

Appendix A.1 Test Result of Antenna Power

802.11 b (20 MHz) (Duty Factor: 0.11 dB)

Frequency (MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)
2412	5.2153	10
2442	5.3491	10
2472	5.3491	10

Antenna Power with Duty Factor.

802.11g (20 MHz) (Duty Factor: 0.00 dB)

Frequency (MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)
2412	2.7164	10
2442	2.7416	10
2472	2.7353	10

Antenna Power with Duty Factor.

802.11ax (20 MHz) (Duty Factor: 0.00 dB)

Frequency (MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)
2412	2.4044	10
2442	2.5003	10
2472	2.4547	10

Antenna Power with Duty Factor.

802.11ax (40 MHz) (Duty Factor: 0.00 dB)

Frequency (MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)
2422	1.0162	5
2442	1.0233	5
2462	0.9550	5

Antenna Power with Duty Factor.

Appendix A.2 Test Result of Antenna Power Tolerance

802.11b (20 MHz)				
Frequency (MHz)	Declared Antenna Power (mW/MHz)	Antenna Power (mW/MHz)	Tolerance (%)	Limit (%)
2412	5.3491	5.2153	-2.50	+20%
2442	5.3491	5.3491	0.00	+20%
2472	5.3491	5.3491	0.00	+20%

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

802.11g (20 MHz)				
Frequency (MHz)	Declared Antenna Power (mW/MHz)	Antenna Power (mW/MHz)	Tolerance (%)	Limit (%)
2412	2.7416	2.7164	-0.92	+20%
2442	2.7416	2.7416	0.00	+20%
2472	2.7416	2.7353	-0.23	+20%

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

802.11ax (20 MHz)				
Frequency (MHz)	Declared Antenna Power (mW/MHz)	Antenna Power (mW/MHz)	Tolerance (%)	Limit (%)
2412	2.5003	2.4044	-3.84	+20%
2442	2.5003	2.5003	0.00	+20%
2472	2.5003	2.4547	-1.83	+20%

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

802.11ax (40 MHz)				
Frequency (MHz)	Declared Antenna Power (mW/MHz)	Antenna Power (mW/MHz)	Tolerance (%)	Limit (%)
2422	1.0233	1.0162	-0.69	+20%
2442	1.0233	1.0233	0.00	+20%
2462	1.0233	0.9550	-6.67	+20%

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

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

802.11b (20 MHz)				
Frequency (MHz)	Antenna Power (mW/MHz)	Antenna Power (dBm/MHz)	E.I.R.P (dBm/MHz)	Limit (dBm/MHz)
2412	5.2153	7.17	10.54	12.14
2442	5.3491	7.28	10.65	12.14
2472	5.3491	7.28	10.65	12.14

Note: E.I.R.P = Antenna Power + Antenna Gain (dBi).

802.11g (20 MHz)				
Frequency (MHz)	Antenna Power (mW/MHz)	Antenna Power (dBm/MHz)	E.I.R.P (dBm/MHz)	Limit (dBm/MHz)
2412	2.7164	4.34	7.71	12.14
2442	2.7416	4.38	7.75	12.14
2472	2.7353	4.37	7.74	12.14

Note: E.I.R.P = Antenna Power + Antenna Gain (dBi).

802.11ax (20 MHz)				
Frequency (MHz)	Antenna Power (mW/MHz)	Antenna Power (dBm/MHz)	E.I.R.P (dBm/MHz)	Limit (dBm/MHz)
2412	2.4044	3.81	7.18	12.14
2442	2.5003	3.98	7.35	12.14
2472	2.4547	3.90	7.27	12.14

Note: E.I.R.P = Antenna Power + Antenna Gain (dBi).

802.11ax (40 MHz)				
Frequency (MHz)	Antenna Power (mW/MHz)	Antenna Power (dBm/MHz)	E.I.R.P (dBm/MHz)	Limit (dBm/MHz)
2422	1.0162	0.07	3.44	9.13
2442	1.0233	0.10	3.47	9.13
2462	0.9550	-0.20	3.17	9.13

Note: E.I.R.P = Antenna Power + Antenna Gain (dBi).

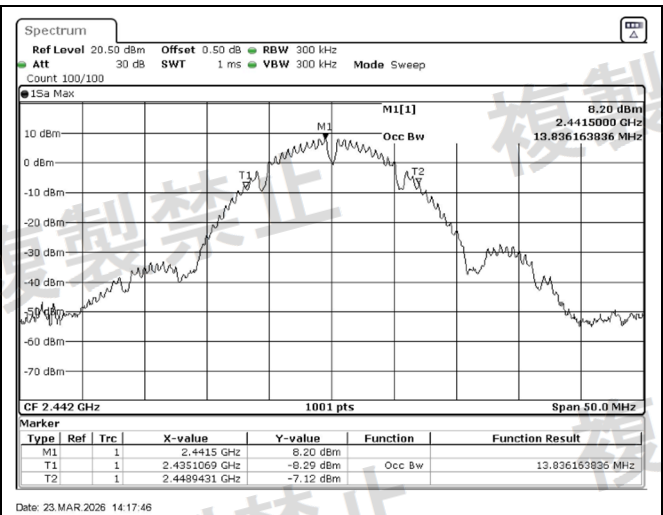
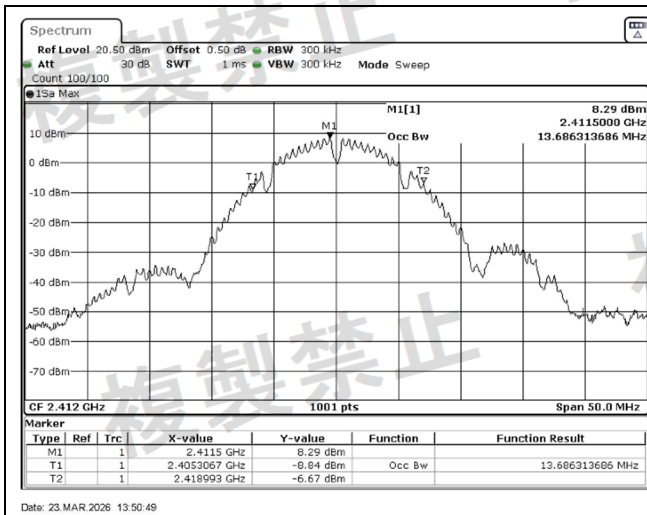
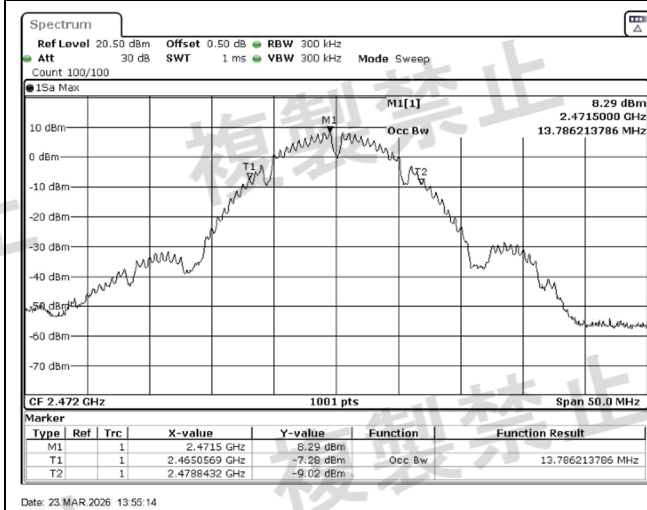
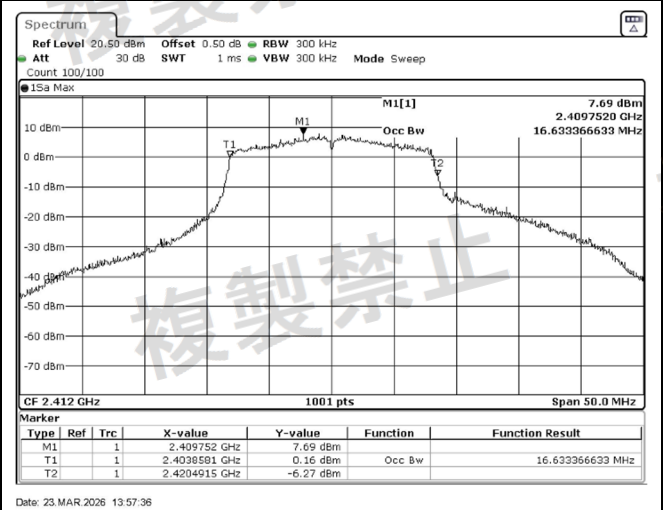
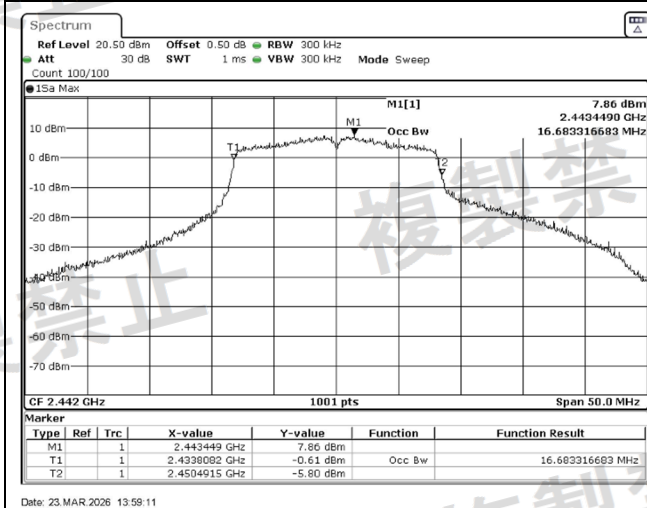
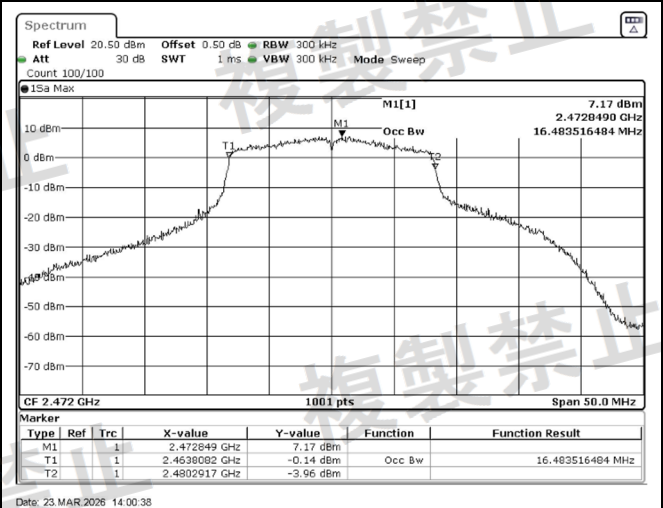
Appendix B. Test Result of Occupied Bandwidth

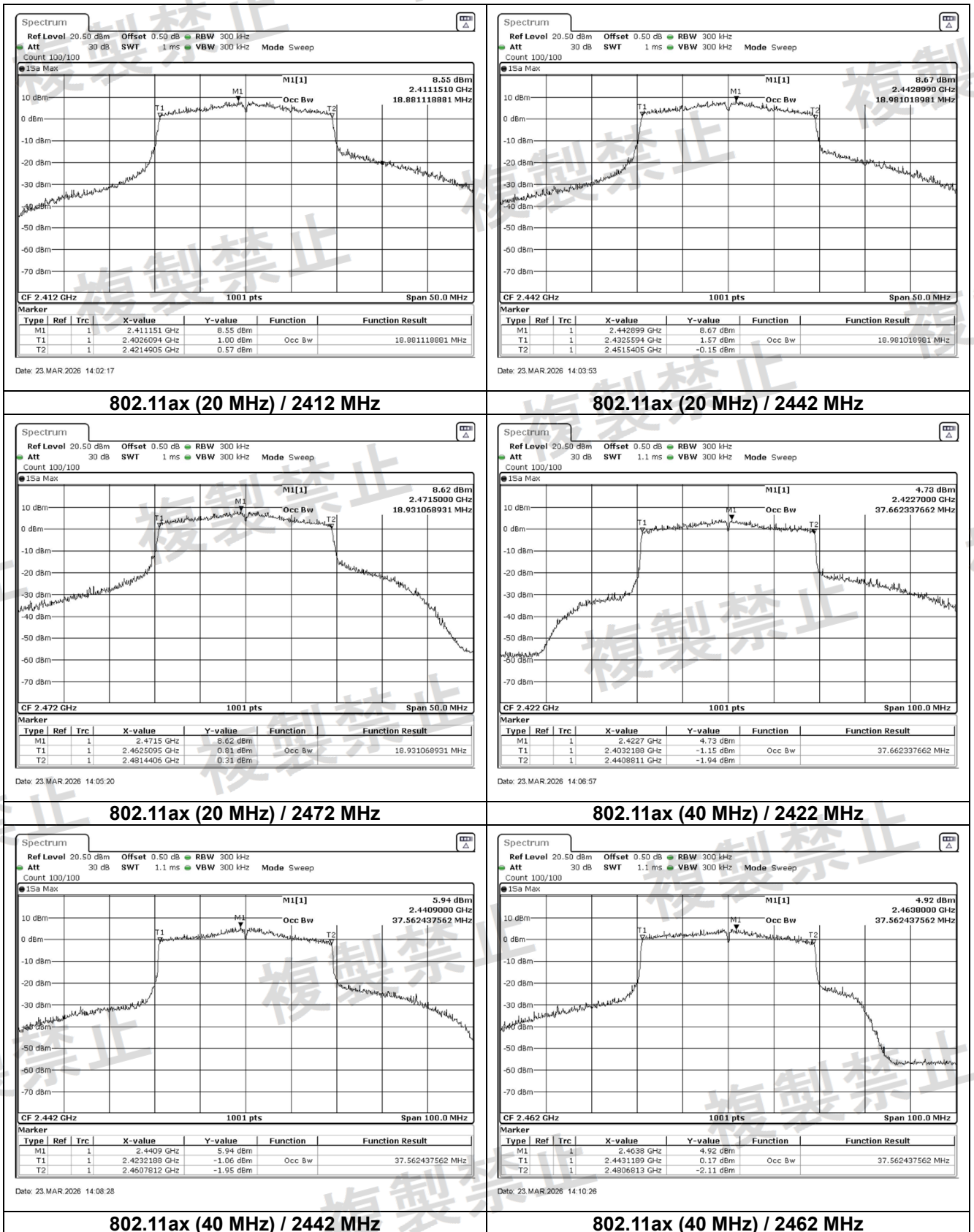
802.11b (20 MHz)		
Frequency (MHz)	Reading Value (MHz)	Limit (MHz)
2412	13.68	26
2442	13.83	26
2472	13.78	26

802.11g (20 MHz)		
Frequency (MHz)	Reading Value (MHz)	Limit (MHz)
2412	16.63	26
2442	16.68	26
2472	16.48	26

802.11ax (20 MHz)		
Frequency (MHz)	Reading Value (MHz)	Limit (MHz)
2412	18.88	26
2442	18.98	26
2472	18.93	26

802.11ax (40 MHz)		
Frequency (MHz)	Reading Value (MHz)	Limit (MHz)
2422	37.66	40
2442	37.56	40
2462	37.56	40

**802.11b (20 MHz) / 2412 MHz****802.11b (20 MHz) / 2442 MHz****802.11b (20 MHz) / 2472 MHz****802.11g (20 MHz) / 2412 MHz****802.11g (20 MHz) / 2442 MHz****802.11g (20 MHz) / 2472 MHz**



Appendix C. Test Result of Frequency Tolerance

802.11b (20 MHz)			
Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)
2412	2411.9959	-1.6998	± 50
2442	2441.9959	-1.6790	± 50
2472	2471.9958	-1.6990	± 50

802.11g (20 MHz)			
Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)
2412	2411.9959	-1.6998	± 50
2442	2441.9958	-1.7199	± 50
2472	2471.9956	-1.7799	± 50

802.11ax (20 MHz)			
Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)
2412	2411.9957	-1.7828	± 50
2442	2441.9957	-1.7609	± 50
2472	2471.9957	-1.7395	± 50

802.11ax (40 MHz)			
Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)
2422	2421.9958	-1.7341	± 50
2442	2441.9957	-1.7609	± 50
2462	2461.9959	-1.6653	± 50

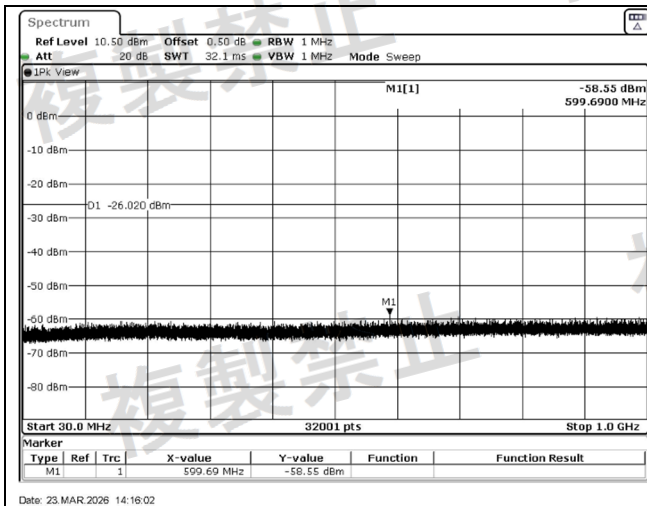
Appendix D. Test Result of Transmitter Spurious Emissions

802.11b (20 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (μW/MHz)	Limit (μW/MHz)
2412	30 - 1000	599.69	0.001396	2.5
	1000 - 2387	2386.59	0.002495	2.5
	2387 - 2400	2398.66	1.380384	25
	2483.5 - 2496.5	2484.61	0.003954	25
	2496.5 - 8000	4824.15	0.038371	2.5
	8000 - 12500	11985.96	0.002371	2.5
2442	30 - 1000	845.94	0.001390	2.5
	1000 - 2387	2386.76	0.001698	2.5
	2387 - 2400	2399.16	0.006194	25
	2483.5 - 2496.5	2483.52	0.004365	25
	2496.5 - 8000	4884.17	0.035563	2.5
	8000 - 12500	9768.09	0.001941	2.5
2472	30 - 1000	659.68	0.001262	2.5
	1000 - 2387	2082.37	0.001256	2.5
	2387 - 2400	2397.87	0.006039	25
	2483.5 - 2496.5	2485.00	3.872576	25
	2496.5 - 8000	4944.02	0.046238	2.5
	8000 - 12500	11857.43	0.001910	2.5

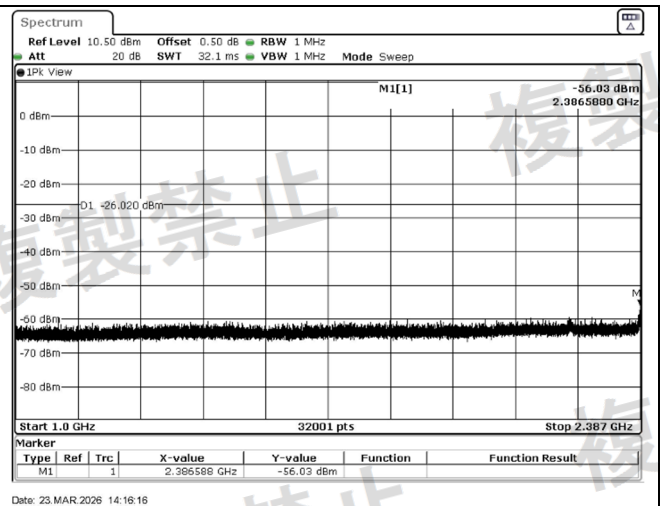
802.11g (20 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (μW/MHz)	Limit (μW/MHz)
2412	30 - 1000	858.28	0.001233	2.5
	1000 - 2387	2386.89	0.058076	2.5
	2387 - 2400	2399.91	13.772095	25
	2483.5 - 2496.5	2487.27	0.003926	25
	2496.5 - 8000	4818.13	0.015668	2.5
	8000 - 12500	9824.48	0.001774	2.5
2442	30 - 1000	933.39	0.001245	2.5
	1000 - 2387	2386.85	0.001549	2.5
	2387 - 2400	2397.55	0.011749	25
	2483.5 - 2496.5	2484.56	0.021330	25
	2496.5 - 8000	4884.51	0.014588	2.5
	8000 - 12750	10219.91	0.001592	2.5
2472	30 - 1000	799.87	0.001219	2.5
	1000 - 2387	2385.85	0.001368	2.5
	2387 - 2400	2396.40	0.006427	25
	2483.5 - 2496.5	2484.24	4.797334	25
	2496.5 - 8000	4940.75	0.018923	2.5
	8000 - 12500	11092.46	0.002138	2.5

802.11ax (20 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value ($\mu\text{W}/\text{MHz}$)	Limit ($\mu\text{W}/\text{MHz}$)
2412	30 - 1000	942.76	0.001432	2.5
	1000 - 2387	2386.81	0.161436	2.5
	2387 - 2400	2399.99	13.867558	25
	2483.5 - 2496.5	2484.16	0.004217	25
	2496.5 - 8000	4823.46	0.014588	2.5
	8000 - 12500	11106.94	0.001884	2.5
2442	30 - 1000	743.61	0.001340	2.5
	1000 - 2387	2386.16	0.002133	2.5
	2387 - 2400	2399.91	0.017140	25
	2483.5 - 2496.5	2484.29	0.030479	25
	2496.5 - 8000	4880.39	0.013964	2.5
	8000 - 12500	12335.26	0.001959	2.5
2472	30 - 1000	874.16	0.001208	2.5
	1000 - 2387	2386.55	0.001884	2.5
	2387 - 2400	2398.27	0.006531	25
	2483.5 - 2496.5	2483.57	5.874894	25
	2496.5 - 8000	4944.36	0.020701	2.5
	8000 - 12500	11942.09	0.001982	2.5

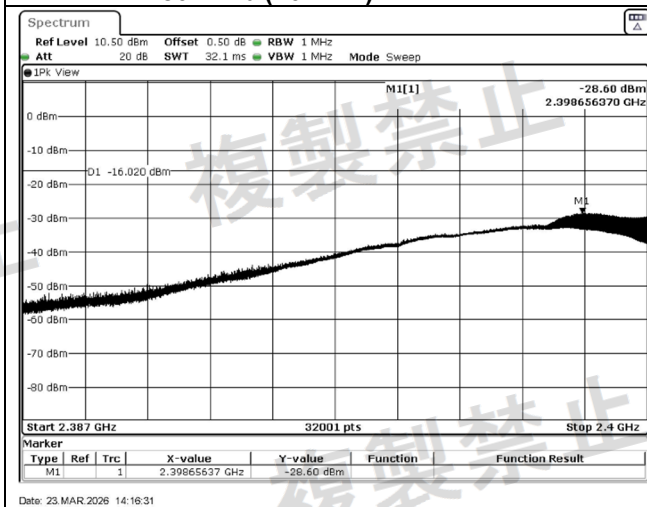
802.11ax (40 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value ($\mu\text{W}/\text{MHz}$)	Limit ($\mu\text{W}/\text{MHz}$)
2422	30 - 1000	986.98	0.001416	2.5
	1000 - 2387	2386.81	0.722770	2.5
	2387 - 2400	2399.98	5.623413	25
	2483.5 - 2496.5	2484.59	0.099770	25
	2496.5 - 8000	4845.99	0.005821	2.5
	8000 - 12500	10700.27	0.001679	2.5
2442	30 - 1000	902.14	0.001361	2.5
	1000 - 2387	2386.94	0.030549	2.5
	2387 - 2400	2396.00	2.177710	25
	2483.5 - 2496.5	2483.58	5.714786	25
	2496.5 - 8000	4867.32	0.006808	2.5
	8000 - 12500	11820.17	0.001622	2.5
2462	30 - 1000	877.98	0.001079	2.5
	1000 - 2387	2386.46	0.003459	2.5
	2387 - 2400	2399.37	0.085114	25
	2483.5 - 2496.5	2484.48	1.832314	25
	2496.5 - 8000	4925.62	0.007311	2.5
	8000 - 12500	12048.12	0.002032	2.5



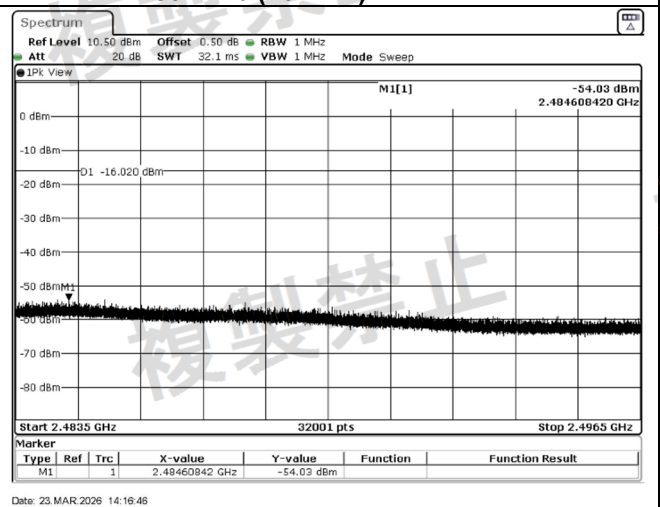
802.11b (20 MHz) /2412 MHz



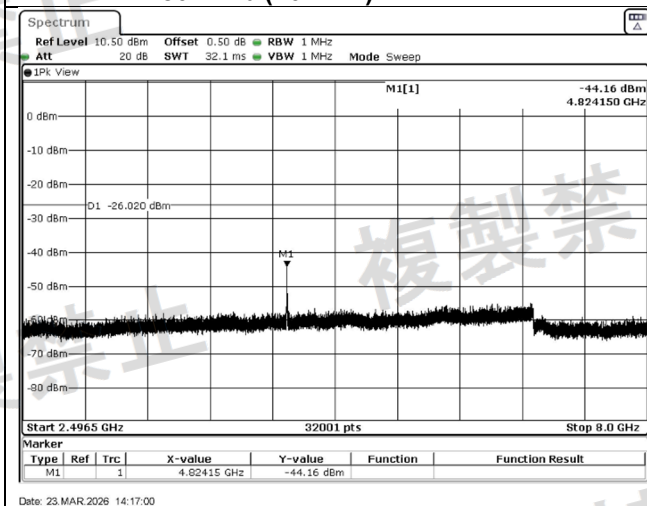
802.11b (20 MHz) /2412 MHz



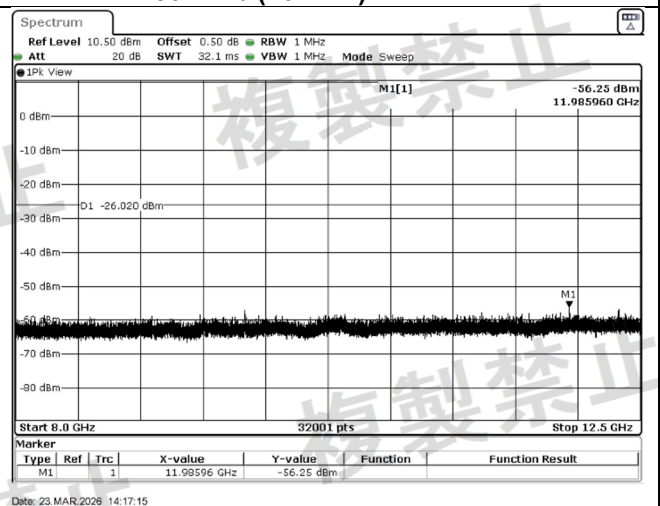
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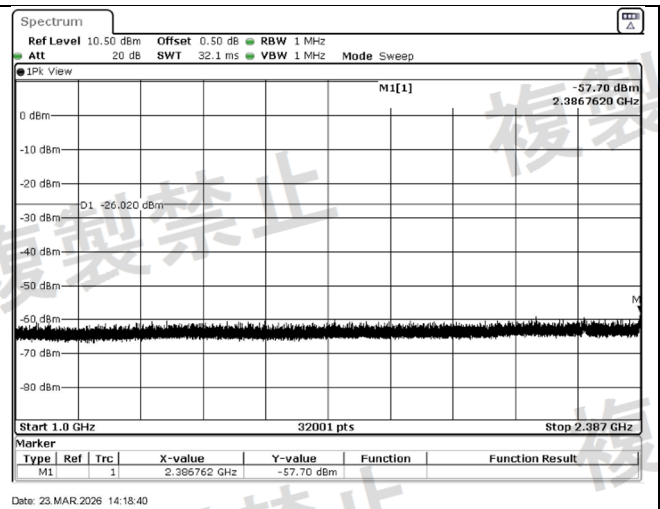
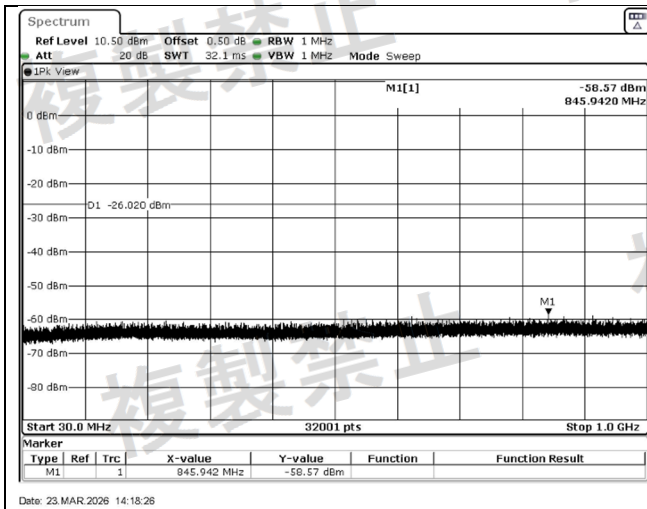
802.11b (20 MHz) /2412 MHz



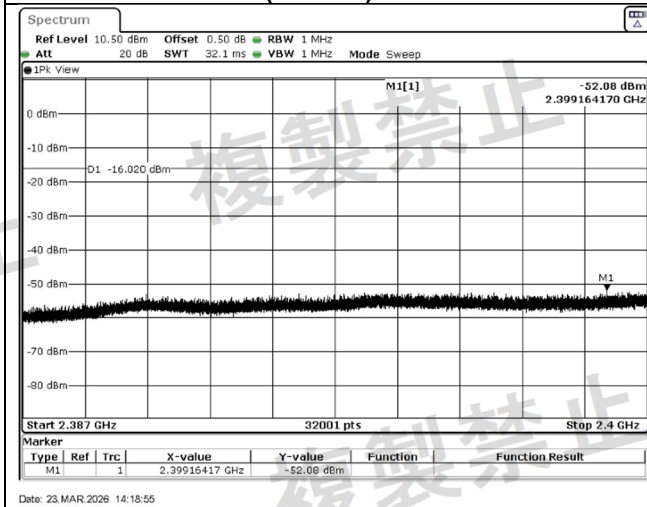
802.11b (20 MHz) /2412 MHz



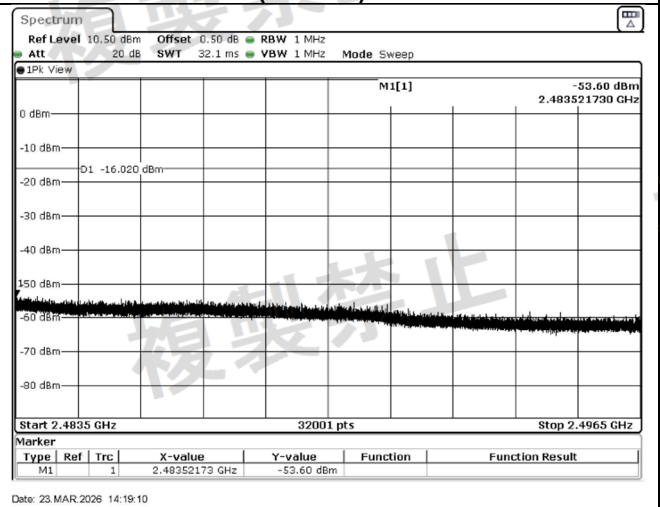
802.11b (20 MHz) /2412 MHz



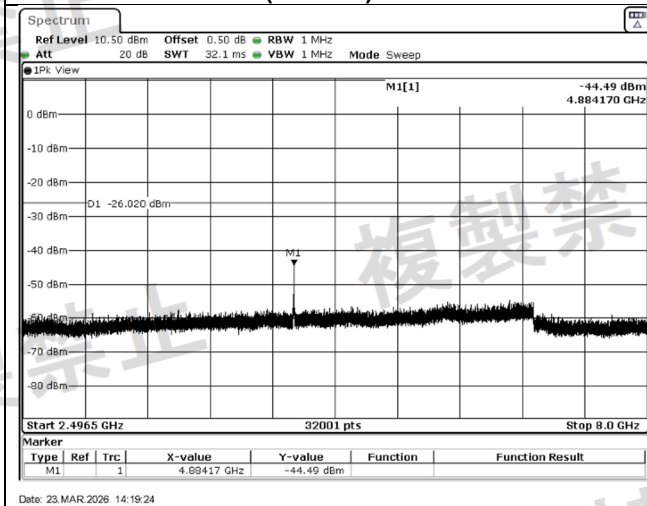
802.11b (20 MHz) /2442 MHz



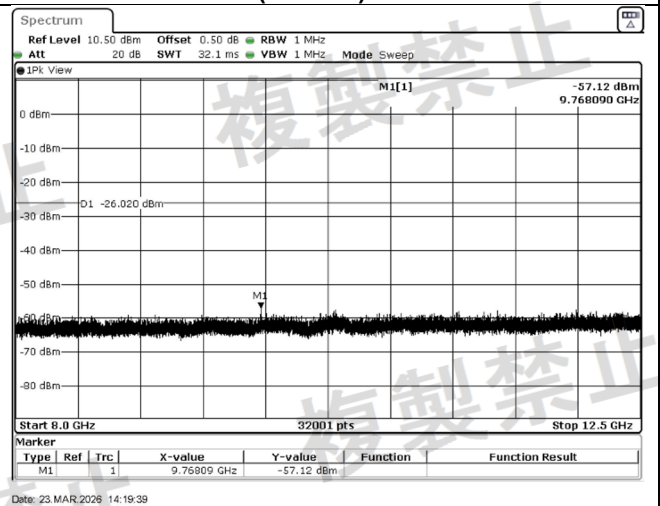
802.11b (20 MHz) /2442 MHz



802.11b (20 MHz) /2442 MHz

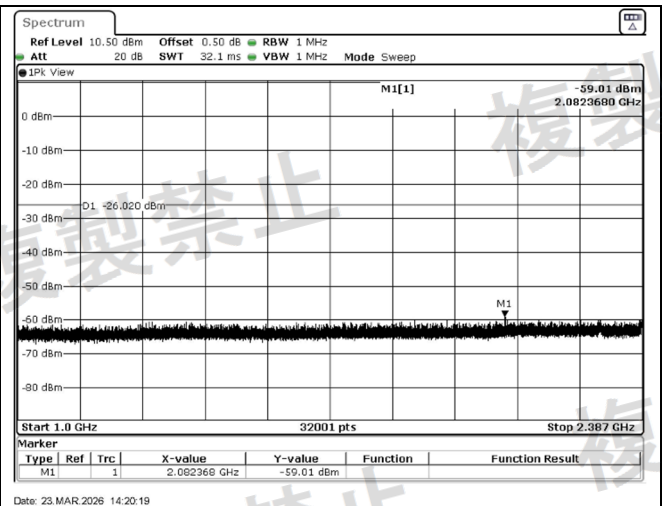
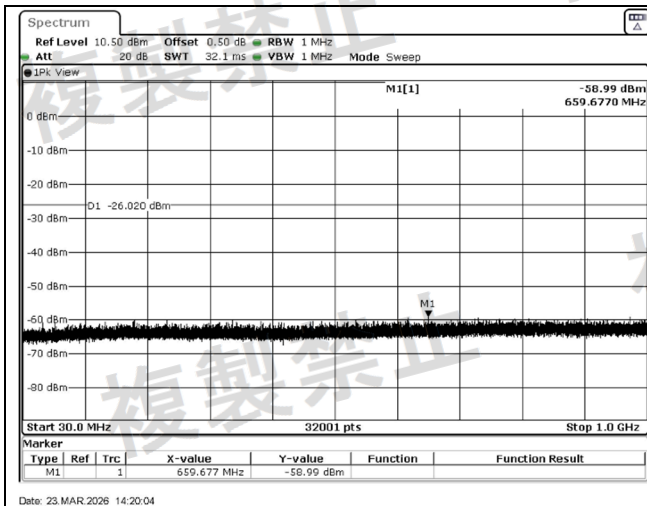
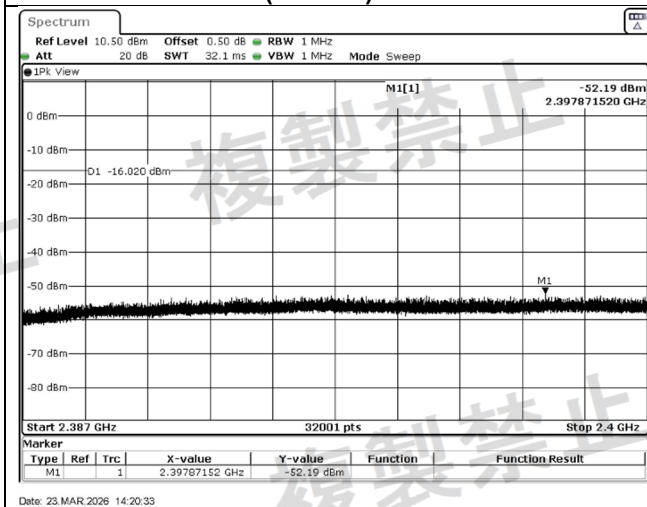
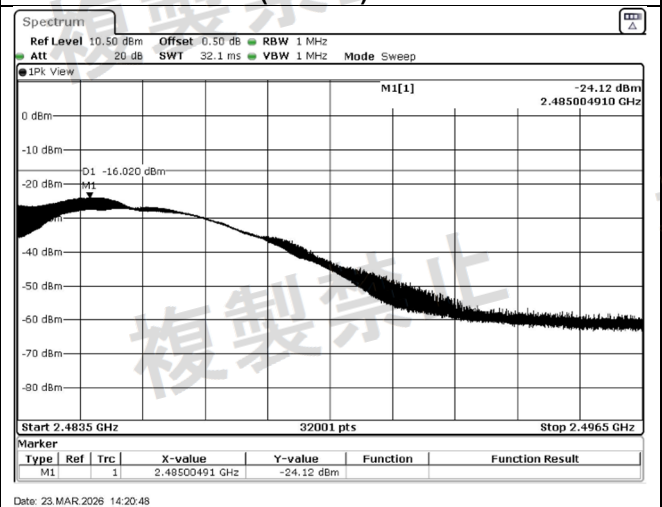
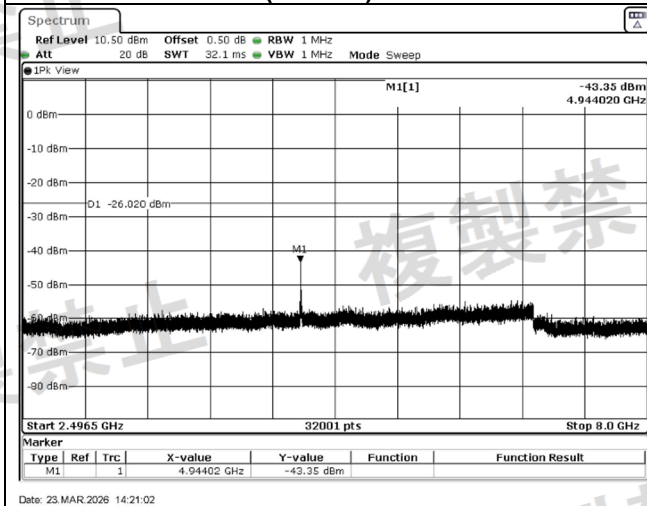
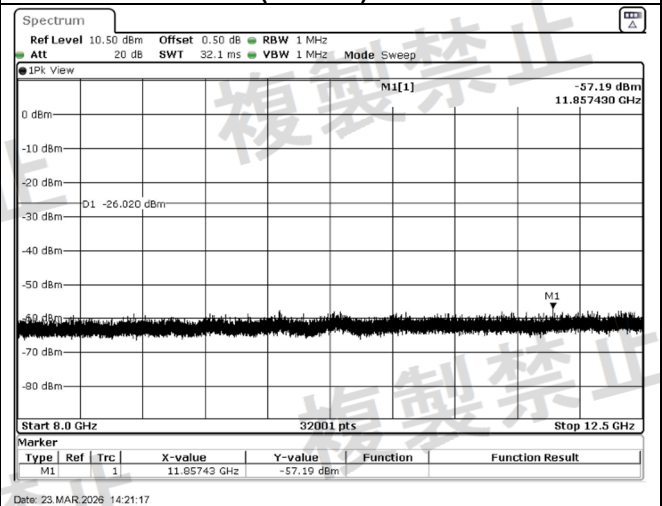


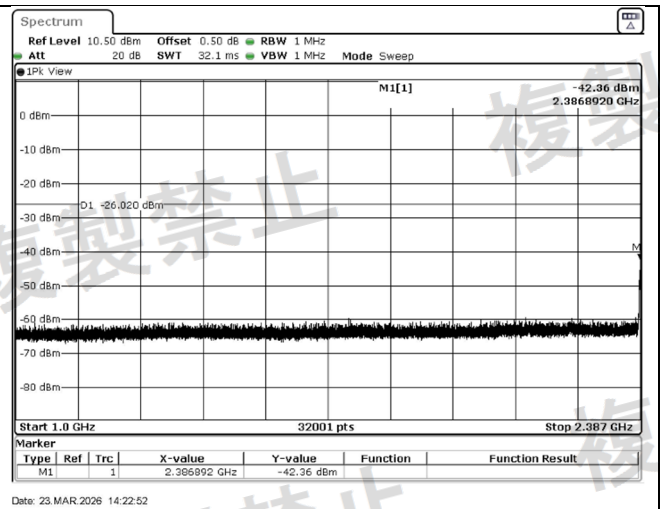
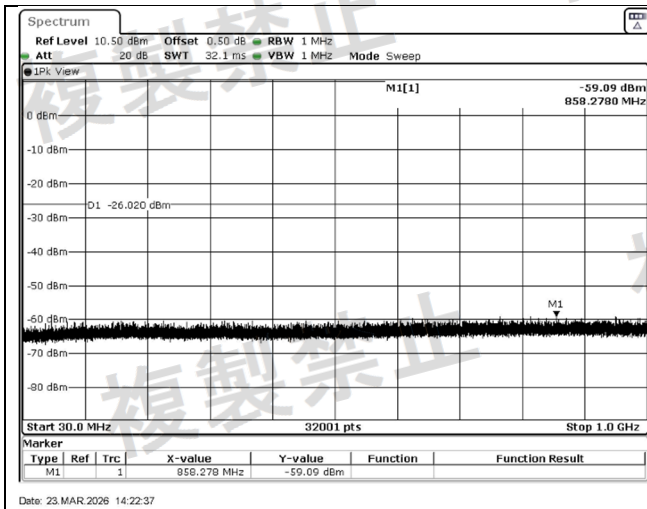
802.11b (20 MHz) /2442 MHz



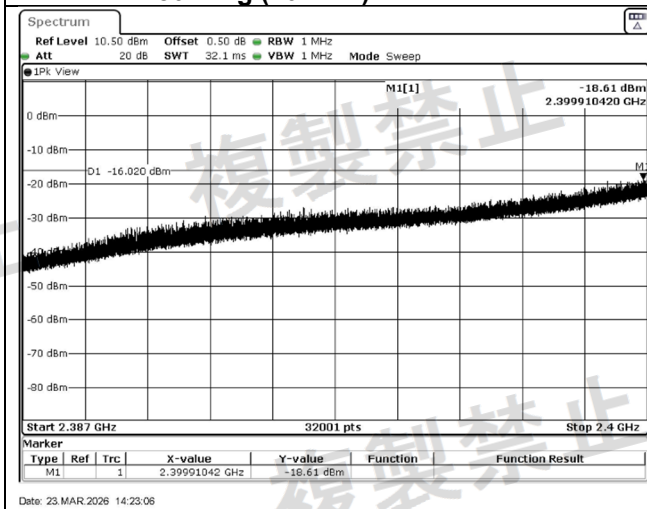
802.11b (20 MHz) /2442 MHz

802.11b (20 MHz) /2442 MHz

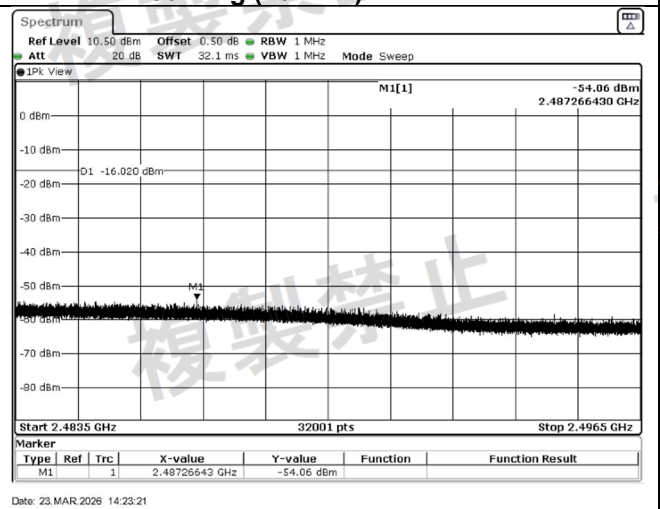
**802.11b (20 MHz) /2472 MHz****802.11b (20 MHz) /2472 MHz****802.11b (20 MHz) /2472 MHz****802.11b (20 MHz) /2472 MHz****802.11b (20 MHz) /2472 MHz****802.11b (20 MHz) /2472 MHz**



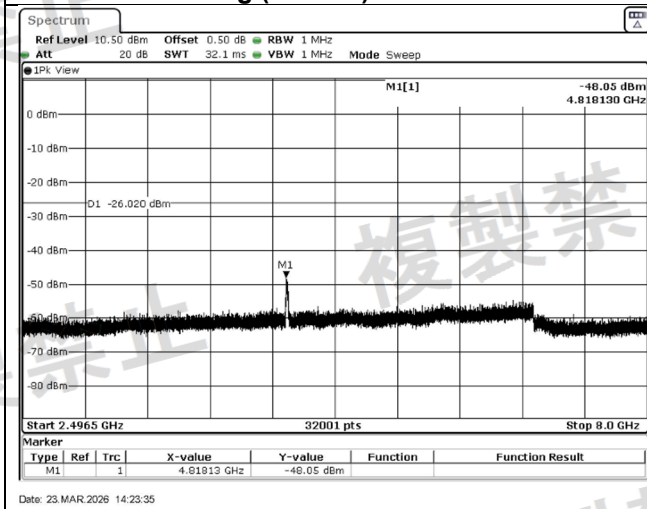
802.11g (20 MHz) / 2412 MHz



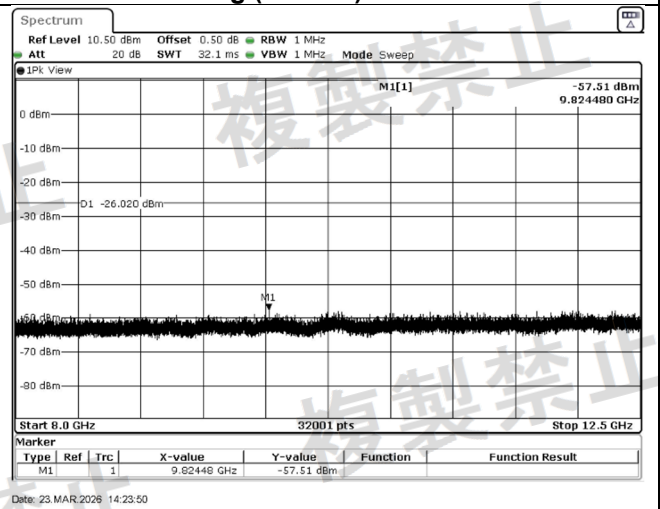
802.11g (20 MHz) / 2412 MHz



802.11g (20 MHz) / 2412 MHz

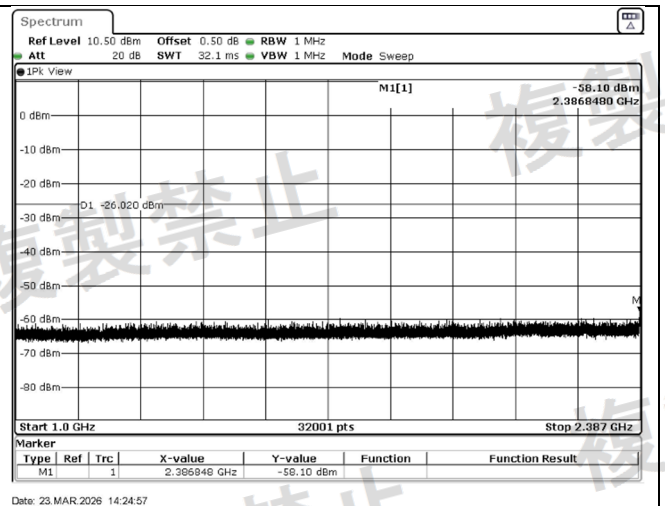
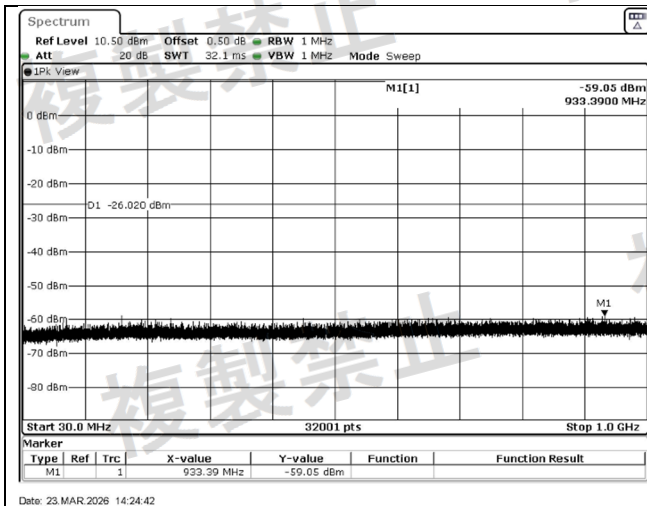


802.11g (20 MHz) / 2412 MHz

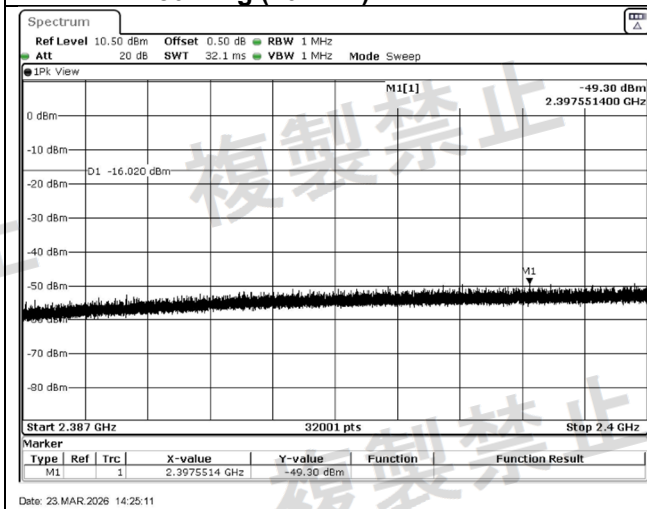


802.11g (20 MHz) / 2412 MHz

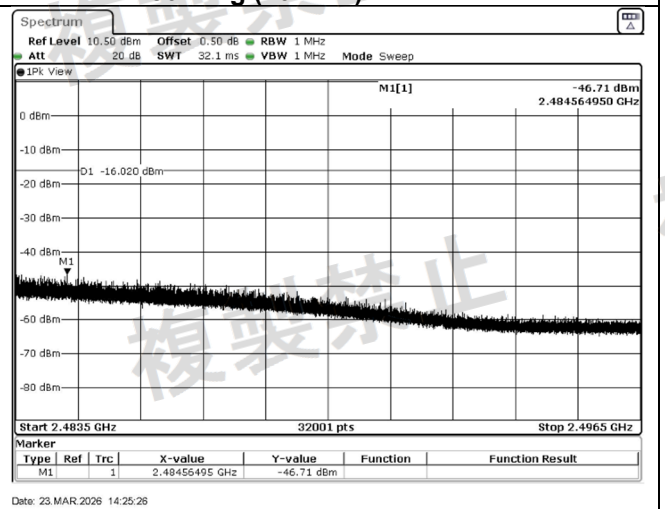
802.11g (20 MHz) / 2412 MHz



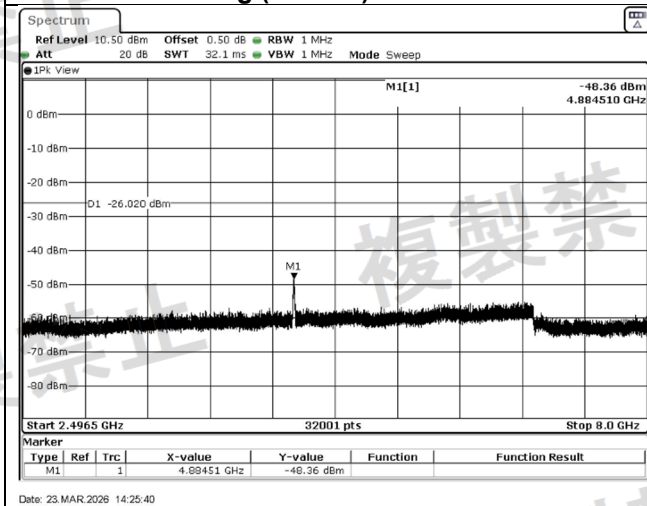
802.11g (20 MHz) / 2442 MHz



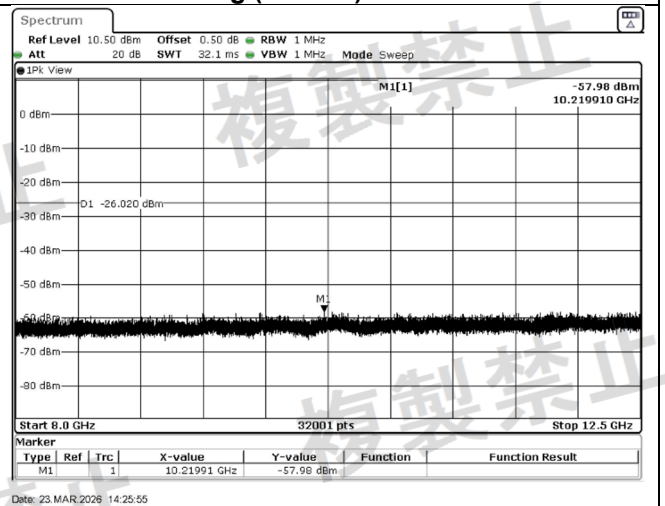
802.11g (20 MHz) / 2442 MHz



802.11g (20 MHz) / 2442 MHz

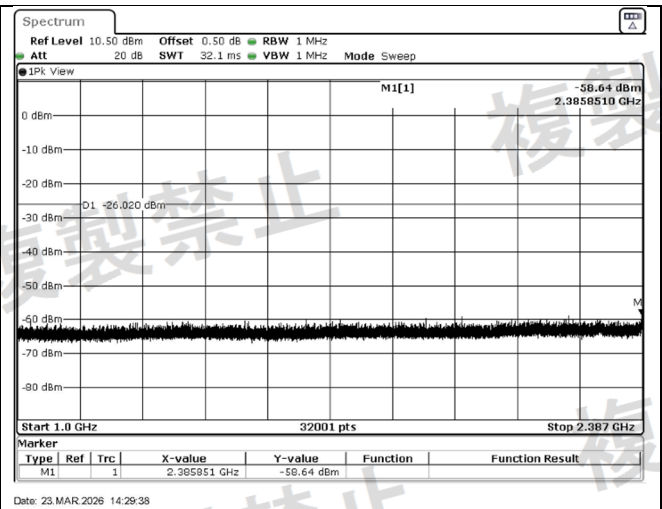
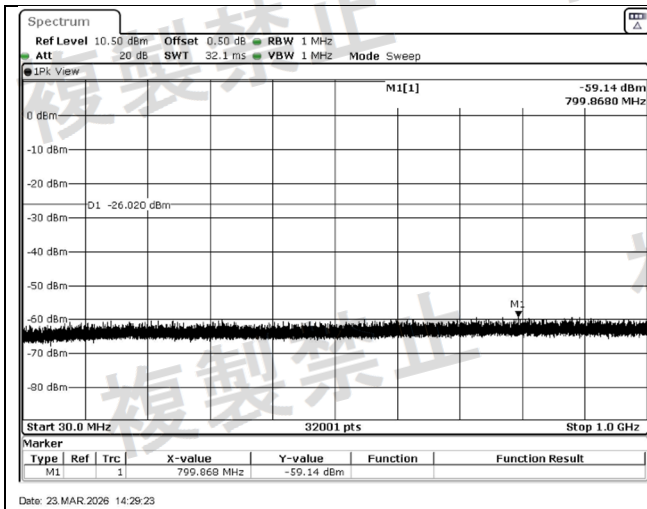
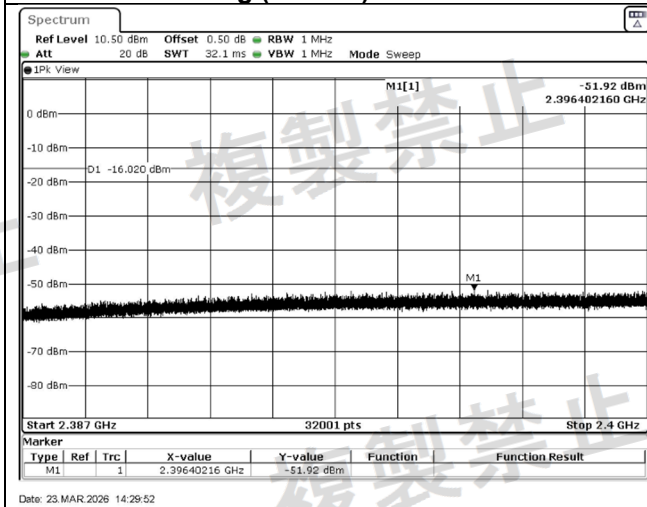
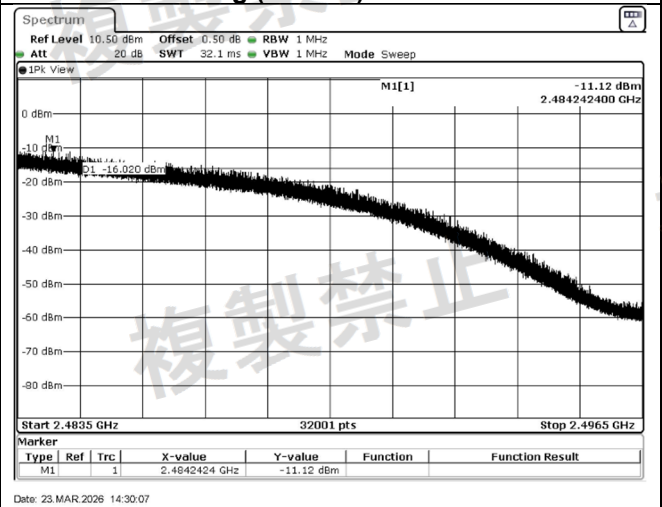
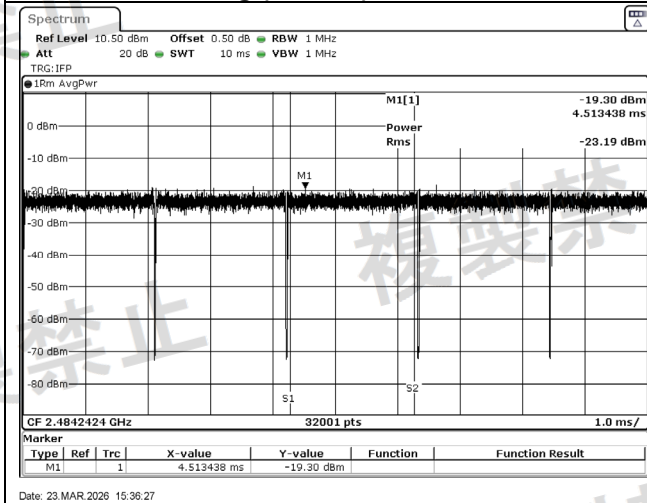
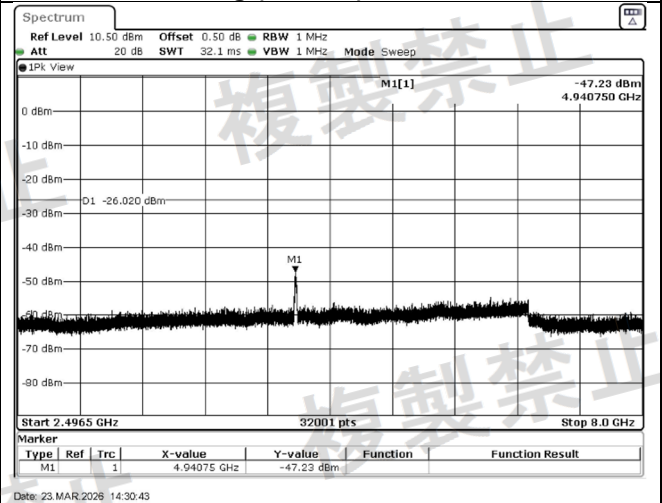


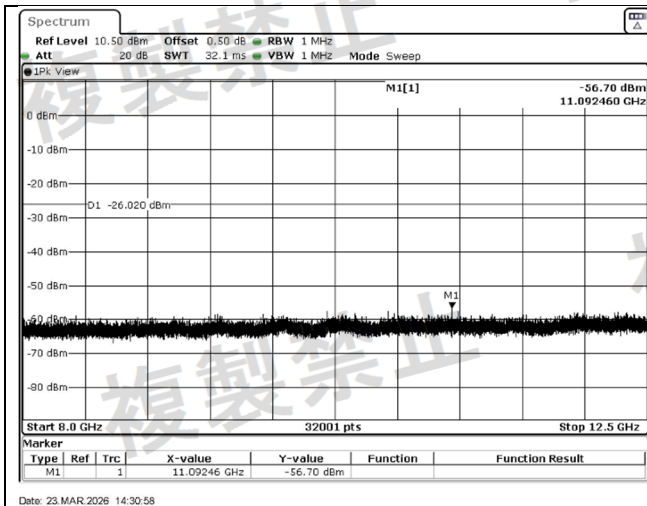
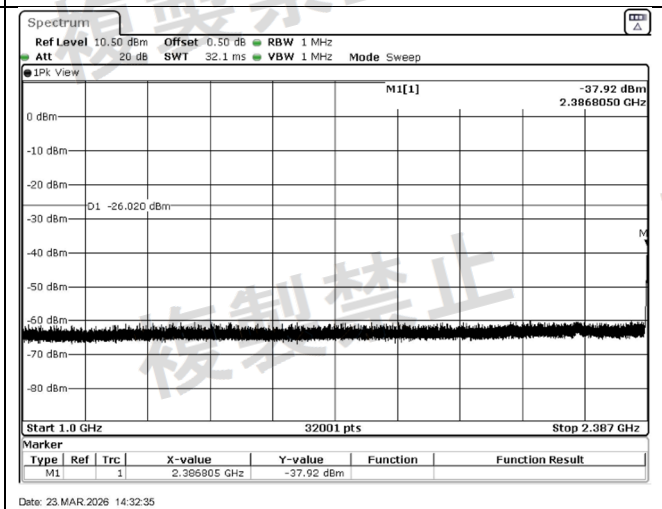
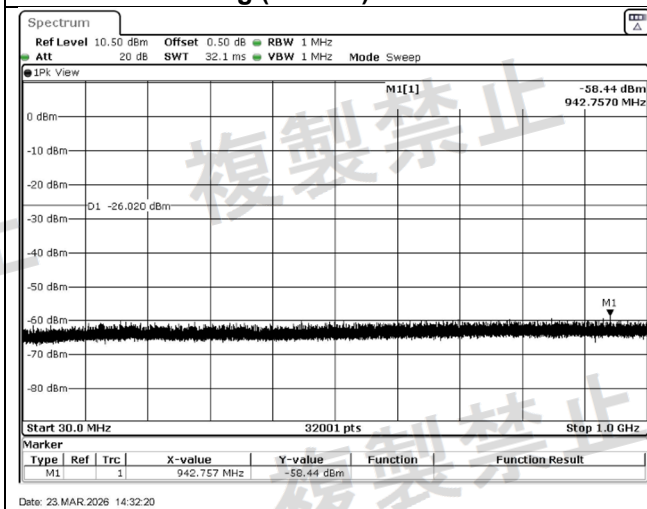
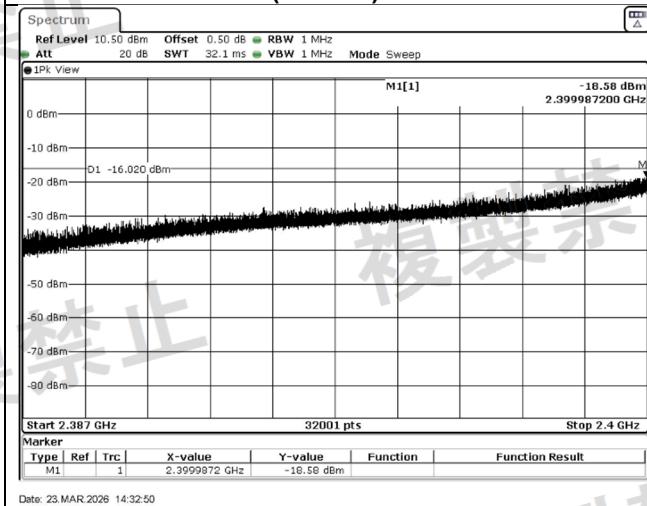
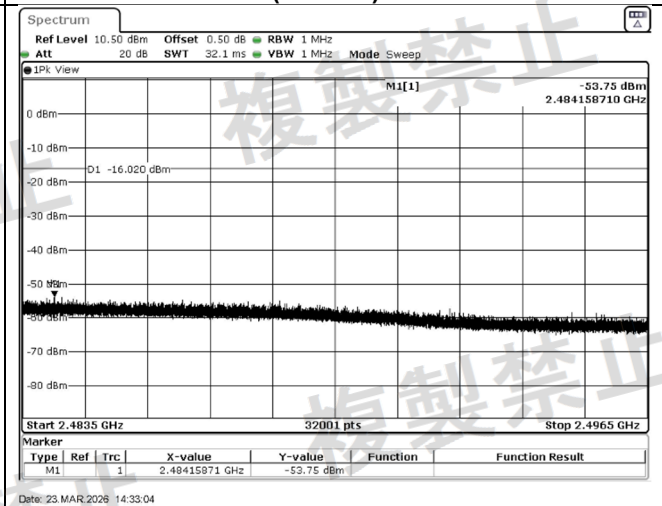
802.11g (20 MHz) / 2442 MHz

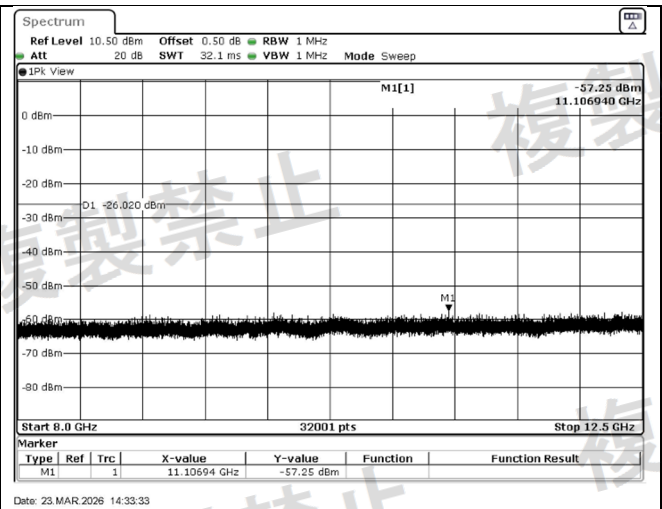
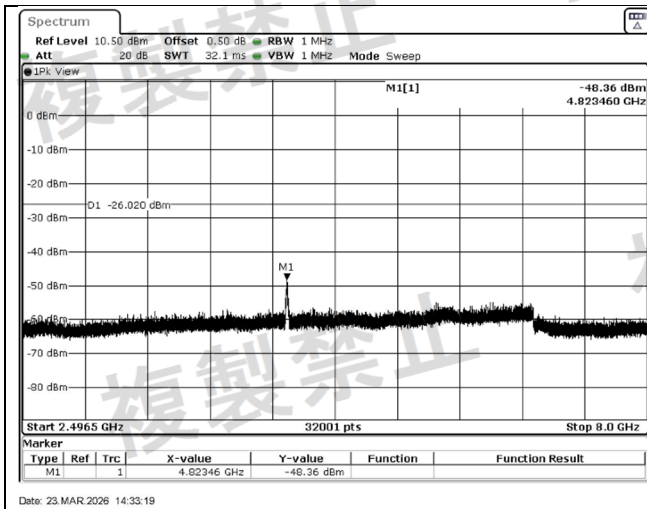


802.11g (20 MHz) / 2442 MHz

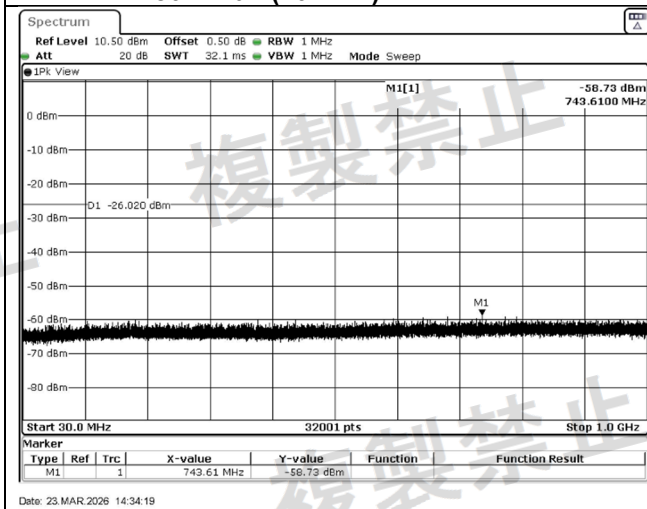
802.11g (20 MHz) / 2442 MHz

**802.11g (20 MHz) / 2472 MHz****802.11g (20 MHz) / 2472 MHz****802.11g (20 MHz) / 2472 MHz****802.11g (20 MHz) / 2472 MHz****802.11g (20 MHz) / 2472 MHz****802.11g (20 MHz) / 2472 MHz**

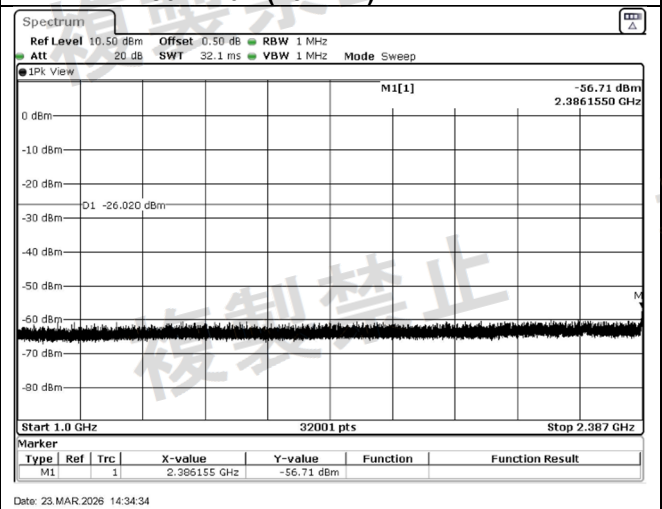
**802.11g (20 MHz) / 2472 MHz****802.11ax (20 MHz)/ 2412 MHz****802.11ax (20 MHz)/ 2412 MHz****802.11ax (20 MHz)/ 2412 MHz****802.11ax (20 MHz)/ 2412 MHz**



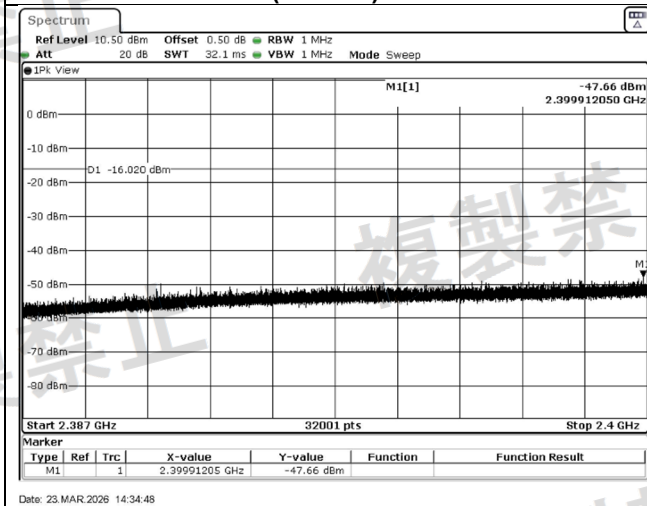
802.11ax (20 MHz)/ 2412 MHz



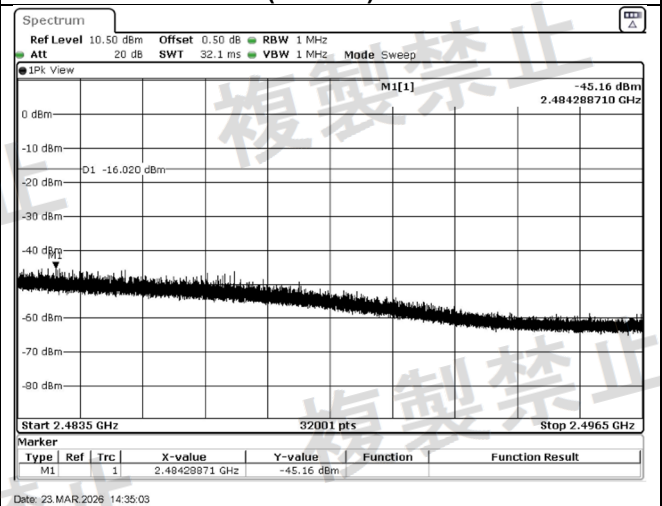
802.11ax (20 MHz)/ 2412 MHz



802.11ax (20 MHz)/ 2442 MHz

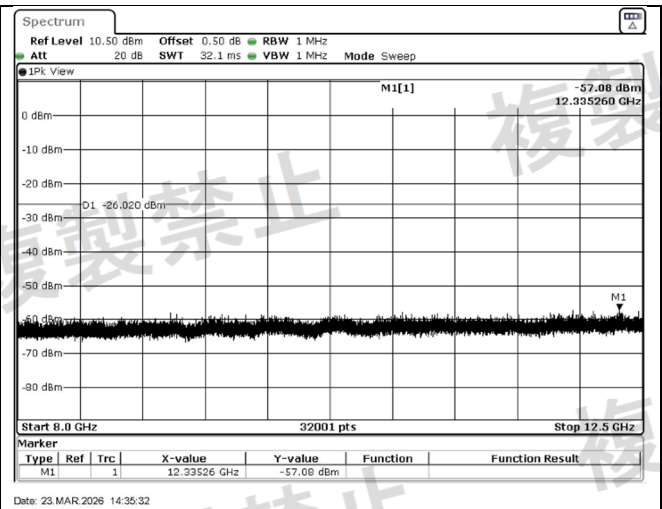
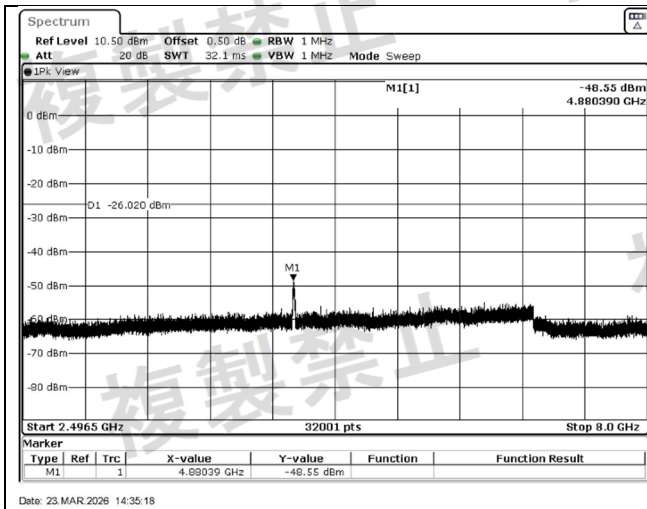


802.11ax (20 MHz)/ 2442 MHz

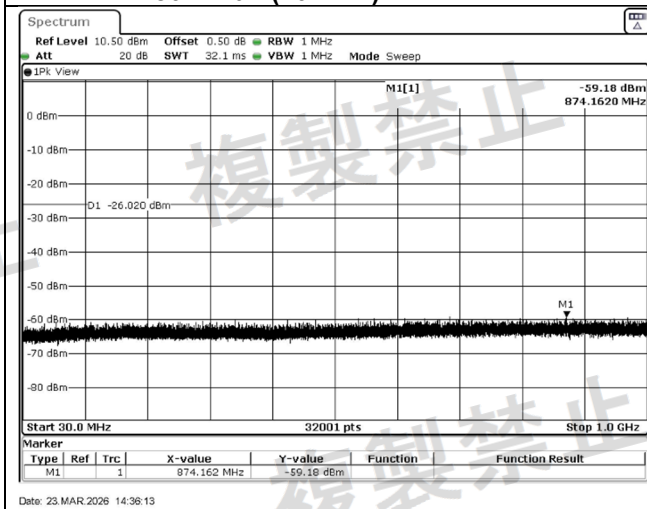


802.11ax (20 MHz)/ 2442 MHz

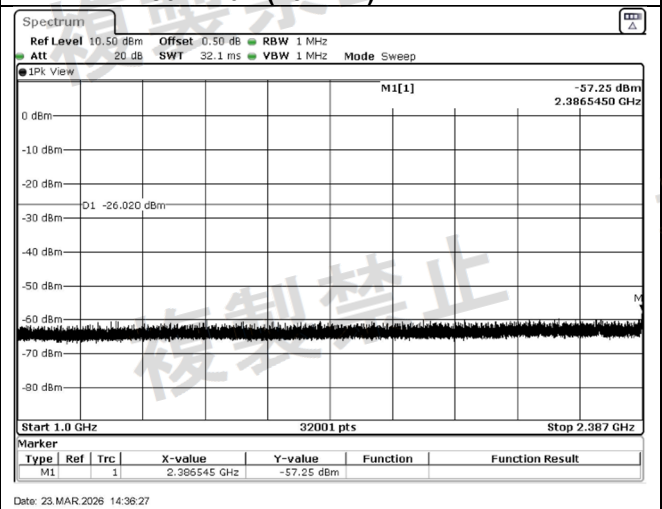
802.11ax (20 MHz)/ 2442 MHz



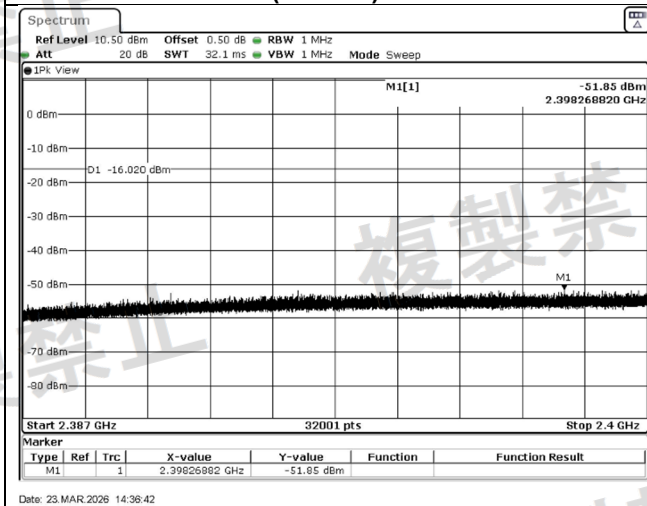
802.11ax (20 MHz)/ 2442 MHz



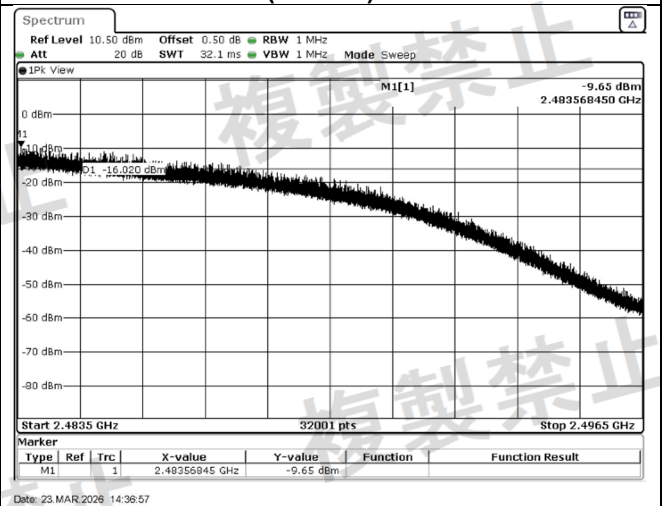
802.11ax (20 MHz)/ 2442 MHz



802.11ax (20 MHz)/ 2472 MHz

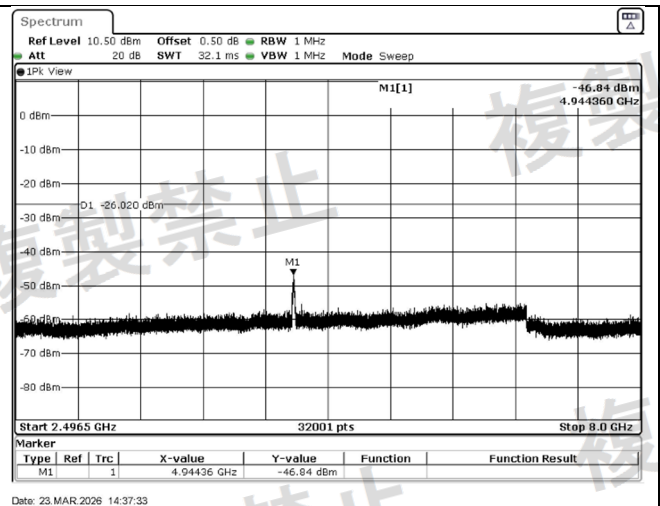
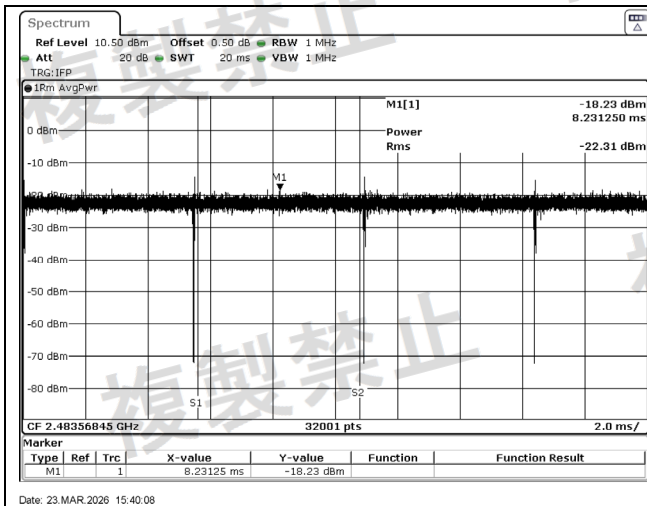


802.11ax (20 MHz)/ 2472 MHz

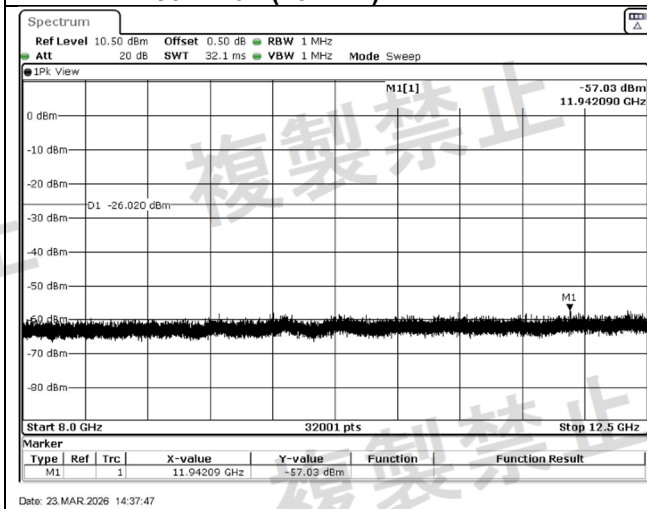


802.11ax (20 MHz)/ 2472 MHz

802.11ax (20 MHz)/ 2472 MHz



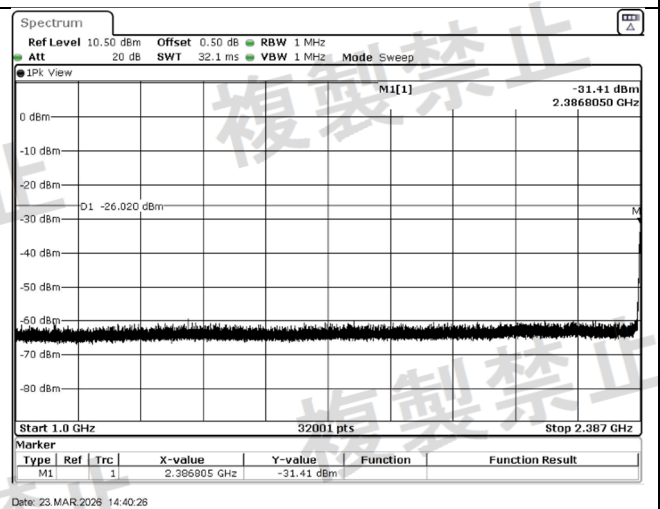
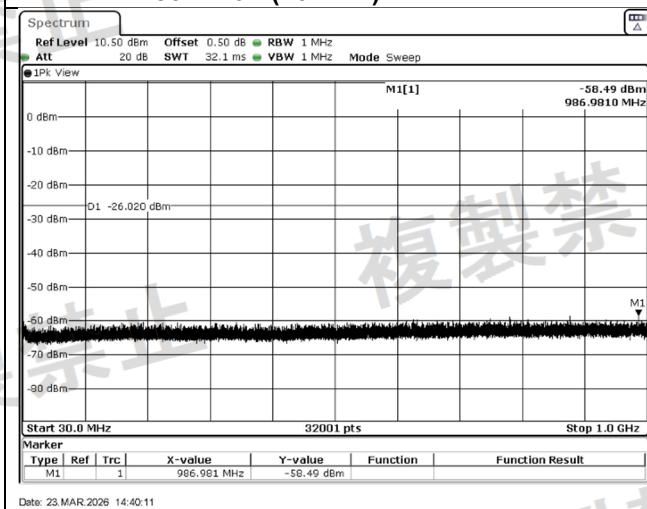
802.11ax (20 MHz)/ 2472 MHz



802.11ax (20 MHz)/ 2472 MHz

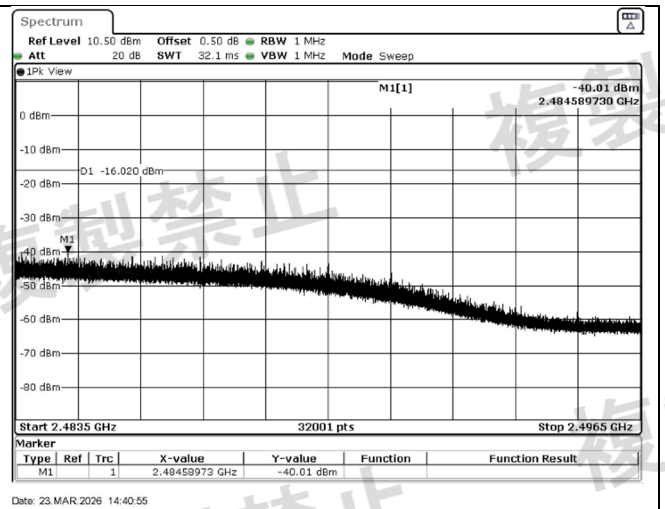
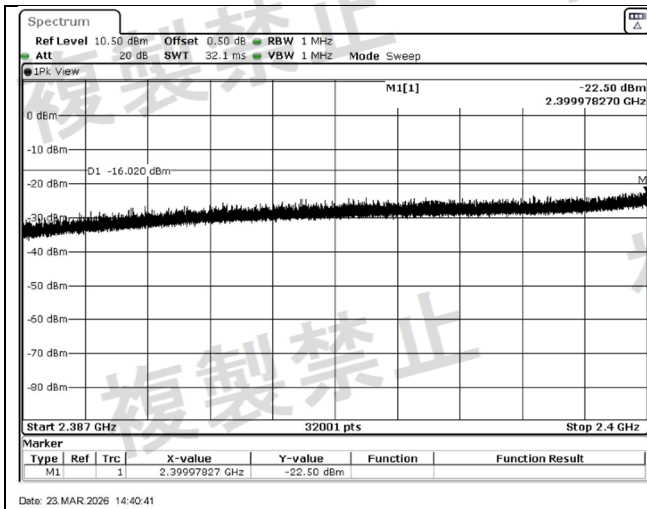
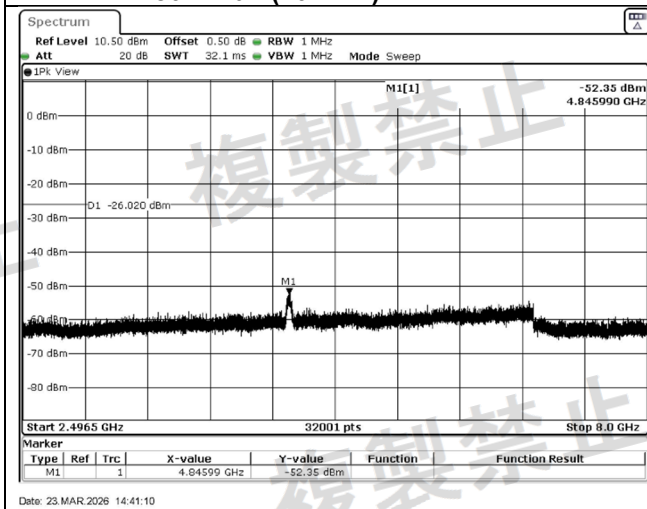
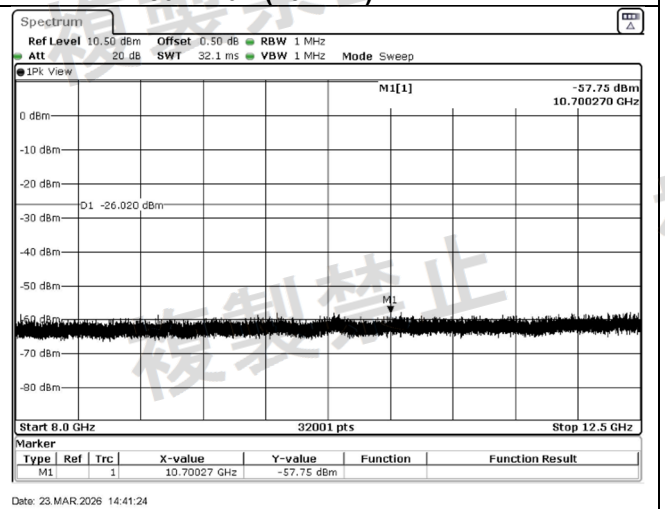
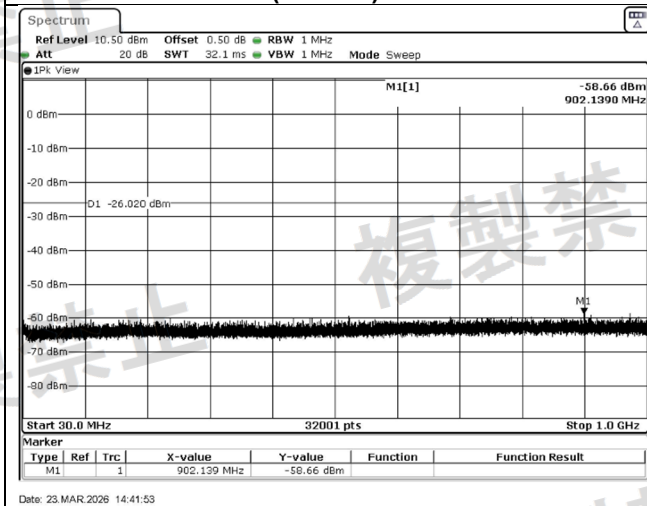
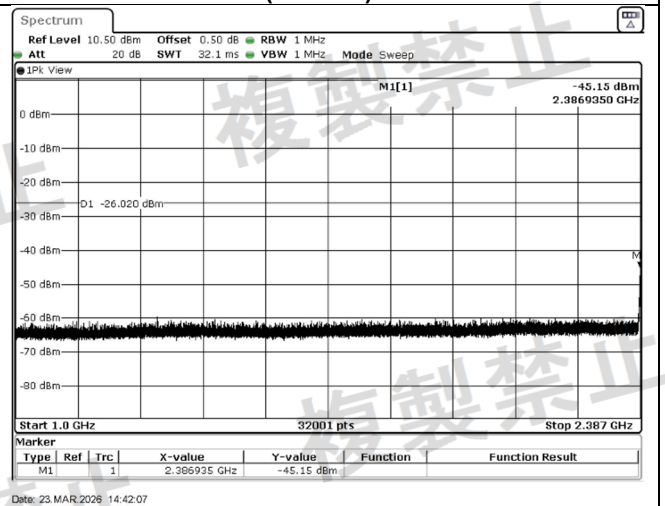


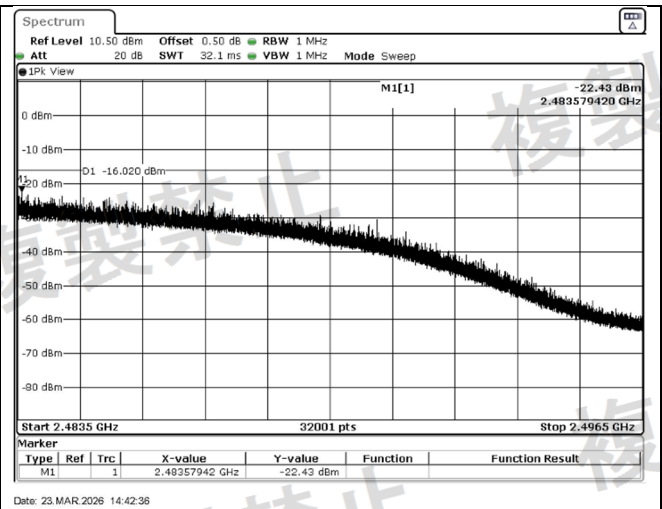
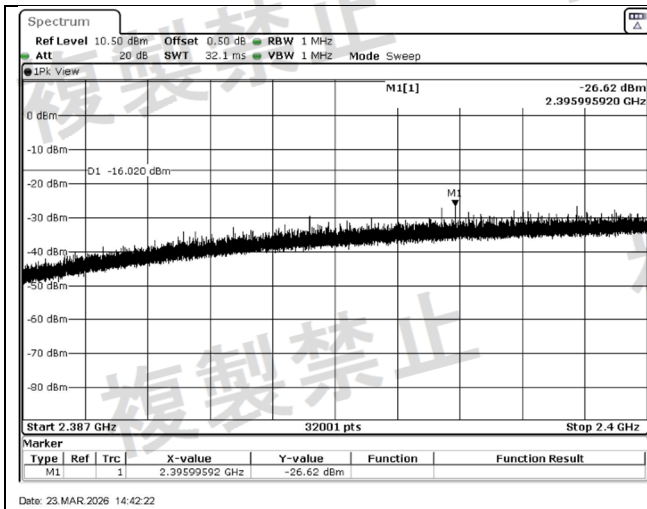
802.11ax (20 MHz)/ 2472 MHz



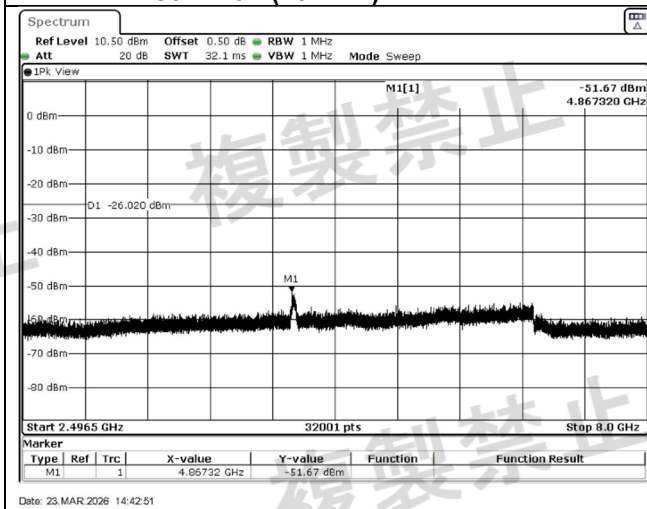
802.11ax (40 MHz)/ 2422 MHz

802.11ax (40 MHz)/ 2422 MHz

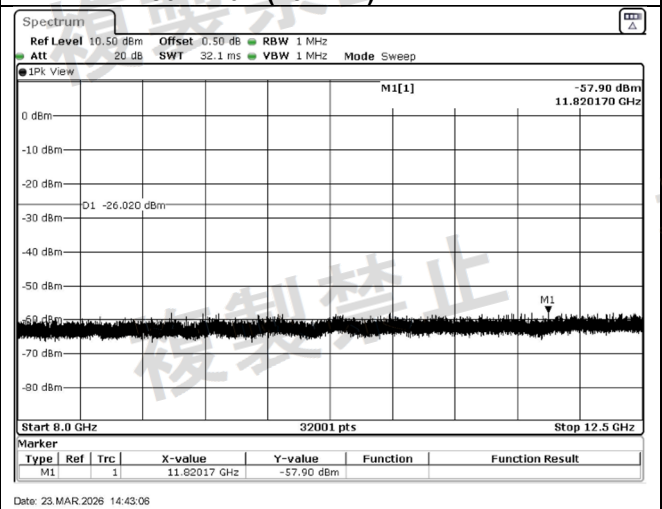
**802.11ax (40 MHz)/ 2422 MHz****802.11ax (40 MHz)/ 2422 MHz****802.11ax (40 MHz)/ 2422 MHz****802.11ax (40 MHz)/ 2422 MHz****802.11ax (40 MHz)/ 2422 MHz****802.11ax (40 MHz)/ 2422 MHz**



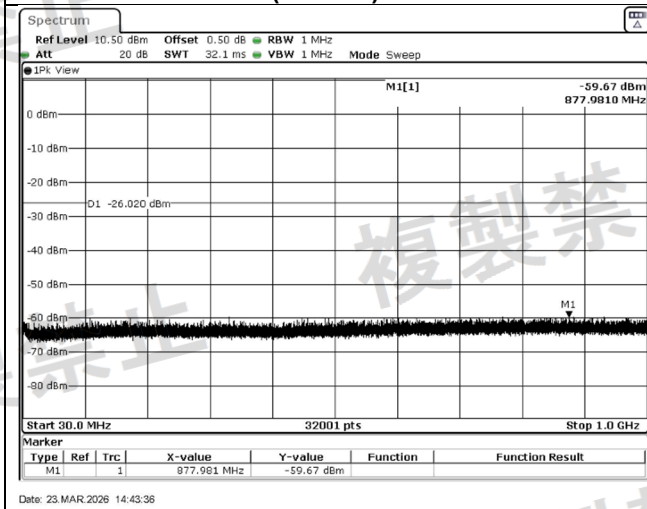
802.11ax (40 MHz)/ 2442 MHz



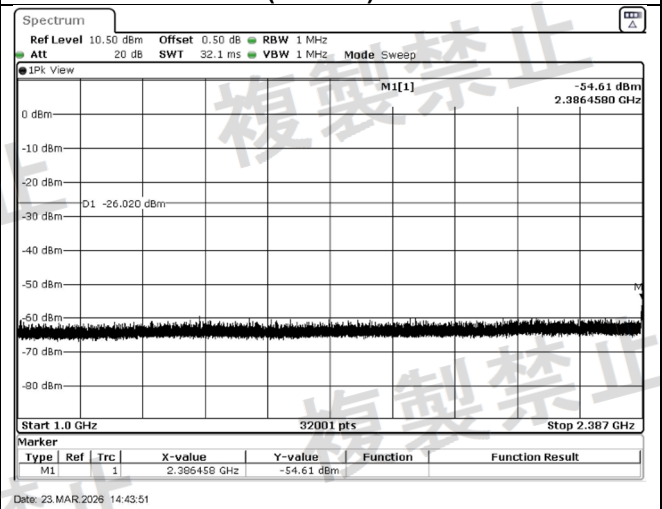
802.11ax (40 MHz)/ 2442 MHz



802.11ax (40 MHz)/ 2442 MHz

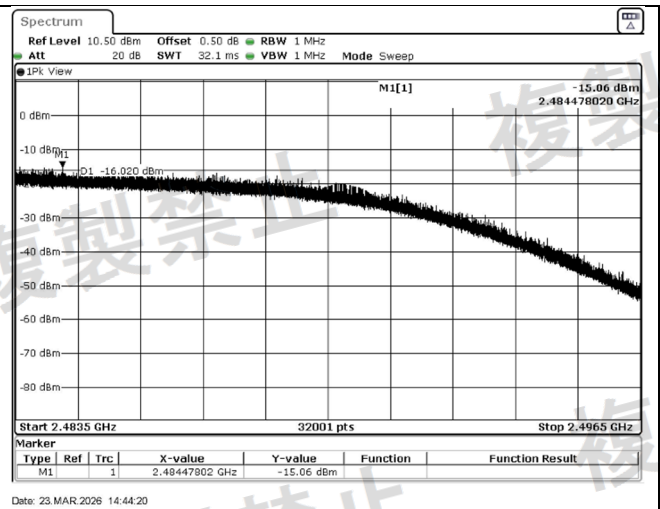
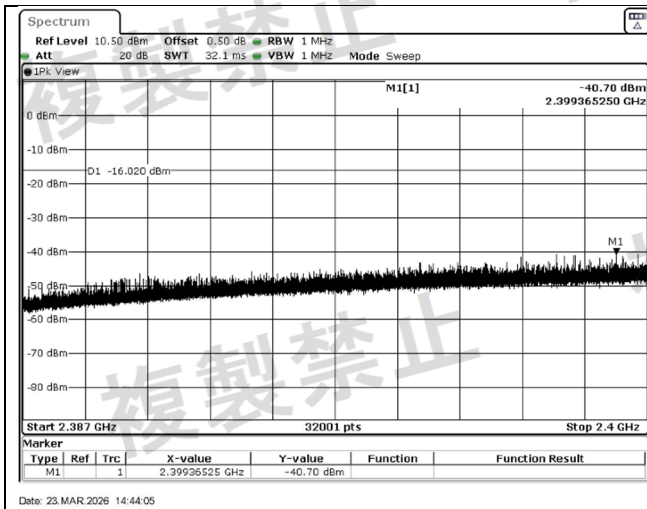


802.11ax (40 MHz)/ 2442 MHz

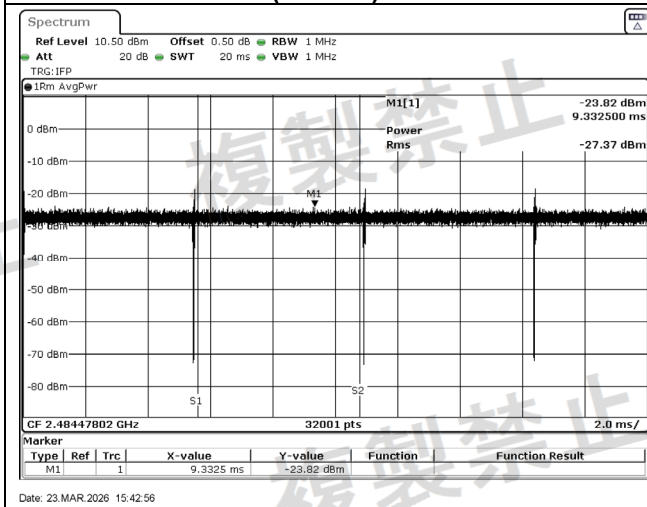


802.11ax (40 MHz)/ 2462 MHz

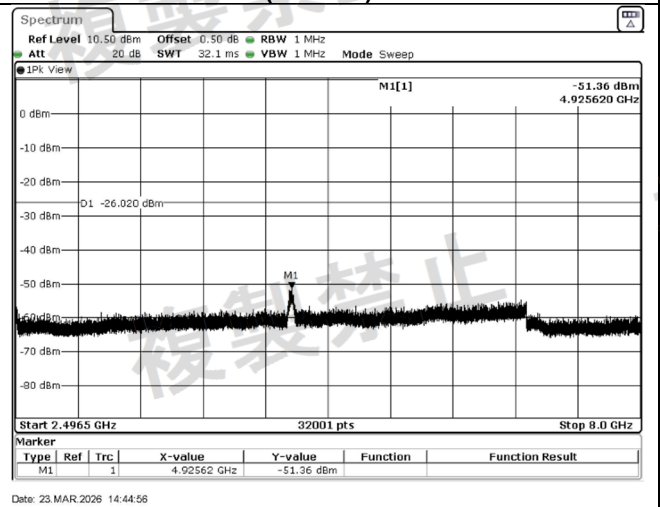
802.11ax (40 MHz)/ 2462 MHz



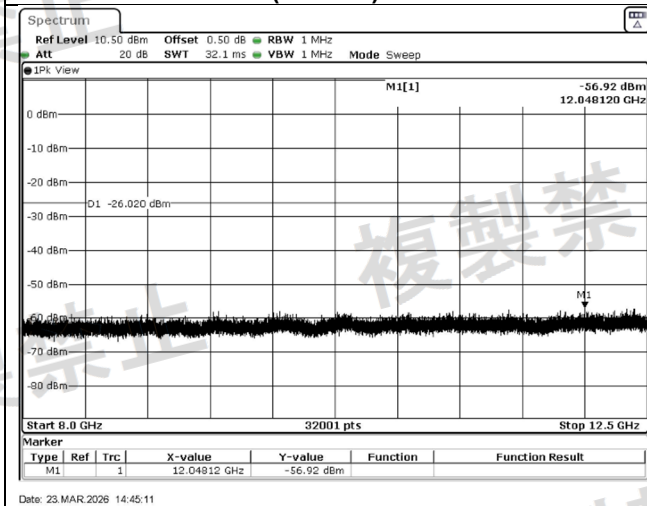
802.11ax (40 MHz)/ 2462 MHz



802.11ax (40 MHz)/ 2462 MHz



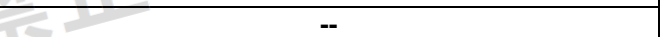
802.11ax (40 MHz)/ 2462 MHz



802.11ax (40 MHz)/ 2462 MHz



802.11ax (40 MHz)/ 2462 MHz



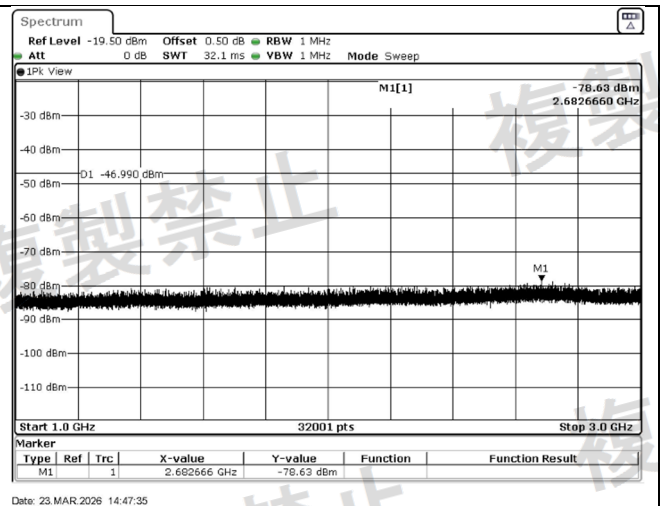
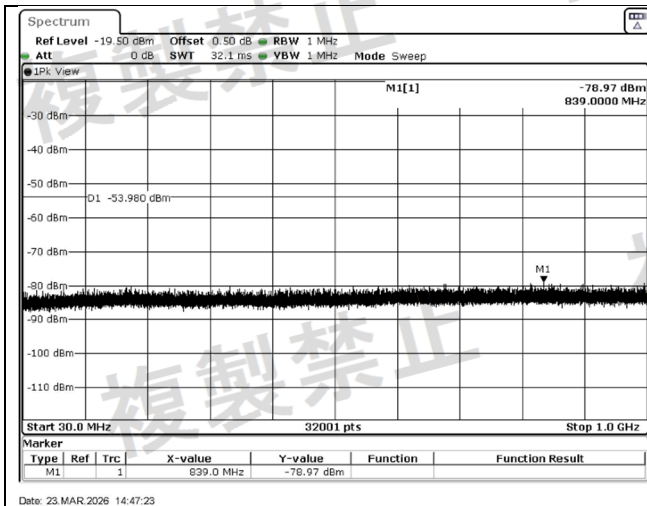
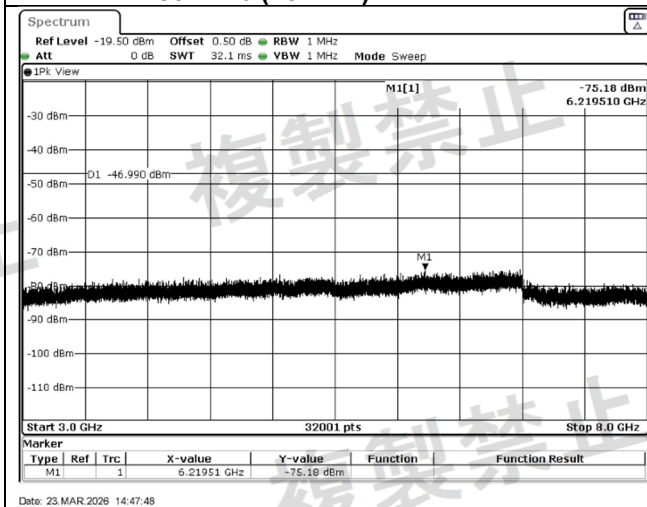
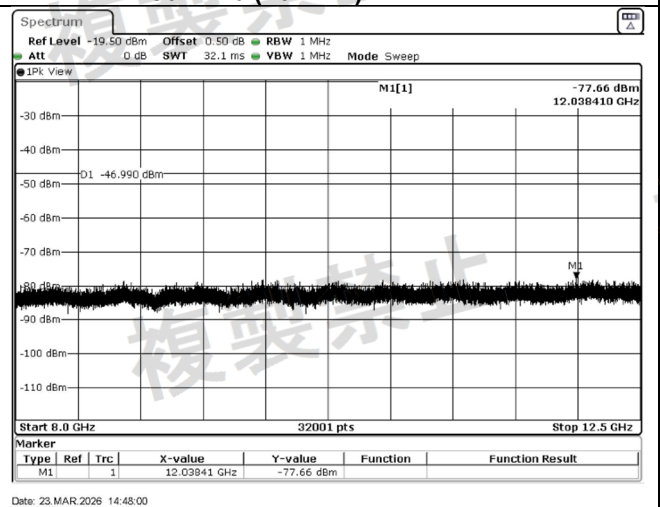
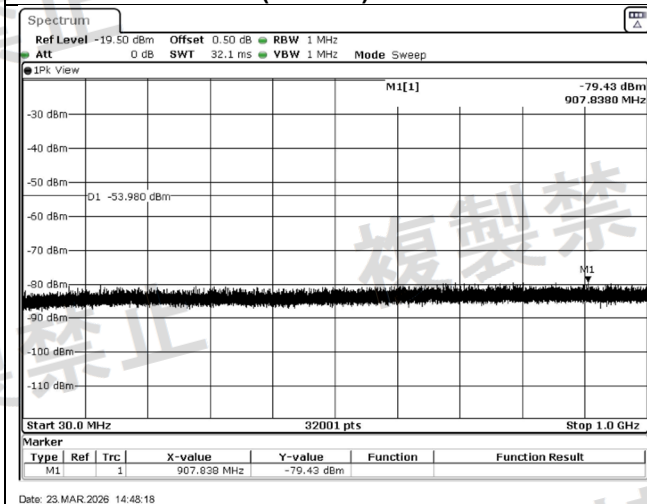
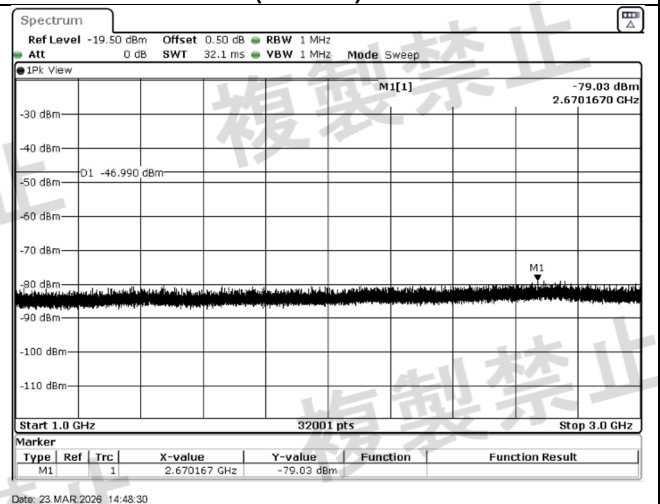
Appendix E. Test Result of Receiver Spurious Emissions

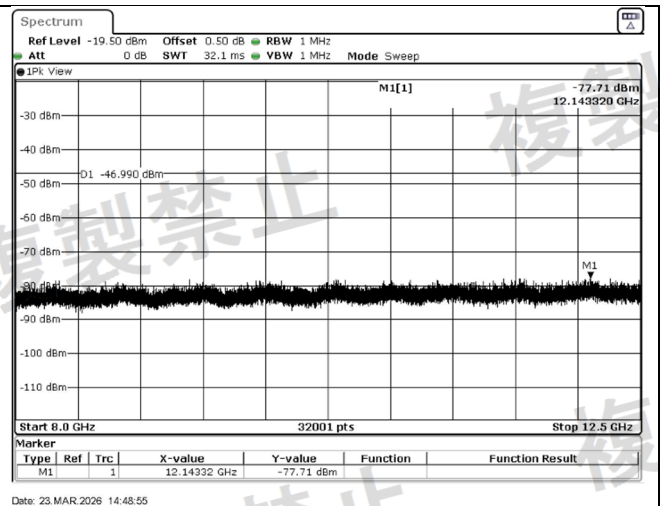
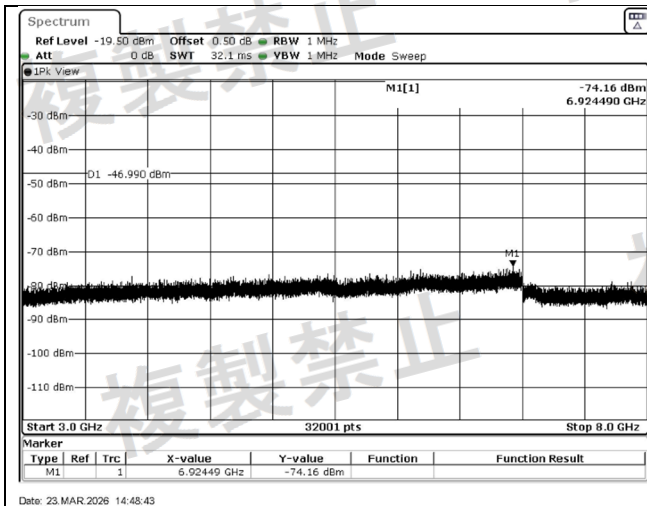
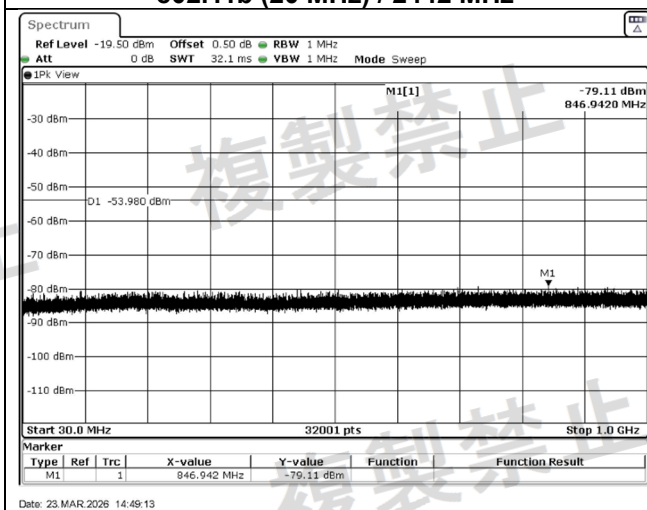
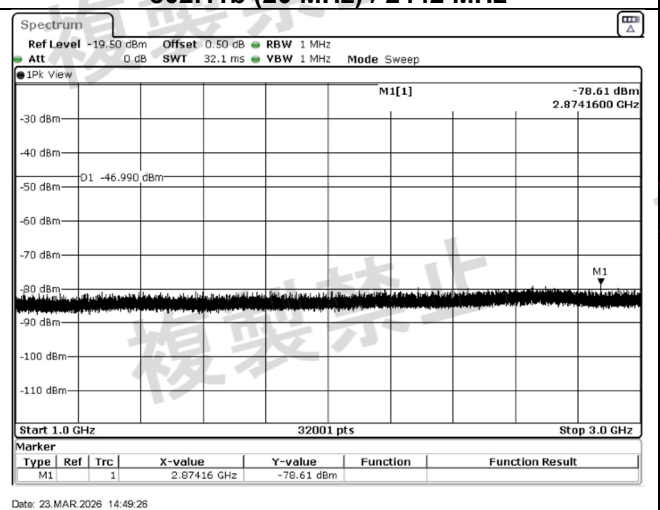
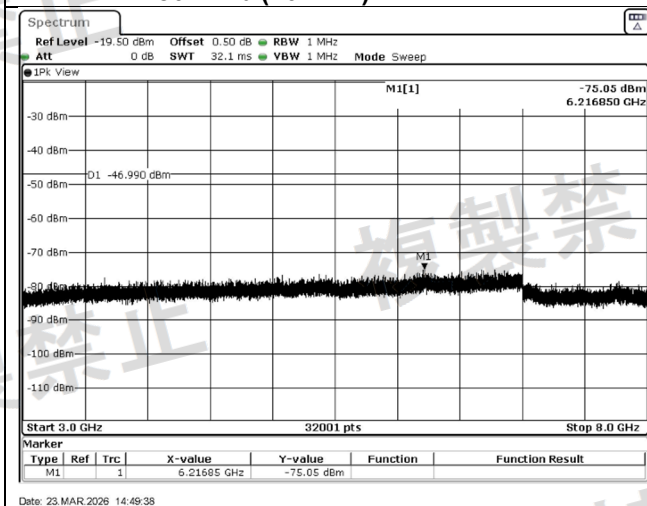
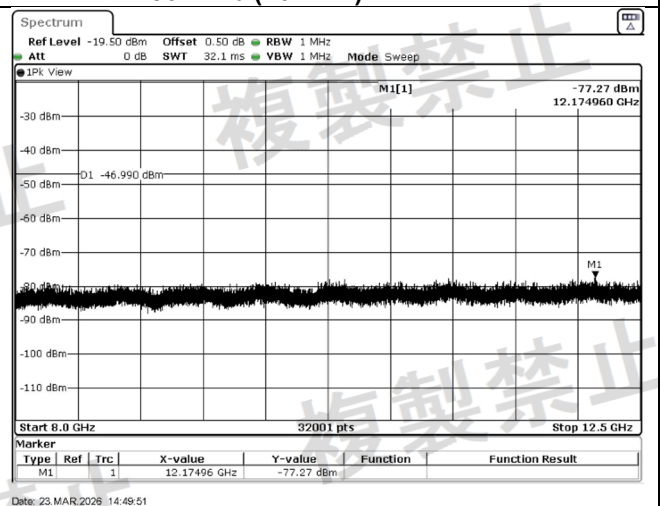
802.11b (20 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (nW)	Limit (nW)
2412	30 - 1000	839.00	0.012677	4
	1000 - 3000	2682.67	0.013709	20
	3000 - 8000	6219.51	0.030339	20
	8000 - 12500	12038.41	0.017140	20
2442	30 - 1000	907.84	0.011402	4
	1000 - 3000	2670.17	0.012503	20
	3000 - 8000	6924.49	0.038371	20
	8000 - 12500	12143.32	0.016943	20
2472	30 - 1000	846.94	0.012274	4
	1000 - 3000	2874.16	0.013772	20
	3000 - 8000	6216.85	0.031261	20
	8000 - 12500	12174.96	0.018750	20

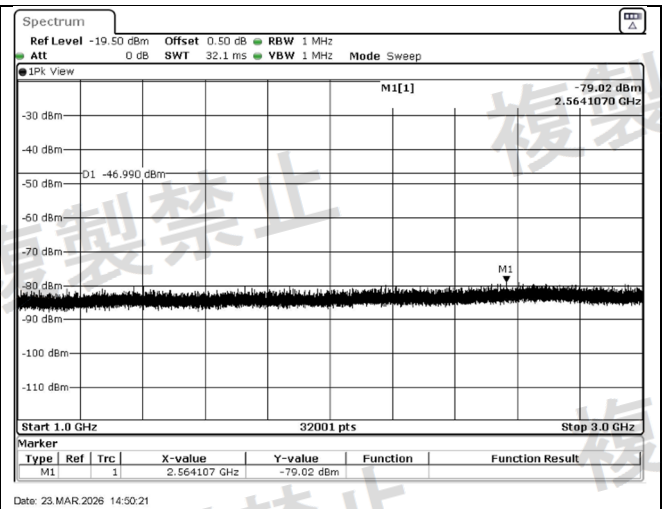
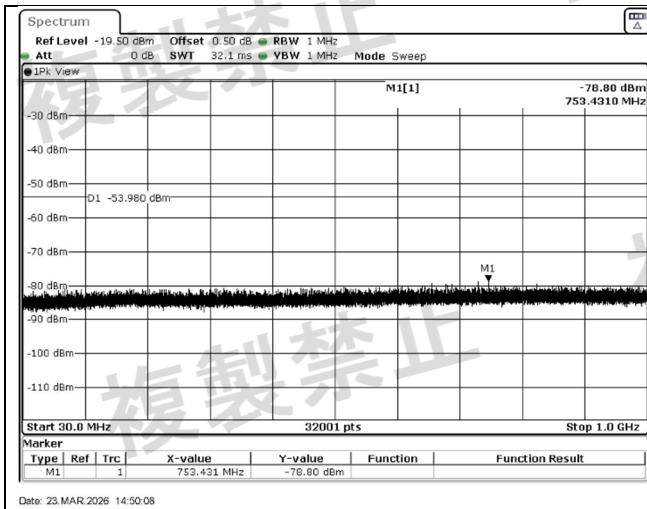
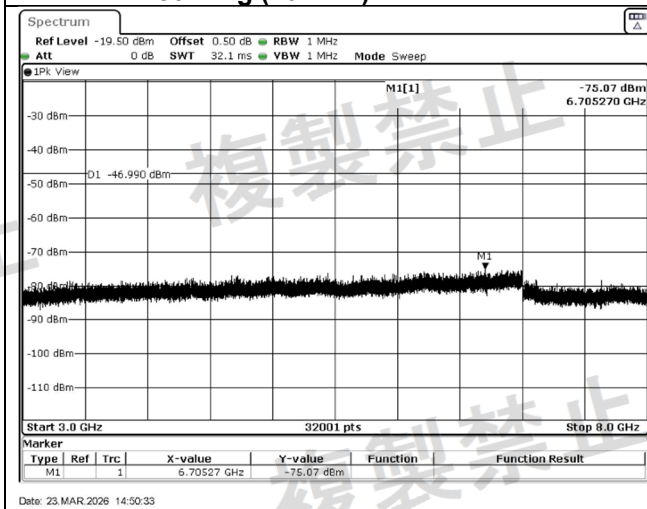
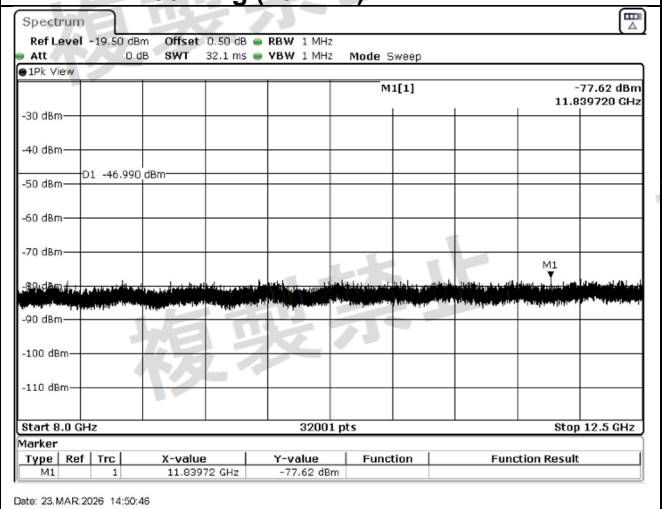
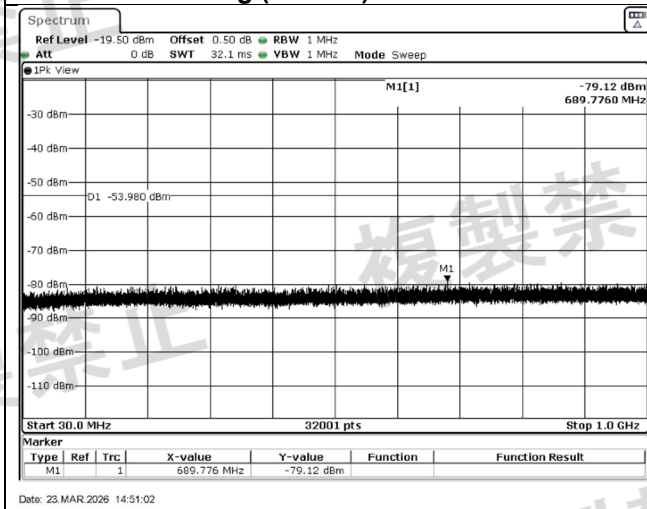
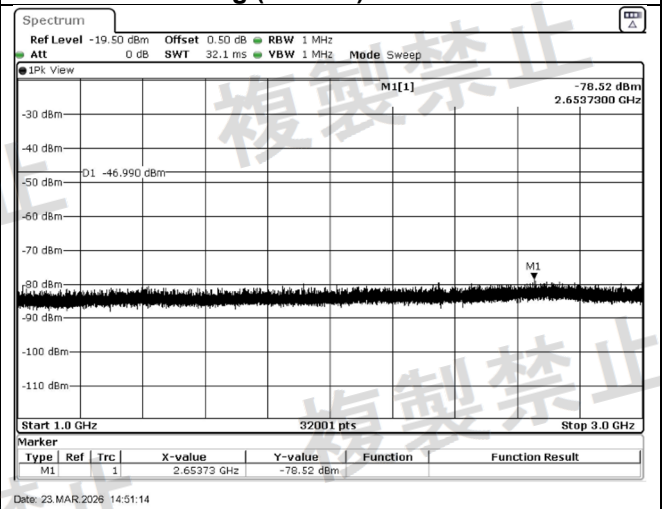
802.11g (20 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (nW)	Limit (nW)
2412	30 - 1000	753.43	0.013183	4
	1000 - 3000	2564.11	0.012531	20
	3000 - 8000	6705.27	0.031117	20
	8000 - 12500	11839.72	0.017298	20
2442	30 - 1000	689.78	0.012246	4
	1000 - 3000	2653.73	0.014060	20
	3000 - 8000	6261.23	0.033420	20
	8000 - 12500	11568.18	0.021086	20
2472	30 - 1000	943.39	0.011749	4
	1000 - 3000	2702.98	0.012942	20
	3000 - 8000	6889.18	0.037931	20
	8000 - 12500	10279.53	0.018408	20

802.11ax (20 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (nW)	Limit (nW)
2412	30 - 1000	989.83	0.012823	4
	1000 - 3000	2696.85	0.011912	20
	3000 - 8000	6244.98	0.036728	20
	8000 - 12500	11083.46	0.016672	20
2442	30 - 1000	652.65	0.015311	4
	1000 - 3000	2688.54	0.012190	20
	3000 - 8000	6240.13	0.034995	20
	8000 - 12500	10713.34	0.015959	20
2472	30 - 1000	778.10	0.011967	4
	1000 - 3000	2764.48	0.012647	20
	3000 - 8000	6950.11	0.037844	20
	8000 - 12500	12141.07	0.019187	20

802.11ax (40 MHz)				
Frequency (MHz)	Frequency Range (MHz)	Frequency (MHz)	Reading Value (nW)	Limit (nW)
2422	30 - 1000	815.96	0.013646	4
	1000 - 3000	2128.12	0.013092	20
	3000 - 8000	6789.02	0.027990	20
	8000 - 12500	12128.83	0.016520	20
2442	30 - 1000	958.19	0.012503	4
	1000 - 3000	2717.98	0.012331	20
	3000 - 8000	6999.48	0.029648	20
	8000 - 12500	10273.34	0.015311	20
2462	30 - 1000	675.83	0.011143	4
	1000 - 3000	2649.11	0.012134	20
	3000 - 8000	6379.82	0.033806	20
	8000 - 12500	11160.24	0.019999	20

**802.11b (20 MHz) / 2412 MHz****802.11b (20 MHz) / 2412 MHz****802.11b (20 MHz) / 2412 MHz****802.11b (20 MHz) / 2412 MHz****802.11b (20 MHz) / 2442 MHz****802.11b (20 MHz) / 2442 MHz**

**802.11b (20 MHz) / 2442 MHz****802.11b (20 MHz) / 2442 MHz****802.11b (20 MHz) / 2472 MHz****802.11b (20 MHz) / 2472 MHz****802.11b (20 MHz) / 2472 MHz****802.11b (20 MHz) / 2472 MHz**

**802.11g (20 MHz) / 2412 MHz****802.11g (20 MHz) / 2412 MHz****802.11g (20 MHz) / 2412 MHz****802.11g (20 MHz) / 2412 MHz****802.11g (20 MHz) / 2442 MHz****802.11g (20 MHz) / 2442 MHz**