2387.00	-54.96	NA	0.003 2	NA	2.5	2.5	Pass
NVNT	n20	2472	Ant1	2387-2400	2391.81	-50.09	NA	0.009 8	NA	25	25	Pass
NVNT	n20	2472	Ant1	2483.5 - 2496.5	2484.29	-24.23	NA	3.775 7	NA	25	25	Pass
NVNT	n20	2472	Ant1	2496.5 -13000	7275.59	-54.72	NA	0.003 4	NA	2.5	2.5	Pass
NVNT	n40	2422	Ant1	30-1000	839.95	-58.70	NA	0.001 3	NA	2.5	2.5	Pass
NVNT	n40	2422	Ant1	1000-2387	2387.00	-47.29	NA	0.018 7	NA	2.5	2.5	Pass
NVNT	n40	2422	Ant1	2387-2400	2399.97	-29.21	NA	1.199 5	NA	25	25	Pass
NVNT	n40	2422	Ant1	2483.5 - 2496.5	2484.38	-47.42	NA	0.018 1	NA	25	25	Pass
NVNT	n40	2422	Ant1	2496.5 -13000	6550.85	-54.96	NA	0.003 2	NA	2.5	2.5	Pass
NVNT	n40	2442	Ant1	30-1000	866.14	-56.92	NA	0.002	NA	2.5	2.5	Pass
NVNT	n40	2442	Ant1	1000-2387	2387.00	-47.98	NA	0.015 9	NA	2.5	2.5	Pass
NVNT	n40	2442	Ant1	2387-2400	2399.25	-44.22	NA	0.037 8	NA	25	25	Pass
NVNT	n40	2442	Ant1	2483.5 - 2496.5	2484.79	-42.53	NA	0.055 8	NA	25	25	Pass
NVNT	n40	2442	Ant1	2496.5 -13000	7128.54	-54.47	NA	0.003 6	NA	2.5	2.5	Pass
NVNT	n40	2462	Ant1	30-1000	478.14	-58.62	NA	0.001 4	NA	2.5	2.5	Pass
NVNT	n40	2462	Ant1	1000-2387	2387.00	-46.49	NA	0.022 4	NA	2.5	2.5	Pass
NVNT	n40	2462	Ant1	2387-2400	2399.92	-39.78	NA	0.105 2	NA	25	25	Pass
NVNT	n40	2462	Ant1	2483.5 - 2496.5	2484.42	-27.32	NA	1.853 5	NA	25	25	Pass
NVNT	n40	2462	Ant1	2496.5 -13000	2496.50	-50.25	NA	0.009 4	NA	2.5	2.5	Pass

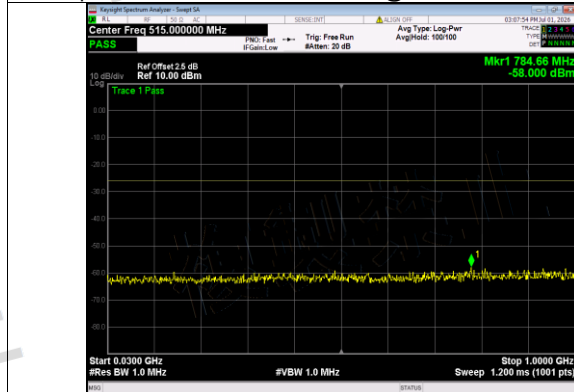




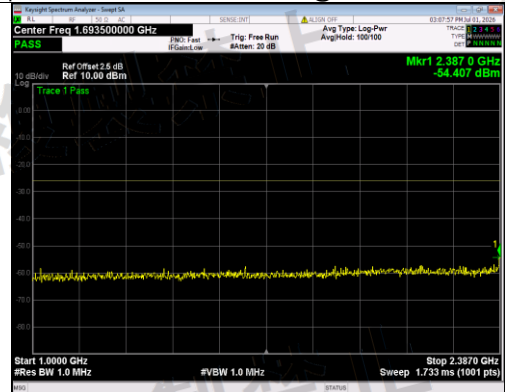
Tx. Spurious NVNT b 2442MHz Ant1 @ 2483.5MHz-2496.5MHz



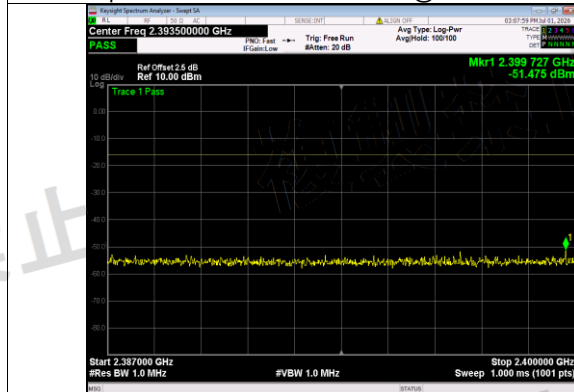
Tx. Spurious NVNT b 2442MHz Ant1 @ 2496.5MHz-13000MHz



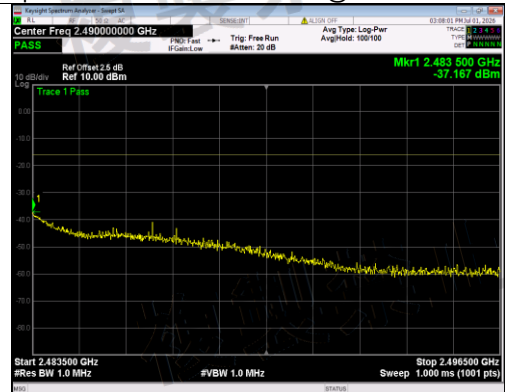
Tx. Spurious NVNT b 2472MHz Ant1 @ 30MHz-1000MHz



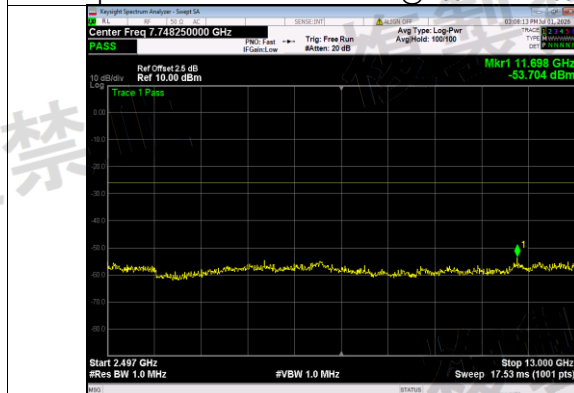
Tx. Spurious NVNT b 2472MHz Ant1 @ 1000MHz-2387MHz



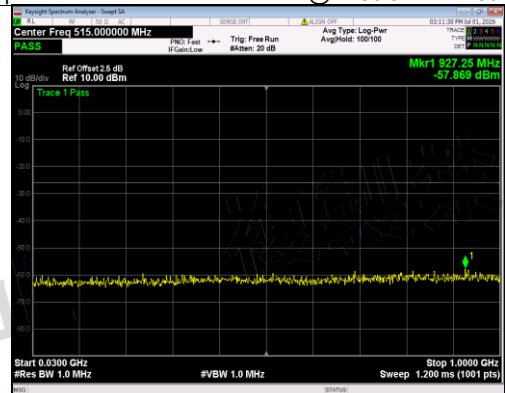
Tx. Spurious NVNT b 2472MHz Ant1 @ 2387MHz-2400MHz



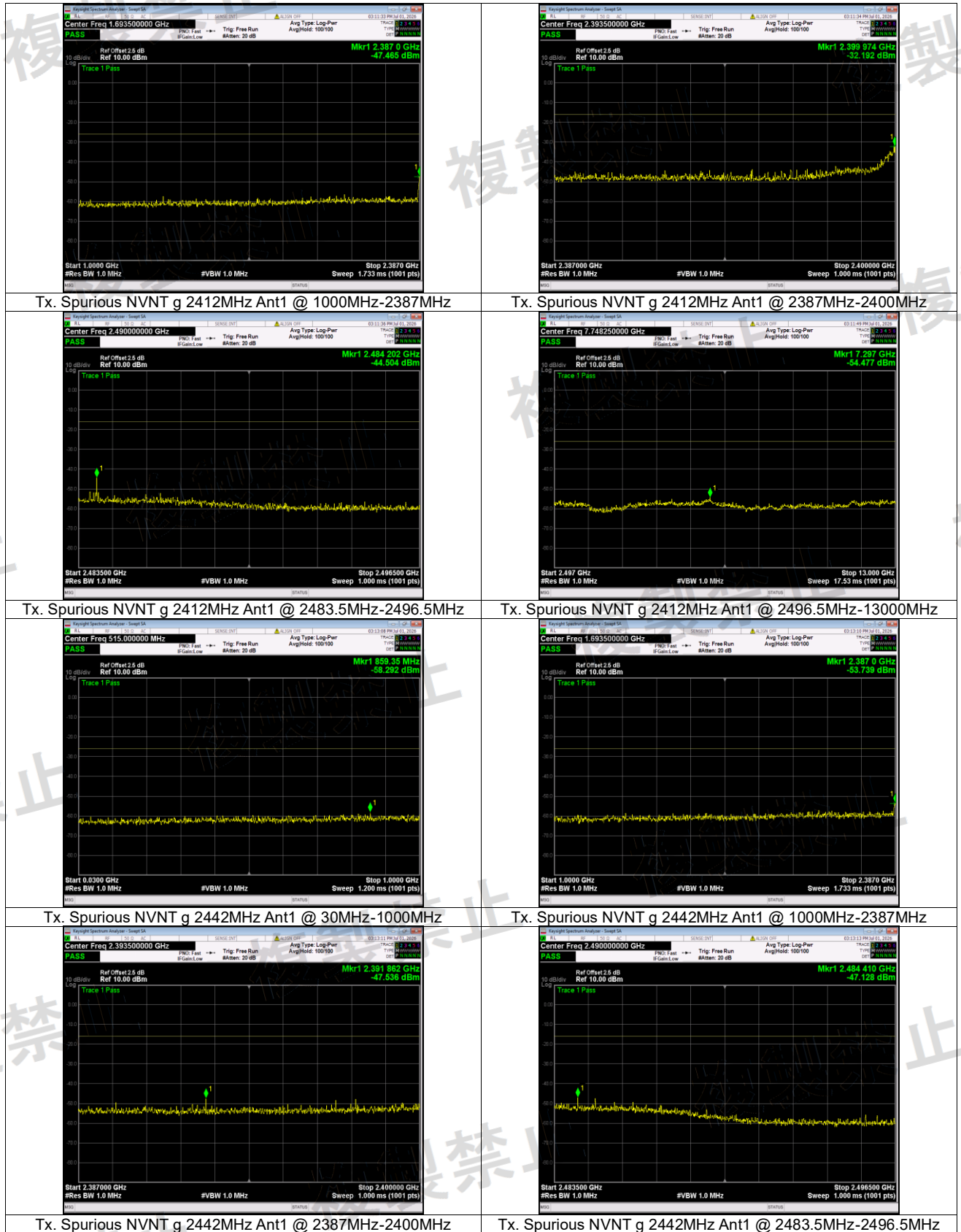
Tx. Spurious NVNT b 2472MHz Ant1 @ 2483.5MHz-2496.5MHz

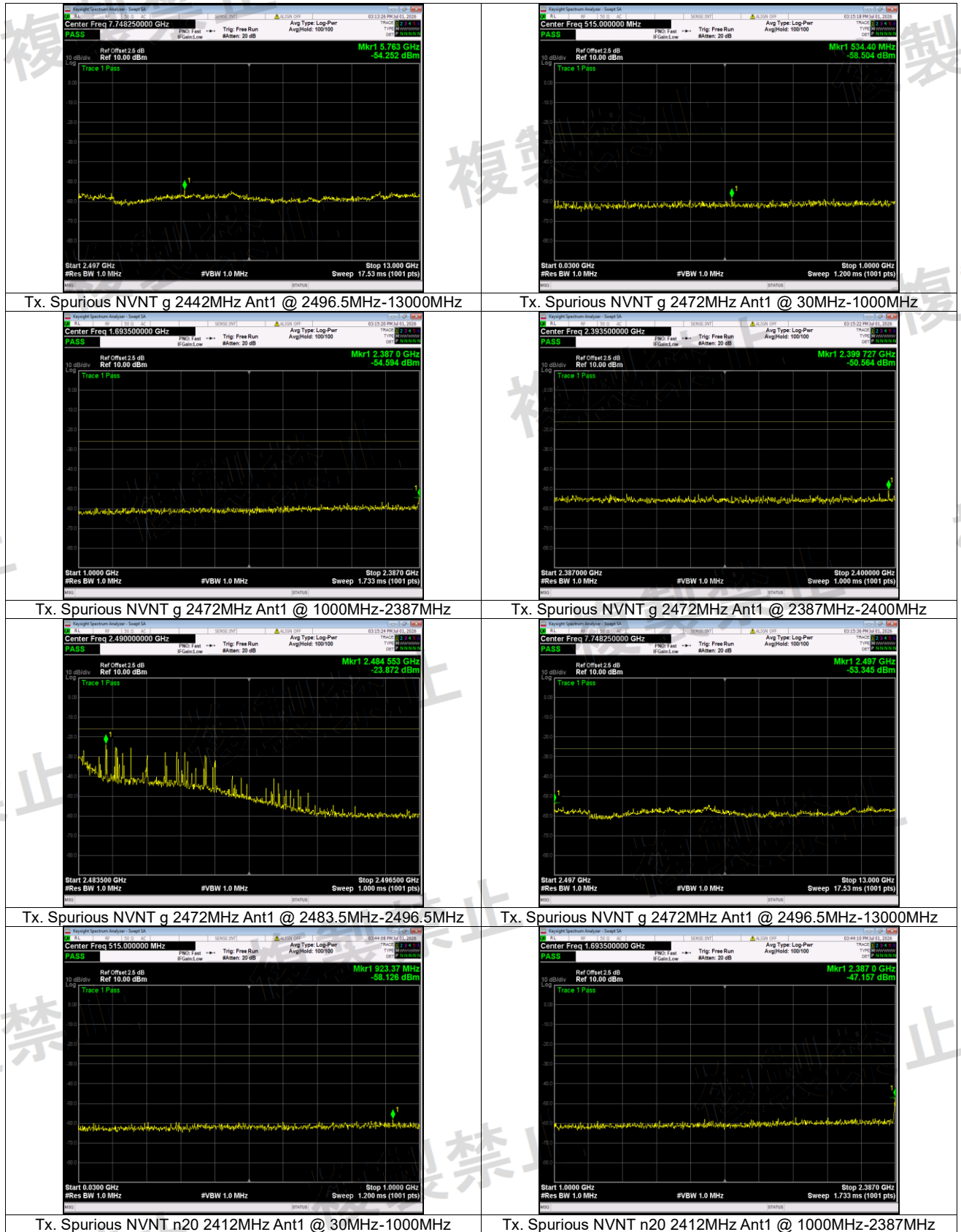


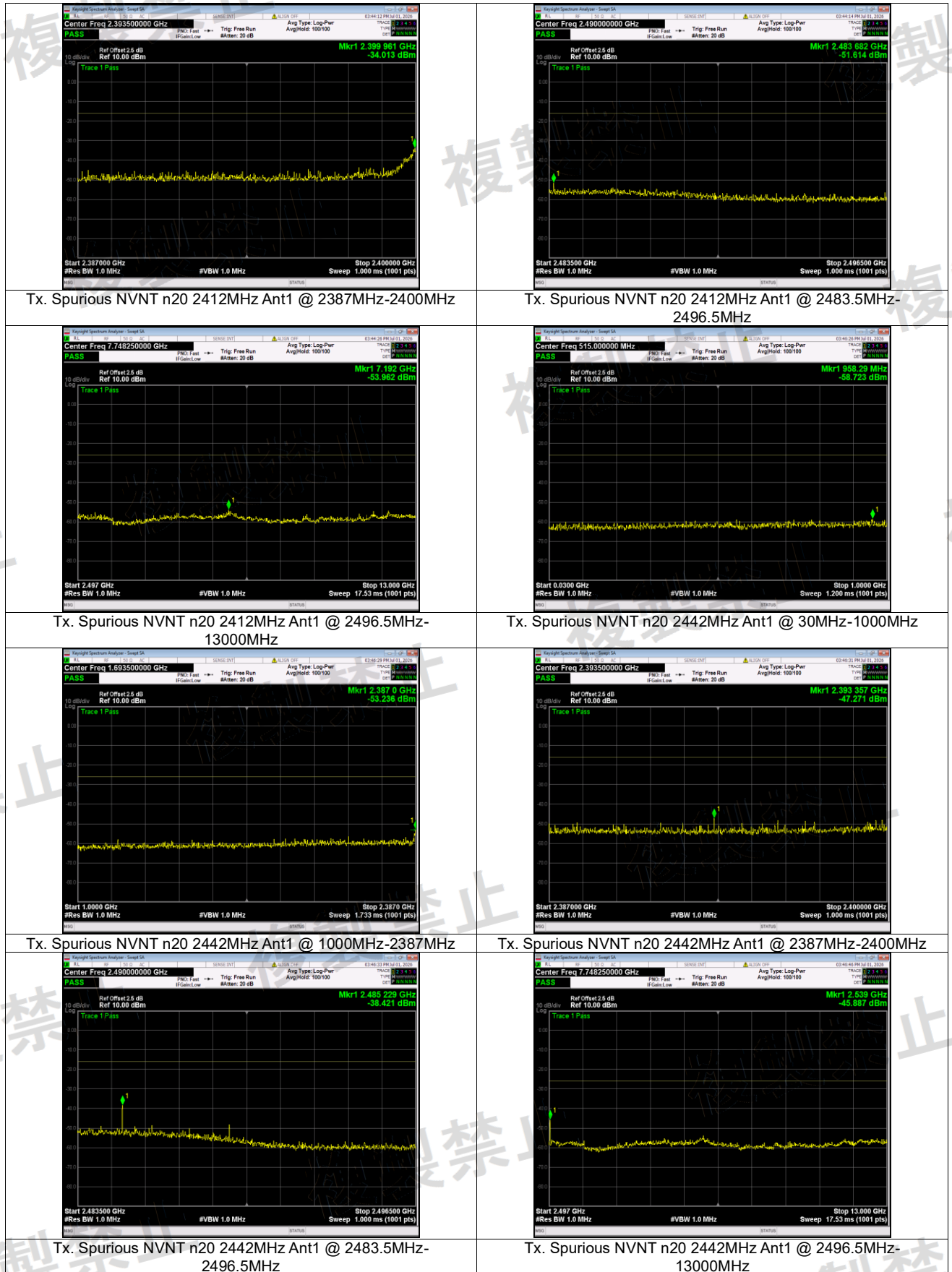
Tx. Spurious NVNT b 2472MHz Ant1 @ 2496.5MHz-13000MHz

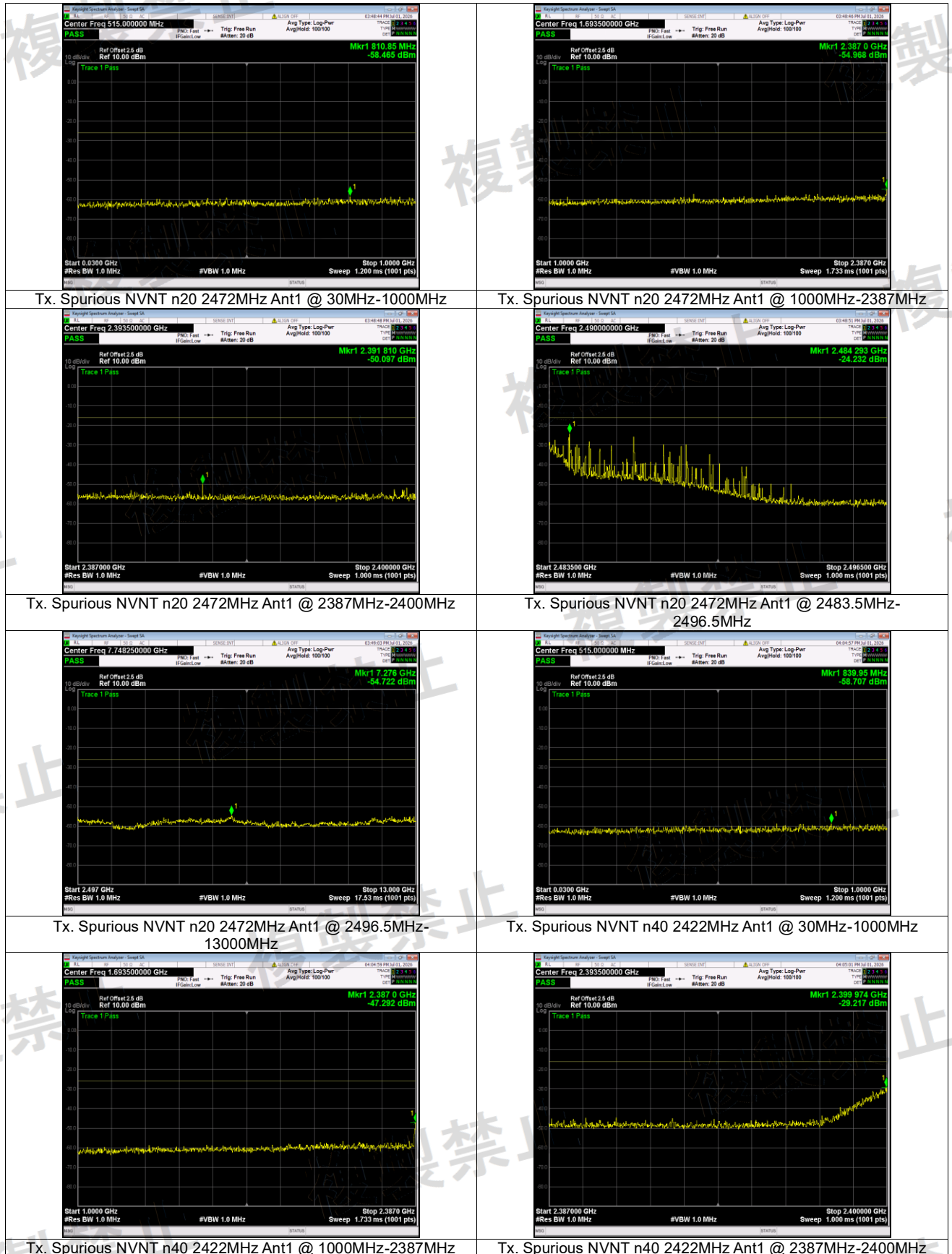


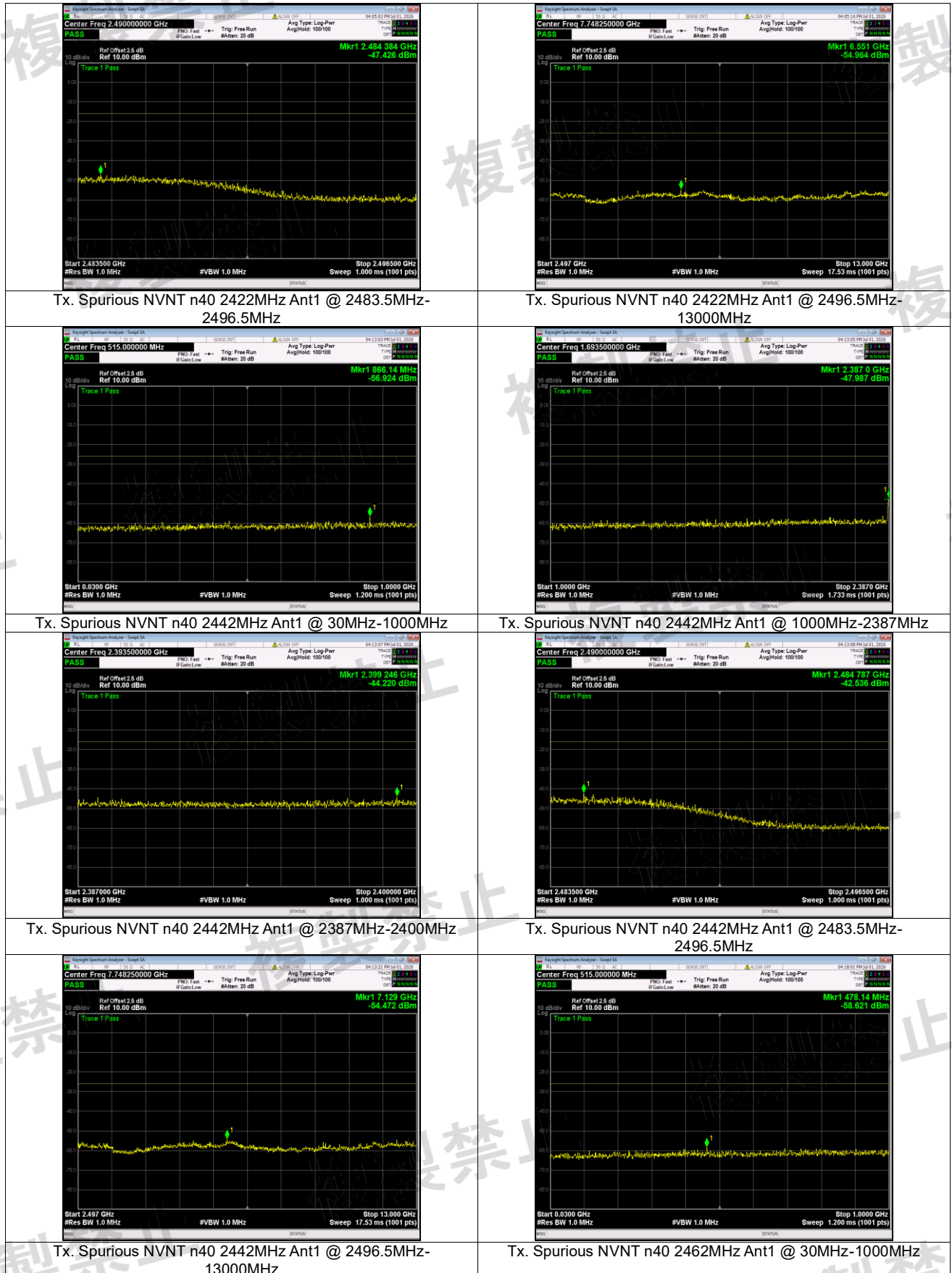
Tx. Spurious NVNT g 2412MHz Ant1 @ 30MHz-1000MHz

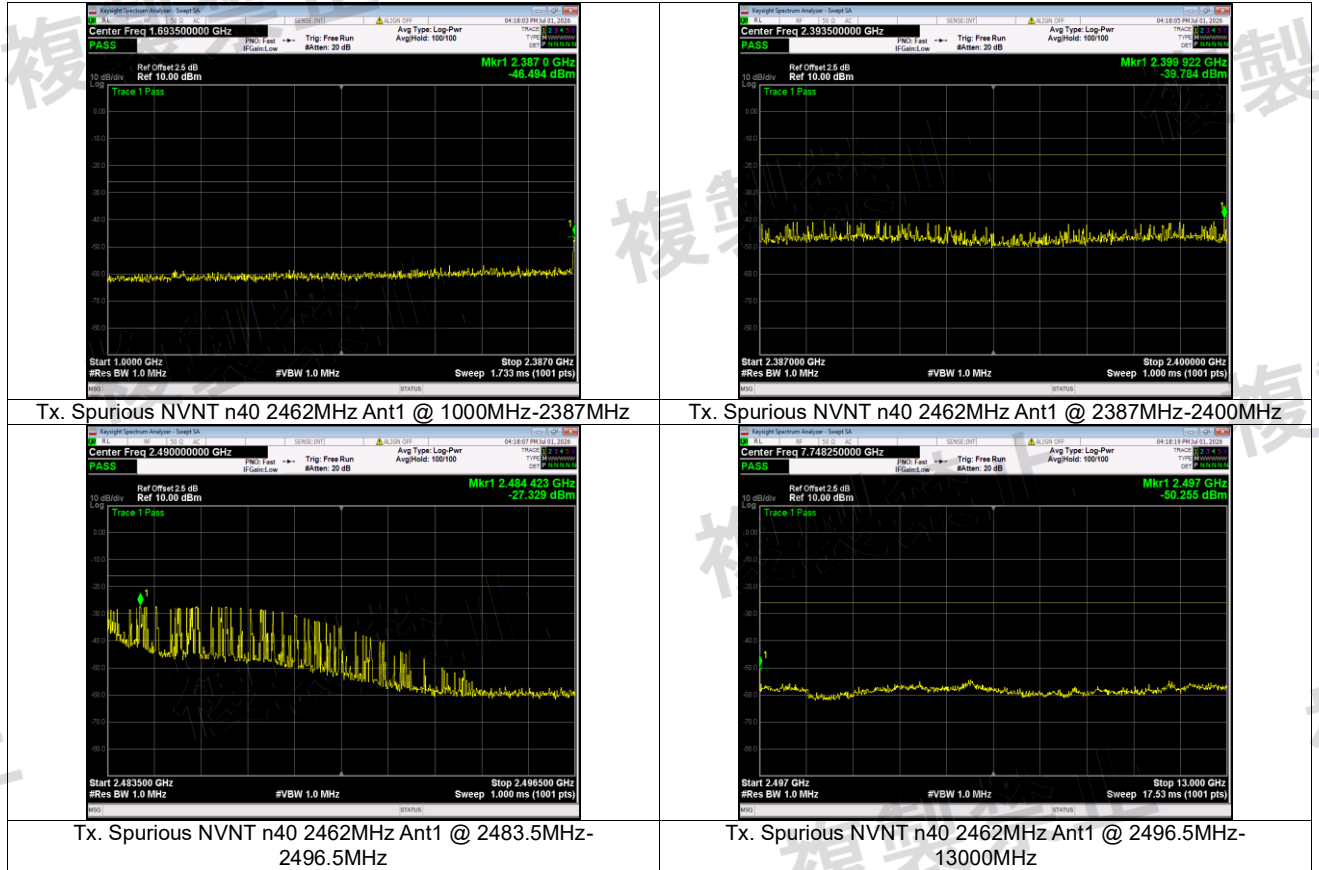






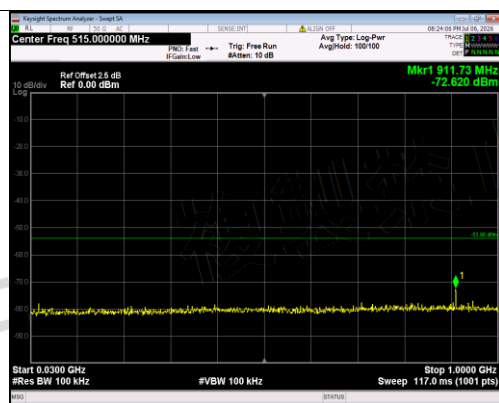




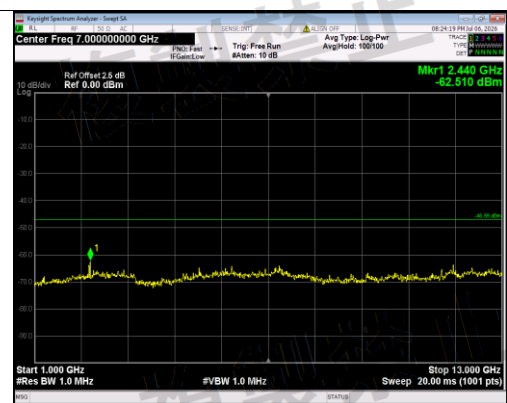


Rx Spurious Emission

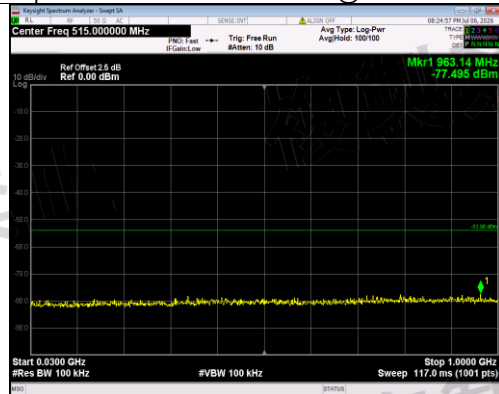
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (nW)	Max RMS Value (nW)	Limit (nW)	Verdict
NVNT	b	2412	Ant1	30-1000	911.73	-72.62	NA	0.0547	NA	4	Pass
NVNT	b	2412	Ant1	1000-13000	2440.00	-62.51	NA	0.561	NA	20	Pass
NVNT	b	2442	Ant1	30-1000	963.14	-77.50	NA	0.0178	NA	4	Pass
NVNT	b	2442	Ant1	1000-13000	2428.00	-52.53	-71.13	5.5847	0.0771	20	Pass
NVNT	b	2472	Ant1	30-1000	911.73	-69.40	NA	0.1148	NA	4	Pass
NVNT	b	2472	Ant1	1000-13000	2440.00	-48.31	-63.19	14.7571	0.4797	20	Pass
NVNT	n40	2422	Ant1	30-1000	778.84	-78.00	NA	0.0158	NA	4	Pass
NVNT	n40	2422	Ant1	1000-13000	7288.00	-64.69	NA	0.3396	NA	20	Pass
NVNT	n40	2442	Ant1	30-1000	767.20	-77.73	NA	0.0169	NA	4	Pass
NVNT	n40	2442	Ant1	1000-13000	11620.00	-63.82	NA	0.415	NA	20	Pass
NVNT	n40	2462	Ant1	30-1000	756.53	-77.48	NA	0.0179	NA	4	Pass
NVNT	n40	2462	Ant1	1000-13000	7336.00	-65.13	NA	0.3069	NA	20	Pass



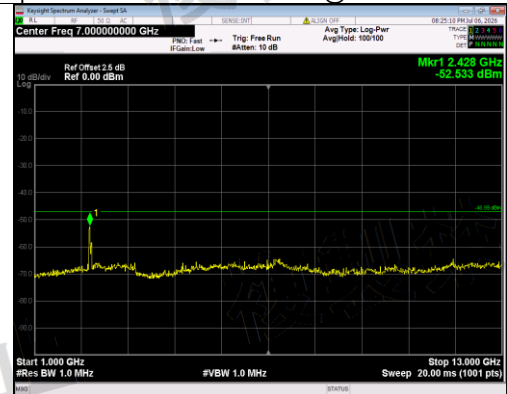
Rx. Spurious NVNT b 2412MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT b 2412MHz Ant1 @ 1000MHz-13000MHz



Rx. Spurious NVNT b 2442MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT b 2442MHz Ant1 @ 1000MHz-13000MHz

