

Appendix A.1 Test Result of Antenna Power

GFSK (1 Mbps)

Test Conditions	Frequency (MHz)	Antenna Power (dBm)	Antenna Power (mW)	Antenna Power Limit (mW)
V_{nom}	2402	3.42	2.20	10
	2440	3.07	2.03	10
	2480	3.58	2.28	10
V_{max}	2402	3.37	2.17	10
	2440	2.98	1.99	10
	2480	3.51	2.24	10
V_{min}	2402	3.39	2.18	10
	2440	3.03	2.01	10
	2480	3.53	2.25	10

GFSK (2 Mbps)

Test Conditions	Frequency (MHz)	Antenna Power (dBm)	Antenna Power (mW)	Antenna Power Limit (mW)
V_{nom}	2402	3.38	2.18	10
	2440	3.06	2.02	10
	2480	3.48	2.23	10
V_{max}	2402	3.28	2.13	10
	2440	2.97	1.98	10
	2480	3.40	2.19	10
V_{min}	2402	3.34	2.16	10
	2440	3.01	2.00	10
	2480	3.46	2.22	10

Appendix A.2 Test Result of Antenna Power Tolerance

GFSK (1 Mbps)

Test Conditions	Frequency (MHz)	Declared Antenna Power (mW)	Antenna Power (mW)	Tolerance (%)	Limit (%)
V _{nom}	2402	2.28	2.20	-3.62	+20
	2440	2.28	2.03	-11.08	+20
	2480	2.28	2.28	0.00	+20
V _{max}	2402	2.28	2.17	-4.71	+20
	2440	2.28	1.99	-12.89	+20
	2480	2.28	2.24	-1.58	+20
V _{min}	2402	2.28	2.18	-4.27	+20
	2440	2.28	2.01	-11.88	+20
	2480	2.28	2.25	-1.13	+20

Note: Tolerance = (Antenna Power - Declared Antenna Power) / Declared Antenna Power * 100%.

GFSK (2 Mbps)

Test Conditions	Frequency (MHz)	Declared Antenna Power (mW)	Antenna Power (mW)	Tolerance (%)	Limit (%)
V _{nom}	2402	2.23	2.18	-2.28	+20
	2440	2.23	2.02	-9.22	+20
	2480	2.23	2.23	0.00	+20
V _{max}	2402	2.23	2.13	-4.57	+20
	2440	2.23	1.98	-11.14	+20
	2480	2.23	2.19	-1.89	+20
V _{min}	2402	2.23	2.16	-3.24	+20
	2440	2.23	2.00	-10.32	+20
	2480	2.23	2.22	-0.53	+20

Note: Tolerance = (Antenna Power - Declared Antenna Power) / Declared Antenna Power * 100%.

Appendix A.3 Test Result of E.I.R.P

GFSK (1 Mbps)

Test Conditions	Frequency (MHz)	Antenna Power (dBm)	EIRP (dBm)	Limit (dBm)
V_{nom}	2402	3.42	6.27	12.14
	2440	3.07	5.92	12.14
	2480	3.58	6.43	12.14
V_{max}	2402	3.37	6.22	12.14
	2440	2.98	5.83	12.14
	2480	3.51	6.36	12.14
V_{min}	2402	3.39	6.24	12.14
	2440	3.03	5.88	12.14
	2480	3.53	6.38	12.14

Note: EIRP = Antenna Power + Antenna Max Gain (dBi).

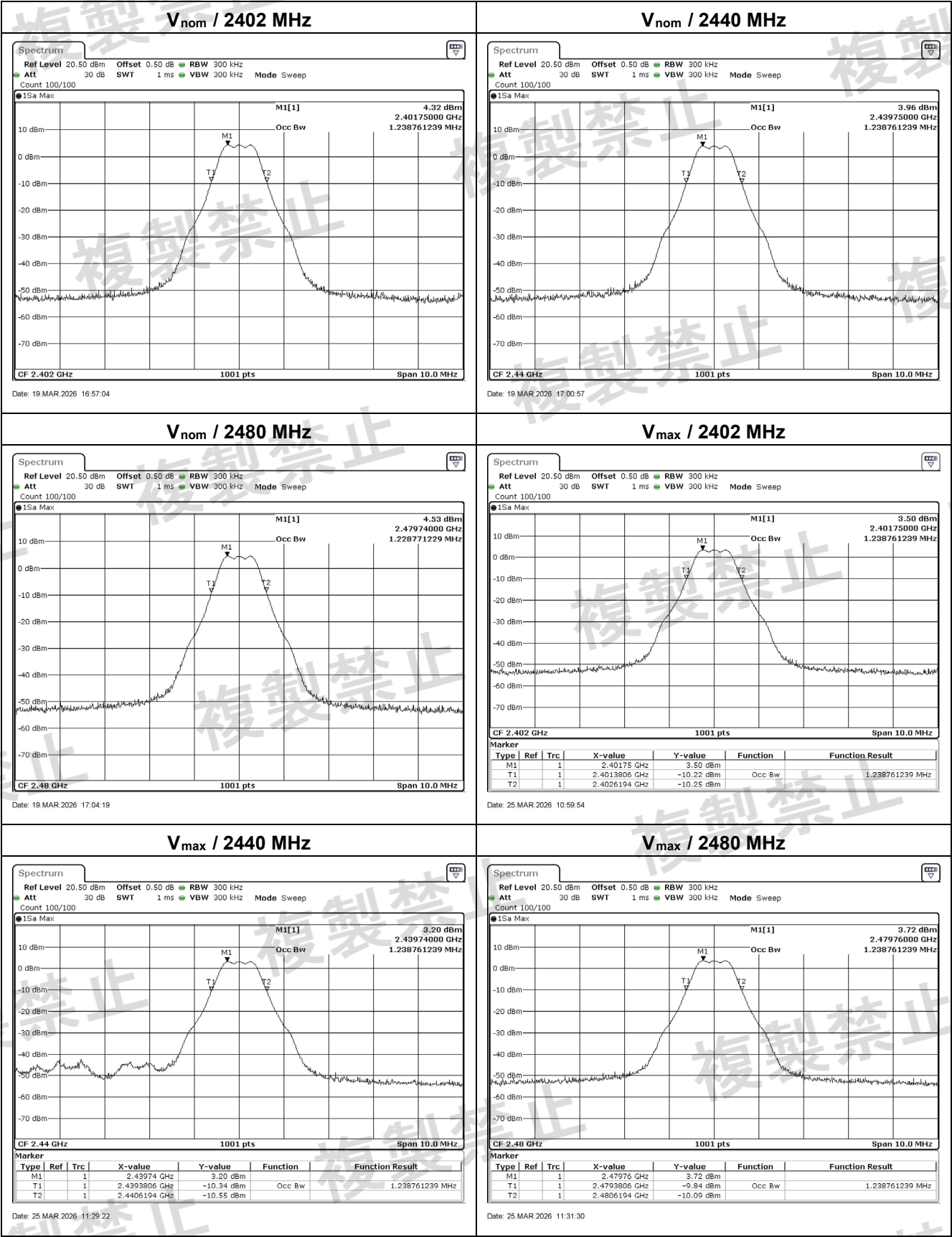
GFSK (2 Mbps)

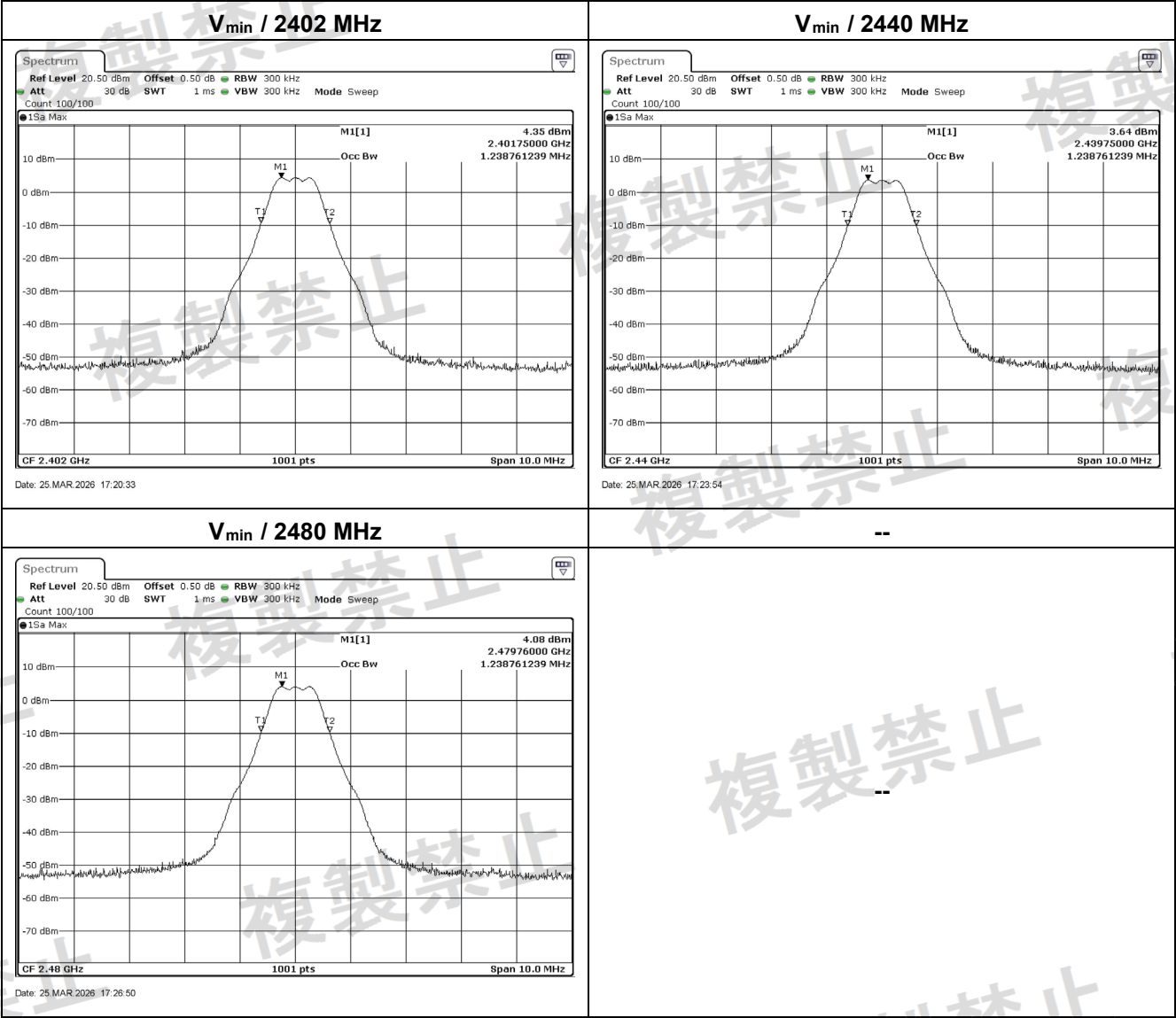
Test Conditions	Frequency (MHz)	Antenna Power (dBm)	EIRP (dBm)	Limit (dBm)
V_{nom}	2402	3.38	6.23	12.14
	2440	3.06	5.91	12.14
	2480	3.48	6.33	12.14
V_{max}	2402	3.28	6.13	12.14
	2440	2.97	5.82	12.14
	2480	3.40	6.25	12.14
V_{min}	2402	3.34	6.19	12.14
	2440	3.01	5.86	12.14
	2480	3.46	6.31	12.14

Note: EIRP = Antenna Power + Antenna Max Gain (dBi).

Appendix B. Test Result of Occupied Bandwidth**GFSK (1 Mbps)**

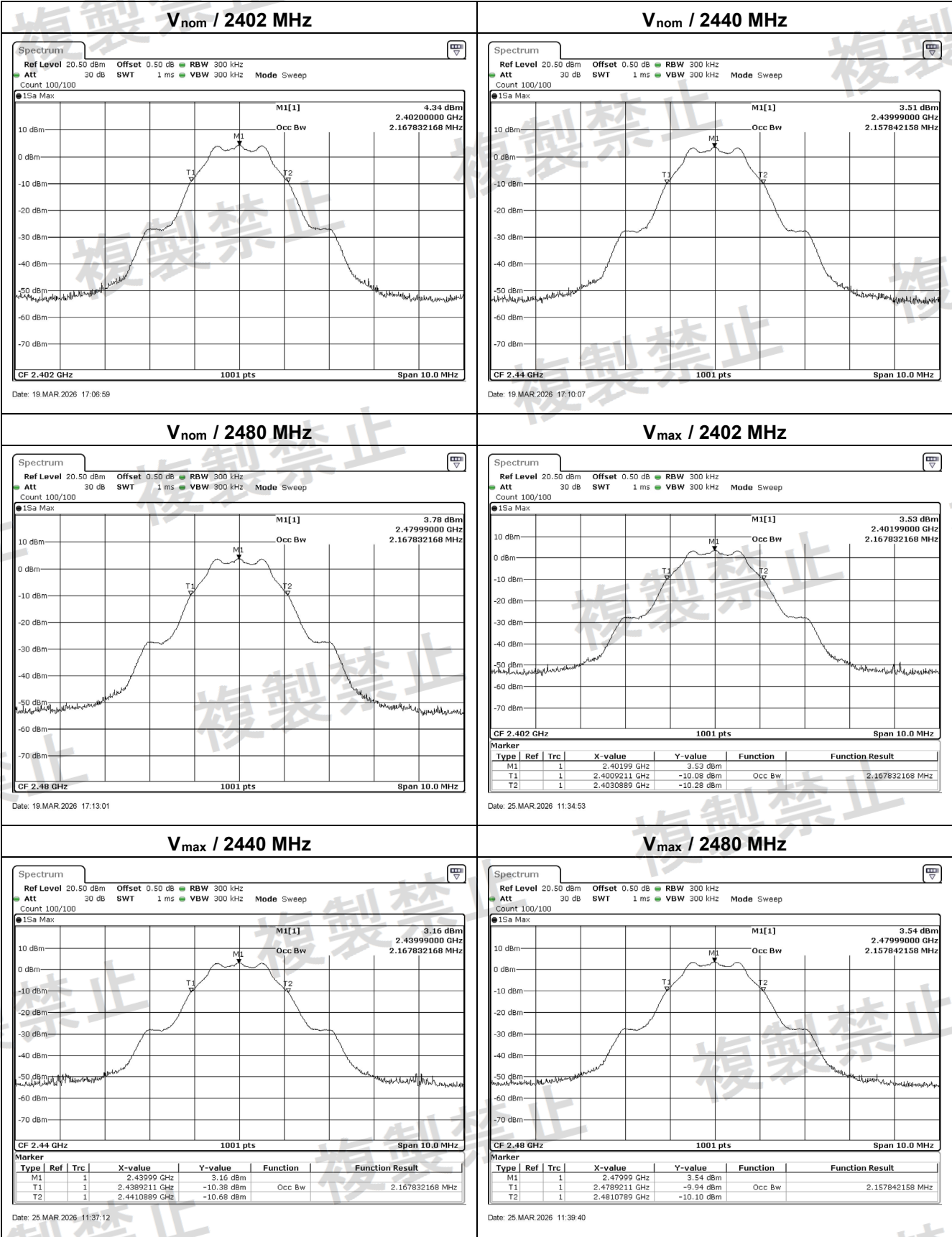
Test Conditions	Frequency (MHz)	Reading Value (MHz)	Limit (MHz)
V_{nom}	2402	1.24	≤ 26
	2440	1.24	≤ 26
	2480	1.23	≤ 26
V_{max}	2402	1.24	≤ 26
	2440	1.24	≤ 26
	2480	1.24	≤ 26
V_{min}	2402	1.24	≤ 26
	2440	1.24	≤ 26
	2480	1.24	≤ 26

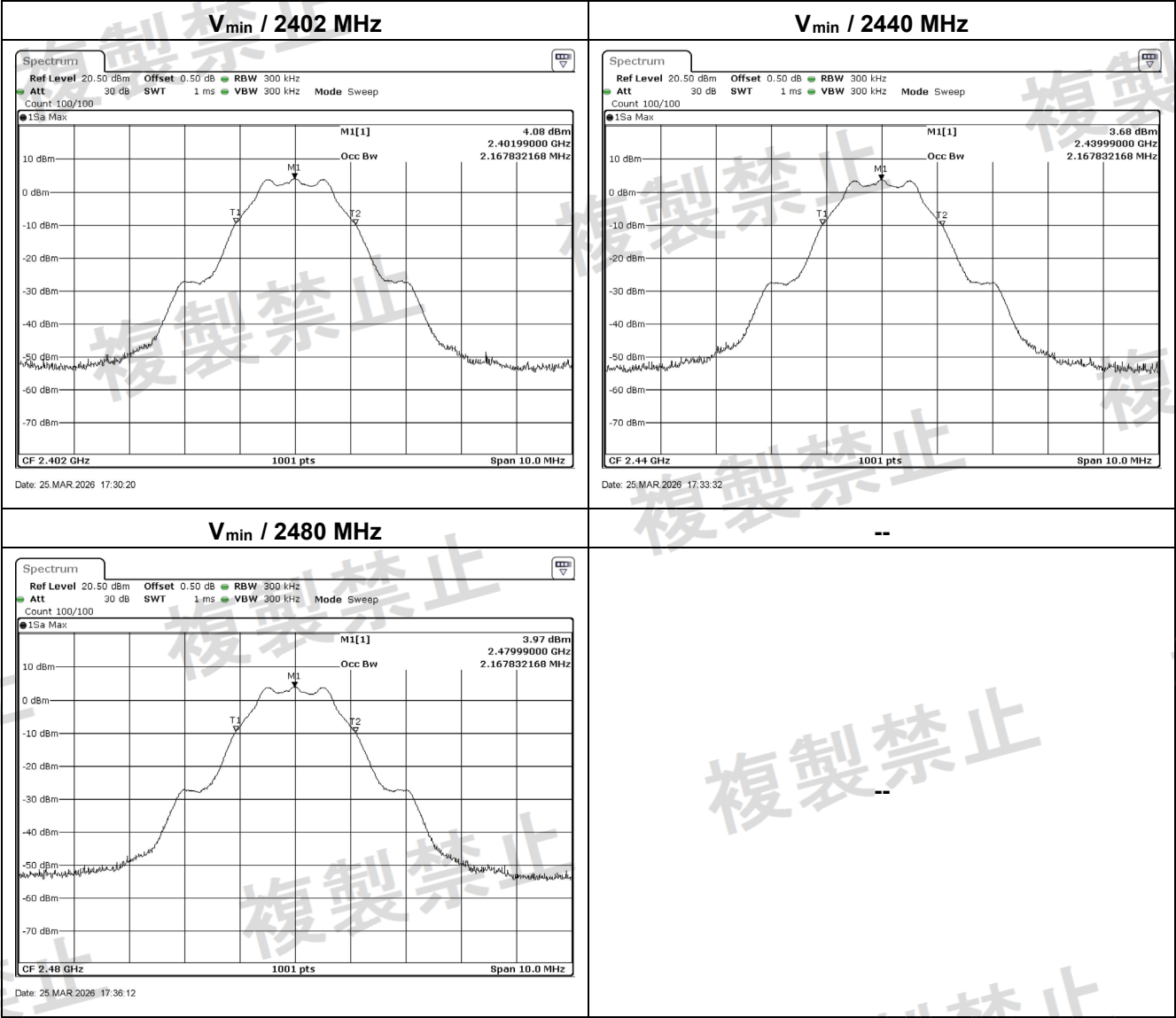




GFSK (2 Mbps)

Test Conditions	Frequency (MHz)	Reading Value (MHz)	Limit (MHz)
V_{nom}	2402	2.17	≤ 26
	2440	2.16	≤ 26
	2480	2.17	≤ 26
V_{max}	2402	2.17	≤ 26
	2440	2.17	≤ 26
	2480	2.16	≤ 26
V_{min}	2402	2.17	≤ 26
	2440	2.17	≤ 26
	2480	2.16	≤ 26





Appendix C. Test Result of Frequency Tolerance

GFSK (1 Mbps)

Test Conditions	Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)
V_{nom}	2402	2402.00	-0.58	± 50
	2440	2440.00	-0.74	± 50
	2480	2480.00	-0.93	± 50
V_{max}	2402	2402.00	-0.21	± 50
	2440	2440.00	-0.61	± 50
	2480	2480.00	-0.69	± 50
V_{min}	2402	2402.00	-0.04	± 50
	2440	2440.00	-0.16	± 50
	2480	2480.00	-0.28	± 50

GFSK (2 Mbps)

Test Conditions	Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)
V_{nom}	2402	2402.00	-0.83	± 50
	2440	2440.00	-0.94	± 50
	2480	2480.00	-1.09	± 50
V_{max}	2402	2402.00	-0.46	± 50
	2440	2440.00	-0.37	± 50
	2480	2480.00	-0.48	± 50
V_{min}	2402	2402.00	-0.17	± 50
	2440	2440.00	-0.20	± 50
	2480	2480.00	-0.32	± 50

Appendix D. Test Result of Transmitter Spurious Emissions

GFSK (1 Mbps)

Test Conditions	Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value ($\mu\text{W/MHz}$)	Limit ($\mu\text{W/MHz}$)
V_{nom}	2402	30 – 1000	707.87	0.008260	2.5
		1000 – 2387	1769.26	0.004375	2.5
		2387 – 2400	2400.00	1.238797	25
		2483.5 – 2496.5	2495.50	0.002559	25
		2496.5 – 8000	4803.68	0.009931	2.5
		8000 – 12500	11178.66	0.002046	2.5
	2440	30 – 1000	813.24	0.002535	2.5
		1000 – 2387	2383.25	0.002239	2.5
		2387 – 2400	2392.85	0.002742	25
		2483.5 – 2496.5	2493.24	0.002466	25
		2496.5 – 8000	4879.53	0.006761	2.5
		8000 – 12500	12078.49	0.002173	2.5
	2480	30 – 1000	711.09	0.008630	2.5
		1000 – 2387	2360.28	0.002564	2.5
		2387 – 2400	2399.91	0.004227	25
		2483.5 – 2496.5	2483.69	0.017258	25
		2496.5 – 8000	4959.67	0.012106	2.5
		8000 – 12500	12045.87	0.002228	2.5
V_{max}	2402	30 – 1000	800.54	0.002667	2.5
		1000 – 2387	2386.07	0.002443	2.5
		2387 – 2400	2400.00	1.096478	25
		2483.5 – 2496.5	2490.90	0.002559	25
		2496.5 – 8000	4803.51	0.006039	2.5
		8000 – 12500	12473.63	0.002570	2.5
	2440	30 – 1000	838.82	0.001923	2.5
		1000 – 2387	2359.98	0.002099	2.5
		2387 – 2400	2397.09	0.002529	25
		2483.5 – 2496.5	2486.00	0.002495	25
		2496.5 – 8000	4879.87	0.004853	2.5
		8000 – 12500	12191.55	0.002512	2.5
	2480	30 – 1000	773.38	0.001963	2.5
		1000 – 2387	2319.75	0.002023	2.5
		2387 – 2400	2399.81	0.003837	25
		2483.5 – 2496.5	2483.64	0.014588	25
		2496.5 – 8000	4960.53	0.007328	2.5
		8000 – 12500	10761.86	0.002333	2.5

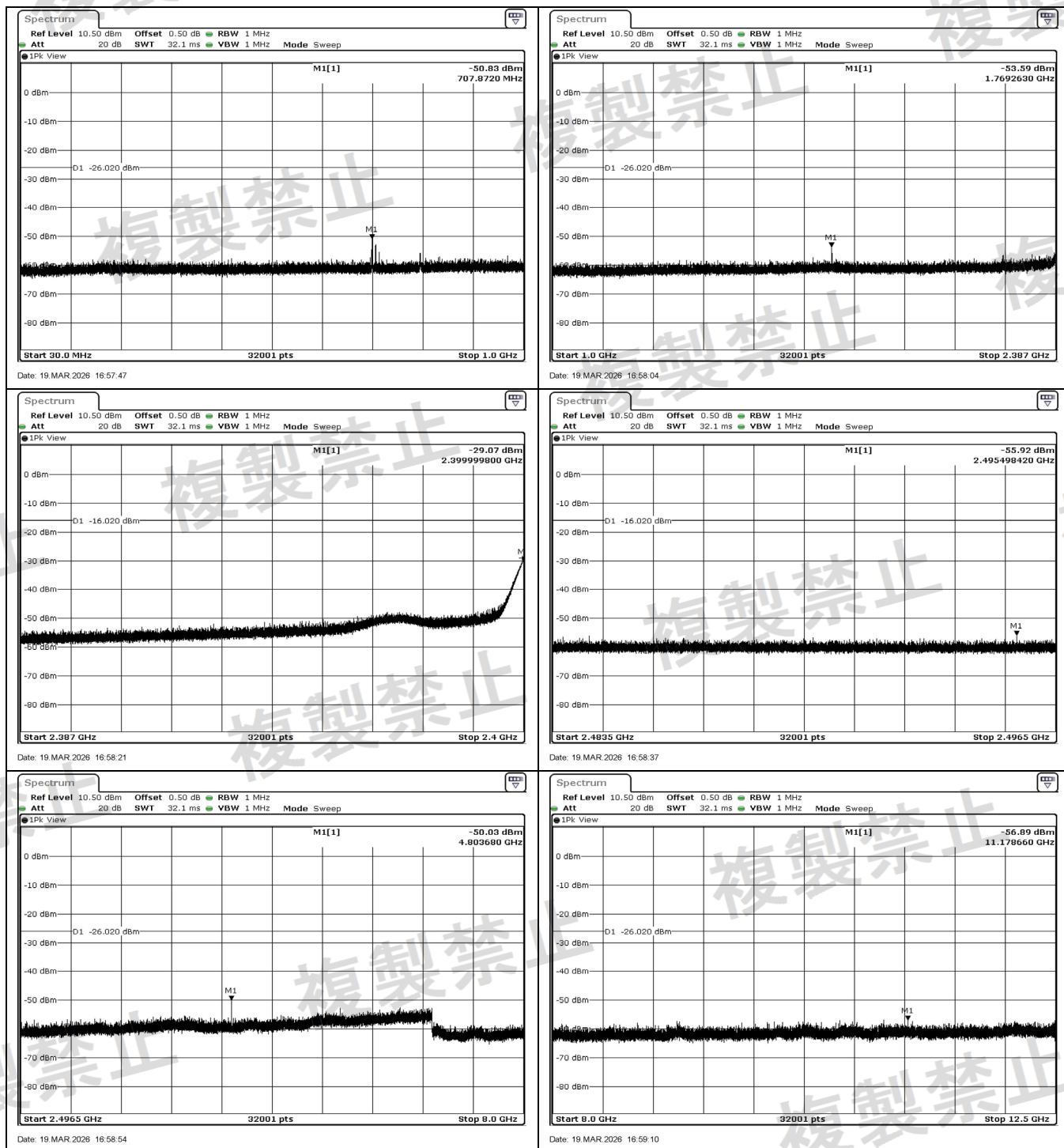
Test Conditions	Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value ($\mu\text{W}/\text{MHz}$)	Limit ($\mu\text{W}/\text{MHz}$)
$V_{\min}$	2402	30 – 1000	801.32	0.002576	2.5
		1000 – 2387	2385.25	0.002564	2.5
		2387 – 2400	2400.00	1.256030	25
		2483.5 – 2496.5	2494.82	0.002399	25
		2496.5 – 8000	4803.34	0.007396	2.5
		8000 – 12500	12258.91	0.001824	2.5
	2440	30 – 1000	930.48	0.002685	2.5
		1000 – 2387	2280.23	0.002133	2.5
		2387 – 2400	2387.08	0.002588	25
		2483.5 – 2496.5	2490.32	0.002472	25
		2496.5 – 8000	6816.53	0.006546	2.5
		8000 – 12500	11731.16	0.001972	2.5
	2480	30 – 1000	827.03	0.002339	2.5
		1000 – 2387	2320.10	0.002864	2.5
		2387 – 2400	2399.62	0.005140	25
		2483.5 – 2496.5	2483.53	0.016406	25
		2496.5 – 8000	4960.01	0.009333	2.5
		8000 – 12500	10285.72	0.002042	2.5

GFSK (2 Mbps)

Test Conditions	Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value ($\mu\text{W}/\text{MHz}$)	Limit ($\mu\text{W}/\text{MHz}$)
V_{nom}	2402	30 – 1000	709.48	0.007244	2.5
		1000 – 2387	2362.49	0.003802	2.5
		2387 – 2400	2400.00	16.292960	25
		2483.5 – 2496.5	2494.74	0.002113	25
		2496.5 – 8000	6955.14	0.006209	2.5
		8000 – 12500	11174.16	0.002104	2.5
	2440	30 – 1000	717.97	0.003990	2.5
		1000 – 2387	2360.24	0.002000	2.5
		2387 – 2400	2399.45	0.004446	25
		2483.5 – 2496.5	2495.41	0.002547	25
		2496.5 – 8000	6734.49	0.005821	2.5
		8000 – 12500	12297.86	0.001888	2.5
	2480	30 – 1000	710.18	0.005260	2.5
		1000 – 2387	2359.93	0.002259	2.5
		2387 – 2400	2399.56	0.004634	25
		2483.5 – 2496.5	2483.54	0.031842	25
		2496.5 – 8000	4960.87	0.008810	2.5
		8000 – 12500	12207.30	0.002344	2.5
V_{max}	2402	30 – 1000	801.08	0.003141	2.5
		1000 – 2387	2362.75	0.004036	2.5
		2387 – 2400	2400.00	15.595525	25
		2483.5 – 2496.5	2493.73	0.002223	25
		2496.5 – 8000	4803.17	0.005662	2.5
		8000 – 12500	12443.26	0.002655	2.5
	2440	30 – 1000	946.52	0.002080	2.5
		1000 – 2387	2360.63	0.001897	2.5
		2387 – 2400	2399.53	0.003936	25
		2483.5 – 2496.5	2491.73	0.003013	25
		2496.5 – 8000	6834.24	0.004753	2.5
		8000 – 12500	11554.54	0.002432	2.5
	2480	30 – 1000	791.17	0.002014	2.5
		1000 – 2387	2360.32	0.002023	2.5
		2387 – 2400	2399.47	0.003622	25
		2483.5 – 2496.5	2483.52	0.027164	25
		2496.5 – 8000	4959.33	0.006745	2.5
		8000 – 12500	12067.52	0.002432	2.5

Test Conditions	Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (μW/MHz)	Limit (μW/MHz)
V _{min}	2402	30 – 1000	800.93	0.002382	2.5
		1000 – 2387	2362.45	0.004150	2.5
		2387 – 2400	2400.00	16.865530	25
		2483.5 – 2496.5	2486.72	0.002163	25
		2496.5 – 8000	4805.06	0.008128	2.5
		8000 – 12500	10604.79	0.002234	2.5
	2440	30 – 1000	813.99	0.002089	2.5
		1000 – 2387	2359.76	0.002158	2.5
		2387 – 2400	2399.34	0.004355	25
		2483.5 – 2496.5	2490.11	0.002339	25
		2496.5 – 8000	6894.26	0.006081	2.5
		8000 – 12500	11825.37	0.002153	2.5
	2480	30 – 1000	707.48	0.002965	2.5
		1000 – 2387	2320.49	0.002350	2.5
		2387 – 2400	2399.54	0.004645	25
		2483.5 – 2496.5	2483.62	0.027164	25
		2496.5 – 8000	4959.33	0.009506	2.5
		8000 – 12500	10626.58	0.002080	2.5

GFSK (1 Mbps)

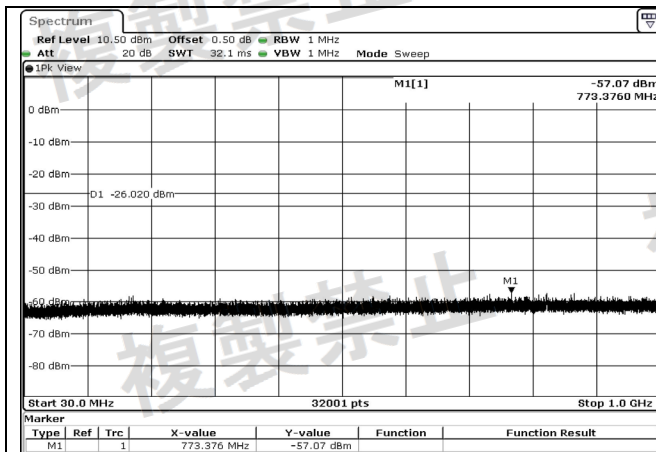
 V_{nom} / 2402 MHz

V_{nom} / 2440 MHz

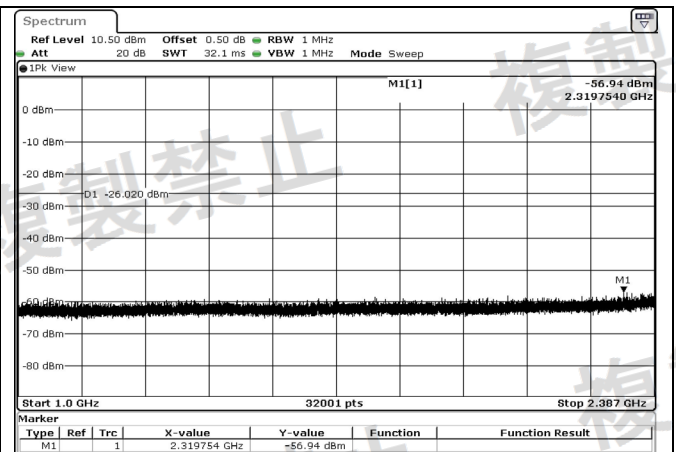
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V_{max} / 2402 MHz

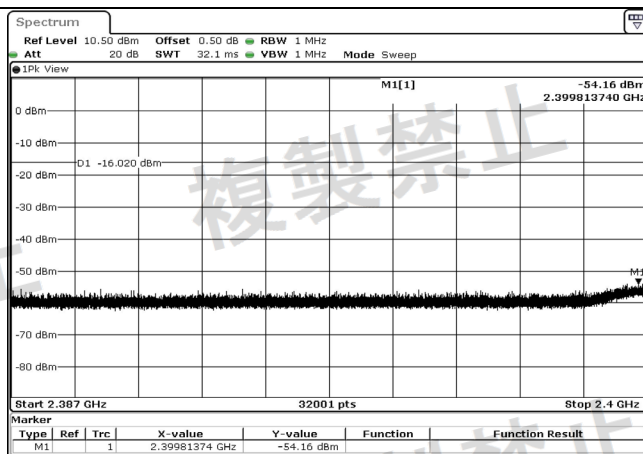
V_{max} / 2440 MHz

V_{max} / 2480 MHz

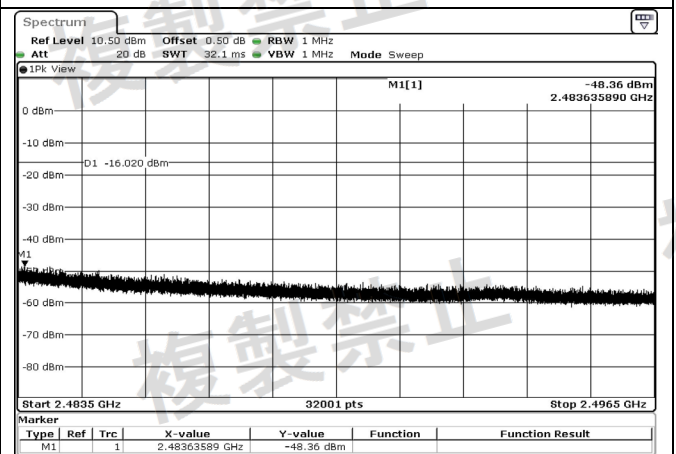
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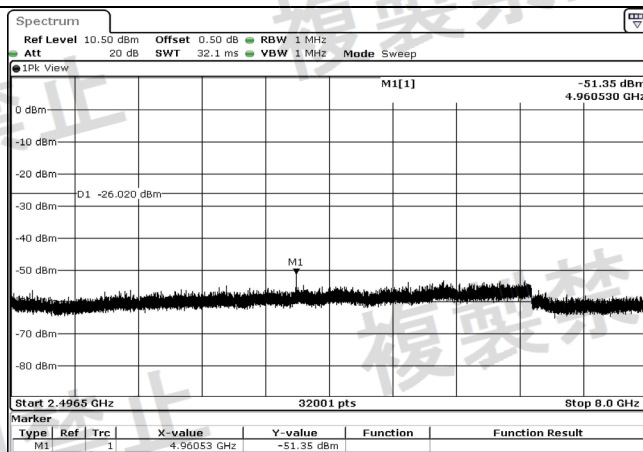
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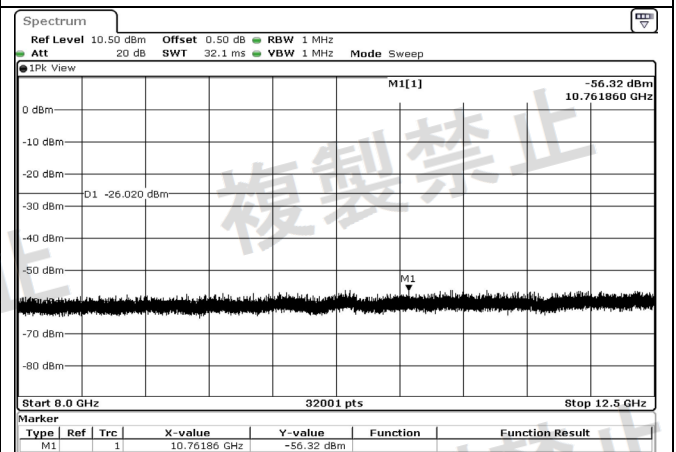
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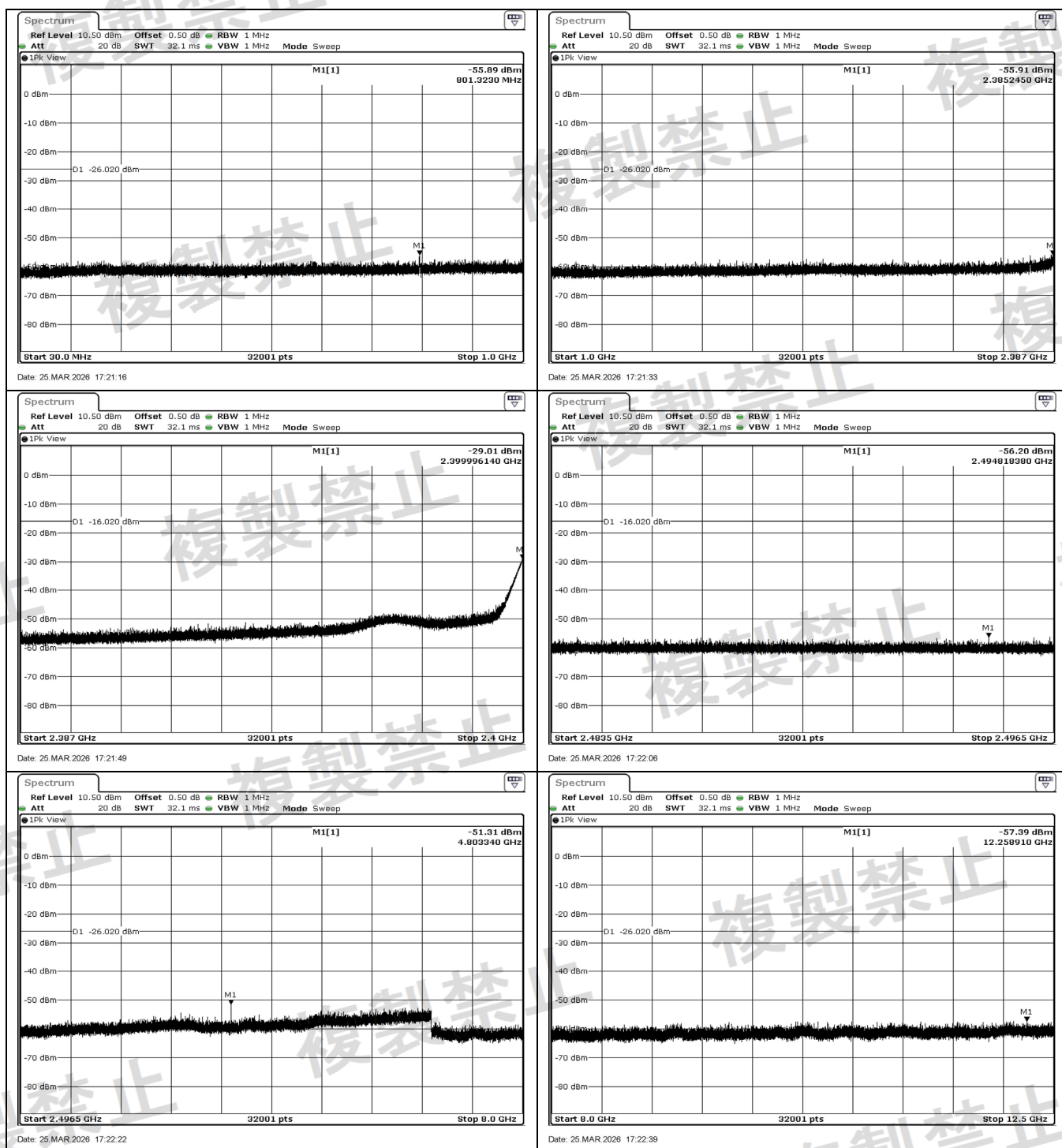


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Date: 25 MAR 2026 15:50:29

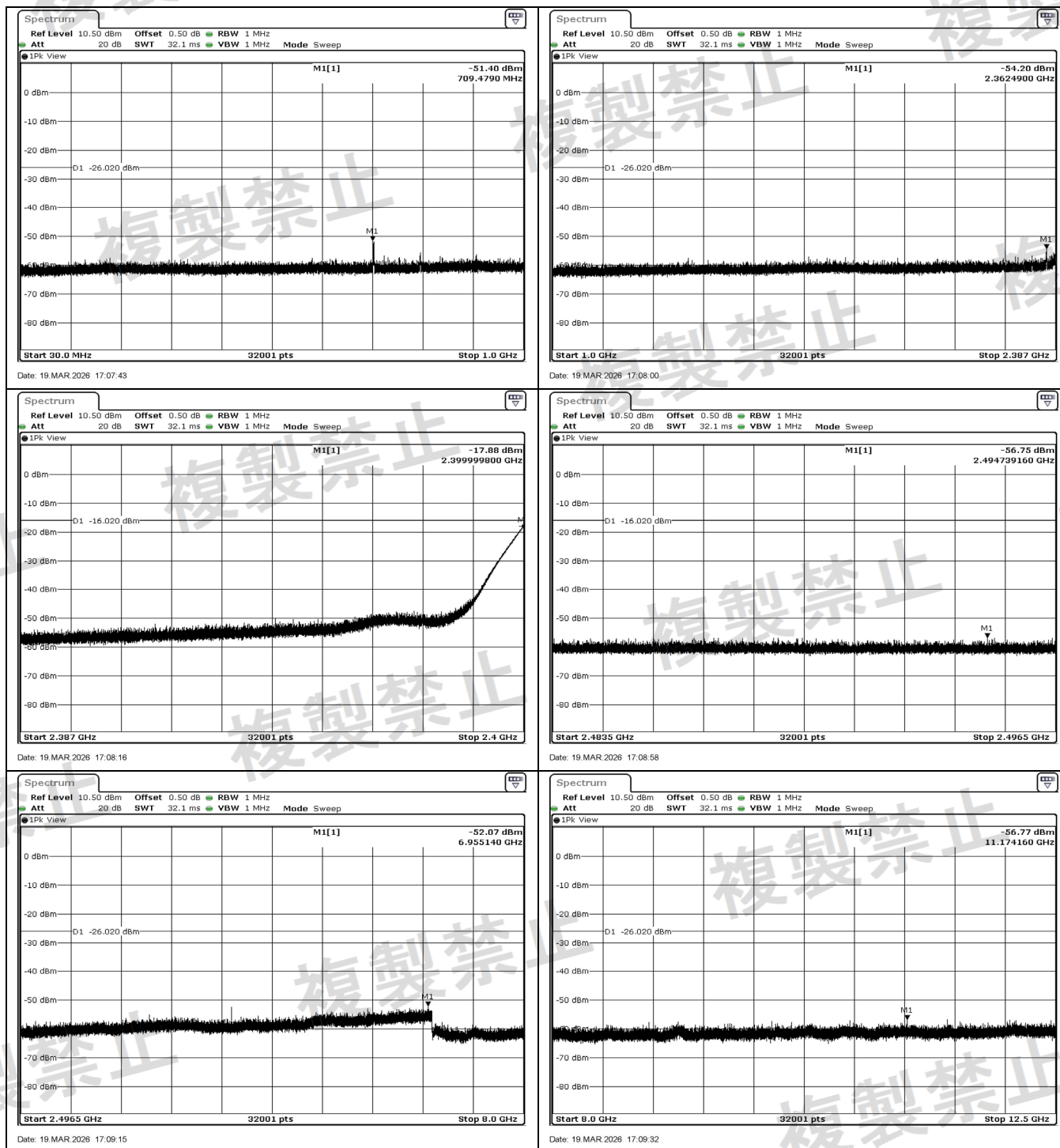
Vmin / 2402 MHz



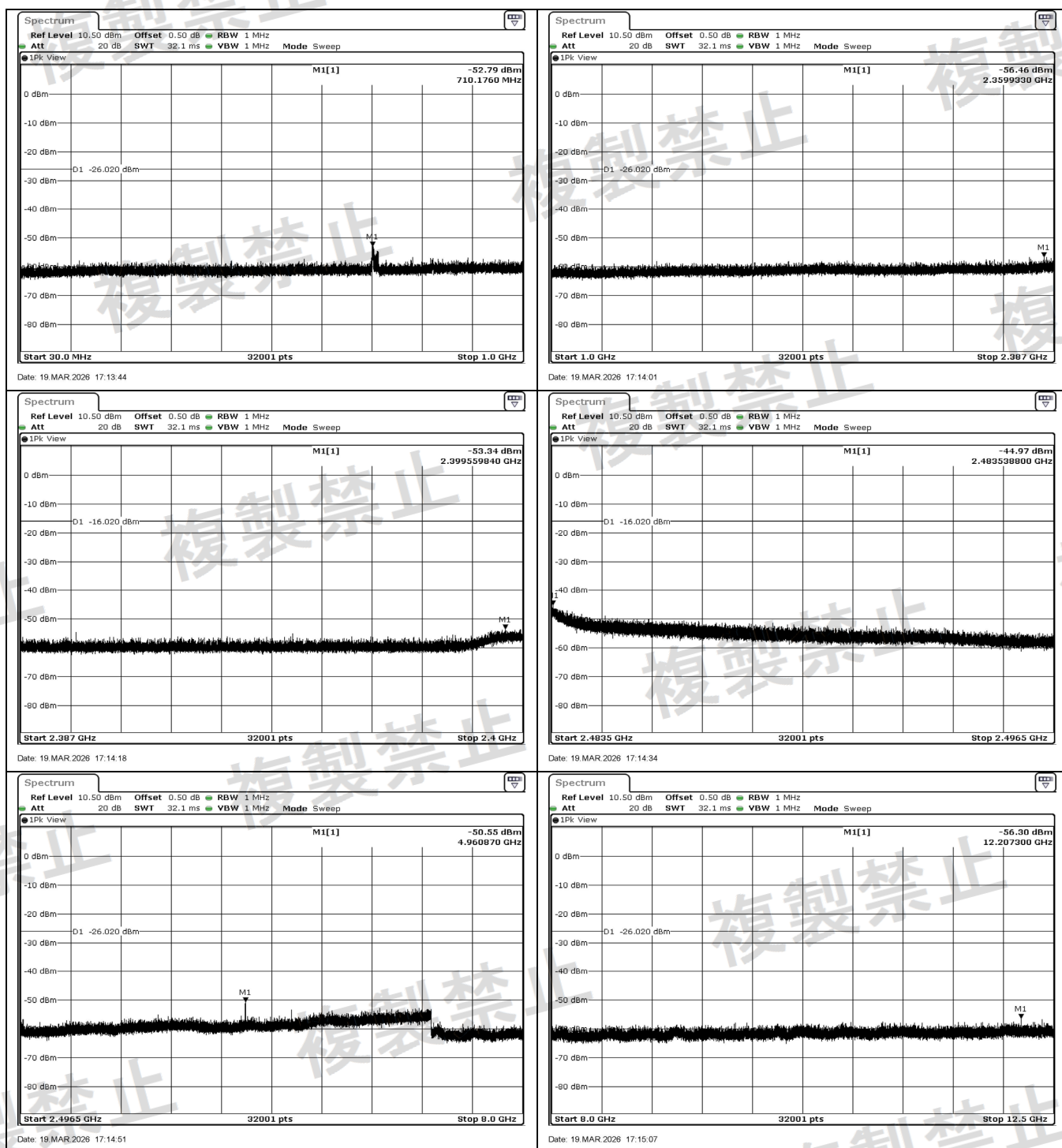
V_{min} / 2440 MHz

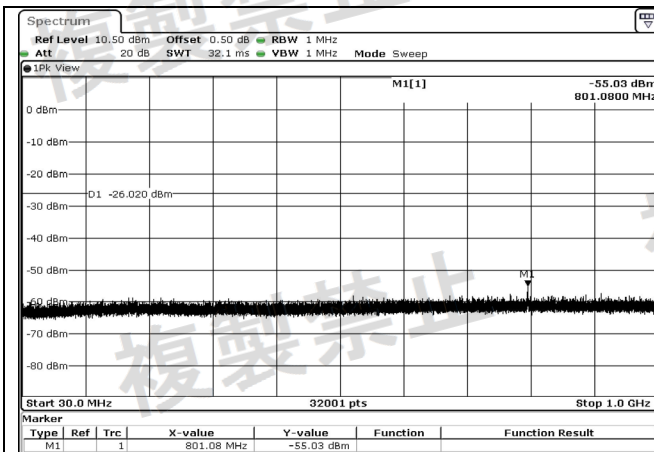
V_{min} / 2480 MHz

GFSK (2 Mbps)

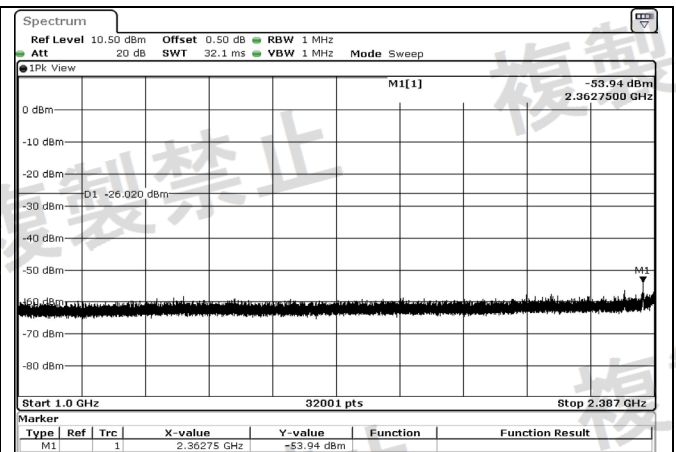
 V_{nom} / 2402 MHz

V_{nom} / 2440 MHz

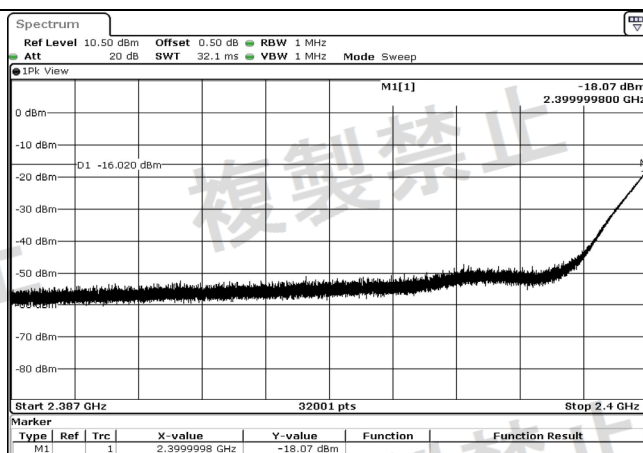
V_{nom} / 2480 MHz

V_{max} / 2402 MHz

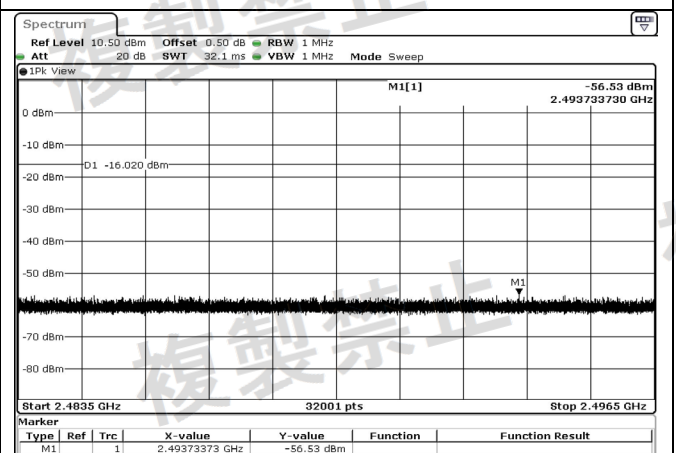
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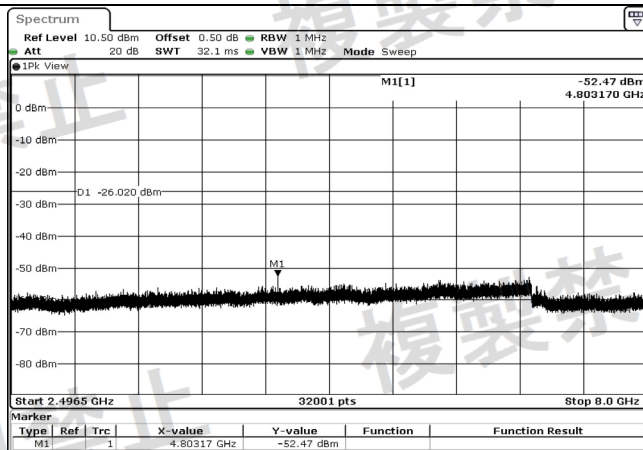
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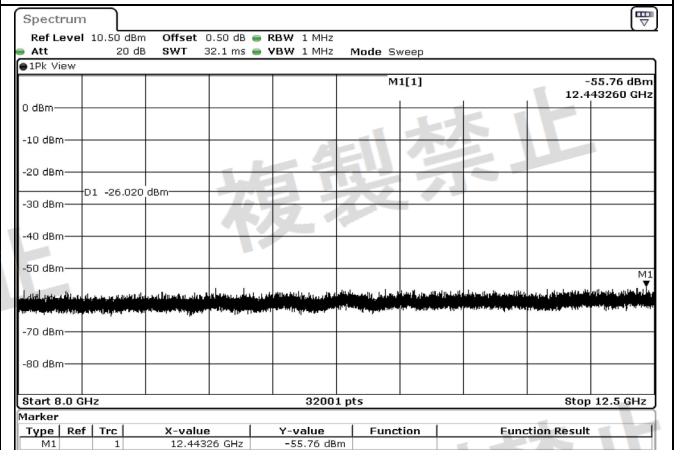
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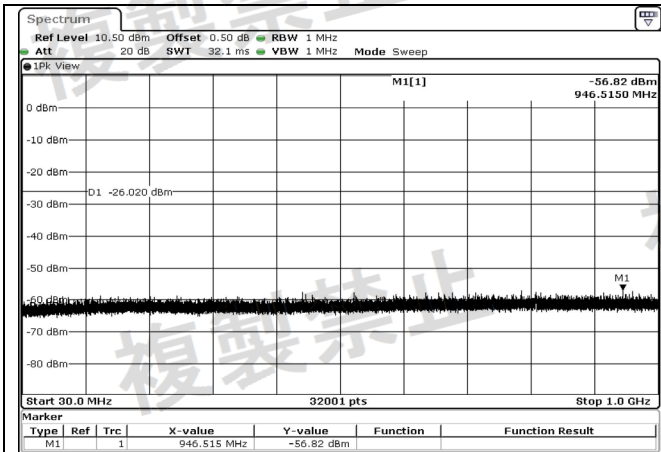
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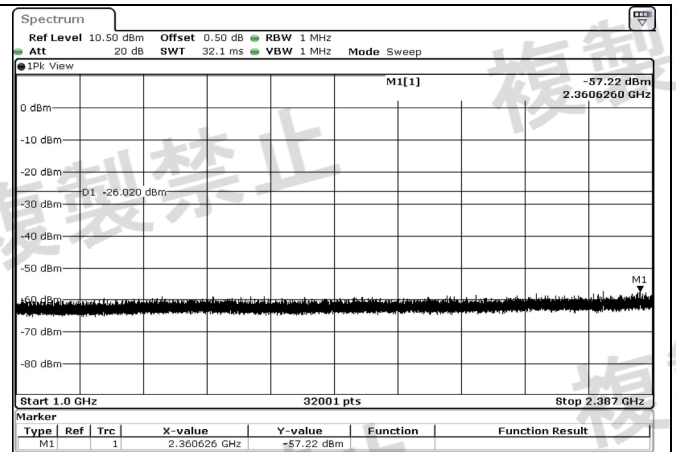
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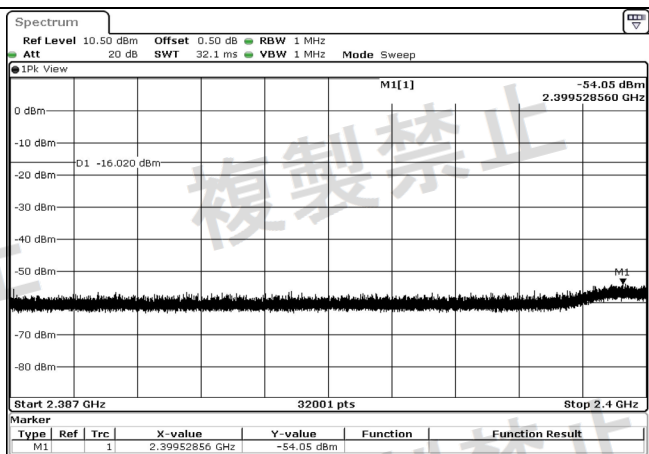
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V_{max} / 2440 MHz

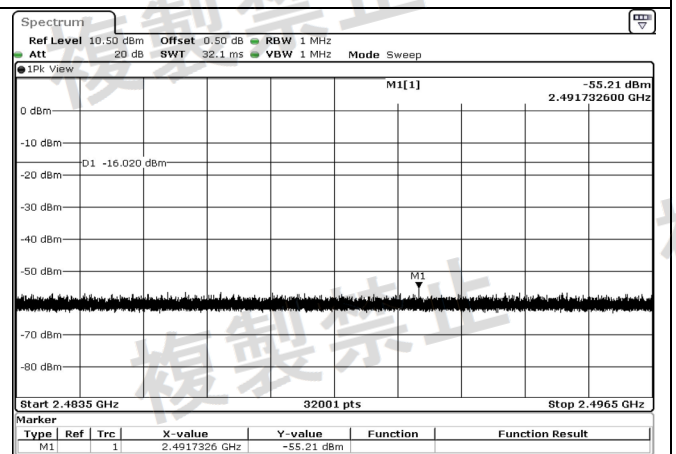
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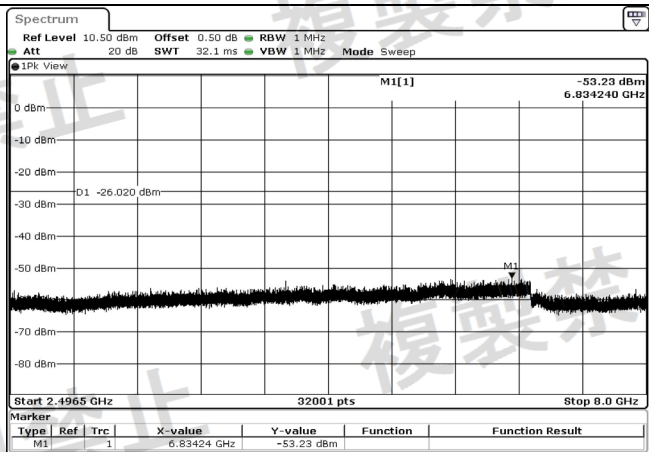
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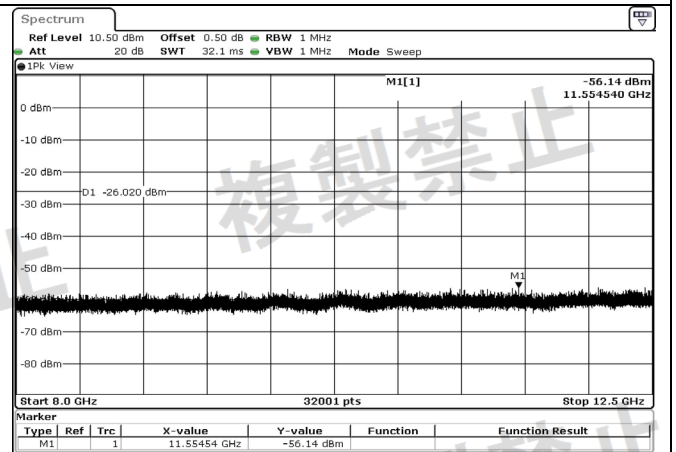
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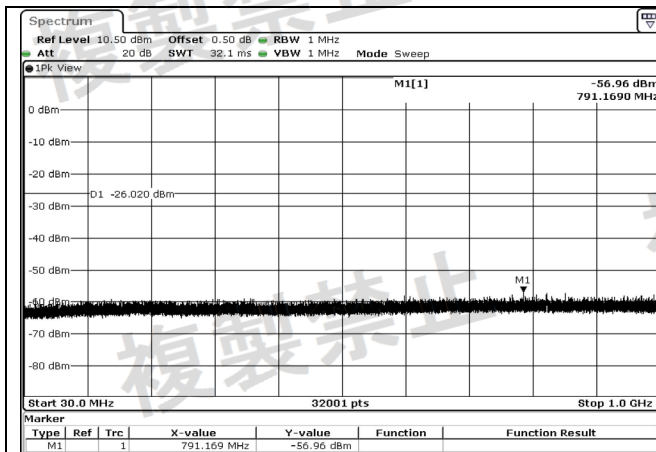
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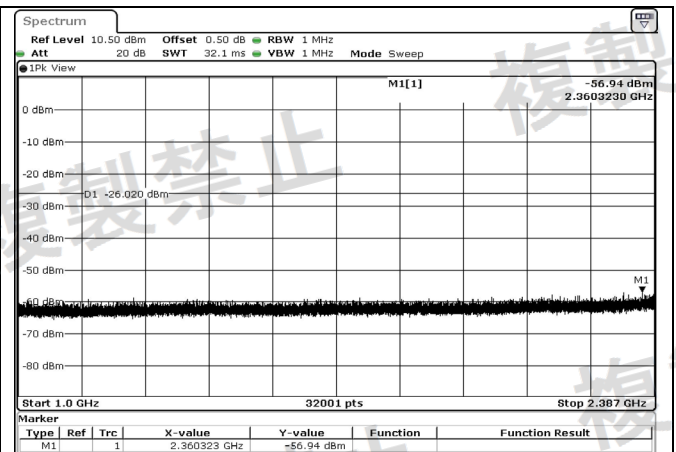
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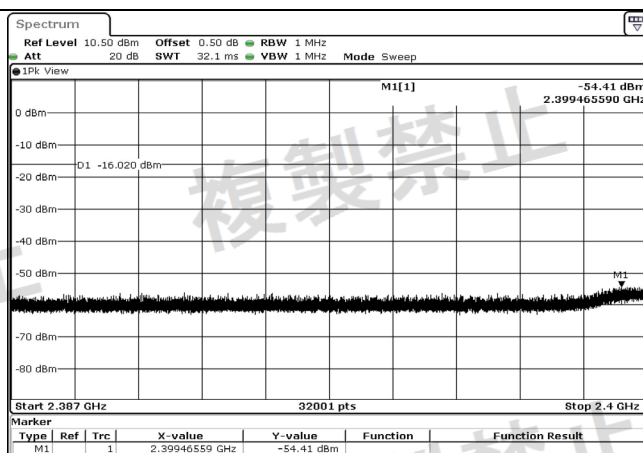
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V_{max} / 2480 MHz

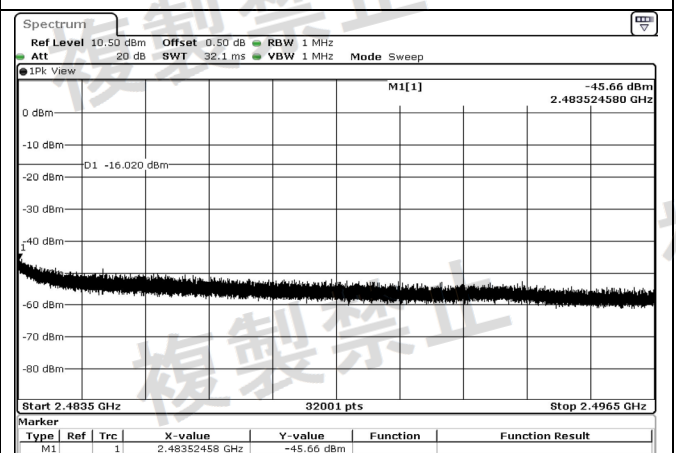
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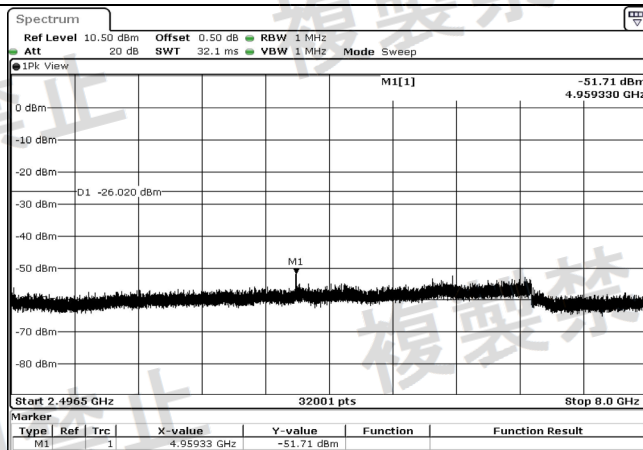
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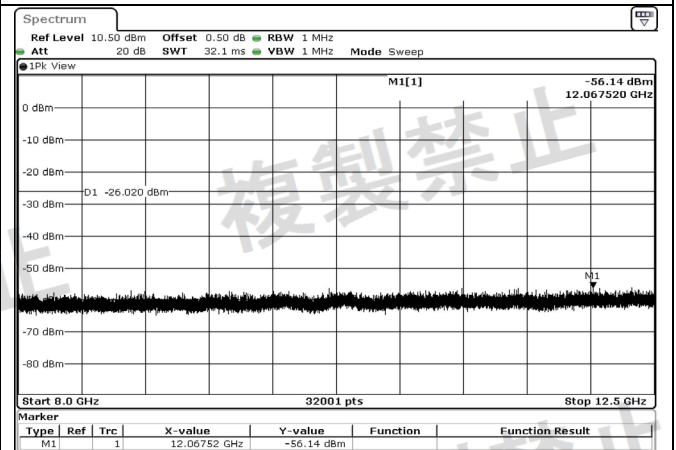
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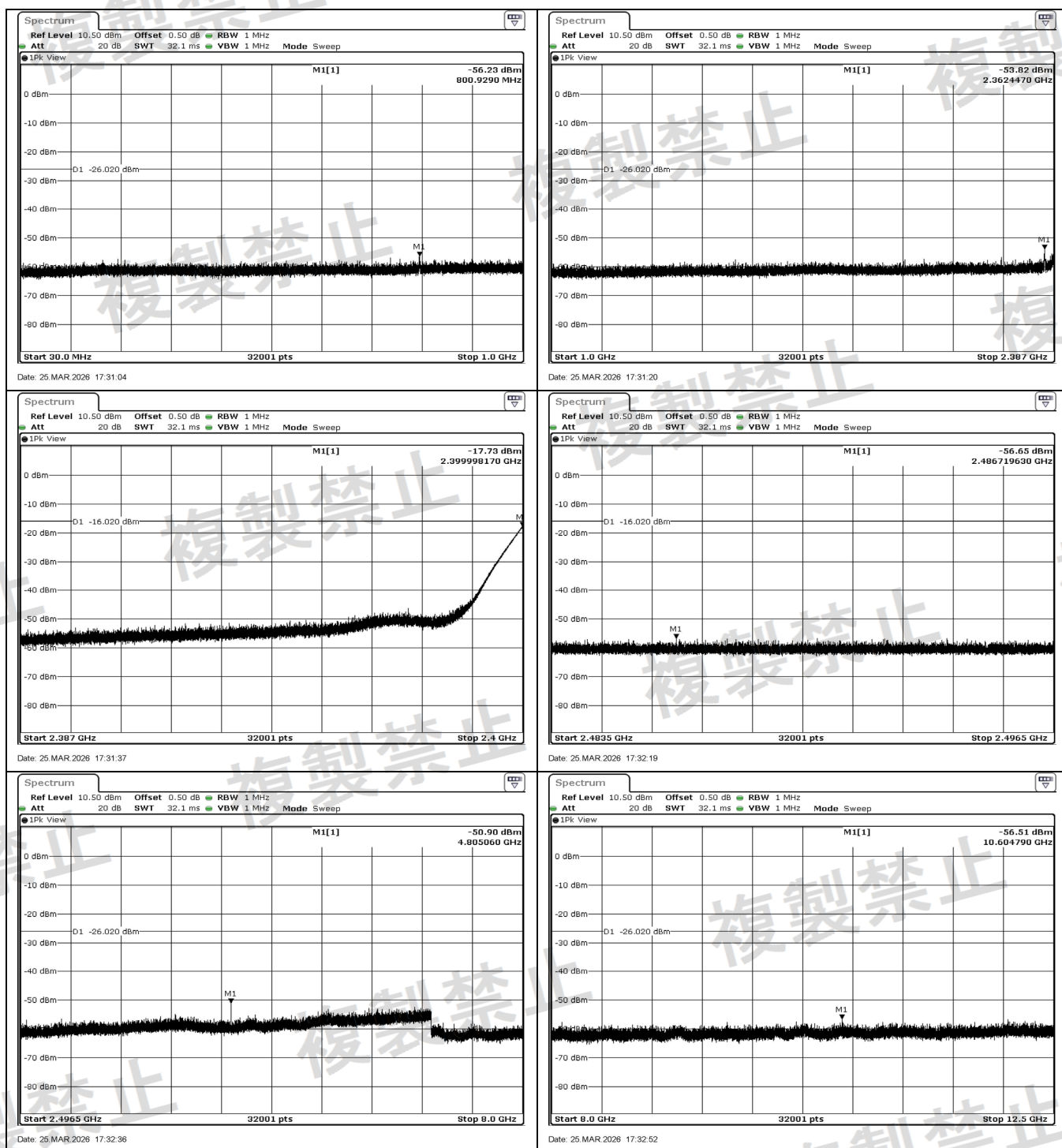
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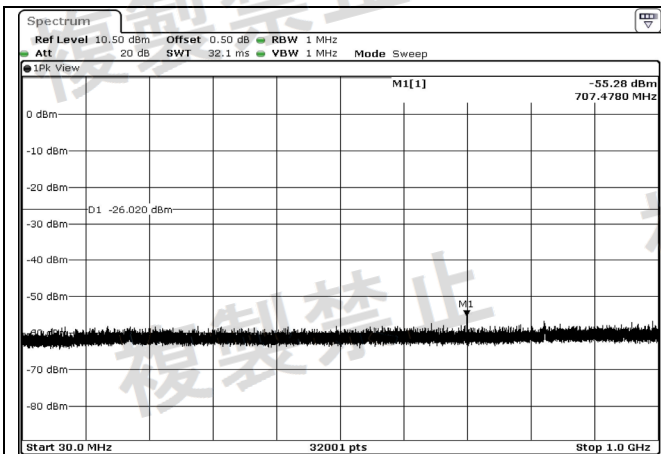


Date: 25 MAR 2026 15:58:45

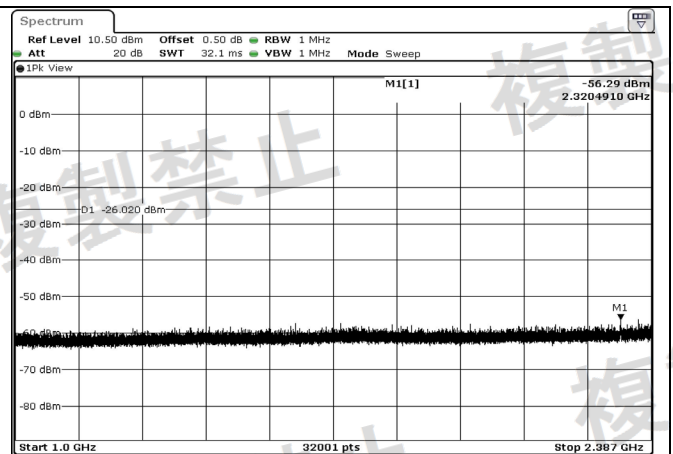
V_{min} / 2402 MHz

Vmin / 2440 MHz

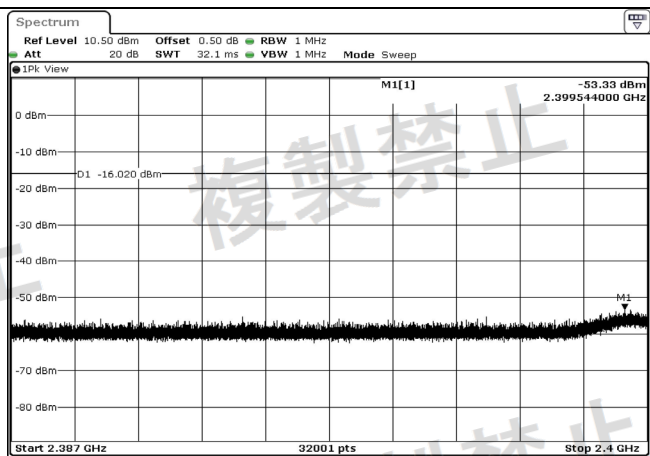


V_{min} / 2480 MHz

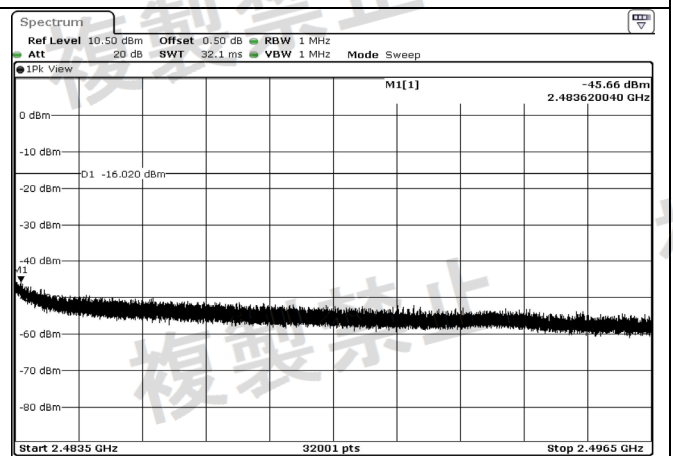
Date: 25 MAR 2026 17:40:35



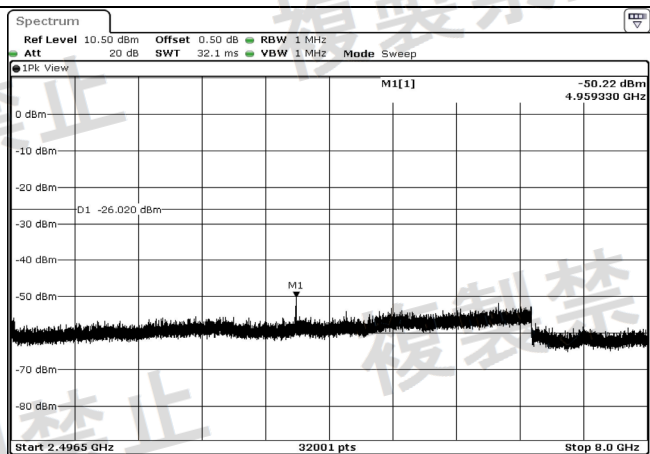
Date: 25 MAR 2026 17:40:51



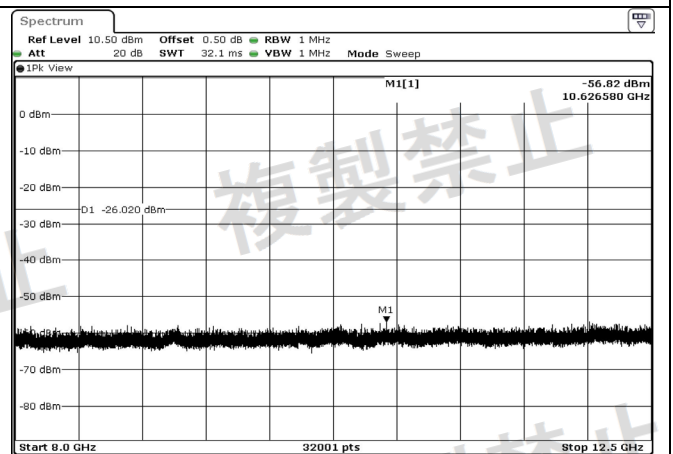
Date: 25 MAR 2026 17:41:08



Date: 25 MAR 2026 17:41:24



Date: 25 MAR 2026 17:41:41



Date: 25 MAR 2026 17:41:58

Appendix E. Test Result of Receiver Spurious Emissions

GFSK (1 Mbps)

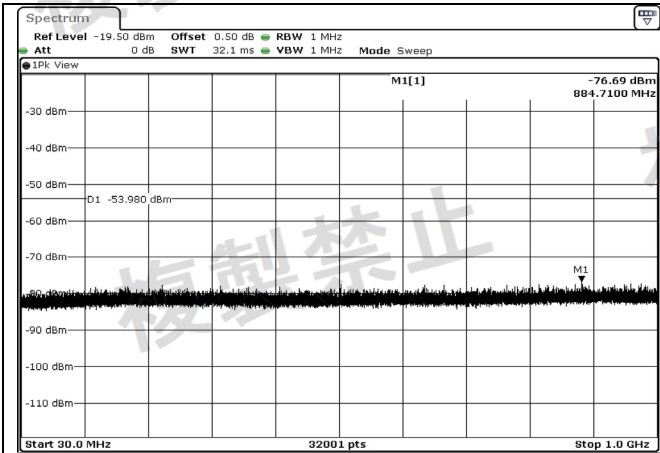
Test Conditions	Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (nW)	Limit (nW)
V_{nom}	2402	30 – 1000	884.71	0.021429	4
		1000 – 3000	2927.66	0.020989	20
		3000 – 8000	6991.36	0.055976	20
		8000 – 12500	10232.42	0.019409	20
	2440	30 – 1000	935.36	0.021232	4
		1000 – 3000	2967.16	0.030339	20
		3000 – 8000	6666.37	0.056754	20
		8000 – 12500	12241.89	0.020464	20
	2480	30 – 1000	963.61	0.018197	4
		1000 – 3000	2775.23	0.021777	20
		3000 – 8000	6968.24	0.058749	20
		8000 – 12500	11009.21	0.021577	20
V_{max}	2402	30 – 1000	636.40	0.016672	4
		1000 – 3000	2741.60	0.019543	20
		3000 – 8000	6996.52	0.054200	20
		8000 – 12500	12156.11	0.034041	20
	2440	30 – 1000	736.31	0.017579	4
		1000 – 3000	2771.79	0.020464	20
		3000 – 8000	6967.92	0.065464	20
		8000 – 12500	12163.28	0.024604	20
	2480	30 – 1000	799.99	0.019011	4
		1000 – 3000	2703.48	0.021677	20
		3000 – 8000	6669.96	0.045499	20
		8000 – 12500	12176.36	0.025410	20
V_{min}	2402	30 – 1000	797.84	0.018239	4
		1000 – 3000	2747.98	0.020893	20
		3000 – 8000	6903.55	0.044463	20
		8000 – 12500	11612.89	0.030761	20
	2440	30 – 1000	804.17	0.017947	4
		1000 – 3000	2724.10	0.020797	20
		3000 – 8000	6652.62	0.051404	20
		8000 – 12500	11064.19	0.023605	20
	2480	30 – 1000	764.10	0.019815	4
		1000 – 3000	2622.48	0.020701	20
		3000 – 8000	6981.98	0.049091	20
		8000 – 12500	10217.80	0.032359	20

GFSK (2 Mbps)

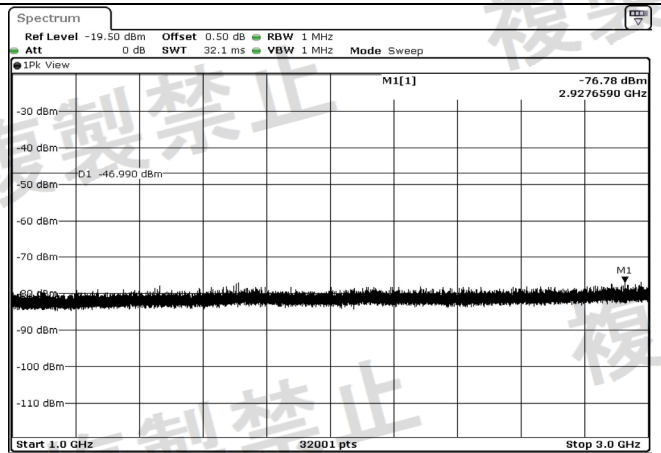
Test Conditions	Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (nW)	Limit (nW)
V_{nom}	2402	30 – 1000	697.96	0.019320	4
		1000 – 3000	2893.97	0.019543	20
		3000 – 8000	6989.02	0.054450	20
		8000 – 12500	12085.38	0.021528	20
	2440	30 – 1000	889.98	0.022646	4
		1000 – 3000	2798.35	0.022751	20
		3000 – 8000	6825.74	0.053333	20
		8000 – 12500	11347.97	0.019275	20
	2480	30 – 1000	914.51	0.018793	4
		1000 – 3000	2968.28	0.017906	20
		3000 – 8000	6646.37	0.062230	20
		8000 – 12500	10980.24	0.023067	20
V_{max}	2402	30 – 1000	788.11	0.019409	4
		1000 – 3000	2617.23	0.020559	20
		3000 – 8000	6966.20	0.048306	20
		8000 – 12500	12159.21	0.027040	20
	2440	30 – 1000	936.12	0.020277	4
		1000 – 3000	2754.48	0.018535	20
		3000 – 8000	6836.83	0.046452	20
		8000 – 12500	12244.56	0.027797	20
	2480	30 – 1000	785.05	0.019861	4
		1000 – 3000	2726.29	0.020654	20
		3000 – 8000	6876.83	0.048195	20
		8000 – 12500	12200.13	0.028054	20
V_{min}	2402	30 – 1000	999.56	0.020277	4
		1000 – 3000	2658.92	0.019099	20
		3000 – 8000	6917.92	0.055590	20
		8000 – 12500	12102.11	0.024889	20
	2440	30 – 1000	839.39	0.018836	4
		1000 – 3000	2754.04	0.021478	20
		3000 – 8000	6986.20	0.047206	20
		8000 – 12500	11155.88	0.027733	20
	2480	30 – 1000	819.27	0.018072	4
		1000 – 3000	2624.48	0.019187	20
		3000 – 8000	6291.85	0.053211	20
		8000 – 12500	12134.03	0.029444	20

GFSK (1 Mbps)

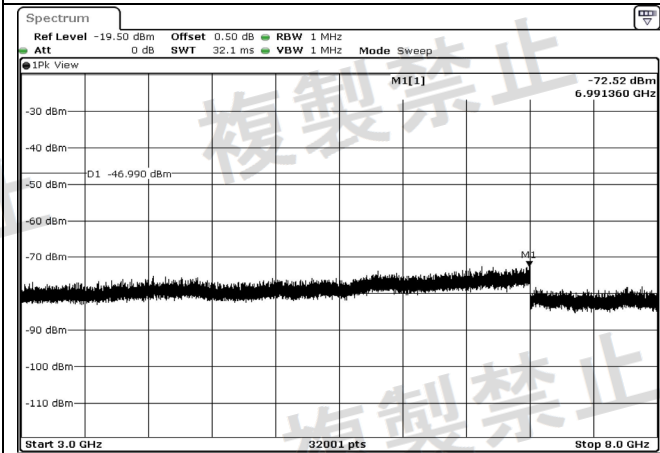
V_{nom} / 2402 MHz



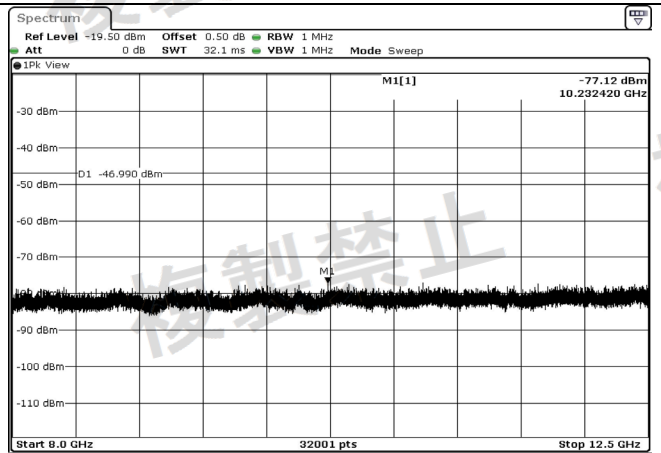
Date: 19 MAR 2026 17:25:48



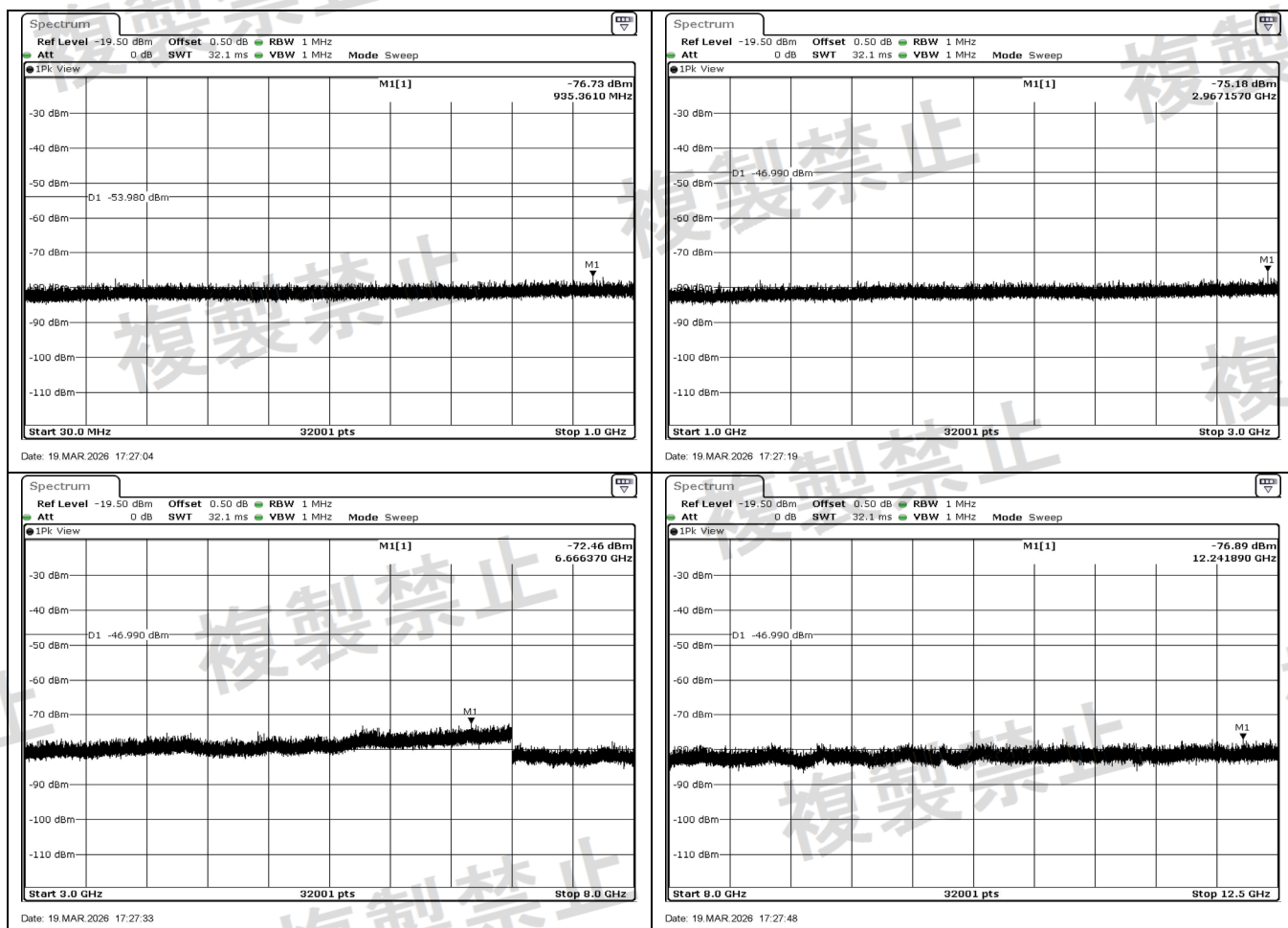
Date: 19 MAR 2026 17:26:03

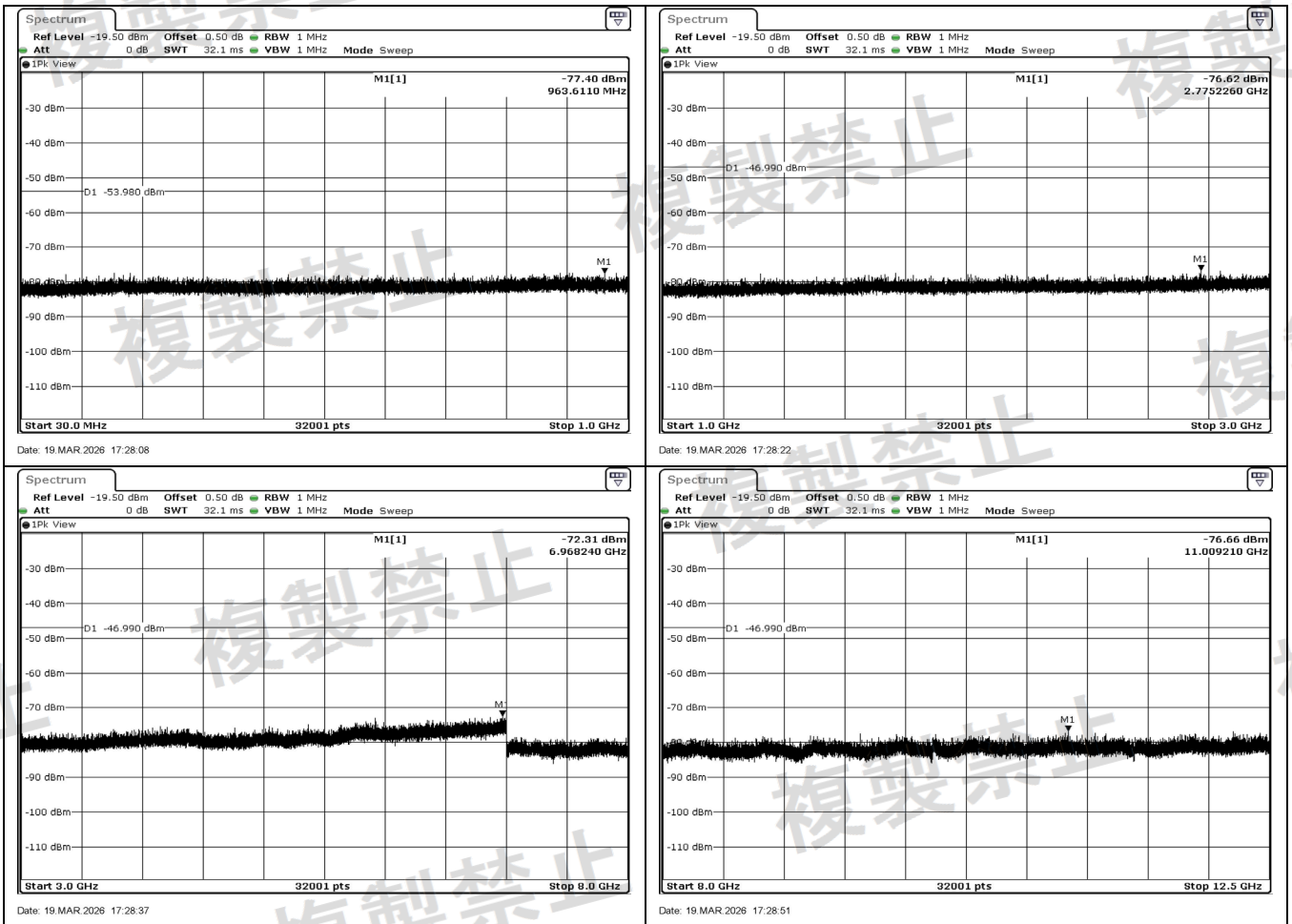


Date: 19 MAR 2026 17:26:17

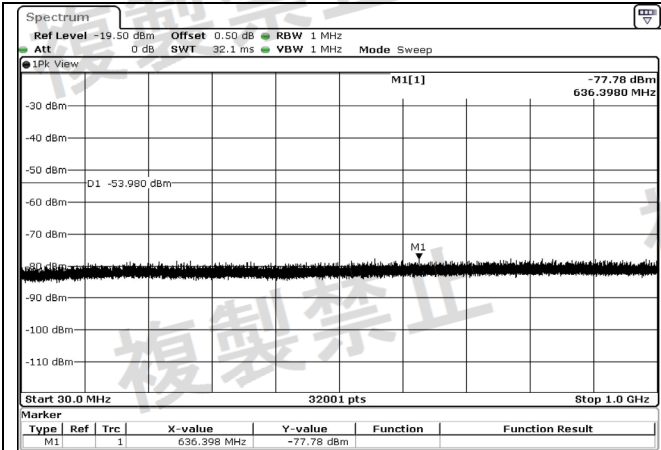


Date: 19 MAR 2026 17:26:32

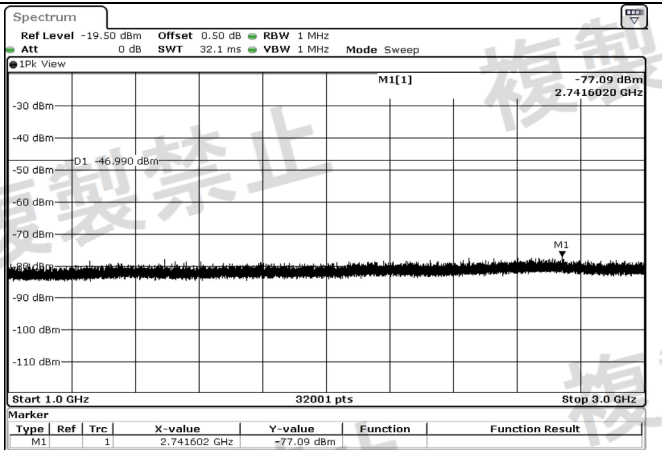
V_{nom} / 2440 MHz

V_{nom} / 2480 MHz

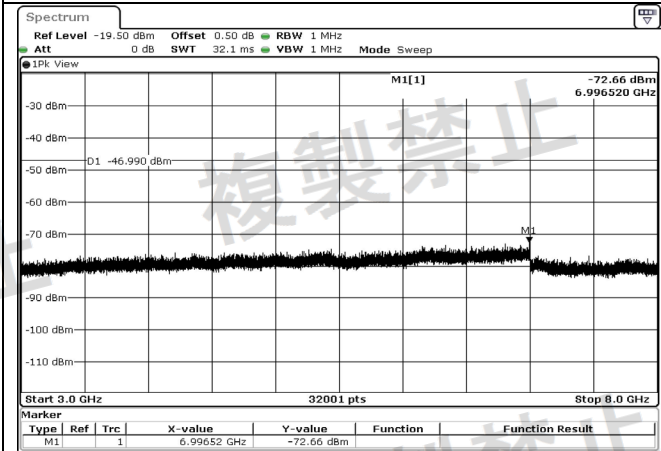
V_{max} / 2402 MHz



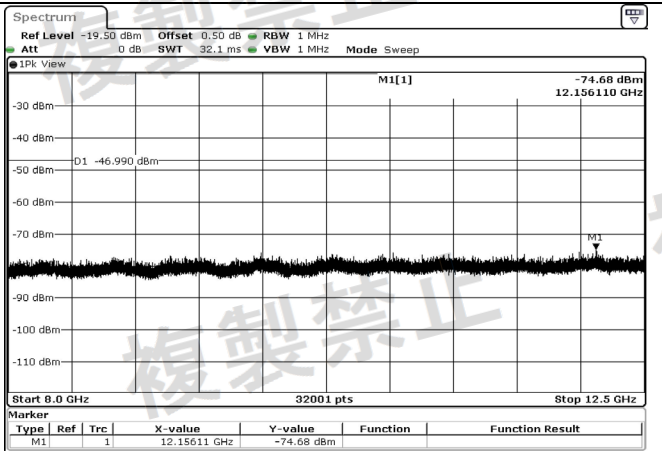
Date: 25 MAR 2026 16:15:31



Date: 25 MAR 2026 16:15:47

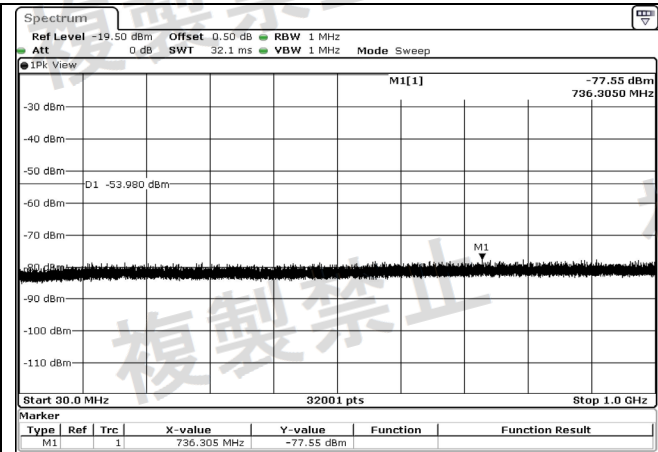


Date: 25 MAR 2026 16:16:04

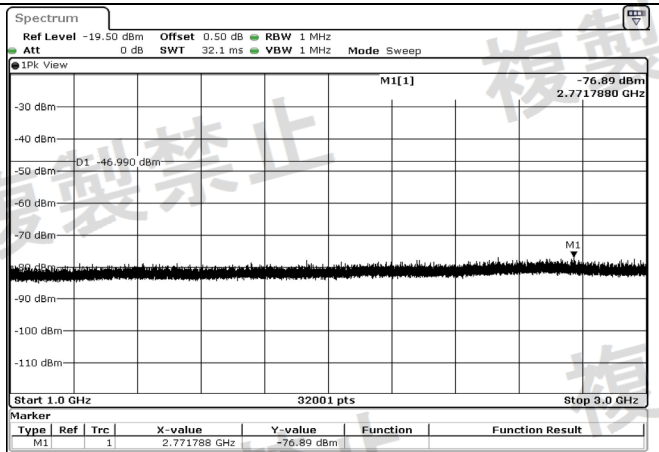


Date: 25 MAR 2026 16:16:20

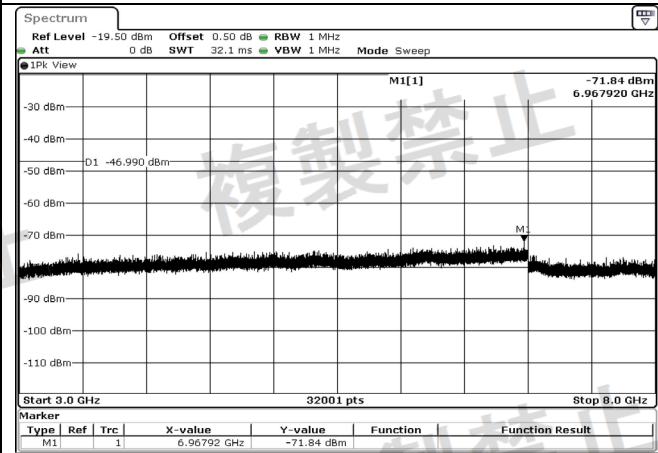
V_{max} / 2440 MHz



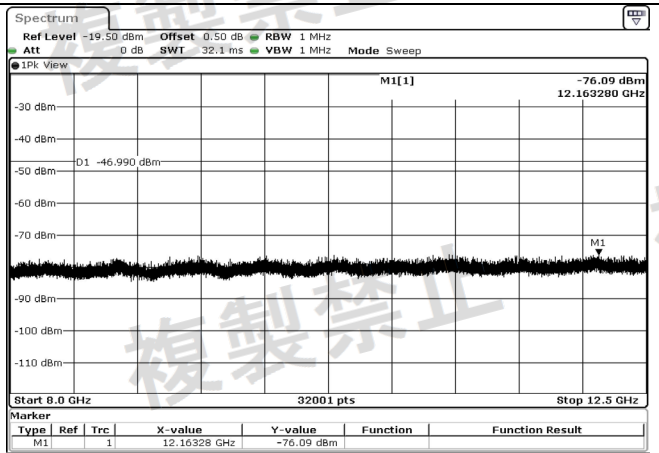
Date: 25 MAR 2026 16:17:08



Date: 25 MAR 2026 16:17:23

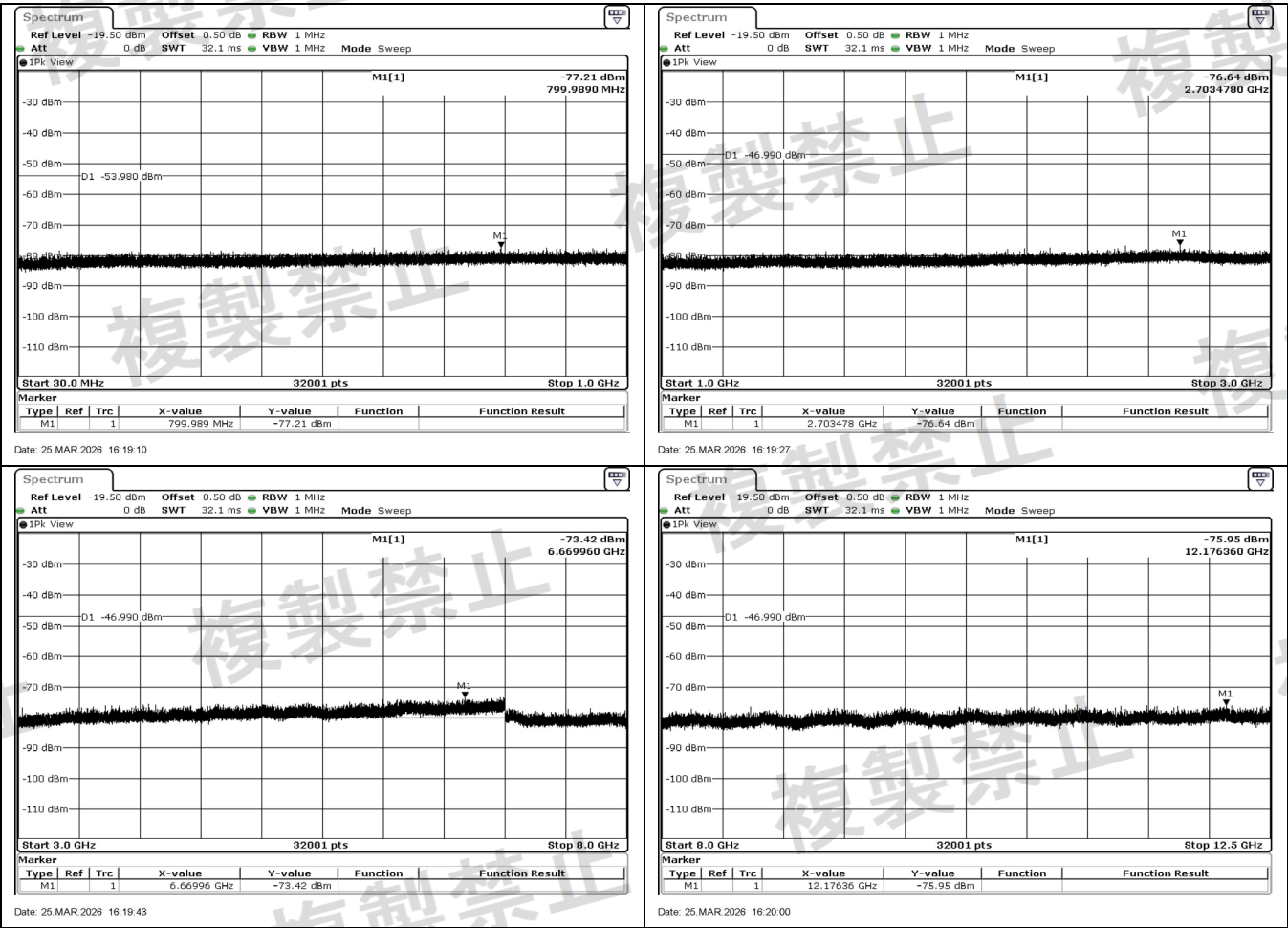


Date: 25 MAR 2026 16:17:39



Date: 25 MAR 2026 16:17:56

V_{max} / 2480 MHz



Vmin / 2402 MHz

