

Appendix: 5G Wi-Fi Band 1

Contents

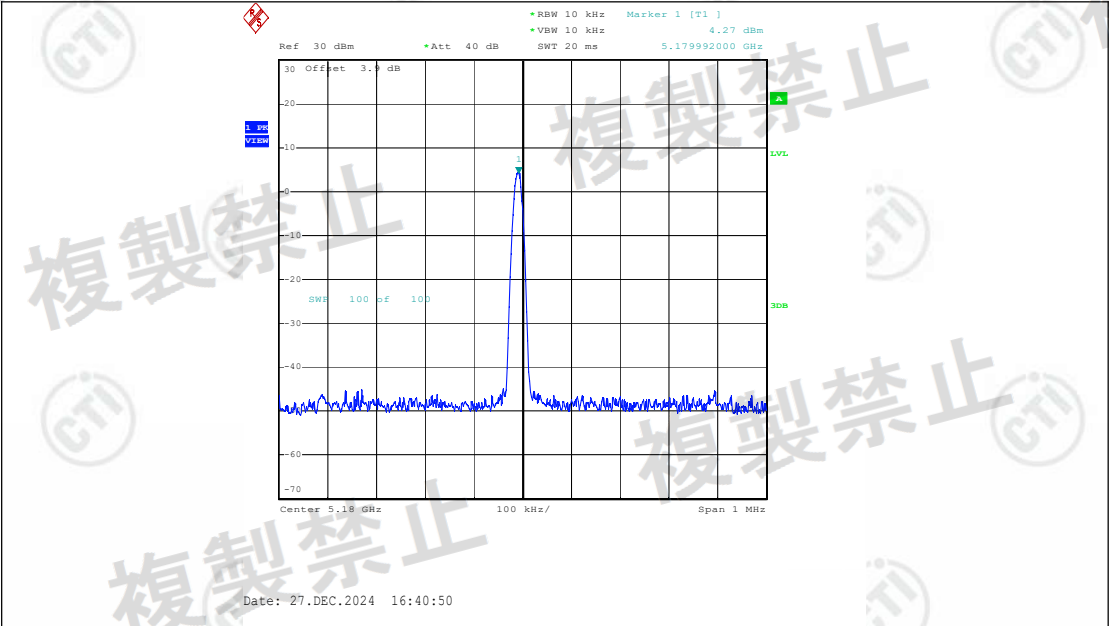
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Appendix A: Frequency Error

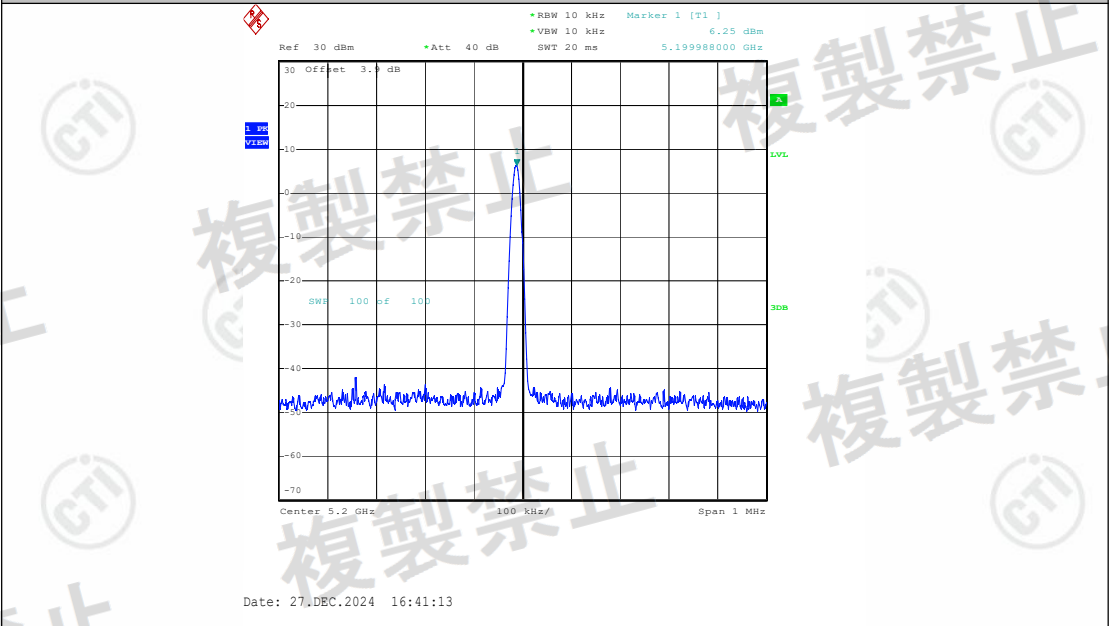
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Center Freq [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	CW	Ant1	5180	5179.992	-1.54440	±20	PASS
NTNV	CW	Ant1	5200	5199.988	-2.30769	±20	PASS
NTNV	CW	Ant1	5220	5219.986	-2.68199	±20	PASS
NTNV	CW	Ant1	5240	5239.985	-2.86260	±20	PASS

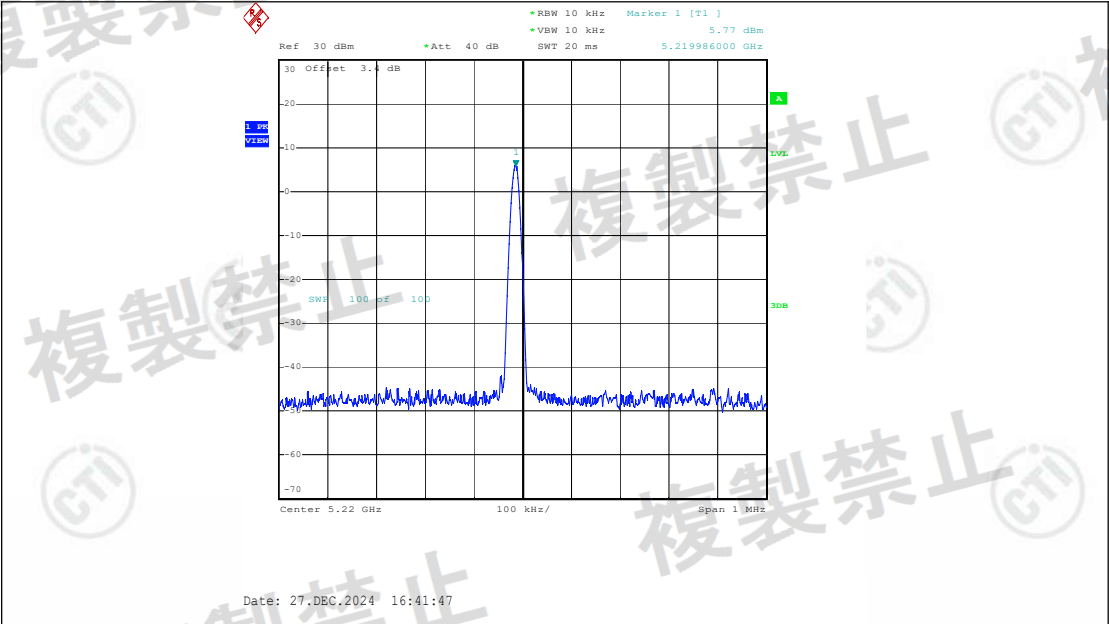
Test Graphs



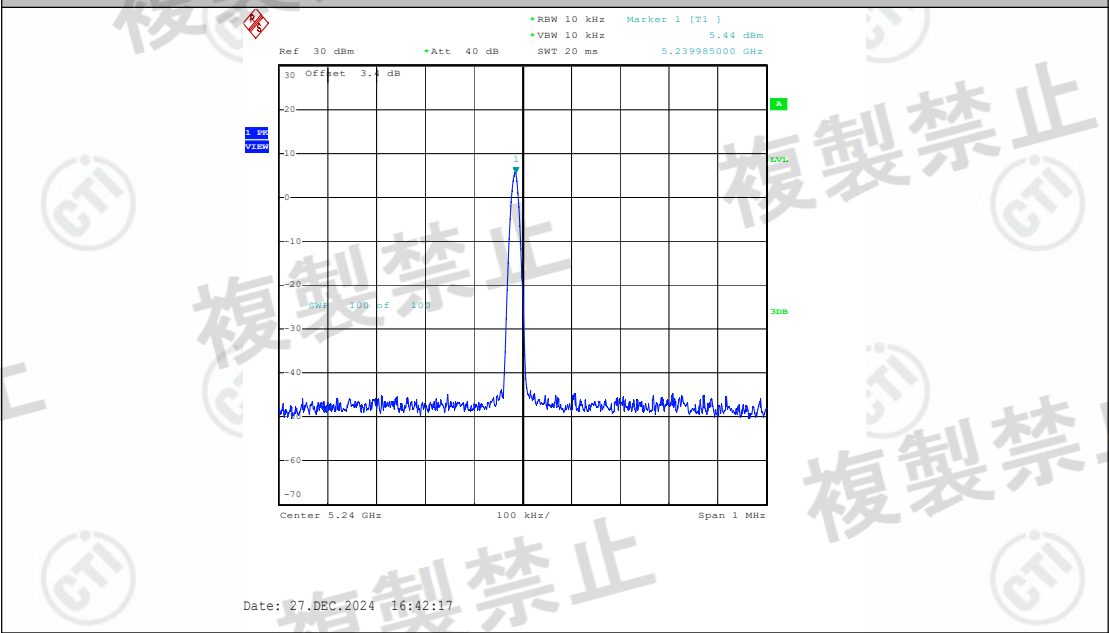
NTNV-CW-Ant1-5180-PASS



NTNV-CW-Ant1-5200-PASS



NTNV-CW-Ant1-5220-PASS



NTNV-CW-Ant1-5240-PASS

Appendix B: Antenna Power

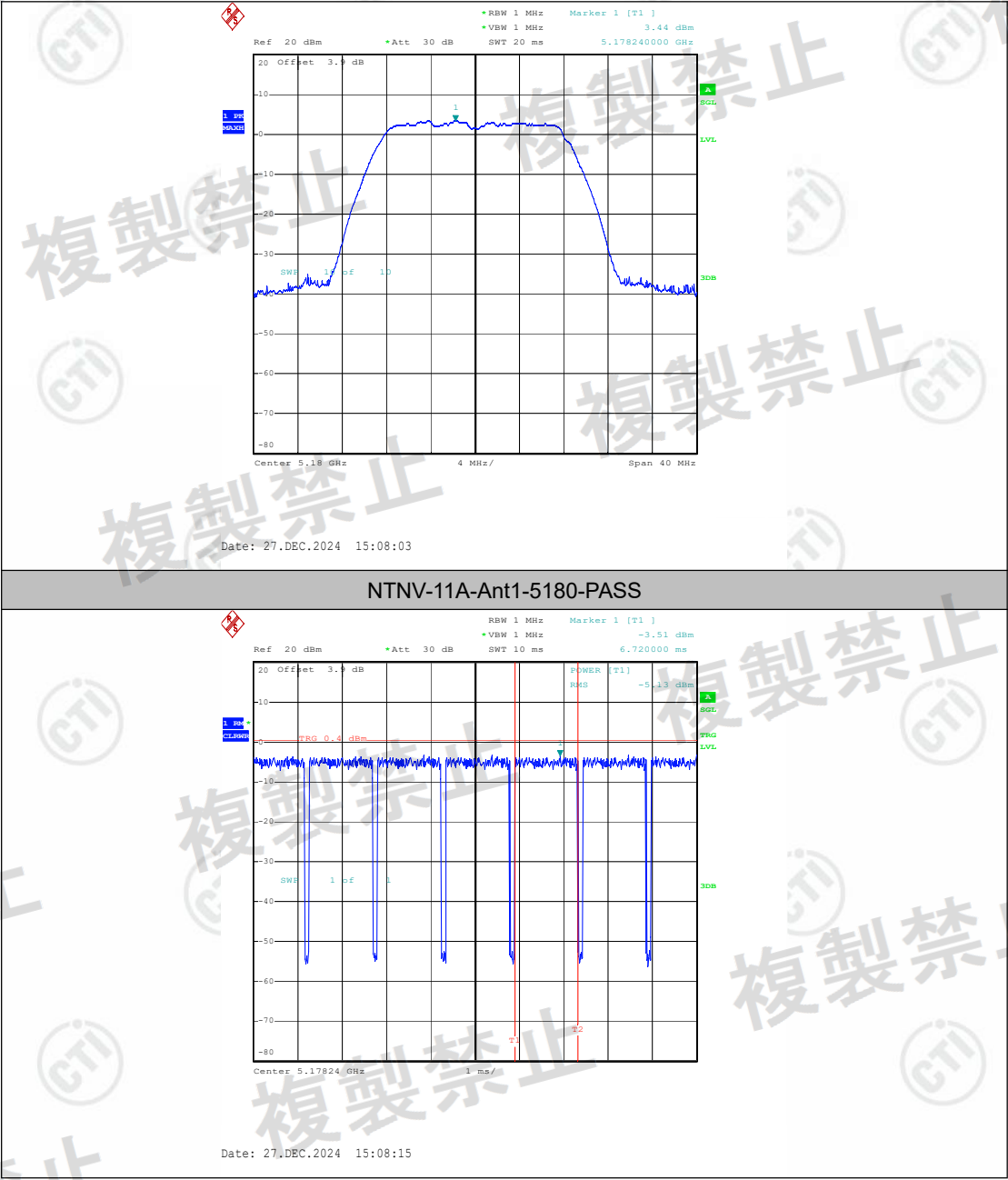
Test Result

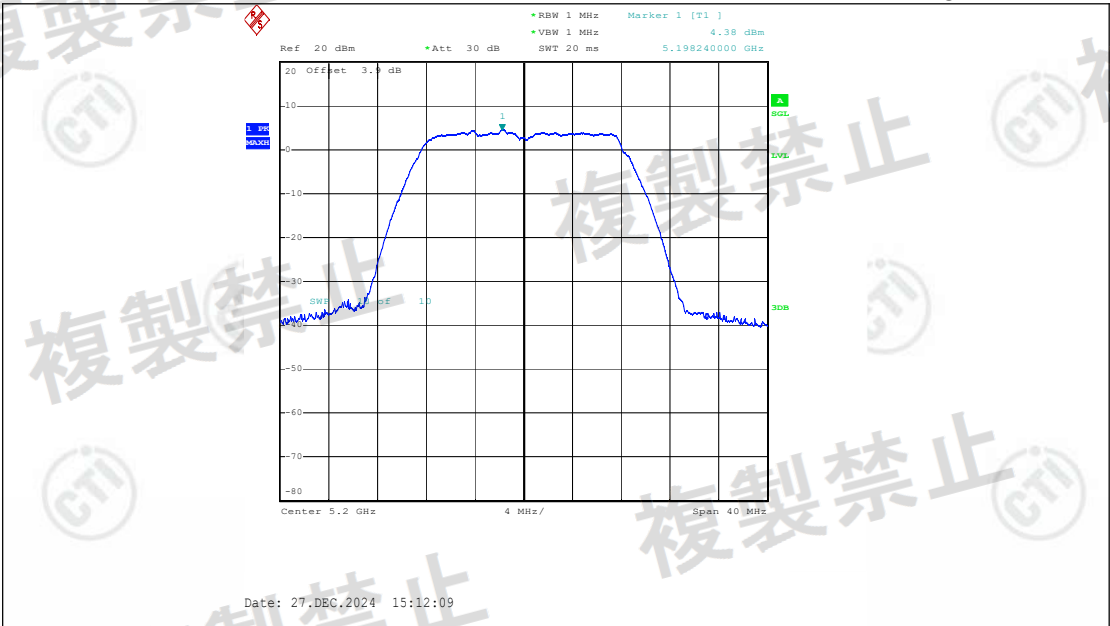
Test Condition	TestMode	Antenna	Frequency[MHz]	Result(dBm)	Result(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	11A	Ant1	5180	-5.13	0.3069	≤10	PASS
NTNV	11A	Ant1	5200	-4.19	0.3811	≤10	PASS
NTNV	11A	Ant1	5220	-4.52	0.3532	≤10	PASS
NTNV	11A	Ant1	5240	-4.41	0.3622	≤10	PASS
NTNV	11N20SISO	Ant1	5180	-5.34	0.2924	≤10	PASS
NTNV	11N20SISO	Ant1	5200	-4.31	0.3707	≤10	PASS
NTNV	11N20SISO	Ant1	5220	-5.48	0.2831	≤10	PASS
NTNV	11N20SISO	Ant1	5240	-5.39	0.2891	≤10	PASS
NTNV	11AC20SISO	Ant1	5180	-5.28	0.2965	≤10	PASS
NTNV	11AC20SISO	Ant1	5200	-5.80	0.2630	≤10	PASS
NTNV	11AC20SISO	Ant1	5220	-5.58	0.2767	≤10	PASS
NTNV	11AC20SISO	Ant1	5240	-5.54	0.2793	≤10	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Power (mW/MHz)	Rated Power (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11A	Ant1	5180	0.3069	0.35	-12.31	-80 to +20	PASS
NTNV	11A	Ant1	5200	0.3811	0.35	8.89	-80 to +20	PASS
NTNV	11A	Ant1	5220	0.3532	0.35	0.91	-80 to +20	PASS
NTNV	11A	Ant1	5240	0.3622	0.35	3.49	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5180	0.2924	0.35	-16.46	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5200	0.3707	0.35	5.91	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5220	0.2831	0.35	-19.11	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5240	0.2891	0.35	-17.40	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5180	0.2965	0.35	-15.29	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5200	0.2630	0.35	-24.86	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5220	0.2767	0.35	-20.94	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5240	0.2793	0.35	-20.20	-80 to +20	PASS

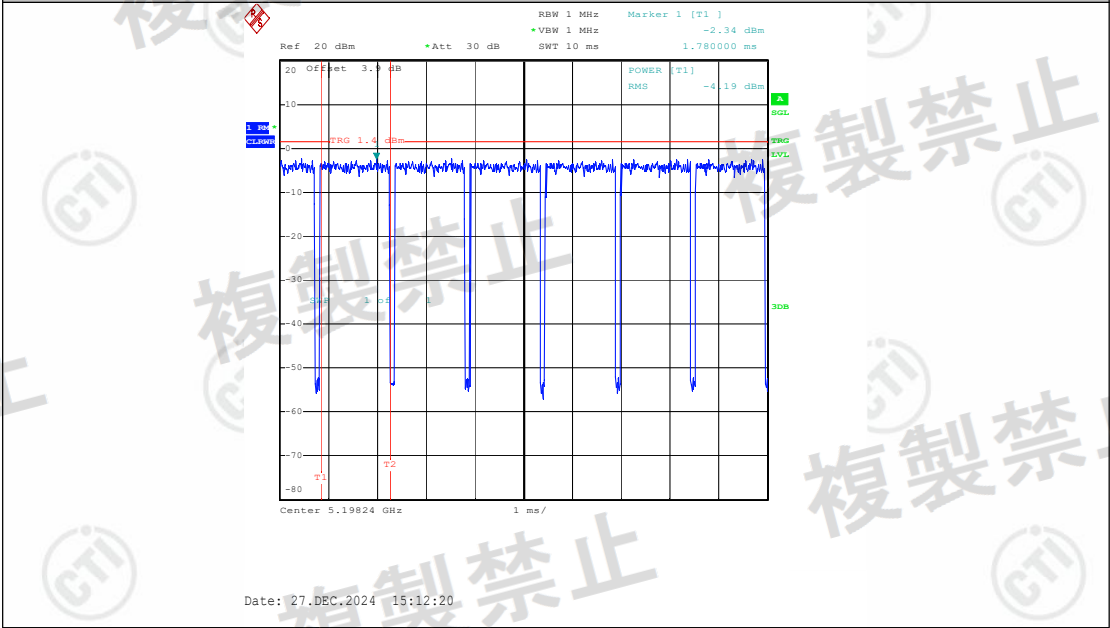
Test Condition	TestMode	Antenna	Frequency[MHz]	Result(mW/MHz)	EIRP(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	11A	Ant1	5180	0.3069	0.4178	≤10	PASS
NTNV	11A	Ant1	5200	0.3811	0.5188	≤10	PASS
NTNV	11A	Ant1	5220	0.3532	0.4808	≤10	PASS
NTNV	11A	Ant1	5240	0.3622	0.4932	≤10	PASS
NTNV	11N20SISO	Ant1	5180	0.2924	0.3981	≤10	PASS
NTNV	11N20SISO	Ant1	5200	0.3707	0.5047	≤10	PASS
NTNV	11N20SISO	Ant1	5220	0.2831	0.3855	≤10	PASS
NTNV	11N20SISO	Ant1	5240	0.2891	0.3936	≤10	PASS
NTNV	11AC20SISO	Ant1	5180	0.2965	0.4036	≤10	PASS
NTNV	11AC20SISO	Ant1	5200	0.2630	0.3581	≤10	PASS
NTNV	11AC20SISO	Ant1	5220	0.2767	0.3767	≤10	PASS
NTNV	11AC20SISO	Ant1	5240	0.2793	0.3802	≤10	PASS

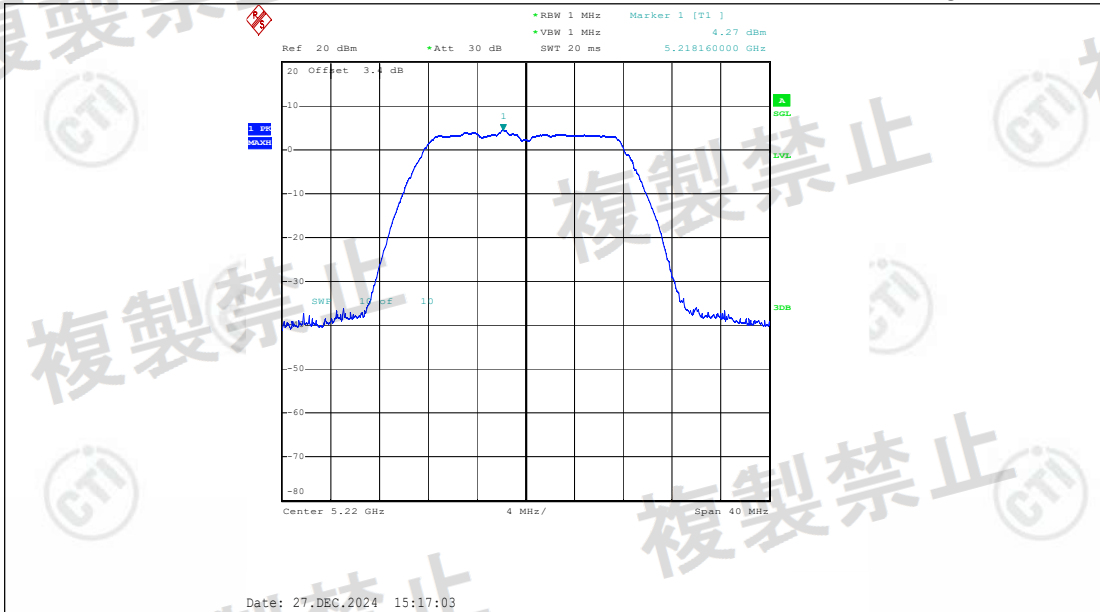
Test Graphs



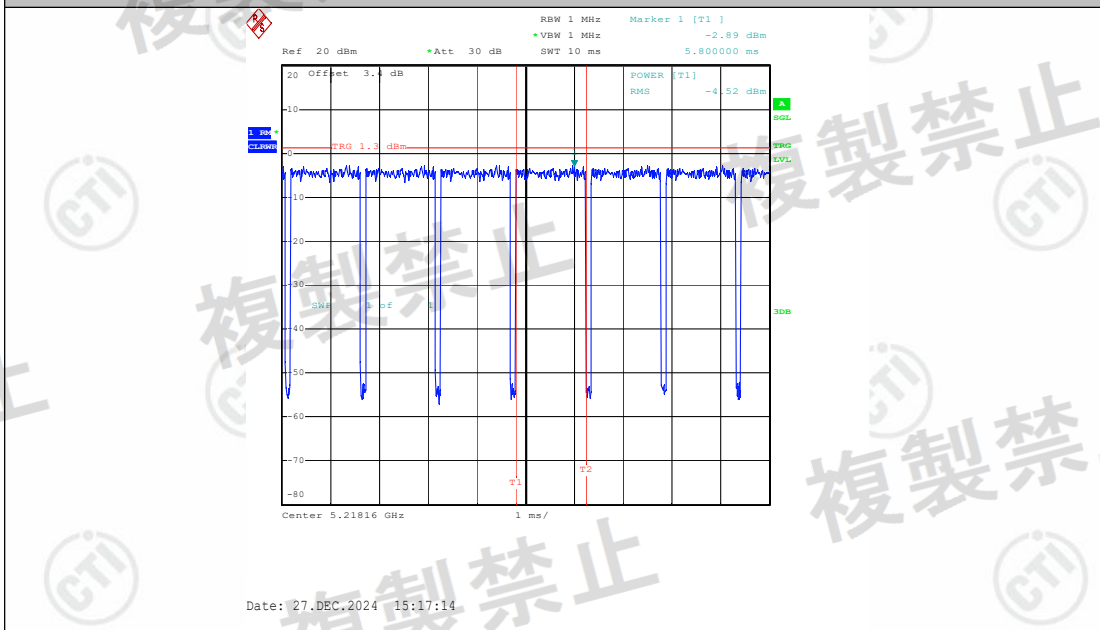


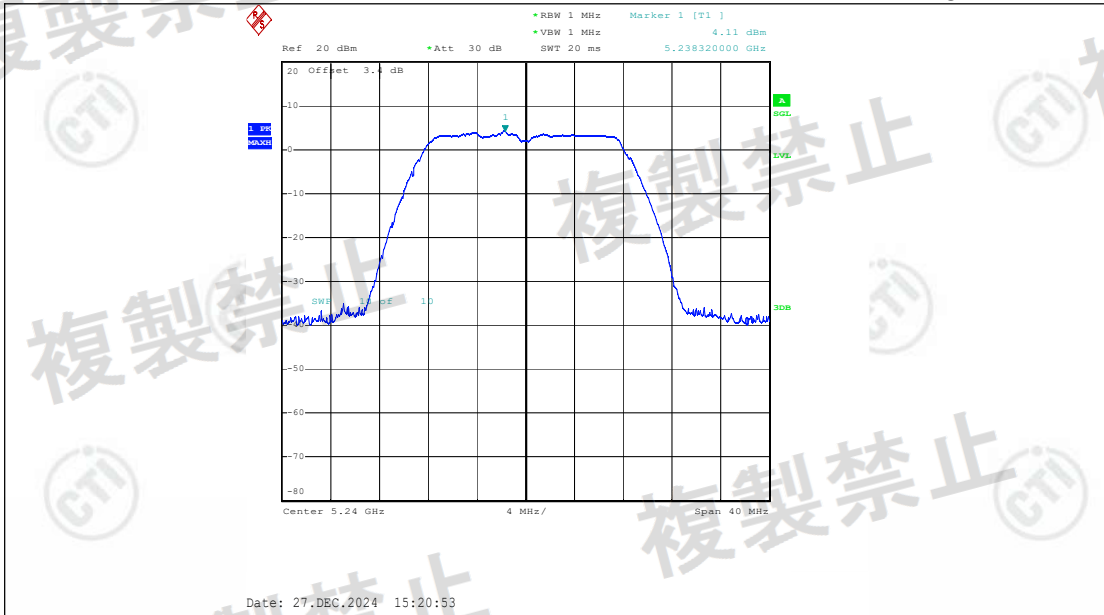
NTNV-11A-Ant1-5200-PASS



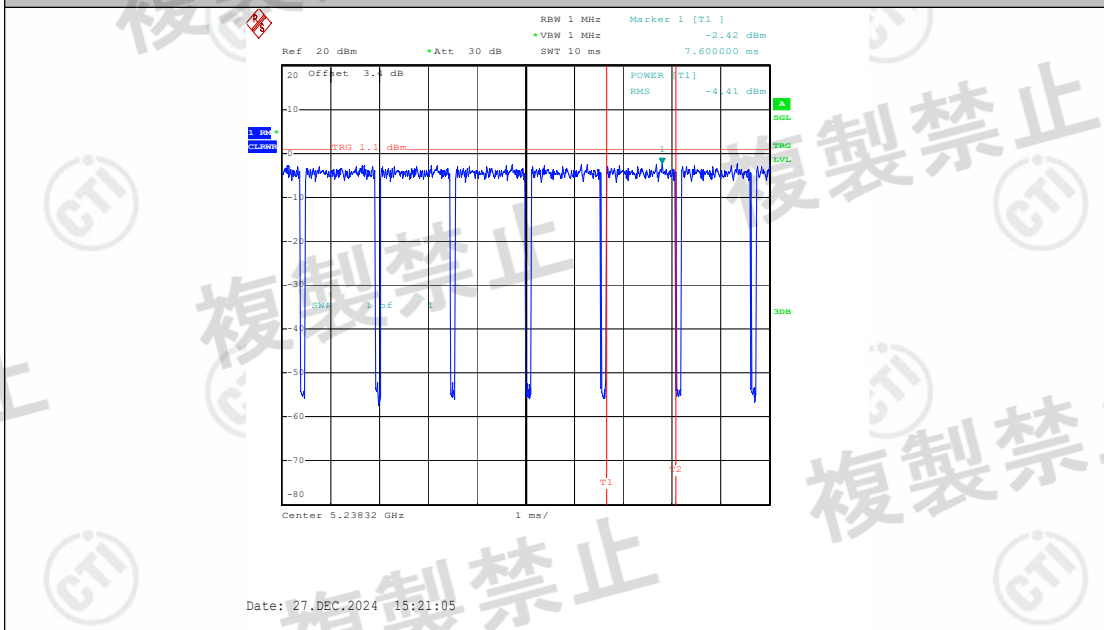


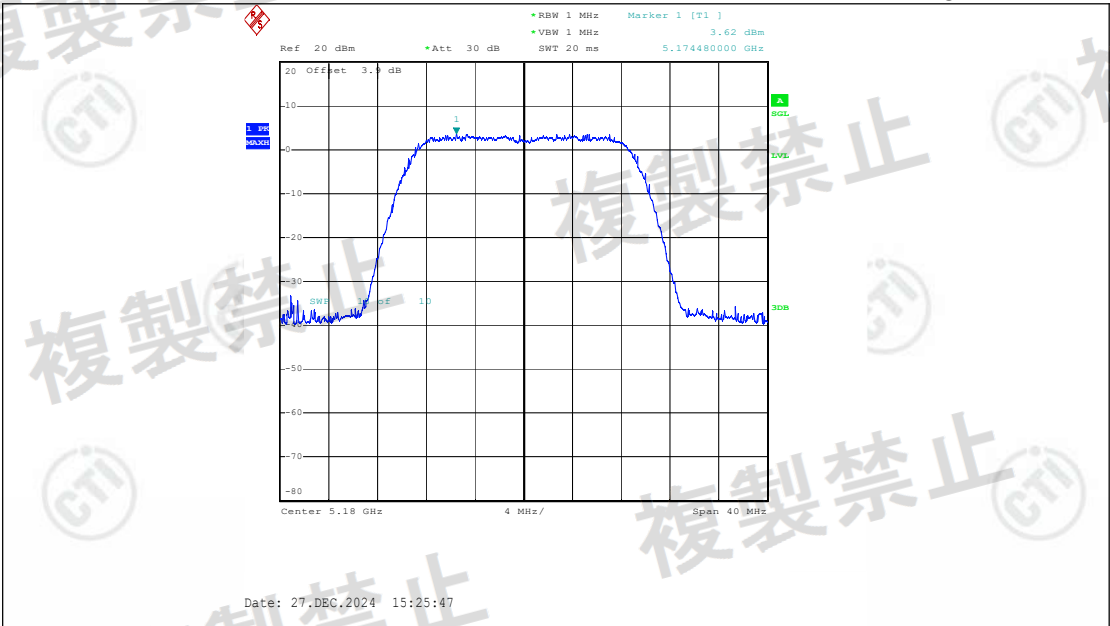
NTNV-11A-Ant1-5220-PASS



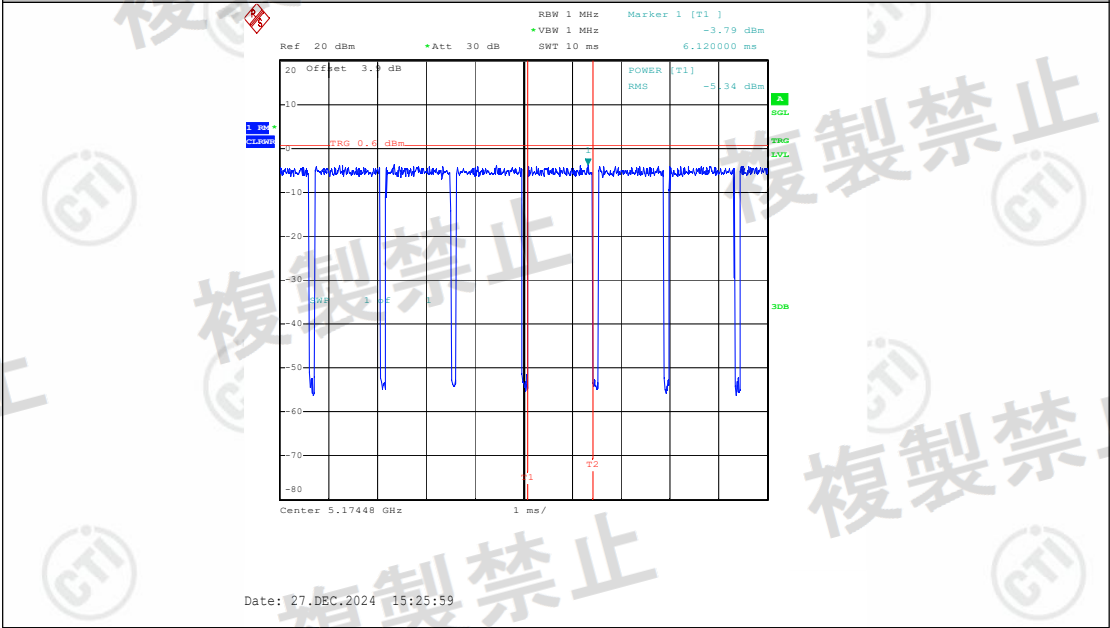


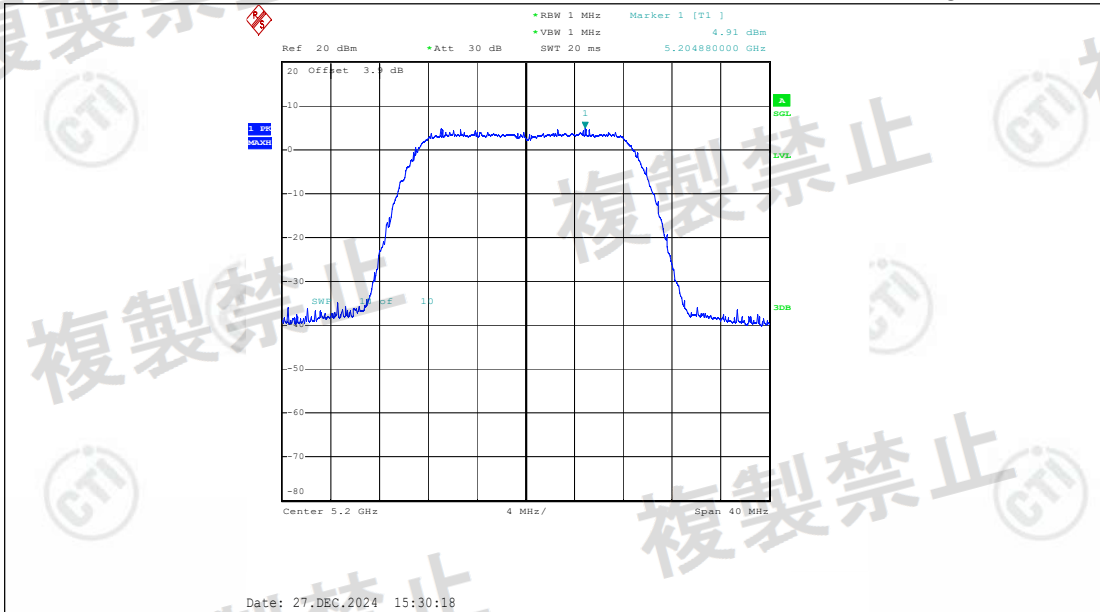
NTNV-11A-Ant1-5240-PASS



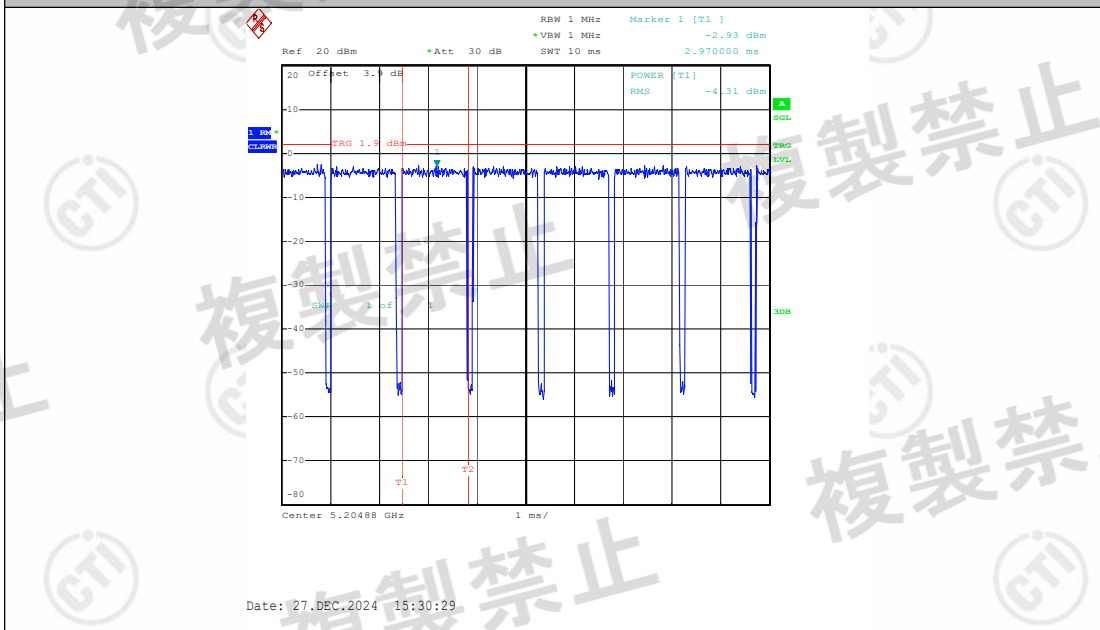


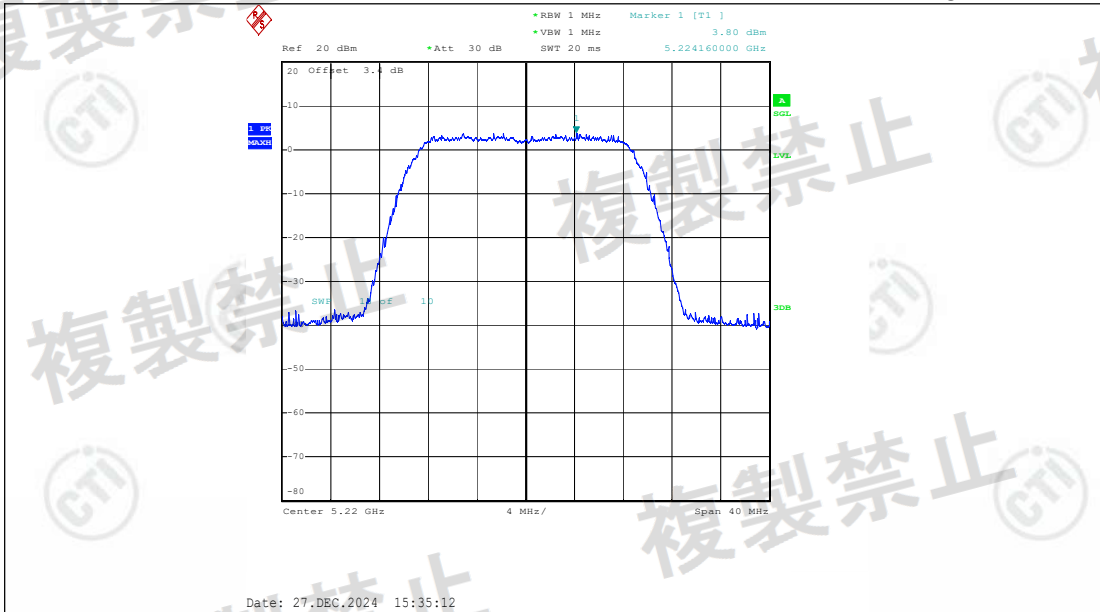
NTNV-11N20SISO-Ant1-5180-PASS



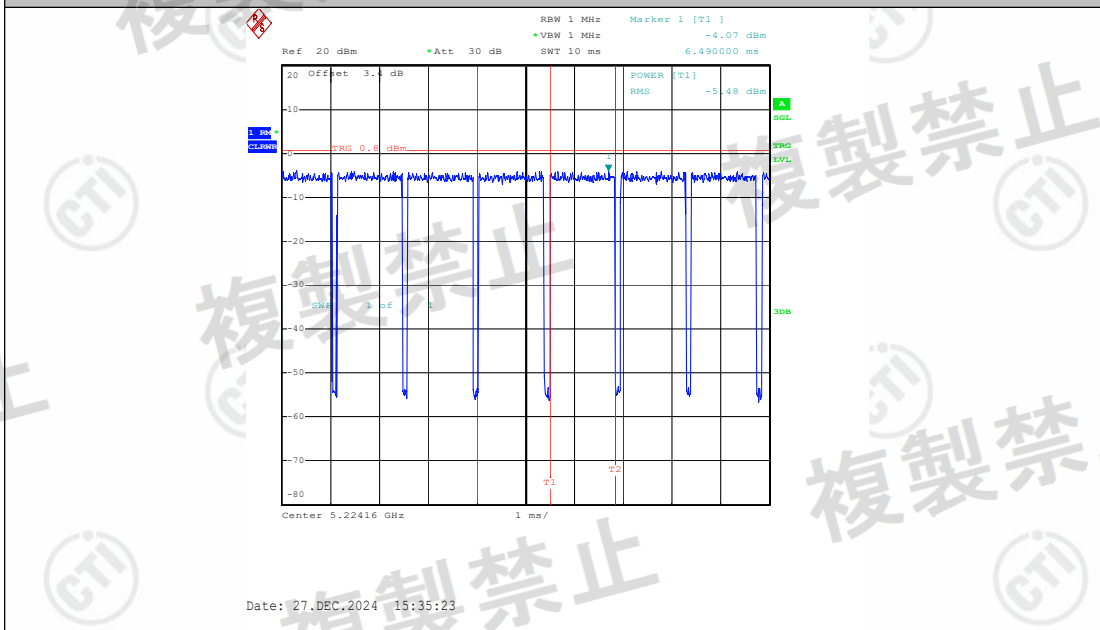


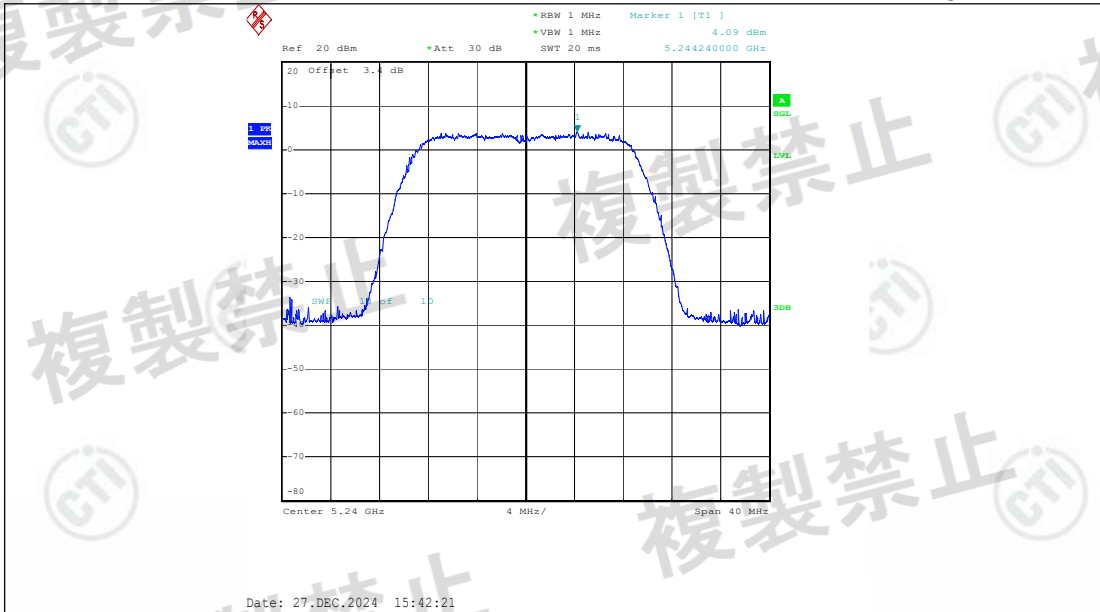
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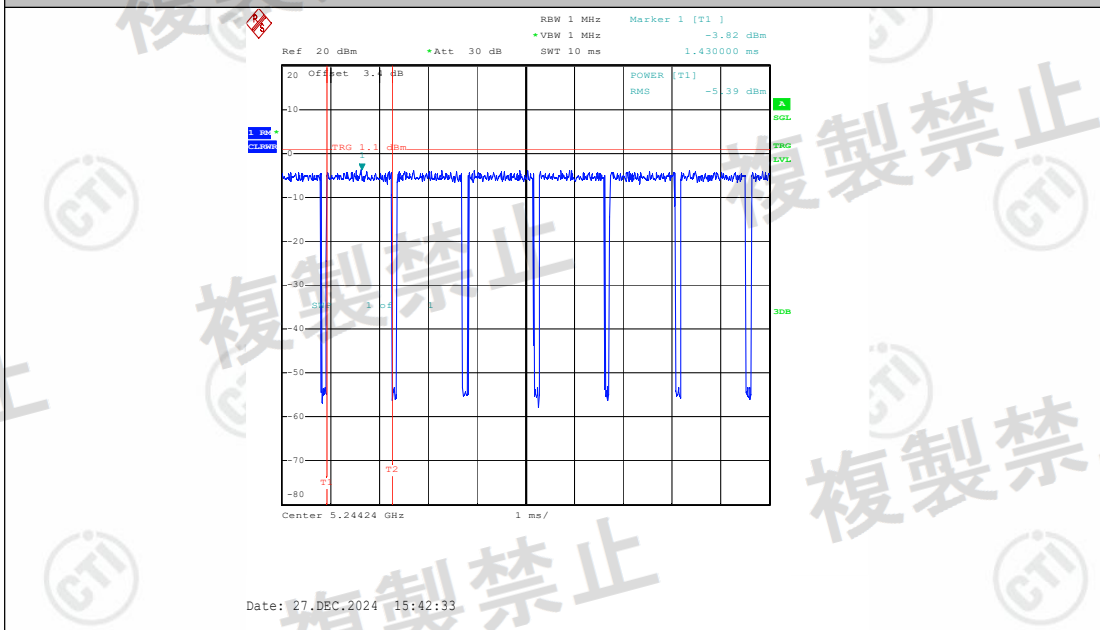


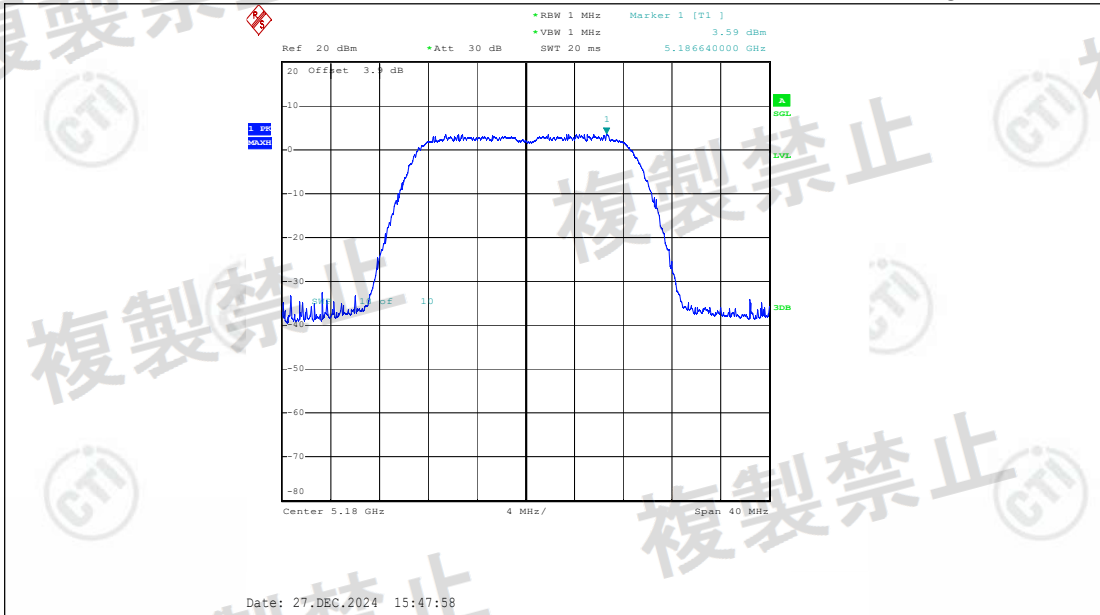
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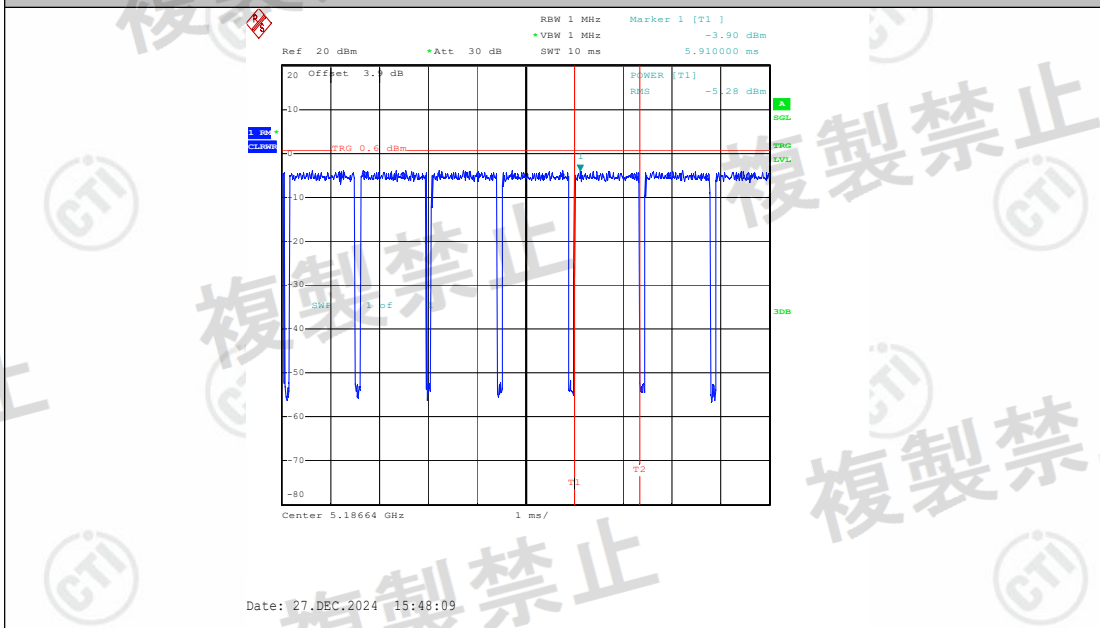


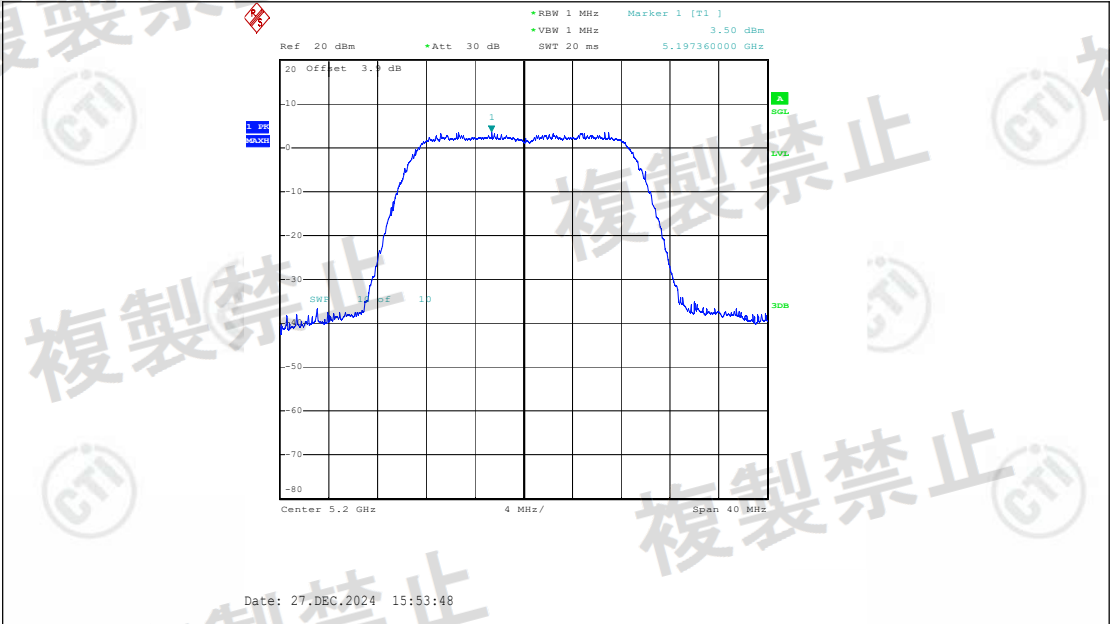
NTNV-11N20SISO-Ant1-5240-PASS



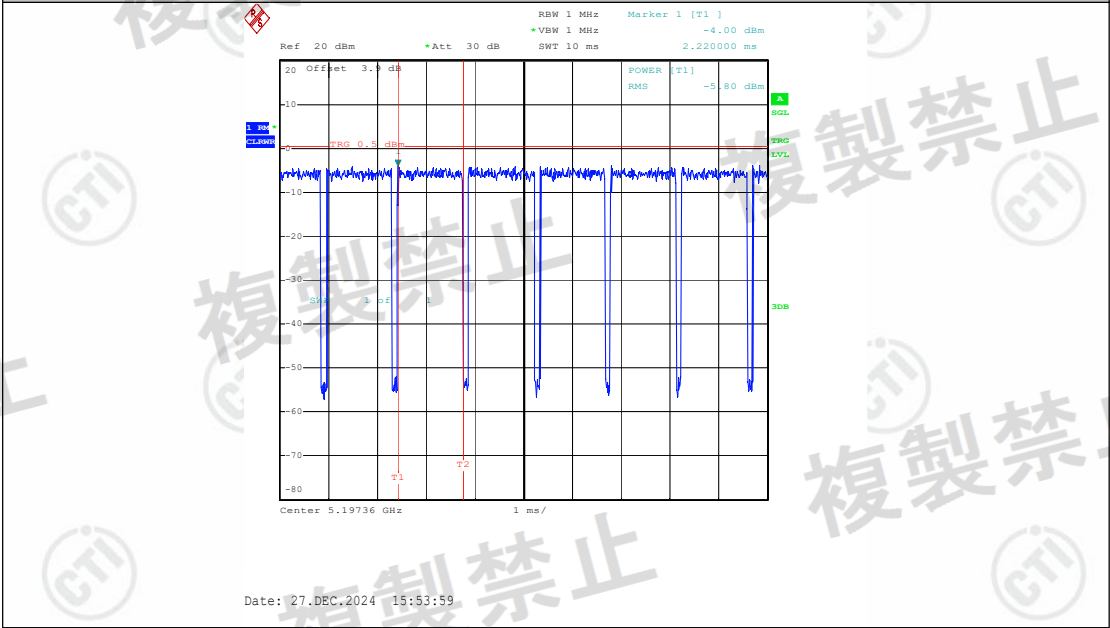


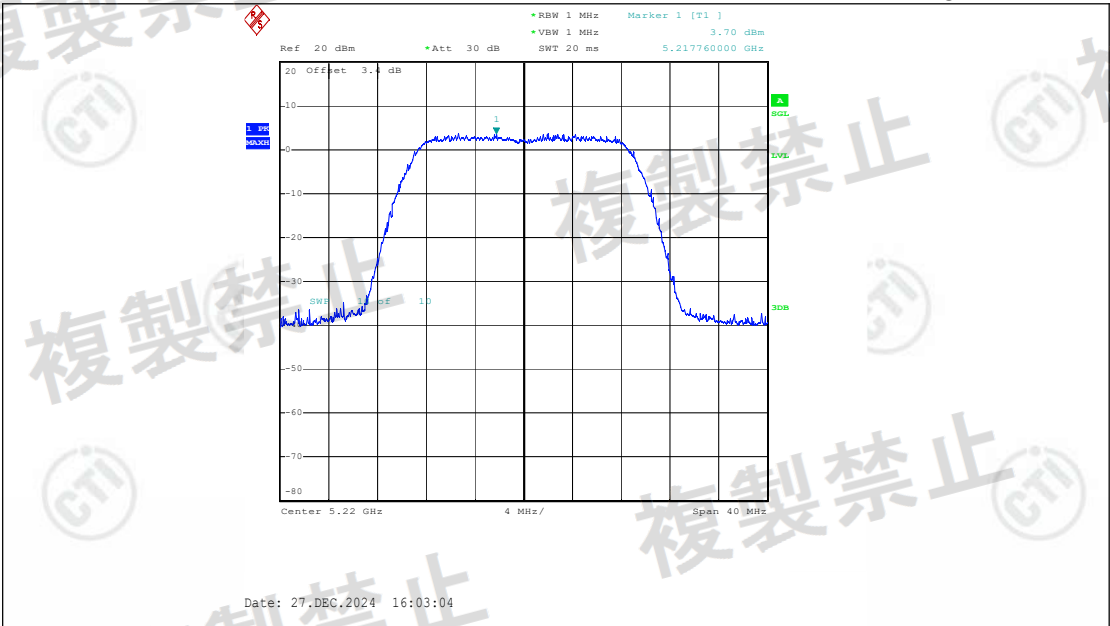
NTNV-11AC20SISO-Ant1-5180-PASS



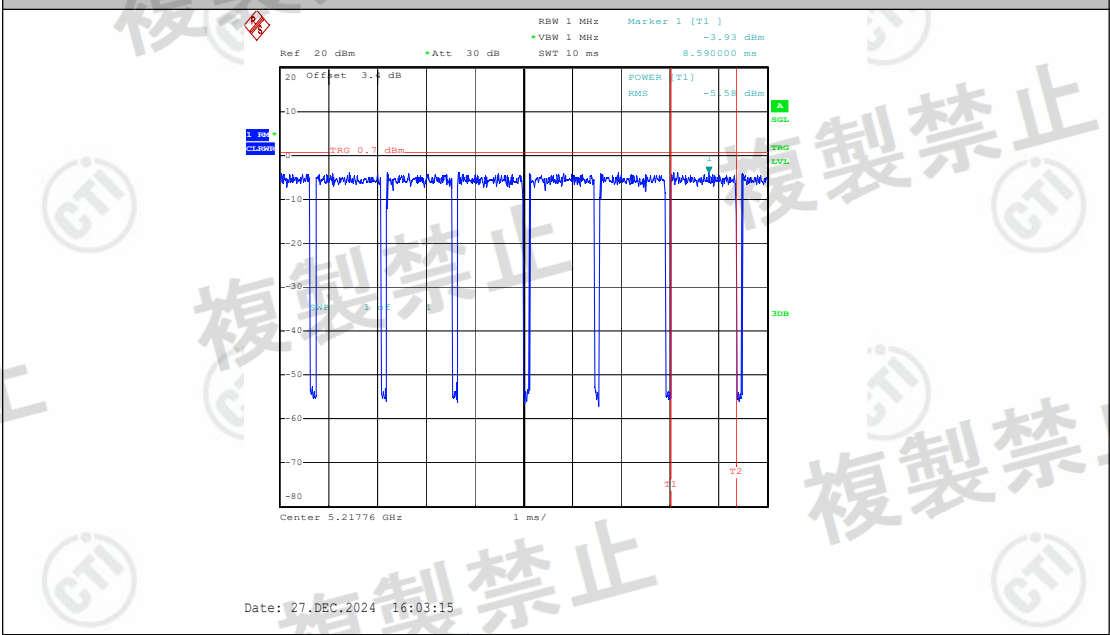


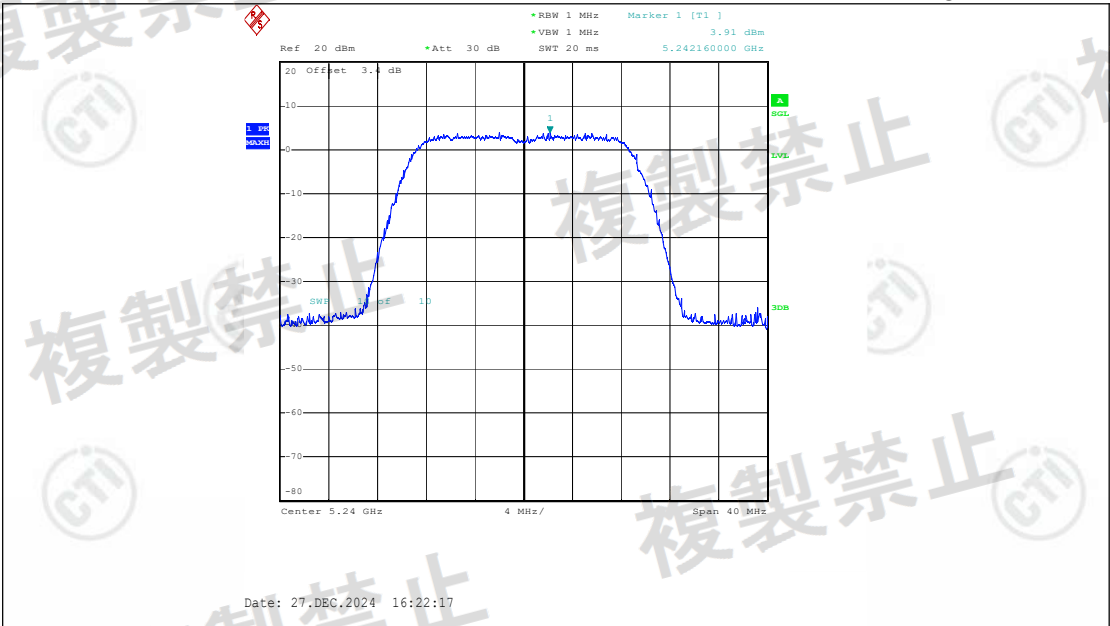
NTNV-11AC20SISO-Ant1-5200-PASS



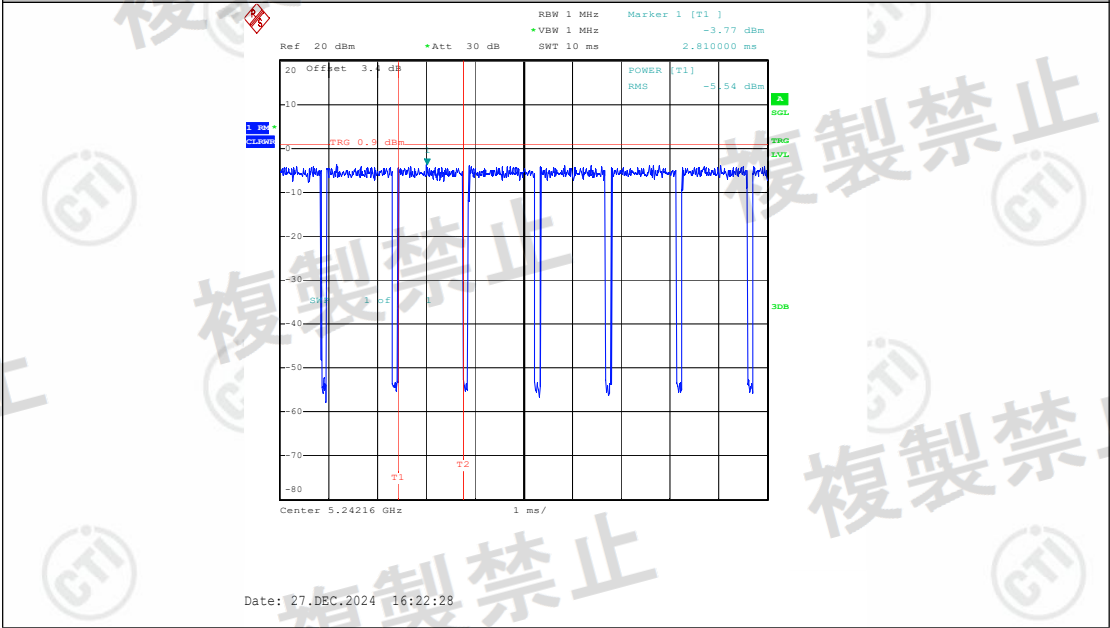


NTNV-11AC20SISO-Ant1-5220-PASS





NTNV-11AC20SISO-Ant1-5240-PASS

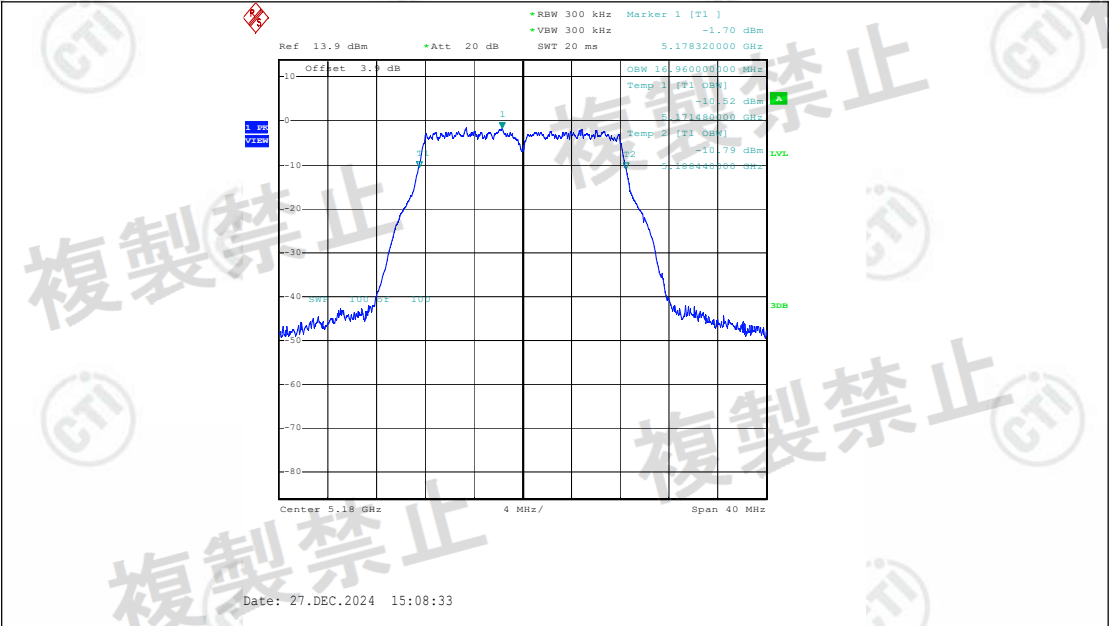


Appendix C: Occupied Bandwidth

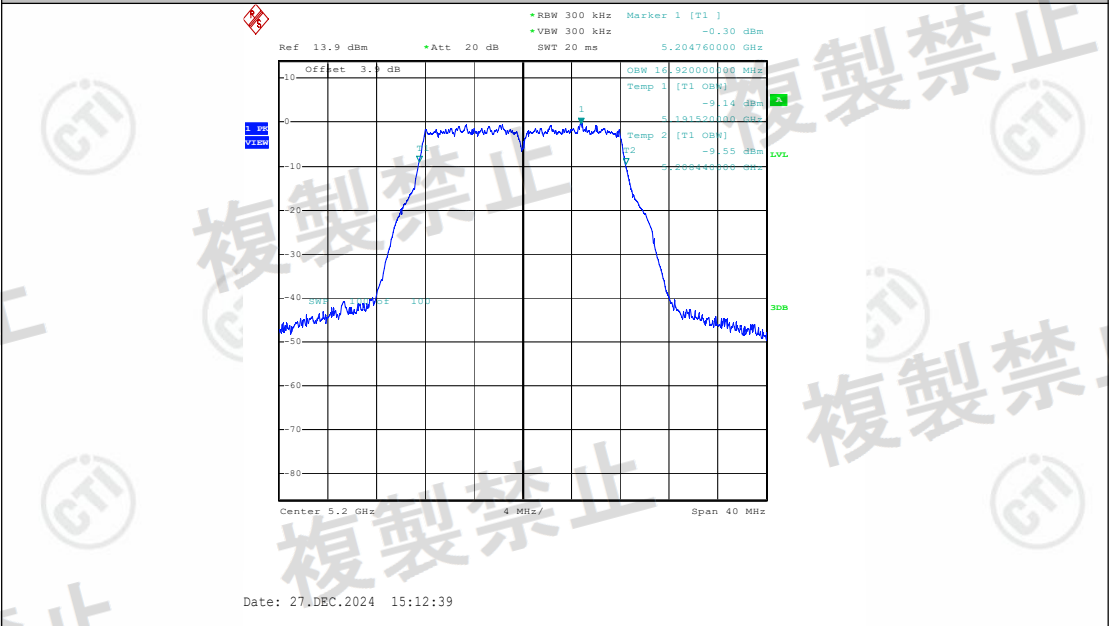
Test Result

Test Conditio n	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant1	5180	16.960	≤20	PASS
NTNV	11A	Ant1	5200	16.920	≤20	PASS
NTNV	11A	Ant1	5220	16.920	≤20	PASS
NTNV	11A	Ant1	5240	16.960	≤20	PASS
NTNV	11N20SISO	Ant1	5180	18.120	≤20	PASS
NTNV	11N20SISO	Ant1	5200	18.080	≤20	PASS
NTNV	11N20SISO	Ant1	5220	18.040	≤20	PASS
NTNV	11N20SISO	Ant1	5240	18.080	≤20	PASS
NTNV	11AC20SISO	Ant1	5180	18.120	≤20	PASS
NTNV	11AC20SISO	Ant1	5200	18.080	≤20	PASS
NTNV	11AC20SISO	Ant1	5220	18.040	≤20	PASS
NTNV	11AC20SISO	Ant1	5240	18.080	≤20	PASS

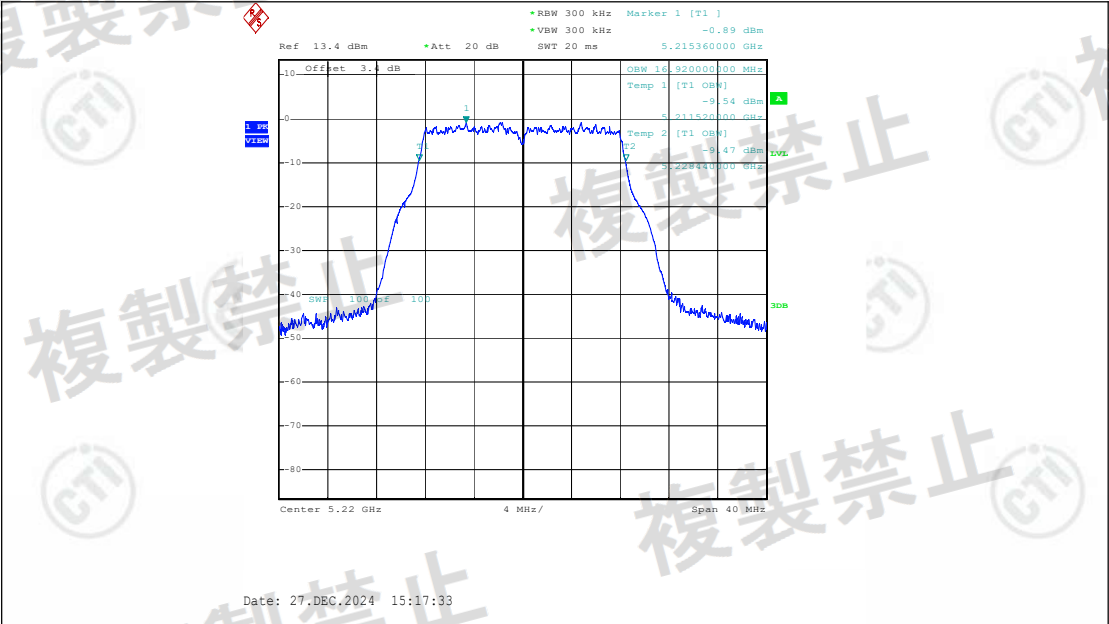
Test Graphs



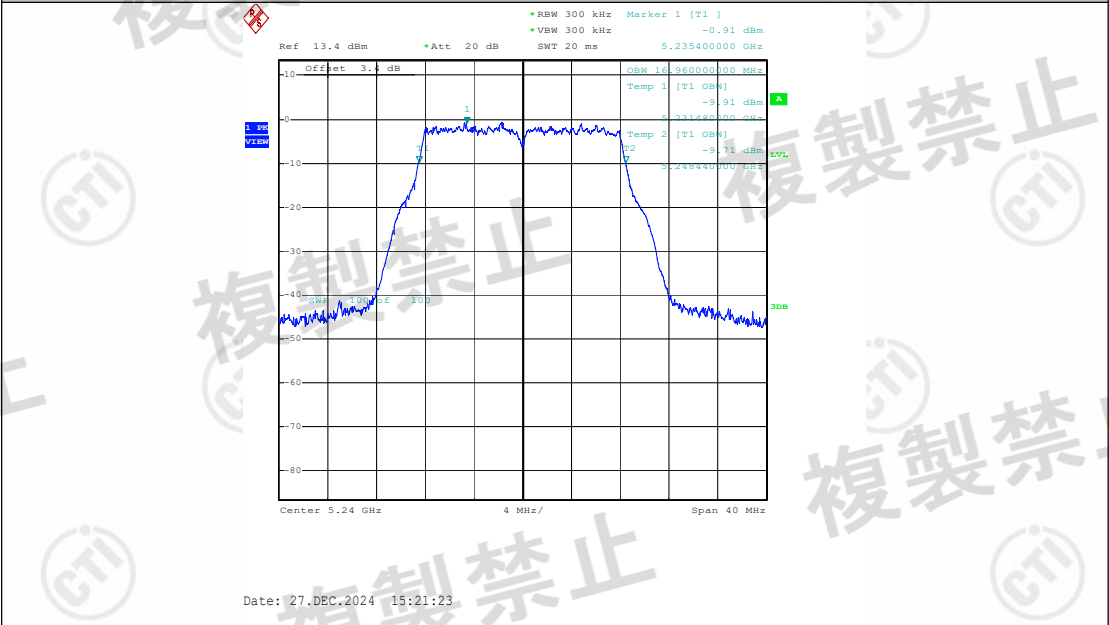
NTNV-11A-Ant1-5180-PASS



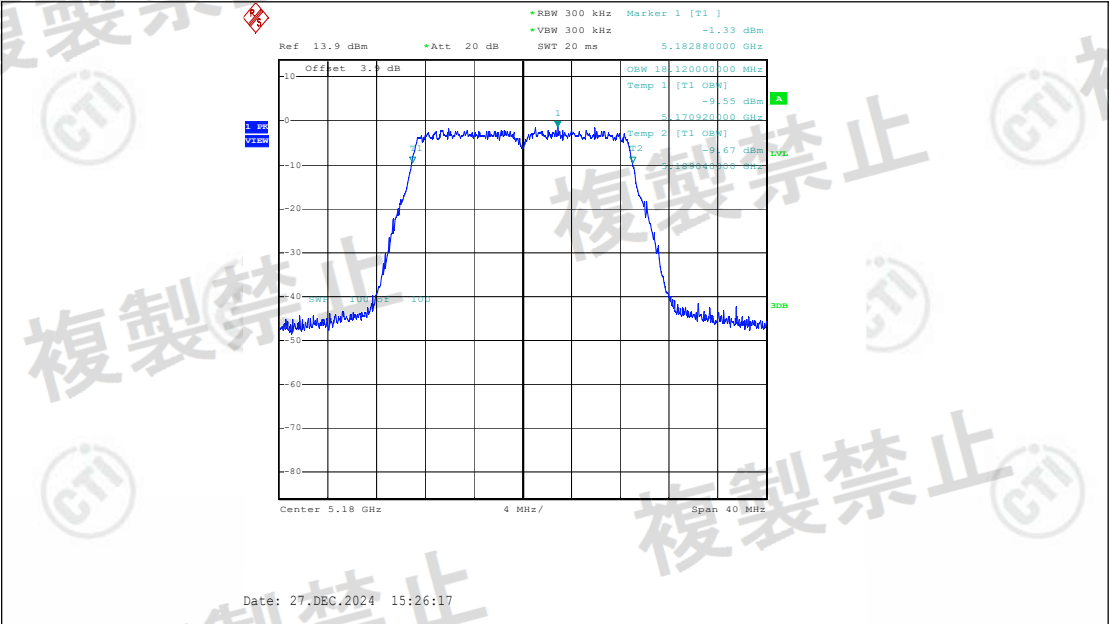
NTNV-11A-Ant1-5200-PASS



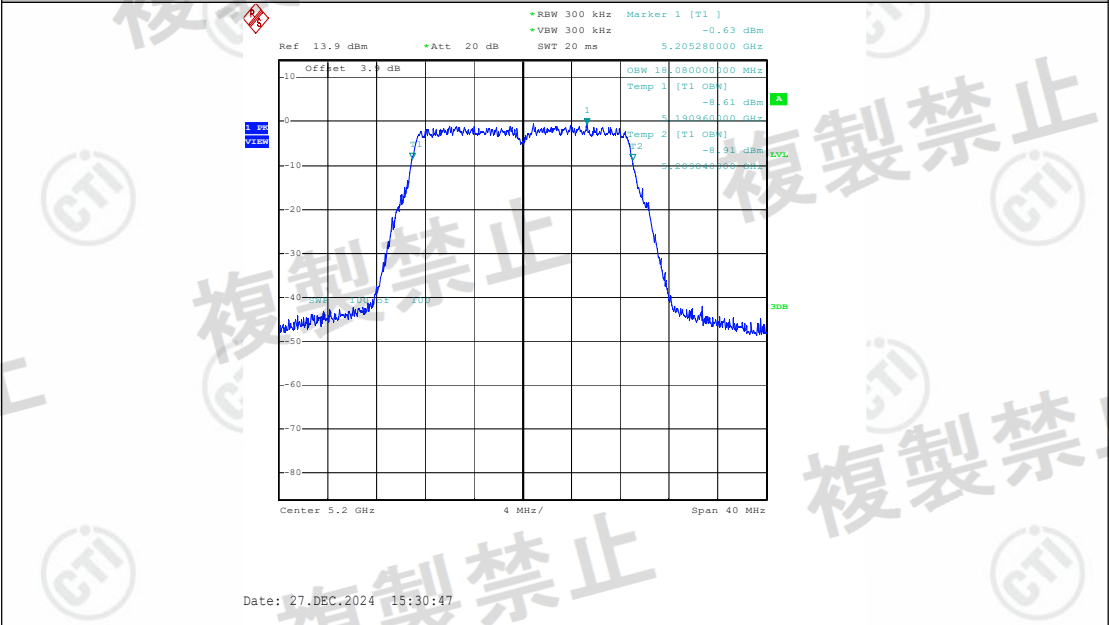
NTNV-11A-Ant1-5220-PASS



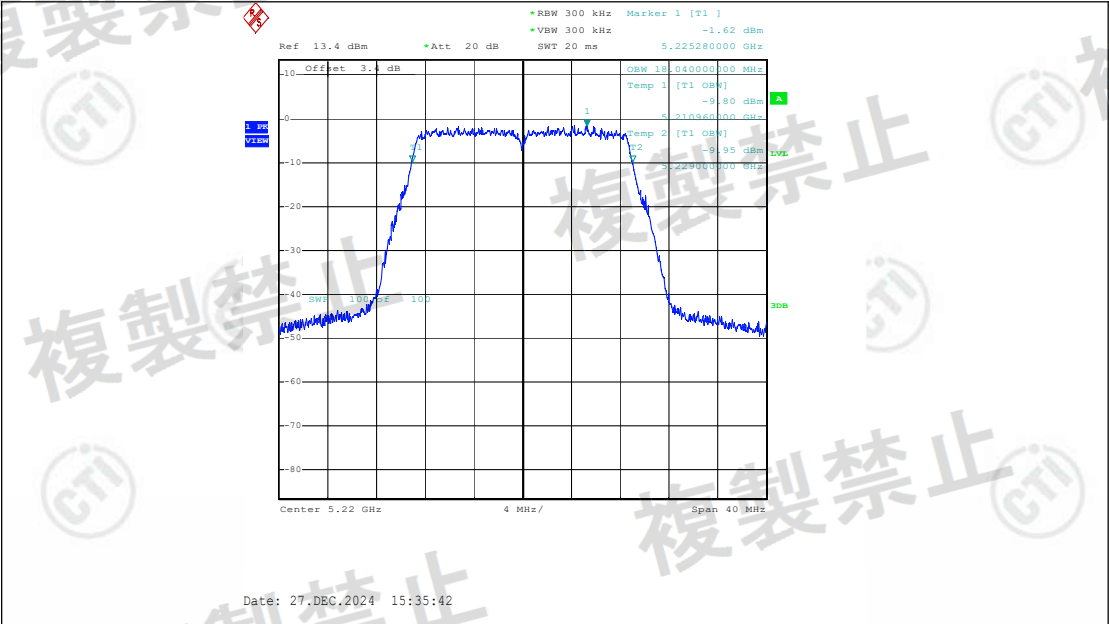
NTNV-11A-Ant1-5240-PASS



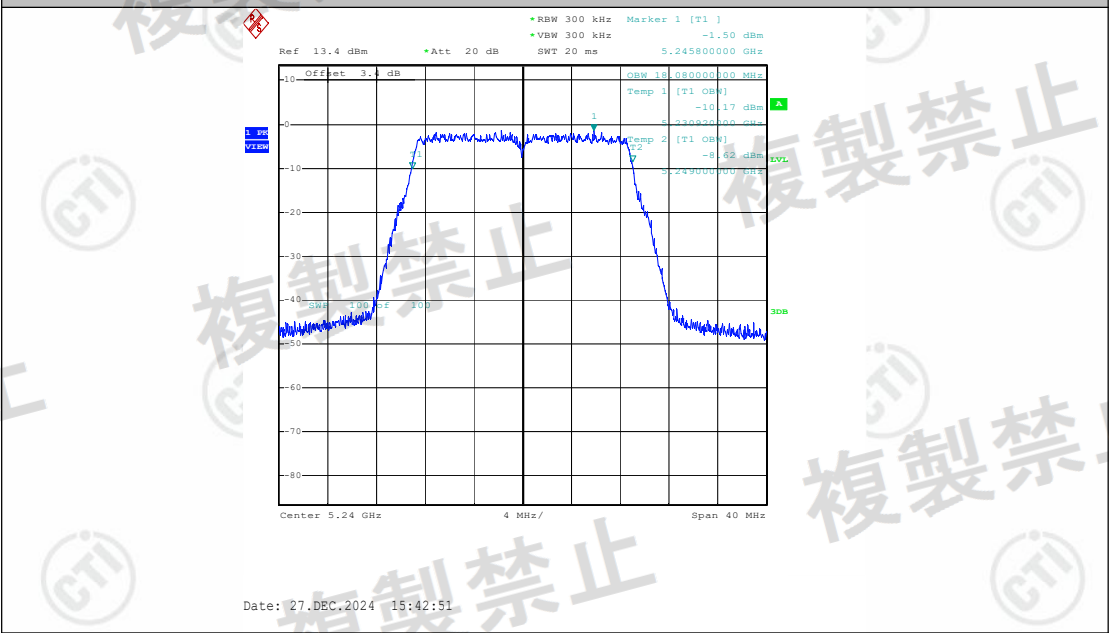
NTNV-11N20SISO-Ant1-5180-PASS



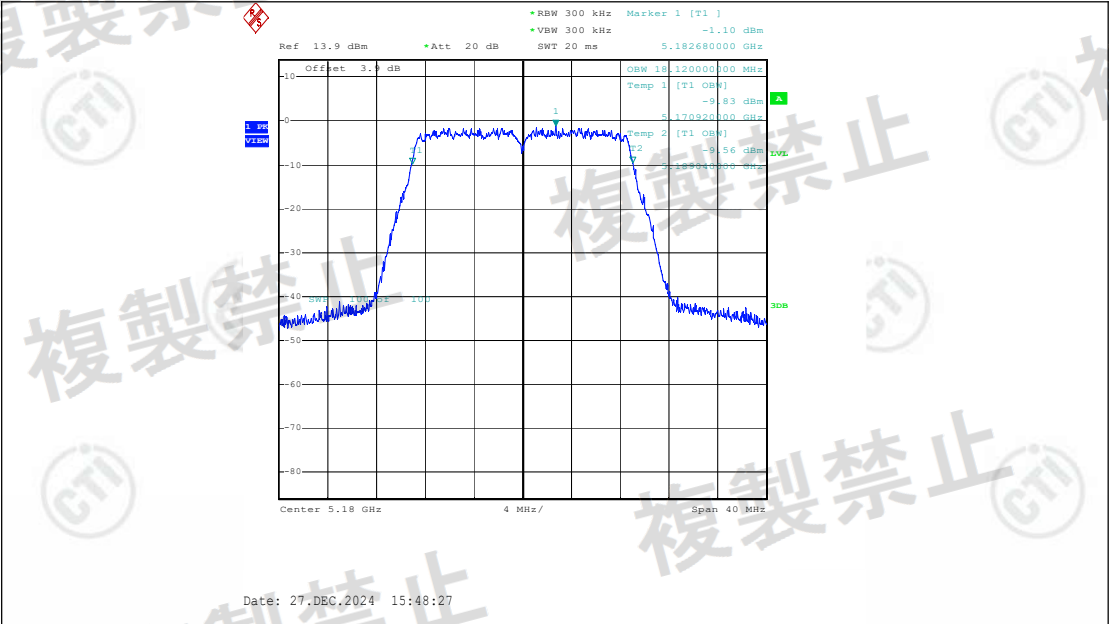
NTNV-11N20SISO-Ant1-5200-PASS



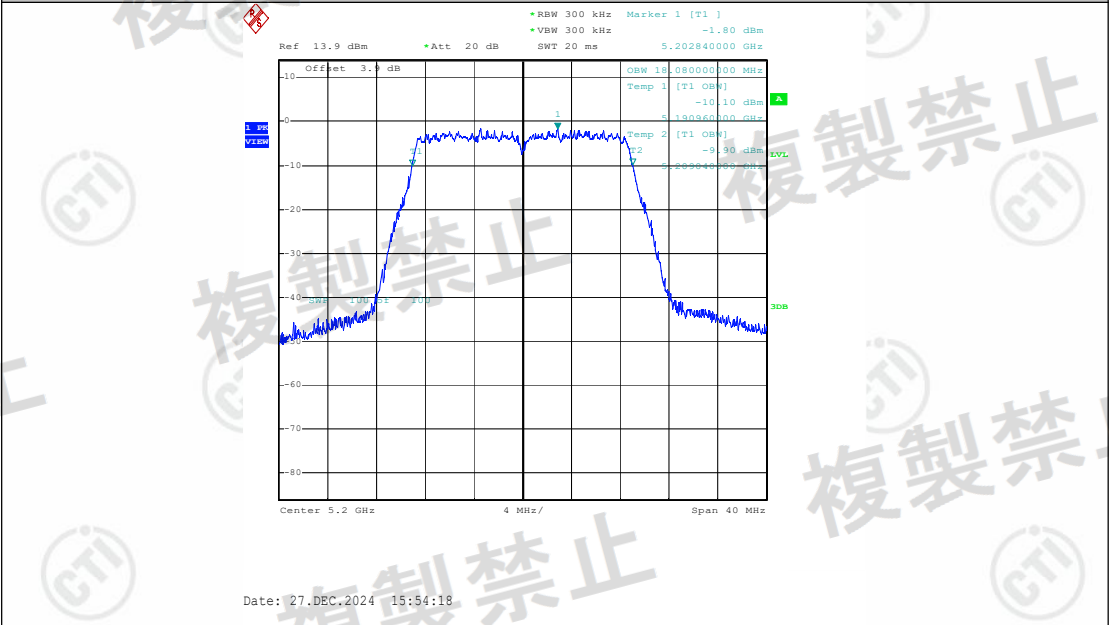
NTVN-11N20SISO-Ant1-5220-PASS



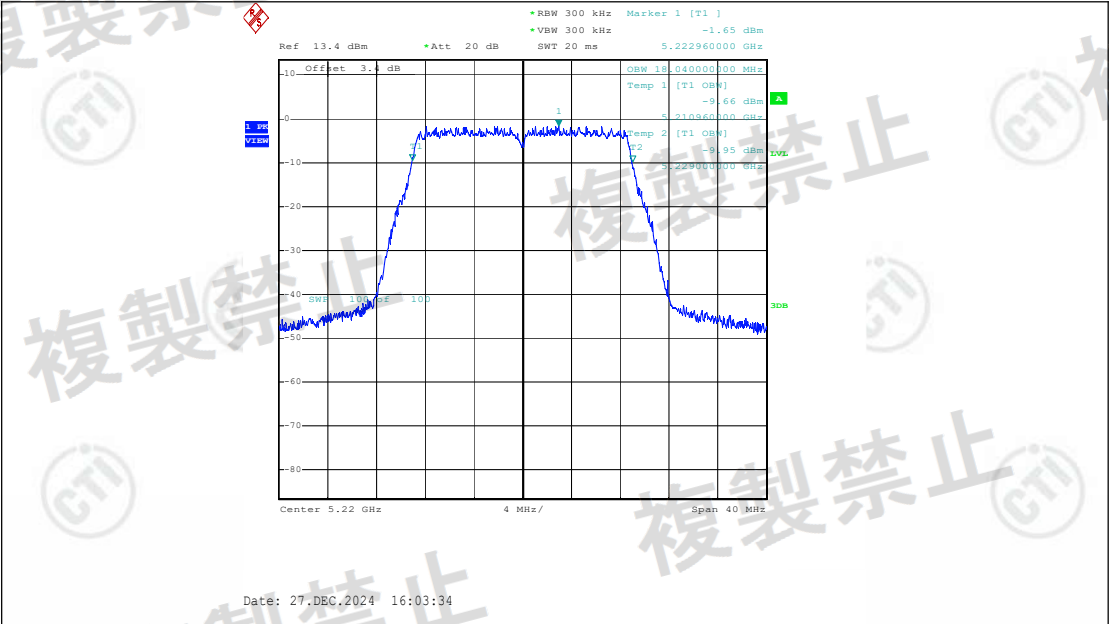
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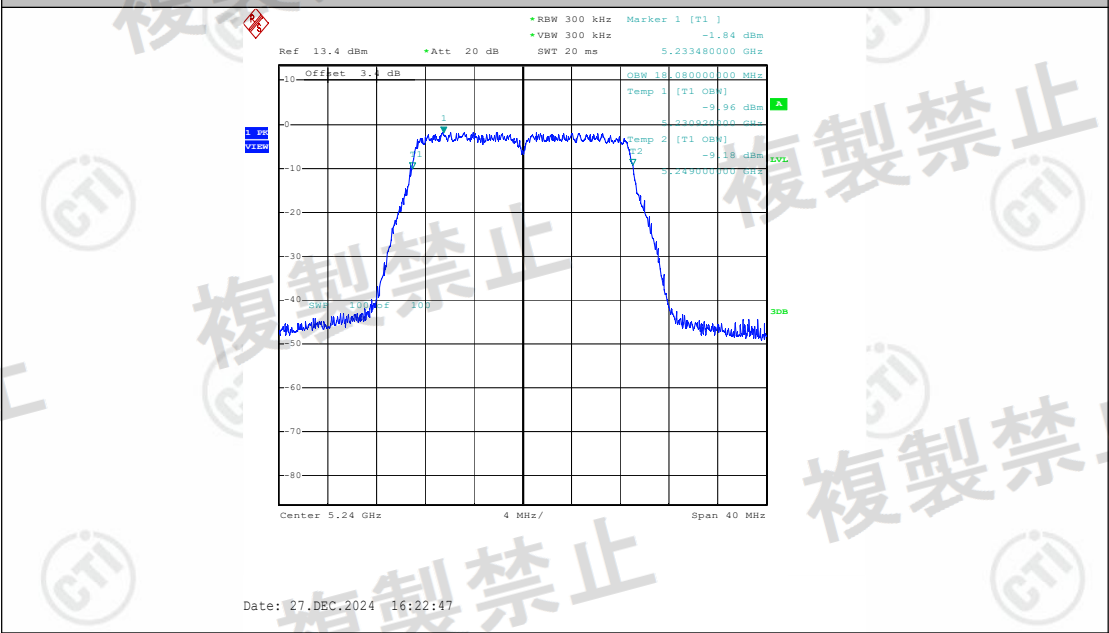
NTNV-11AC20SISO-Ant1-5180-PASS



NTNV-11AC20SISO-Ant1-5200-PASS



NTNV-11AC20SISO-Ant1-5220-PASS



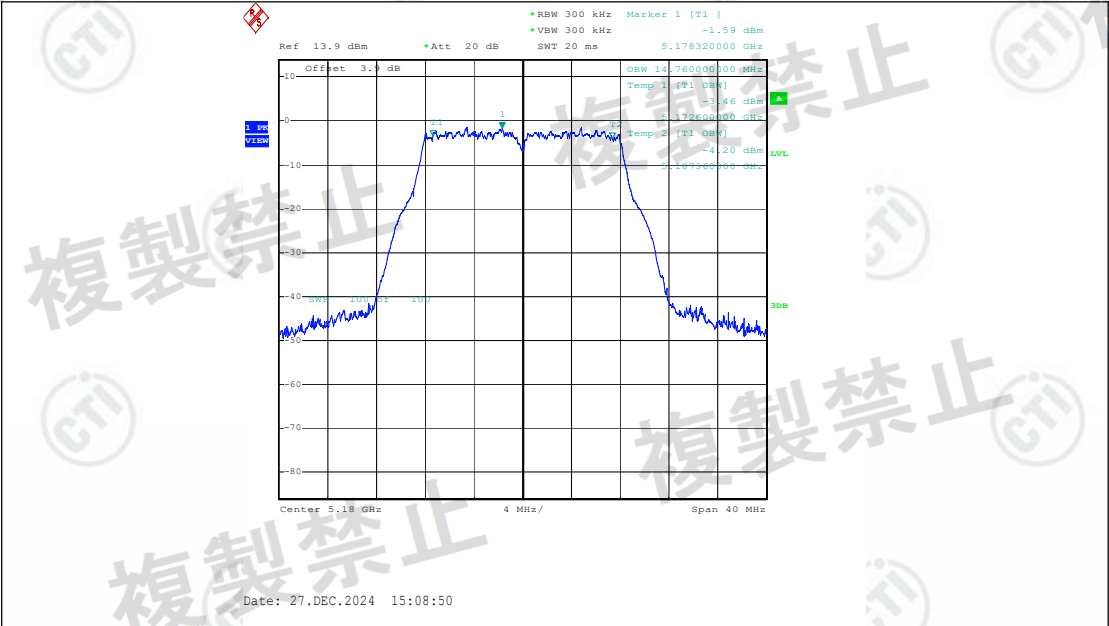
NTNV-11AC20SISO-Ant1-5240-PASS

Appendix D: Spread Bandwidth

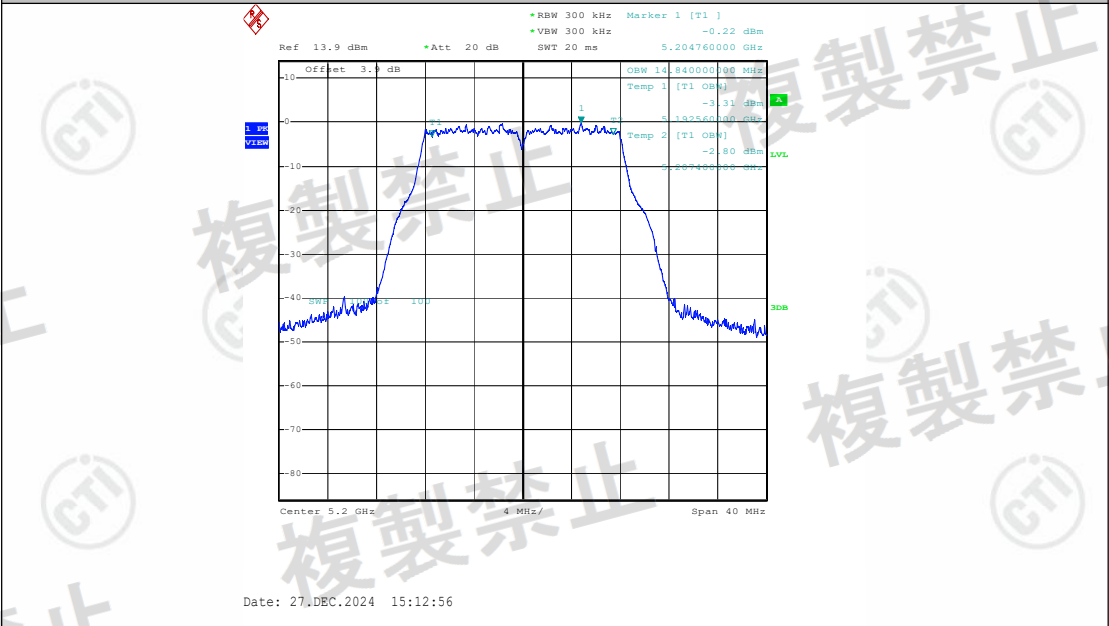
Test Result

Test Condition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant1	5180	14.760	≥0.5	PASS
NTNV	11A	Ant1	5200	14.840	≥0.5	PASS
NTNV	11A	Ant1	5220	14.840	≥0.5	PASS
NTNV	11A	Ant1	5240	14.840	≥0.5	PASS
NTNV	11N20SISO	Ant1	5180	15.800	≥0.5	PASS
NTNV	11N20SISO	Ant1	5200	15.840	≥0.5	PASS
NTNV	11N20SISO	Ant1	5220	15.840	≥0.5	PASS
NTNV	11N20SISO	Ant1	5240	15.840	≥0.5	PASS
NTNV	11AC20SISO	Ant1	5180	15.840	≥0.5	PASS
NTNV	11AC20SISO	Ant1	5200	15.840	≥0.5	PASS
NTNV	11AC20SISO	Ant1	5220	15.800	≥0.5	PASS
NTNV	11AC20SISO	Ant1	5240	15.840	≥0.5	PASS

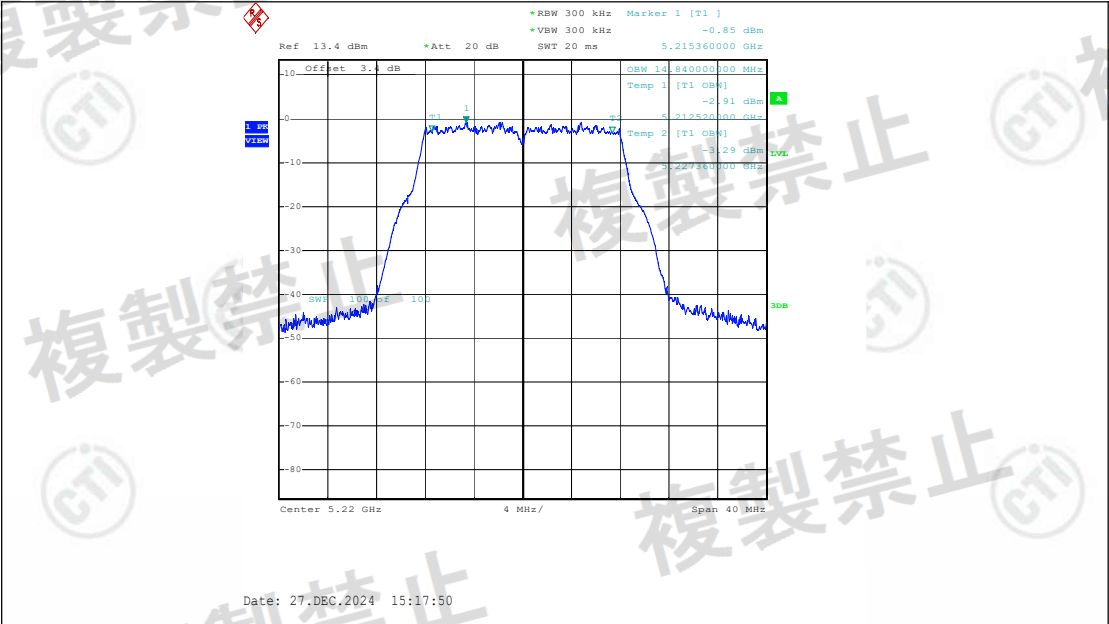
Test Graphs



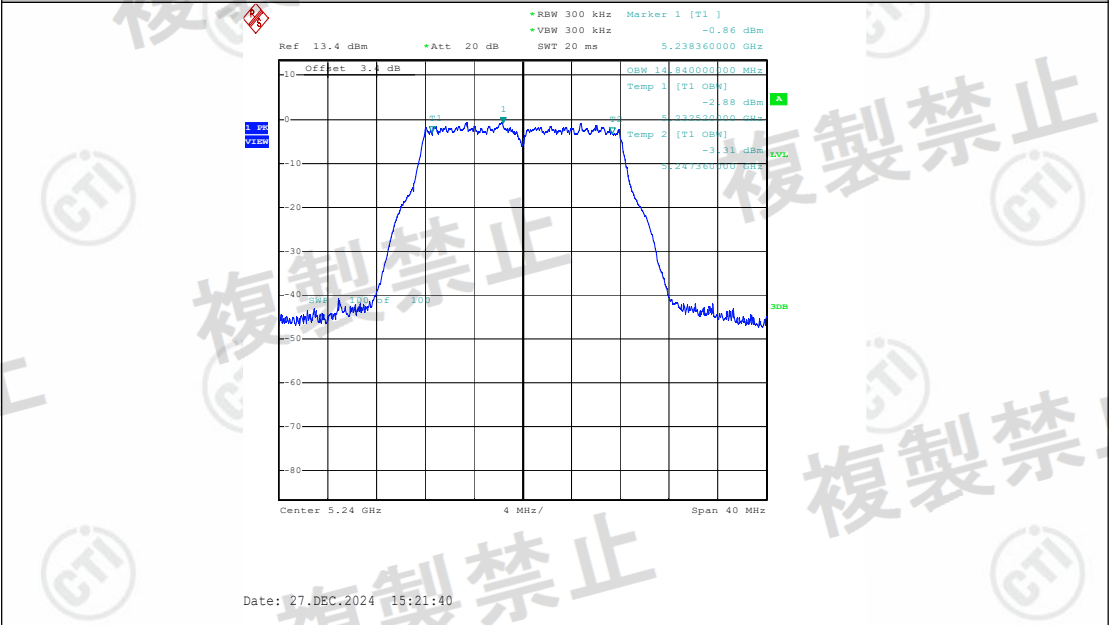
NTNV-11A-Ant1-5180-PASS



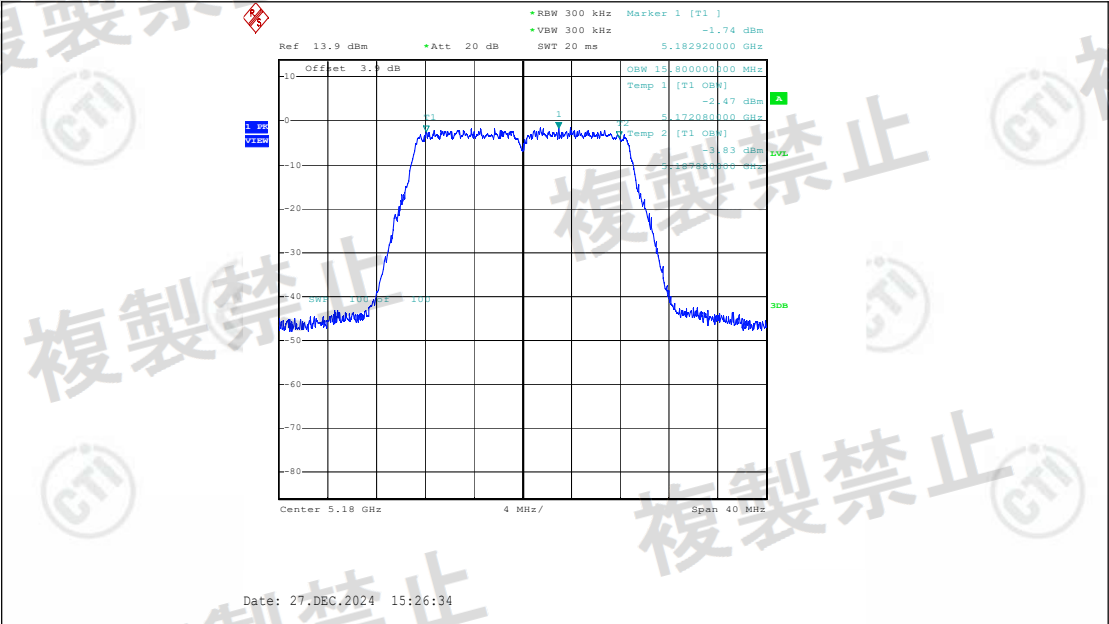
NTNV-11A-Ant1-5200-PASS



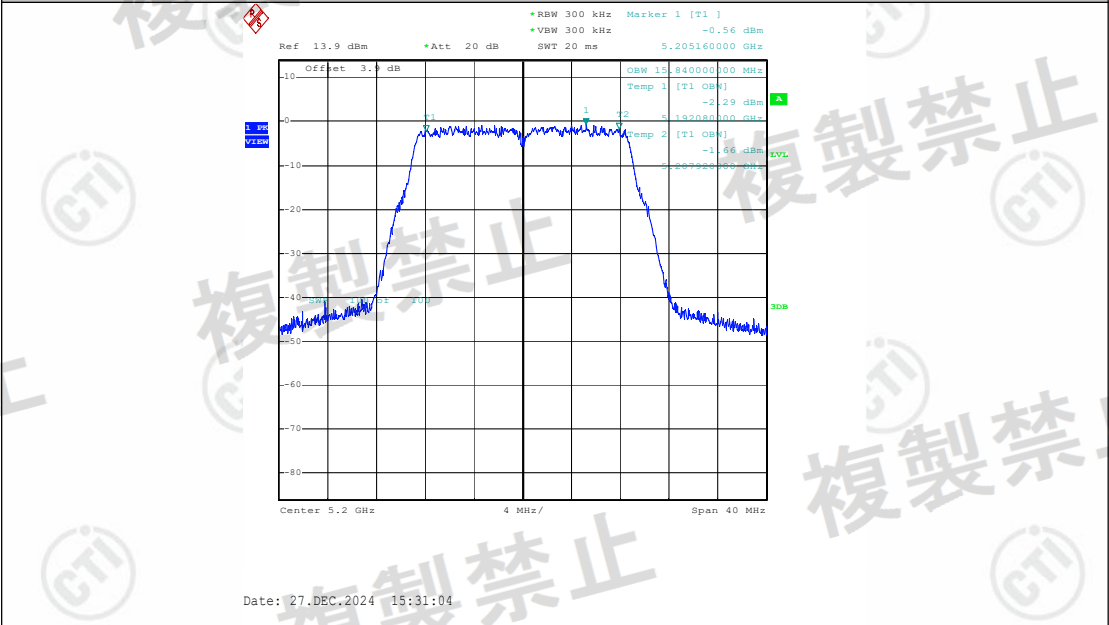
NTVN-11A-Ant1-5220-PASS



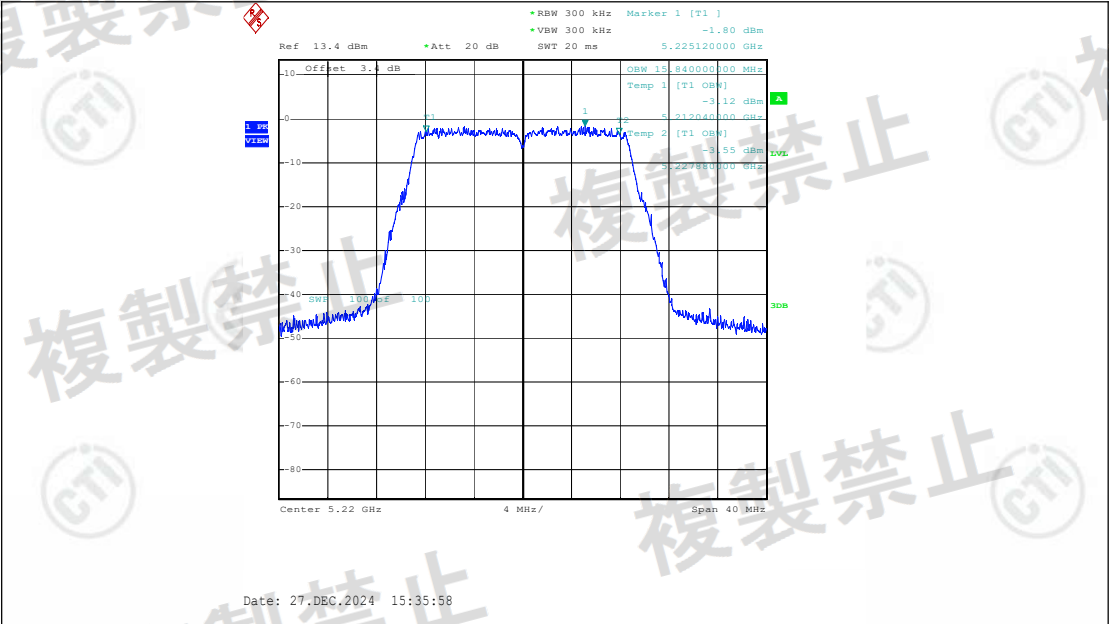
NTVN-11A-Ant1-5240-PASS



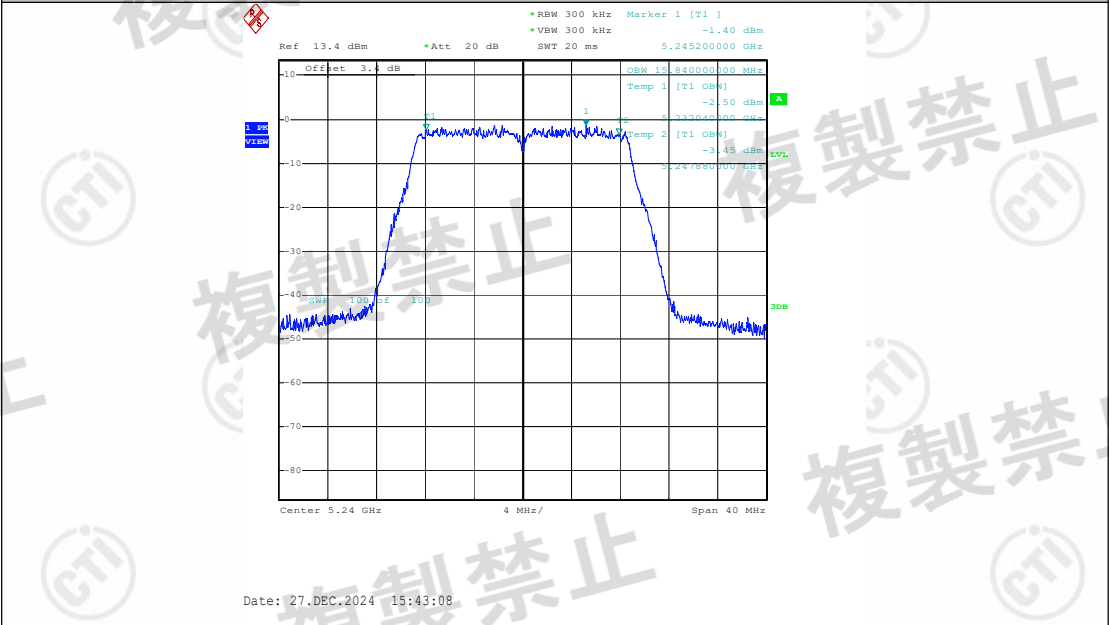
NTNV-11N20SISO-Ant1-5180-PASS



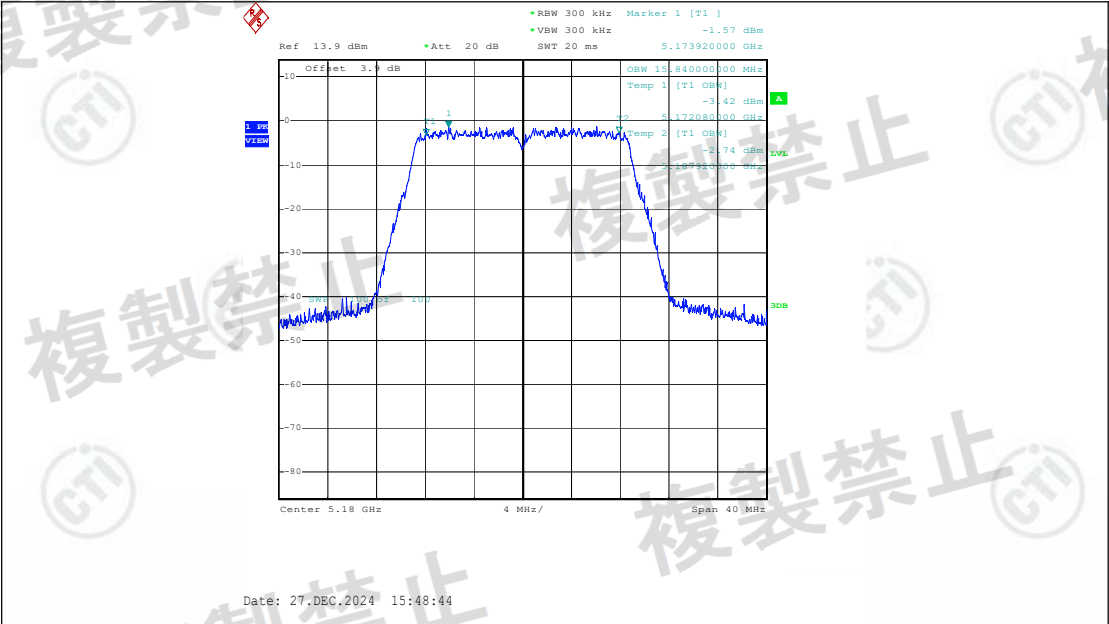
NTNV-11N20SISO-Ant1-5200-PASS



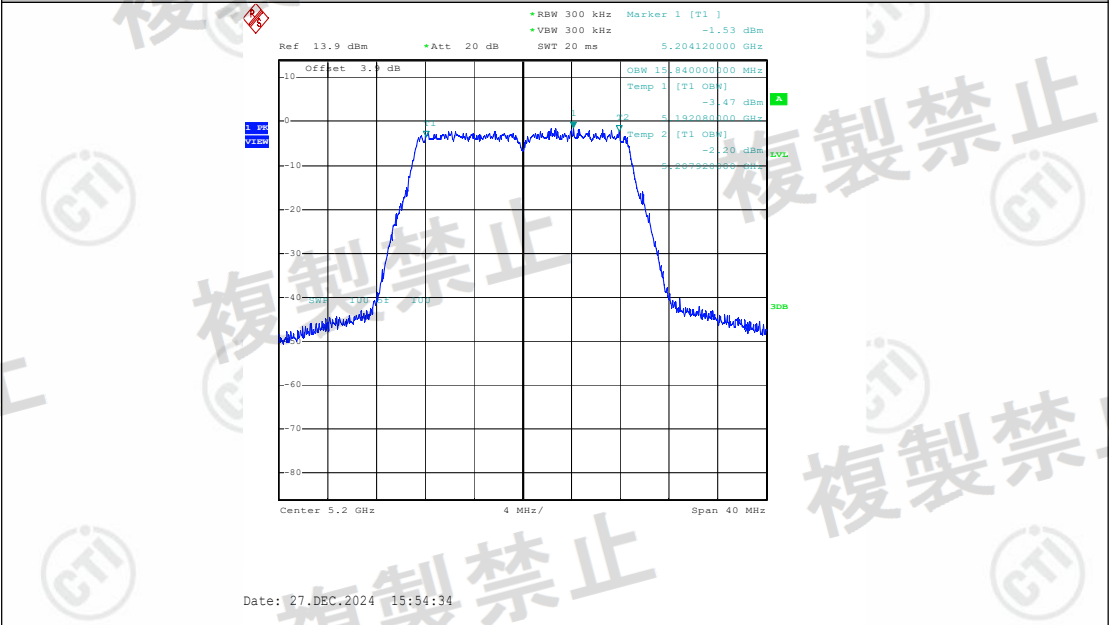
NTNV-11N20SISO-Ant1-5220-PASS



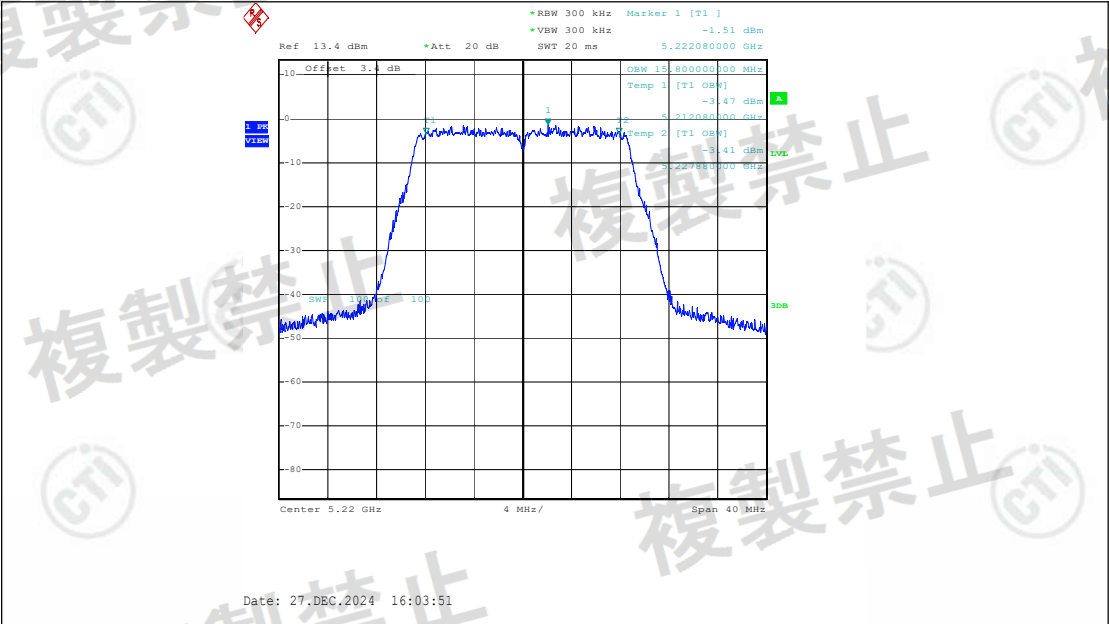
NTNV-11N20SISO-Ant1-5240-PASS



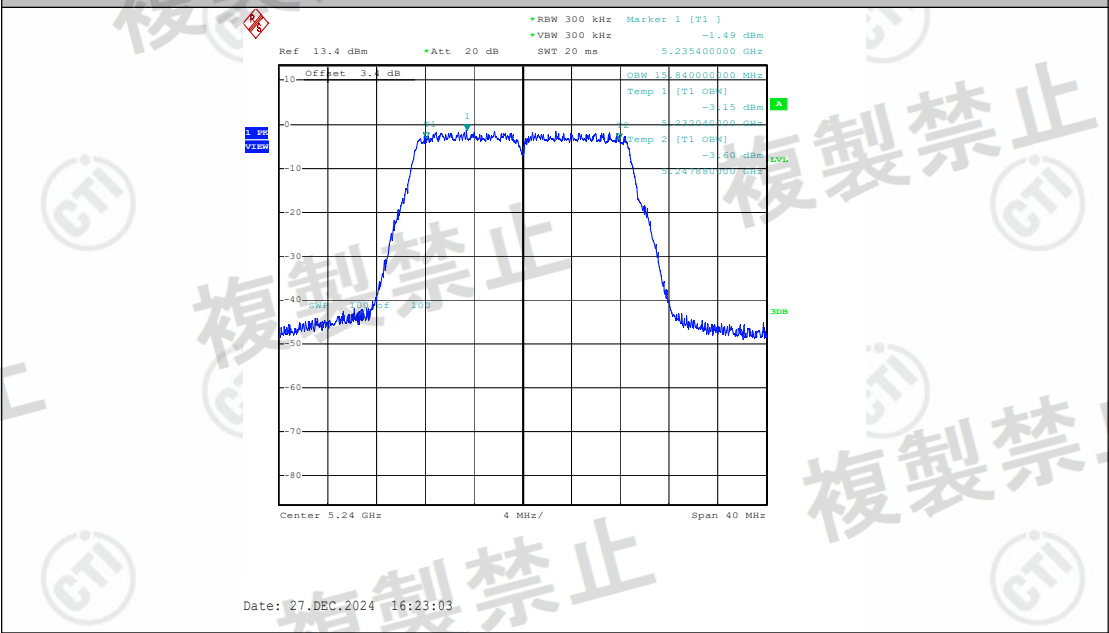
NTNV-11AC20SISO-Ant1-5180-PASS



NTNV-11AC20SISO-Ant1-5200-PASS



NTNV-11AC20SISO-Ant1-5220-PASS



NTNV-11AC20SISO-Ant1-5240-PASS

Appendix E: Spurious Emission of TX

Test Result

Test Condition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [MHz]	Result [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11A	Ant1	5180	30~5142	5142.00	-47.59	0.01742	≤2.5	PASS
NTNV	11A	Ant1	5180	5142~5150	5148.05	-43.54	0.04426	≤15	PASS
NTNV	11A	Ant1	5180	5250~5251	5250.65	-50.45	0.00902	≤223.9	PASS
NTNV	11A	Ant1	5180	5251~5260	5255.65	-50.71	0.00849	≤38.6	PASS
NTNV	11A	Ant1	5180	5260~5266.7	5261.92	-51.41	0.00723	≤15.8	PASS
NTNV	11A	Ant1	5180	5266.7~26000	23159.54	-38.67	0.13583	≤2.5	PASS
NTNV	11A	Ant1	5200	30~5142	2412.19	-47.85	0.01641	≤2.5	PASS
NTNV	11A	Ant1	5200	5142~5150	5147.74	-47.22	0.01897	≤15	PASS
NTNV	11A	Ant1	5200	5250~5251	5250.27	-46.63	0.02173	≤537.0	PASS
NTNV	11A	Ant1	5200	5251~5260	5252.33	-47.36	0.01837	≤76.2	PASS
NTNV	11A	Ant1	5200	5260~5266.7	5261.14	-49.86	0.01033	≤15.8	PASS
NTNV	11A	Ant1	5200	5266.7~26000	23574.20	-38.81	0.13152	≤2.5	PASS
NTNV	11A	Ant1	5220	30~5142	3710.64	-51.15	0.00767	≤2.5	PASS
NTNV	11A	Ant1	5220	5142~5150	5148.14	-50.58	0.00875	≤15	PASS
NTNV	11A	Ant1	5220	5250~5251	5250.72	-41.87	0.06501	≤190.5	PASS
NTNV	11A	Ant1	5220	5251~5260	5251.36	-43.05	0.04955	≤92.9	PASS
NTNV	11A	Ant1	5220	5260~5266.7	5261.56	-45.61	0.02748	≤15.8	PASS
NTNV	11A	Ant1	5220	5266.7~26000	20360.54	-39.93	0.10162	≤2.5	PASS
NTNV	11A	Ant1	5240	30~5142	5090.88	-52.39	0.00577	≤2.5	PASS
NTNV	11A	Ant1	5240	5142~5150	5142.01	-50.83	0.00826	≤15	PASS
NTNV	11A	Ant1	5240	5250~5251	5250.00	-9.86	103.27614	≤1000.0	PASS
NTNV	11A	Ant1	5240	5251~5260	5251.01	-17.56	17.53881	≤99.8	PASS
NTNV	11A	Ant1	5240	5260~5266.7	5260.57	-36.67	0.21528	≤15.8	PASS
NTNV	11A	Ant1	5240	5266.7~26000	23553.47	-39.50	0.11220	≤2.5	PASS
NTNV	11N20SISO	Ant1	5180	30~5142	5142.00	-46.67	0.02153	≤2.5	PASS
NTNV	11N20SISO	Ant1	5180	5142~5150	5148.39	-42.06	0.06223	≤15	PASS
NTNV	11N20SISO	Ant1	5180	5250~5250.2	5250.10	-50.77	0.00838	≤1165.9	PASS
NTNV	11N20SISO	Ant1	5180	5250.2~5251	5250.56	-50.71	0.00849	≤275.4	PASS
NTNV	11N20SISO	Ant1	5180	5251~5260	5252.85	-51.30	0.00741	≤68.5	PASS
NTNV	11N20SISO	Ant1	5180	5260~5266.7	5260.48	-51.50	0.00708	≤15.8	PASS
NTNV	11N20SISO	Ant1	5180	5266.7~26000	20402.01	-39.25	0.11885	≤2.5	PASS
NTNV	11N20SISO	Ant1	5200	30~5142	4037.81	-51.17	0.00764	≤2.5	PASS
NTNV	11N20SISO	Ant1	5200	5142~5150	5148.36	-46.30	0.02344	≤15	PASS
NTNV	11N20SISO	Ant1	5200	5250~5250.2	5250.09	-46.49	0.02244	≤1239.7	PASS
NTNV	11N20SISO	Ant1	5200	5250.2~5251	5250.40	-47.14	0.01932	≤398.1	PASS

NTNV	11N20SISO	Ant1	5200	5251~5260	5251.80	-46.20	0.02399	≤84.9	PASS
NTNV	11N20SISO	Ant1	5200	5260~5266.7	5262.59	-49.56	0.01107	≤15.8	PASS
NTNV	11N20SISO	Ant1	5200	5266.7~26000	24652.34	-39.10	0.12303	≤2.5	PASS
NTNV	11N20SISO	Ant1	5220	30~5142	2412.19	-51.49	0.00710	≤2.5	PASS
NTNV	11N20SISO	Ant1	5220	5142~5150	5143.53	-50.68	0.00855	≤15	PASS
NTNV	11N20SISO	Ant1	5220	5250~5250.2	5250.00	-41.54	0.07015	≤2154.4	PASS
NTNV	11N20SISO	Ant1	5220	5250.2~5251	5250.59	-41.70	0.06761	≤257.0	PASS
NTNV	11N20SISO	Ant1	5220	5251~5260	5251.06	-42.58	0.05521	≤98.8	PASS
NTNV	11N20SISO	Ant1	5220	5260~5266.7	5260.23	-45.19	0.03027	≤15.8	PASS
NTNV	11N20SISO	Ant1	5220	5266.7~26000	20505.68	-39.80	0.10471	≤2.5	PASS
NTNV	11N20SISO	Ant1	5240	30~5142	2412.19	-48.53	0.01403	≤2.5	PASS
NTNV	11N20SISO	Ant1	5240	5142~5150	5149.18	-51.65	0.00684	≤15	PASS
NTNV	11N20SISO	Ant1	5240	5250~5250.2	5250.00	-5.87	258.82129	≤2154.4	PASS
NTNV	11N20SISO	Ant1	5240	5250.2~5251	5250.86	-12.77	52.84453	≤138.0	See table below
NTNV	11N20SISO	Ant1	5240	5251~5260	5251.07	-15.45	28.51018	≤98.6	PASS
NTNV	11N20SISO	Ant1	5240	5260~5266.7	5261.61	-35.41	0.28774	≤15.8	PASS
NTNV	11N20SISO	Ant1	5240	5266.7~26000	23283.94	-39.88	0.10280	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5180	30~5142	5142.00	-47.27	0.01875	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5180	5142~5150	5147.25	-41.84	0.06546	≤15	PASS
NTNV	11AC20SISO	Ant1	5180	5250~5250.2	5250.16	-51.19	0.00760	≤806.6	PASS
NTNV	11AC20SISO	Ant1	5180	5250.2~5251	5250.31	-50.85	0.00822	≤489.8	PASS
NTNV	11AC20SISO	Ant1	5180	5251~5260	5251.74	-51.17	0.00764	≤85.9	PASS
NTNV	11AC20SISO	Ant1	5180	5260~5266.7	5260.80	-50.59	0.00873	≤15.8	PASS
NTNV	11AC20SISO	Ant1	5180	5266.7~26000	20484.94	-38.78	0.13243	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5200	30~5142	3189.22	-51.59	0.00693	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5200	5142~5150	5149.20	-48.74	0.01337	≤15	PASS
NTNV	11AC20SISO	Ant1	5200	5250~5250.2	5250.19	-49.15	0.01216	≤670.9	PASS
NTNV	11AC20SISO	Ant1	5200	5250.2~5251	5250.80	-49.14	0.01219	≤158.5	PASS
NTNV	11AC20SISO	Ant1	5200	5251~5260	5252.45	-48.77	0.01327	≤74.3	PASS
NTNV	11AC20SISO	Ant1	5200	5260~5266.7	5260.94	-50.94	0.00805	≤15.8	PASS
NTNV	11AC20SISO	Ant1	5200	5266.7~26000	24984.07	-38.66	0.13614	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5220	30~5142	2412.19	-49.50	0.01122	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5220	5142~5150	5145.70	-50.82	0.00828	≤15	PASS
NTNV	11AC20SISO	Ant1	5220	5250~5250.2	5250.18	-42.20	0.06026	≤713.4	PASS
NTNV	11AC20SISO	Ant1	5220	5250.2~5251	5250.94	-42.30	0.05888	≤114.8	PASS
NTNV	11AC20SISO	Ant1	5220	5251~5260	5251.90	-42.19	0.06039	≤83.2	PASS
NTNV	11AC20SISO	Ant1	5220	5260~5266.7	5263.48	-46.15	0.02427	≤15.8	PASS
NTNV	11AC20SISO	Ant1	5220	5266.7~26000	23512.00	-39.74	0.10617	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5240	30~5142	5111.33	-51.94	0.00640	≤2.5	PASS
NTNV	11AC20SISO	Ant1	5240	5142~5150	5148.54	-51.24	0.00752	≤15	PASS

NTNV	11AC20SISO	Ant1	5240	5250~5250.2	5250.00	-6.00	251.18864	≤2154.4	PASS
NTNV	11AC20SISO	Ant1	5240	5250.2~5251	5250.95	-13.66	43.05266	≤112.2	See table below
NTNV	11AC20SISO	Ant1	5240	5251~5260	5251.13	-15.55	27.86121	≤97.4	PASS
NTNV	11AC20SISO	Ant1	5240	5260~5266.7	5261.21	-35.31	0.29444	≤15.8	PASS
NTNV	11AC20SISO	Ant1	5240	5266.7~26000	20443.48	-39.81	0.10447	≤2.5	PASS

Note:

①The test data has been added antenna gain.

② $1\mu\text{W}/\text{MHz}=(10^{((1\text{dBm}/\text{MHz})/10)})*1000$;

Test Result_Step2

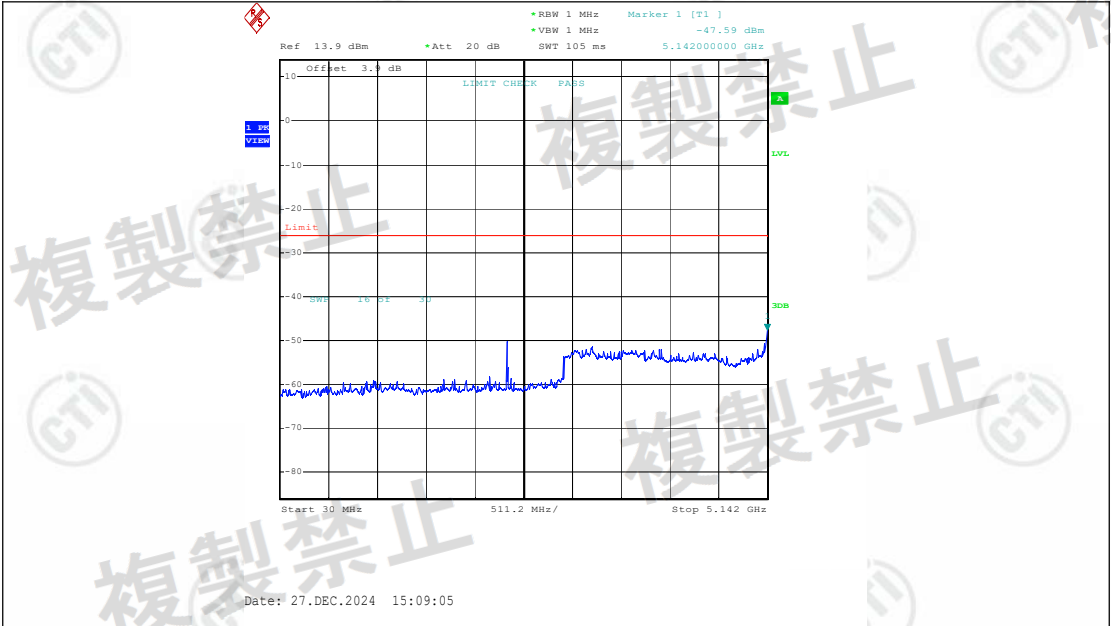
TestCondition	TestMode	Antenna	Frequen cy[MHz]	Freq. [MHz]	Result [dBm/MH z]	Limit [dBm/M Hz]	Result [μW/MH z]	Limit [μW/M Hz]	Verdict
NTNV	11N20SI SO	Ant1	5240	5250.86	-32.15	≤-9.9	0.60954	≤138	PASS
NTNV	11AC20S ISO	Ant1	5240	5250.95	-32.04	≤-9.6	0.62517	≤111	PASS

Note:

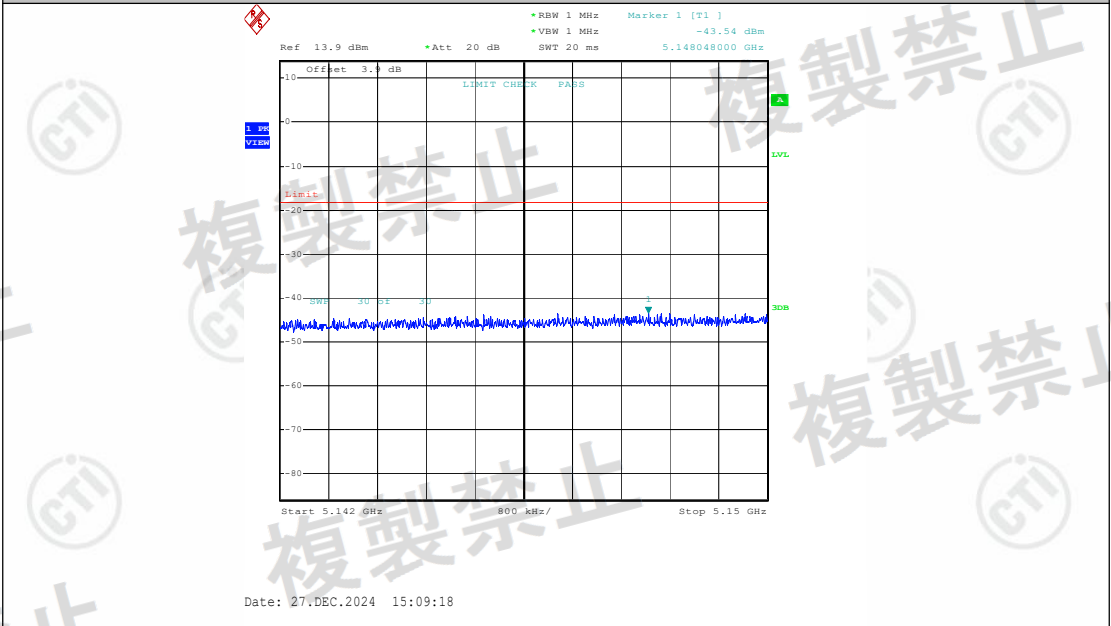
①The test data has been added antenna gain.

② $1\mu\text{W}/\text{MHz}=(10^{((1\text{dBm}/\text{MHz})/10)})*1000$;

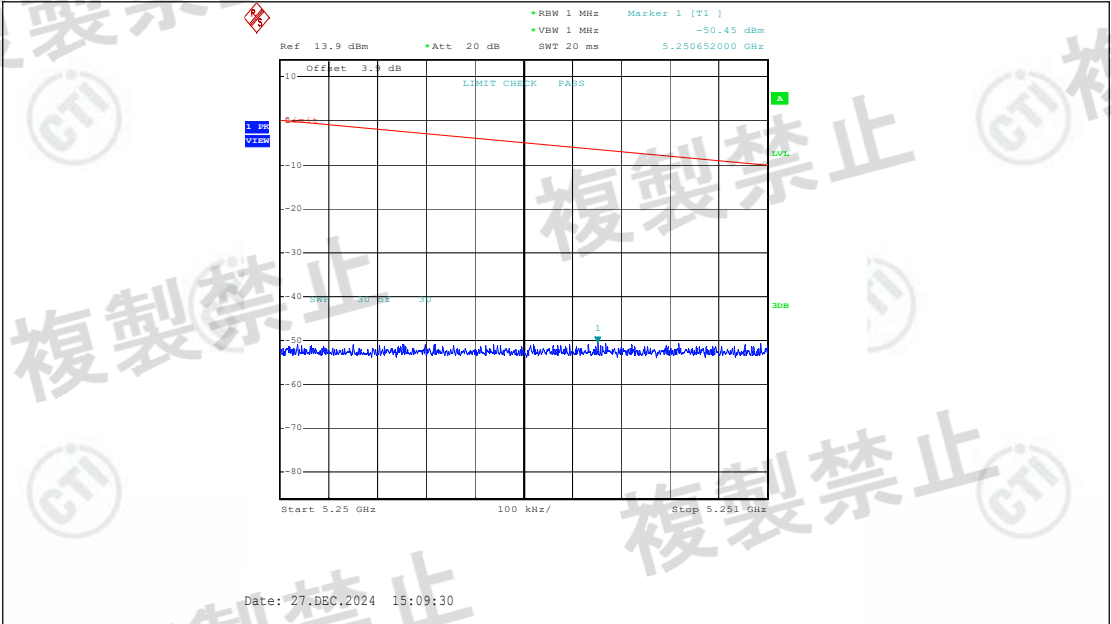
Test Graphs



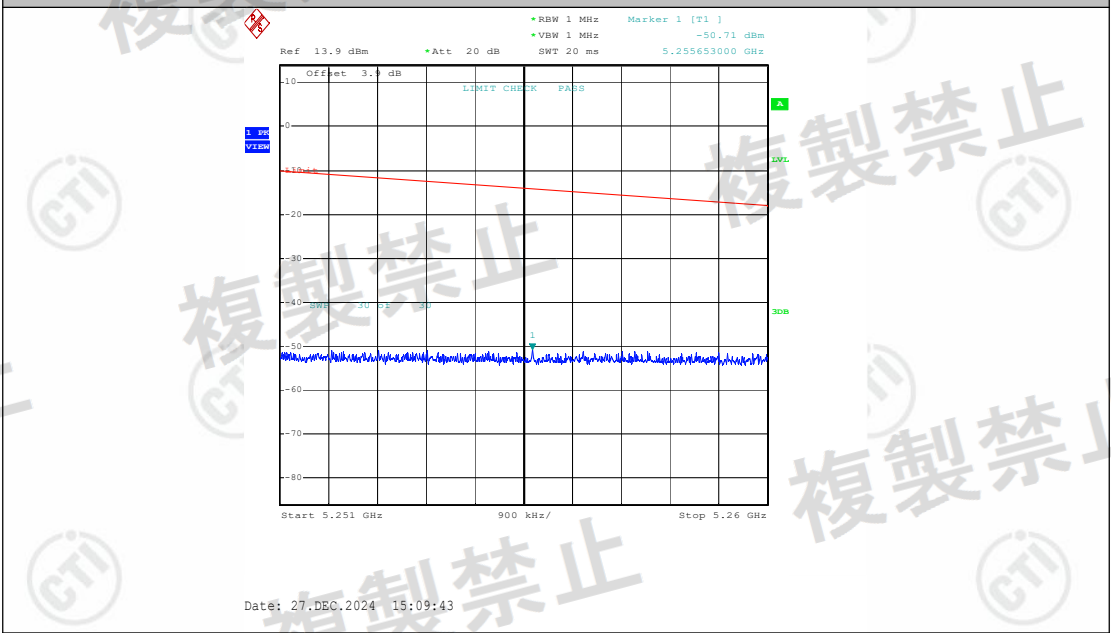
NTNV-11A-Ant1-5180-30~5142-PASS



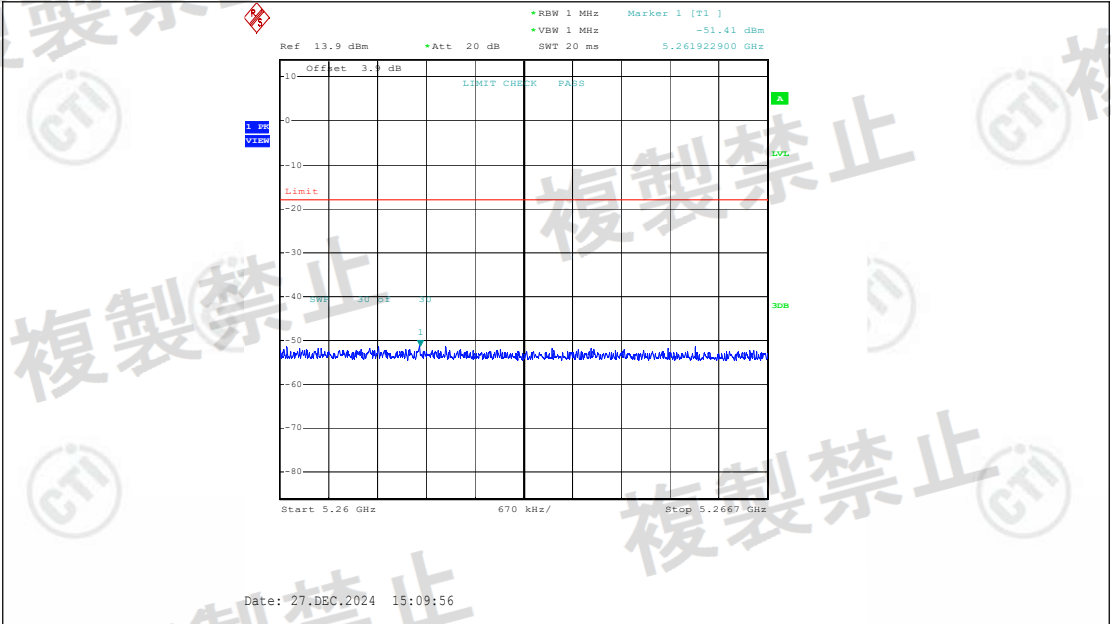
NTNV-11A-Ant1-5180-5142~5150-PASS



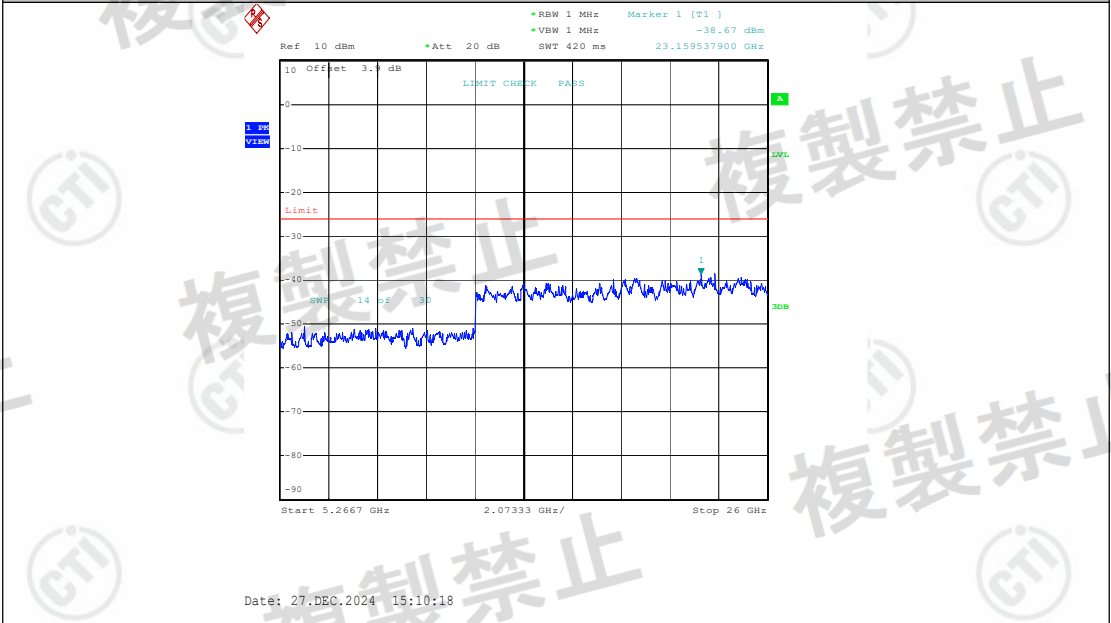
NTNV-11A-Ant1-5180-5250~5251-PASS



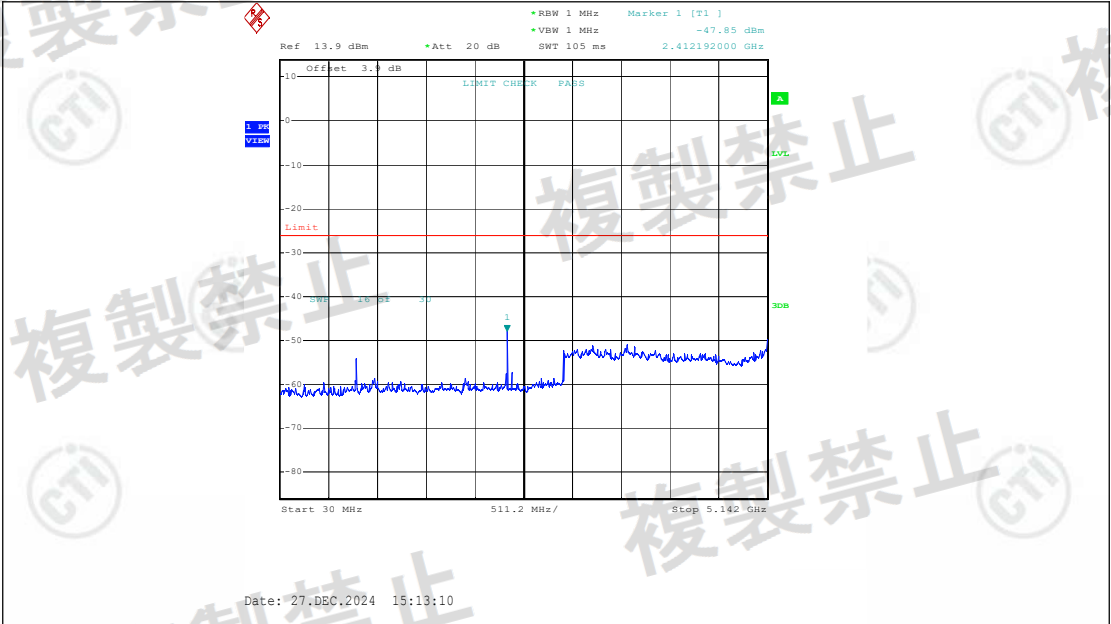
NTNV-11A-Ant1-5180-5251~5260-PASS



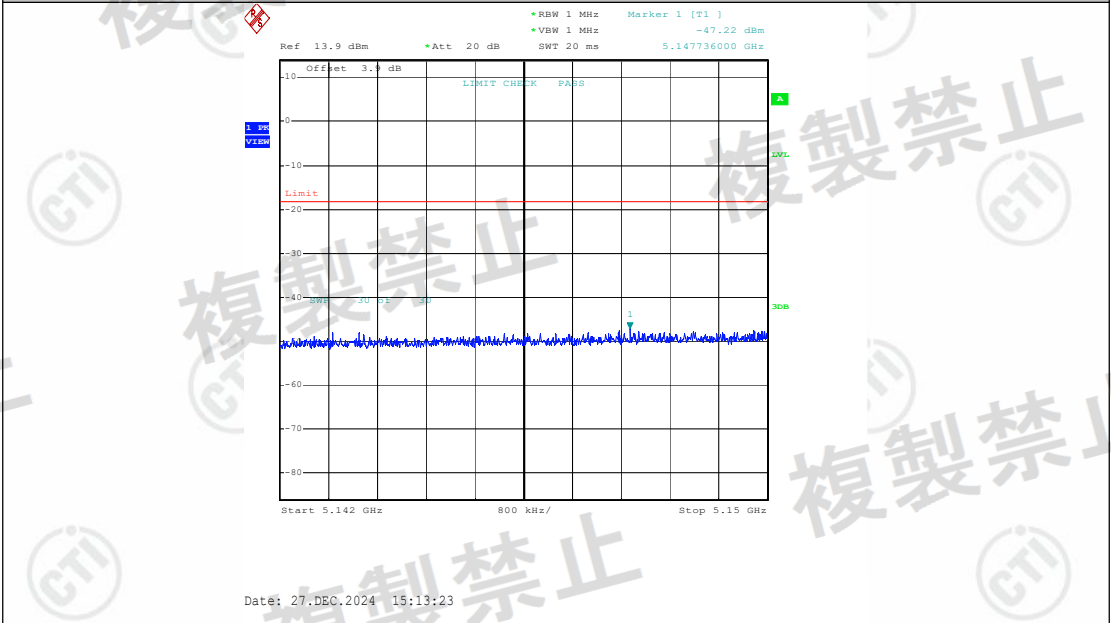
NTVN-11A-Ant1-5180-5260~5266.7-PASS



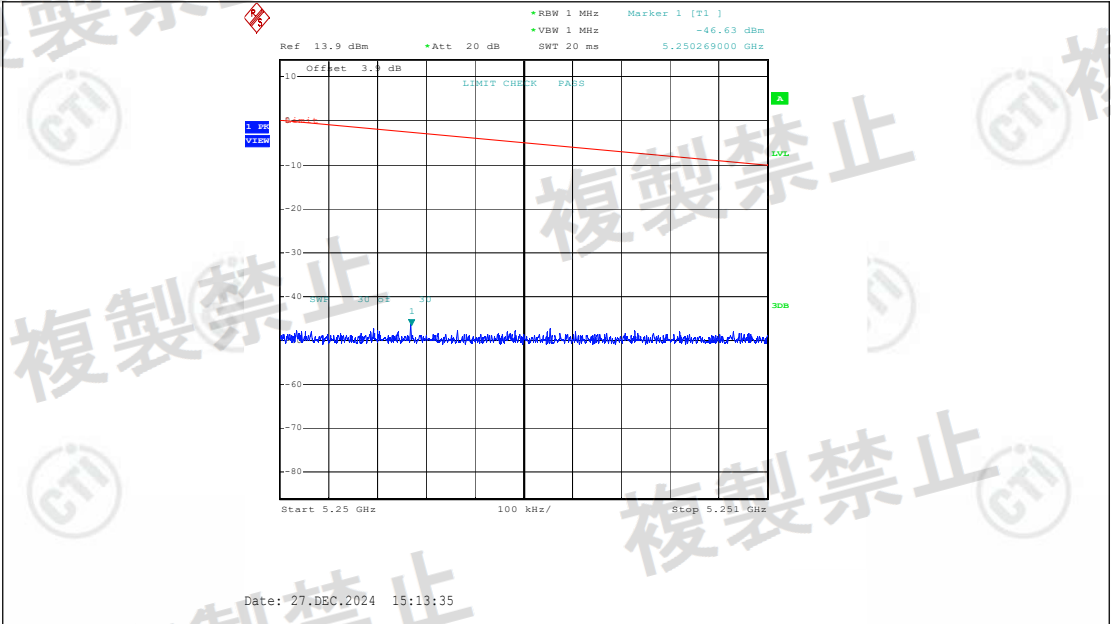
NTVN-11A-Ant1-5180-5266.7~26000-PASS



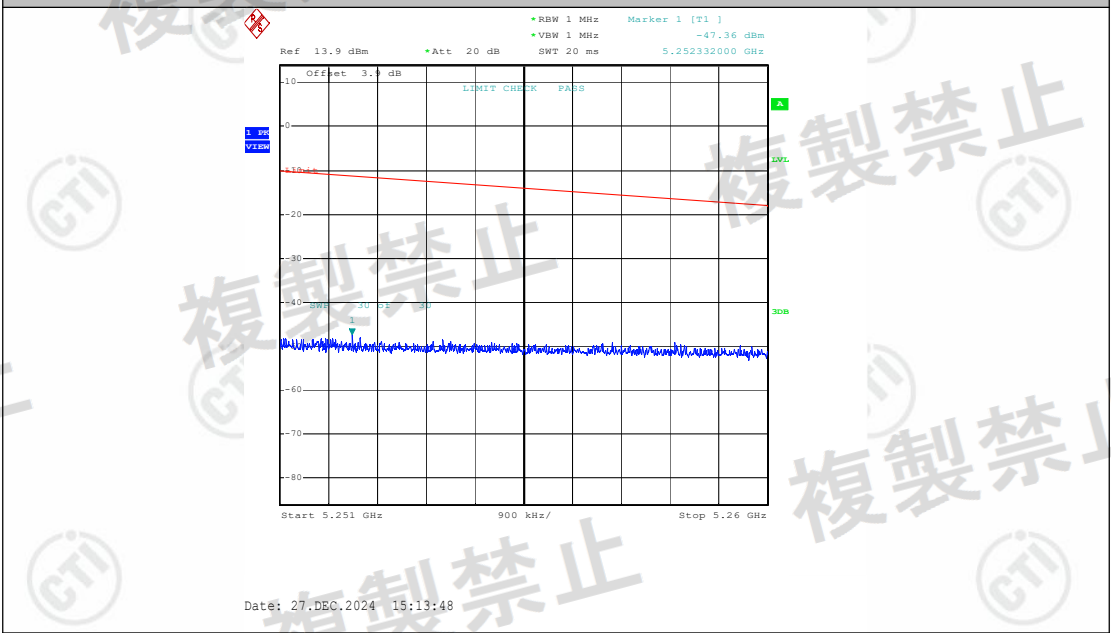
NTNV-11A-Ant1-5200-30~5142-PASS



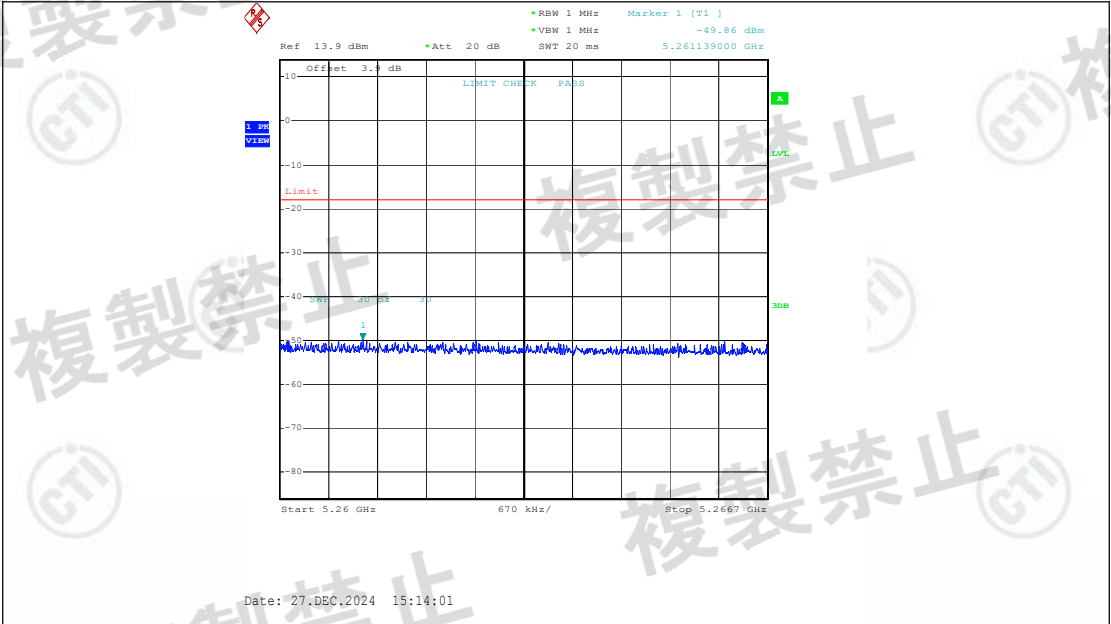
NTNV-11A-Ant1-5200-5142~5150-PASS



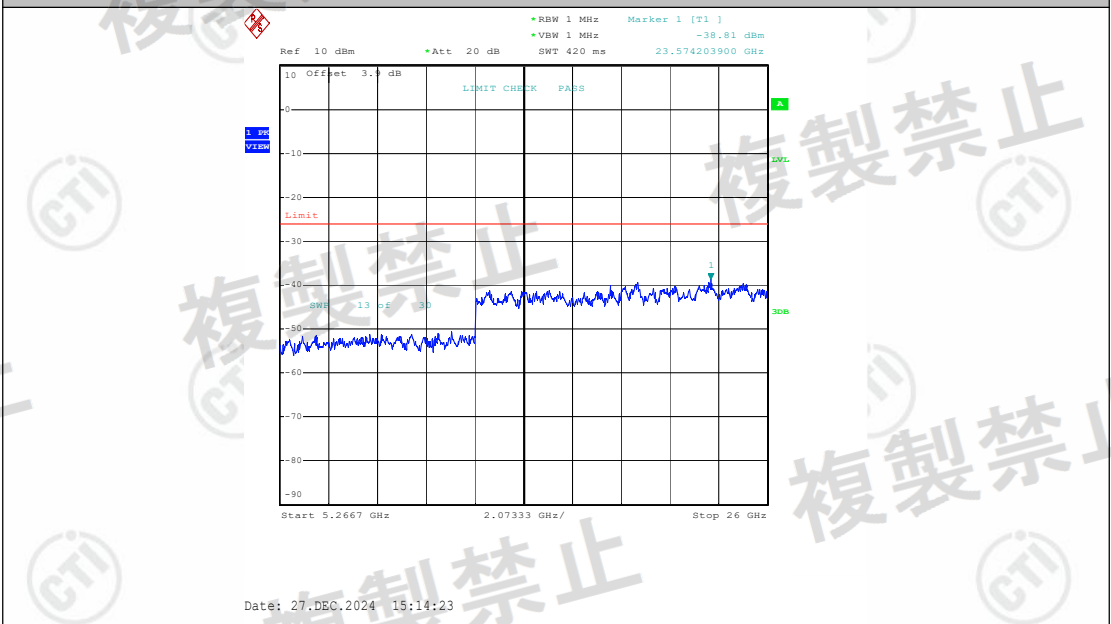
NTNV-11A-Ant1-5200-5250~5251-PASS



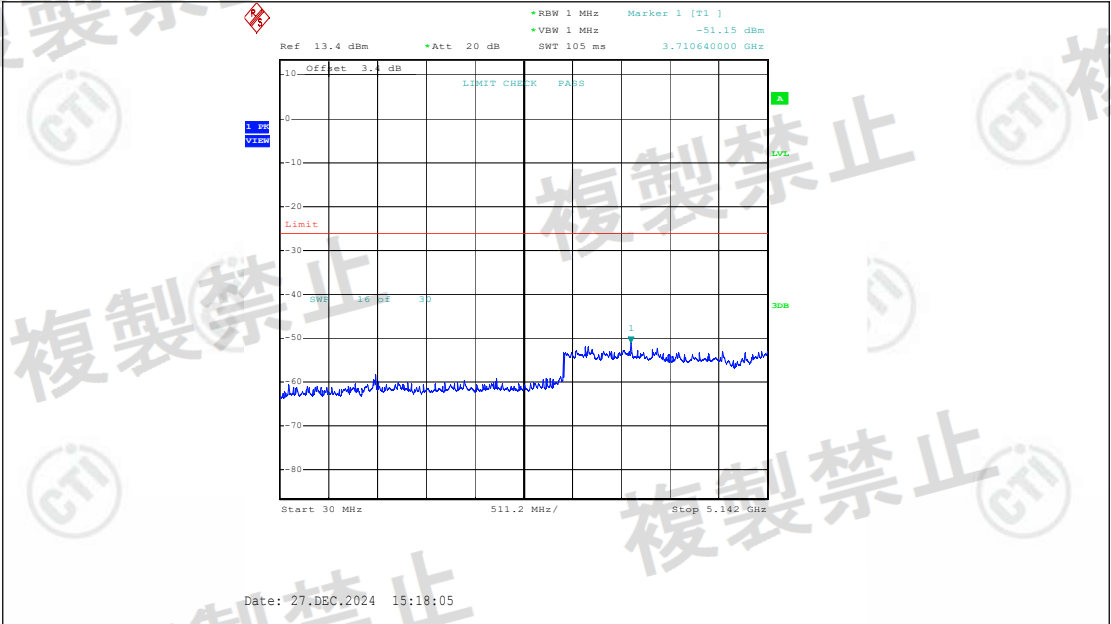
NTNV-11A-Ant1-5200-5251~5260-PASS



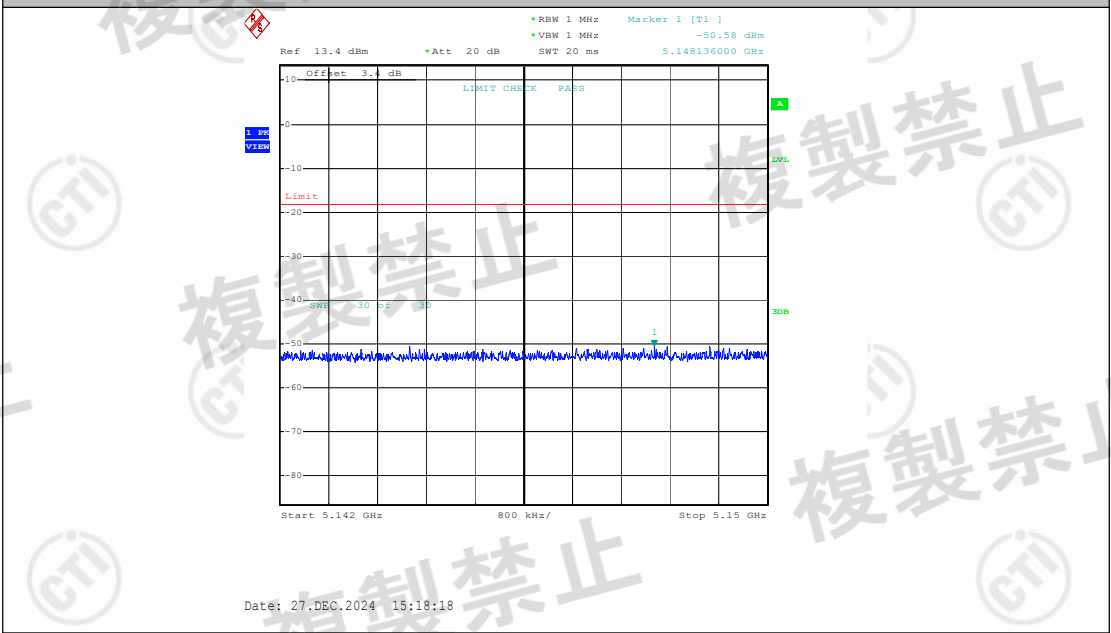
NTVN-11A-Ant1-5200-5260~5266.7-PASS



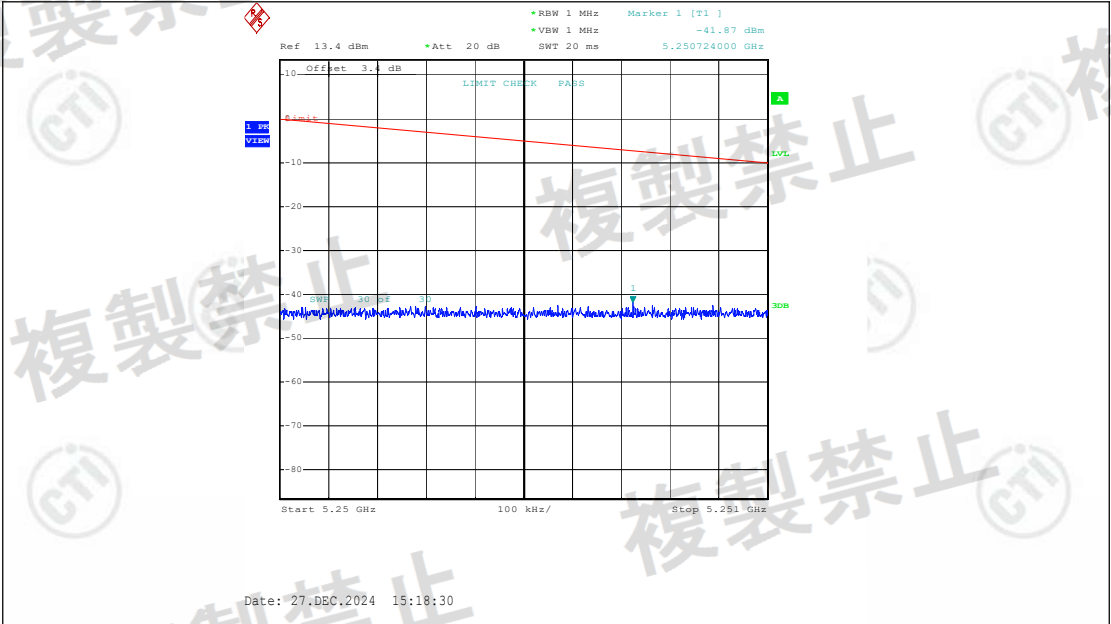
NTVN-11A-Ant1-5200-5266.7~26000-PASS



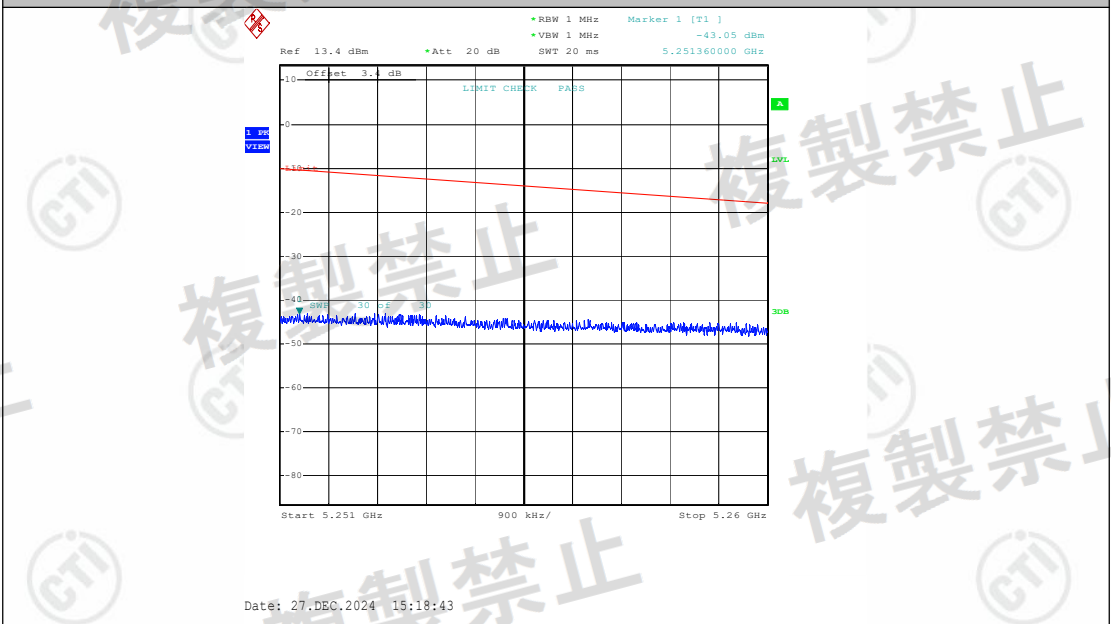
NTNV-11A-Ant1-5220-30~5142-PASS



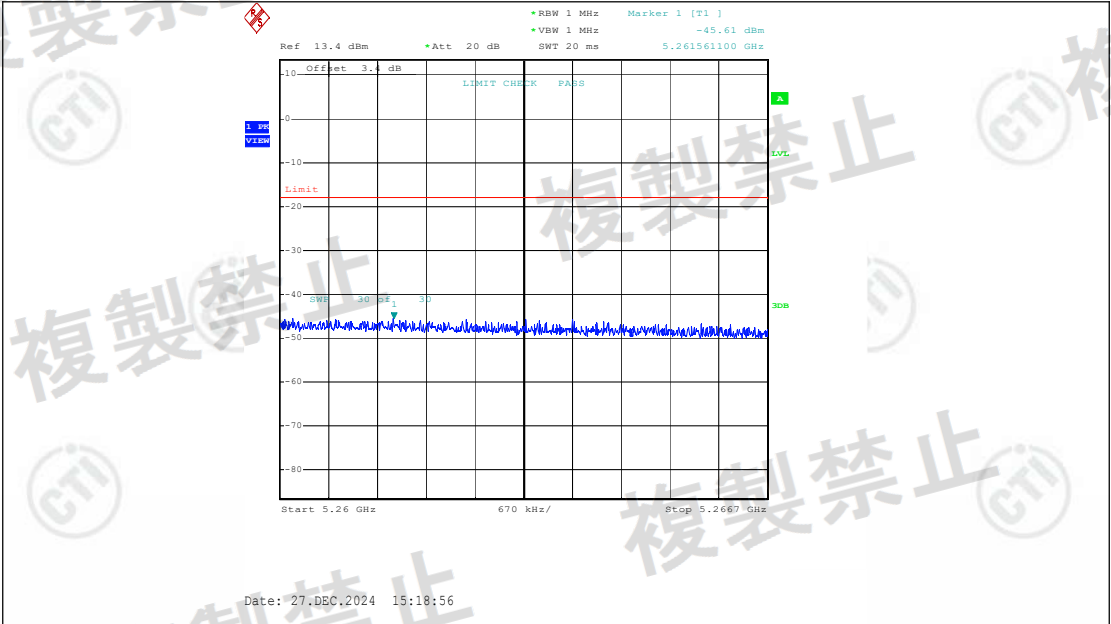
NTNV-11A-Ant1-5220-5142~5150-PASS



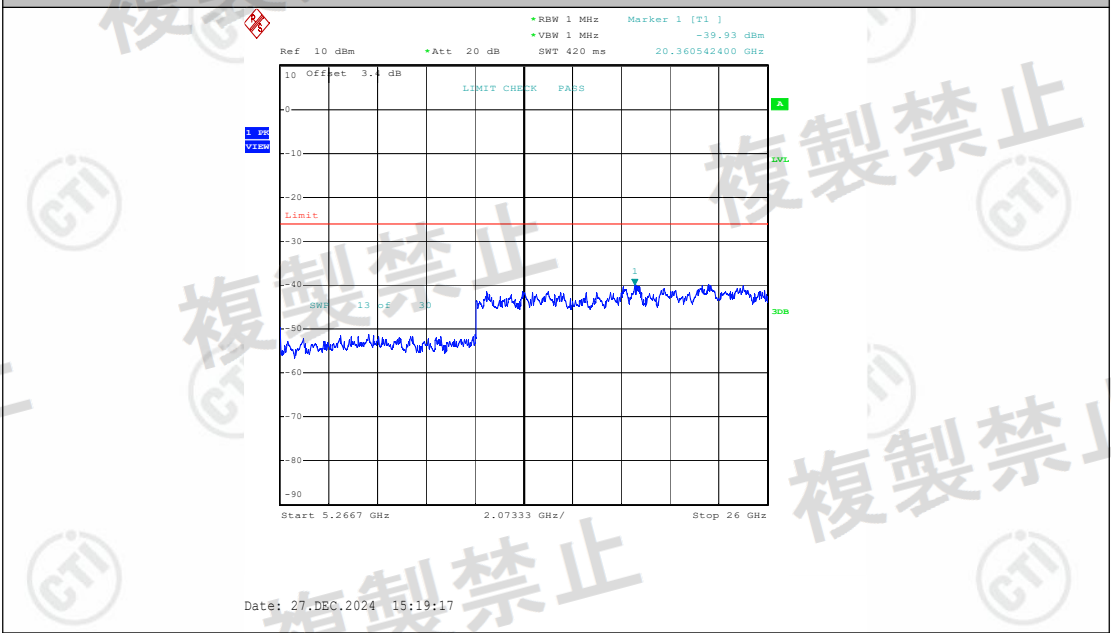
NTNV-11A-Ant1-5220-5250~5251-PASS



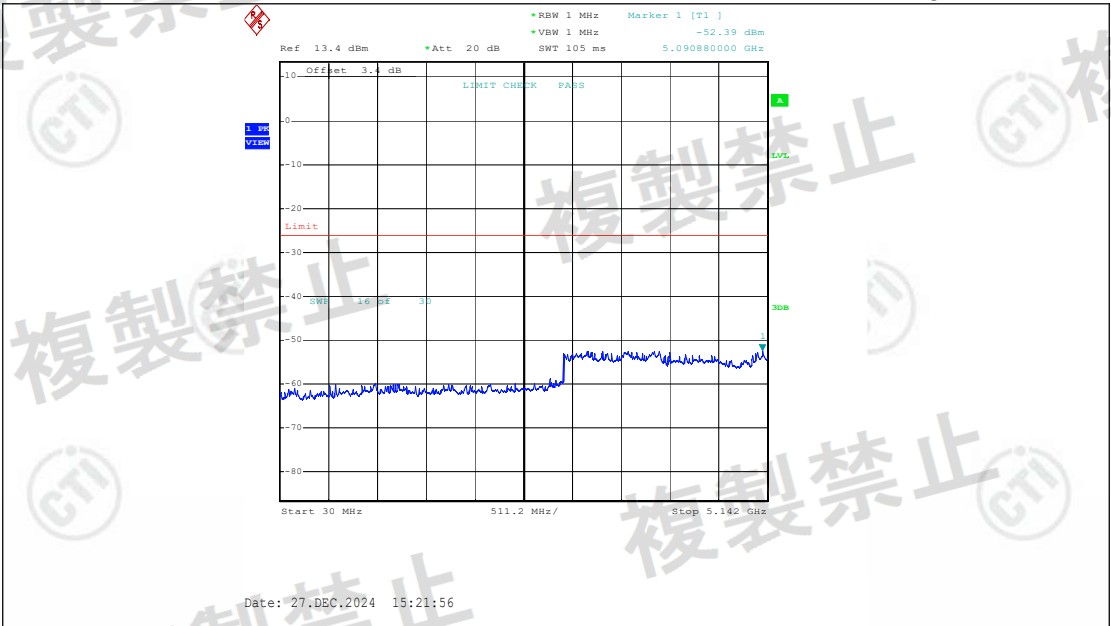
NTNV-11A-Ant1-5220-5251~5260-PASS



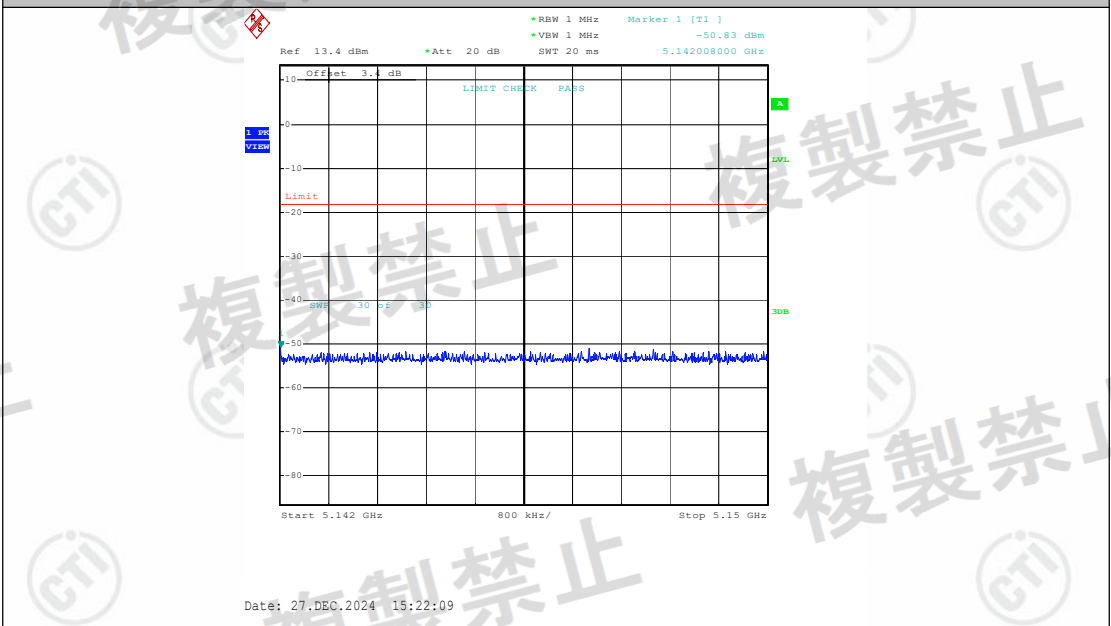
NTVN-11A-Ant1-5220-5260~5266.7-PASS



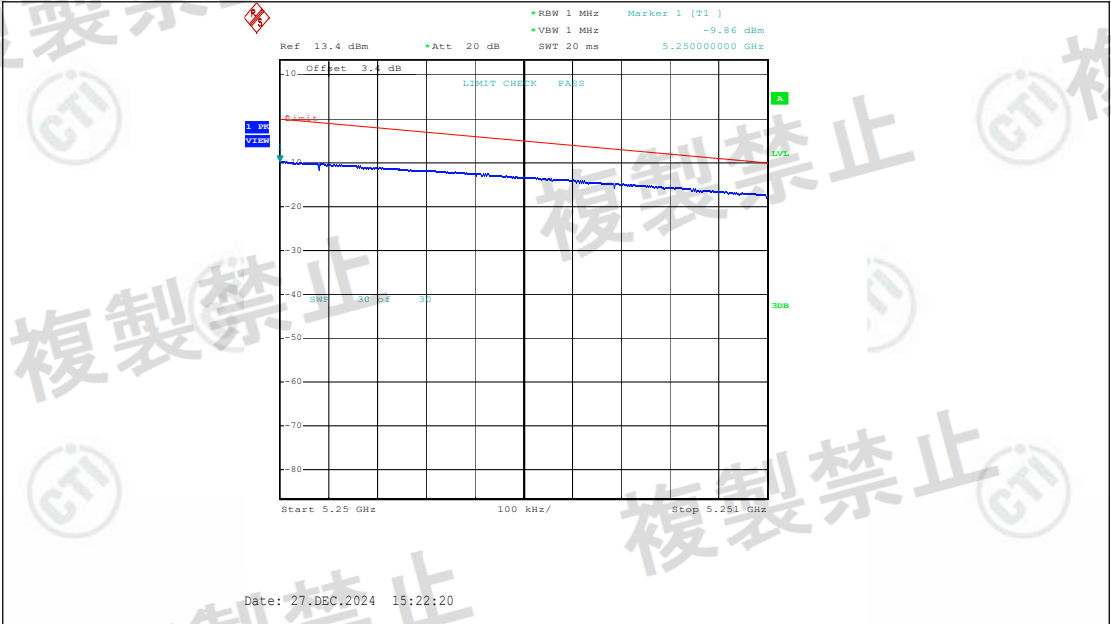
NTVN-11A-Ant1-5220-5266.7~26000-PASS



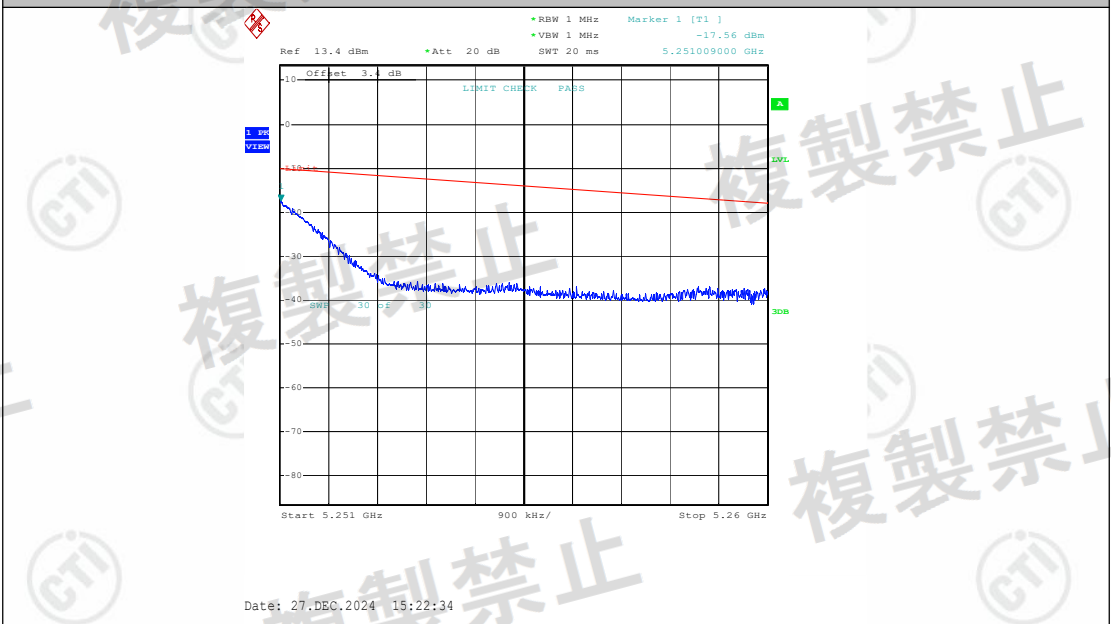
NTNV-11A-Ant1-5240-30~5142-PASS



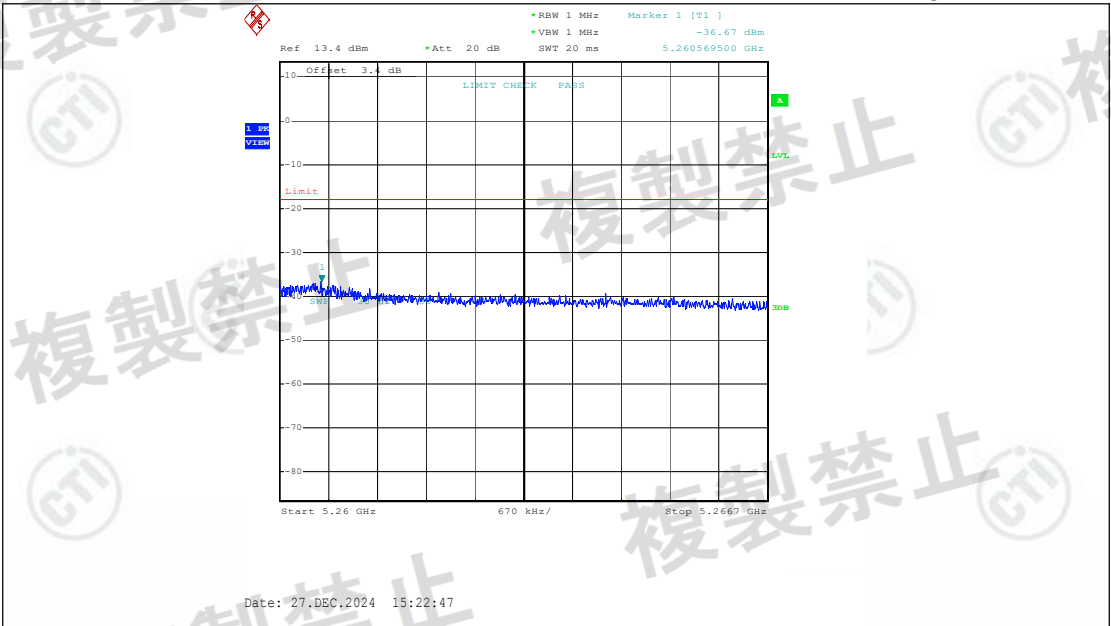
NTNV-11A-Ant1-5240-5142~5150-PASS



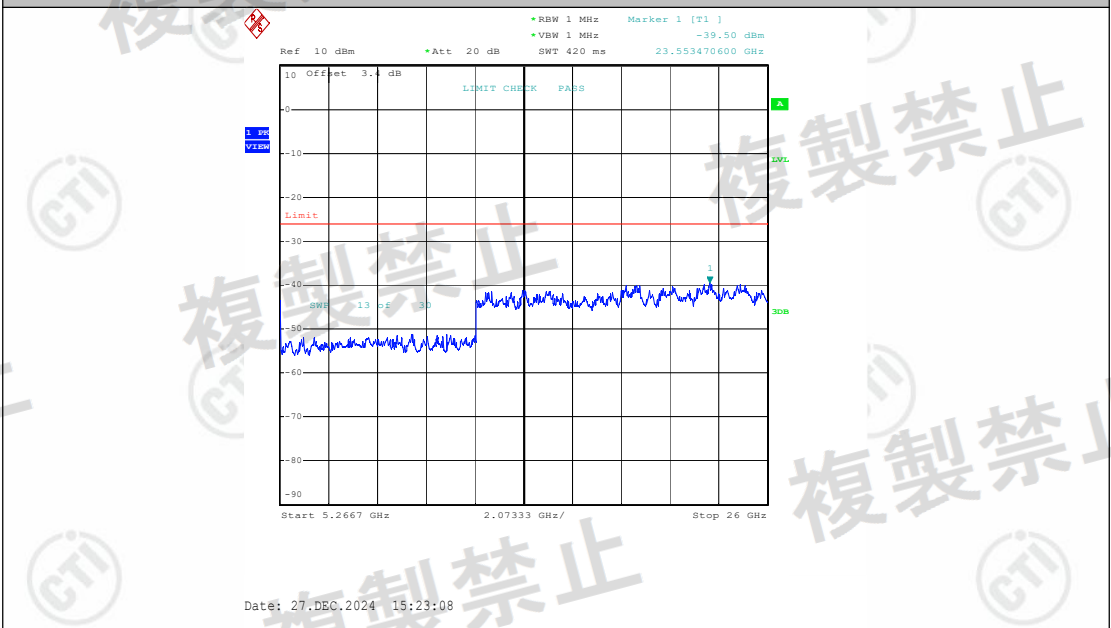
NTNV-11A-Ant1-5240-5250~5251-PASS



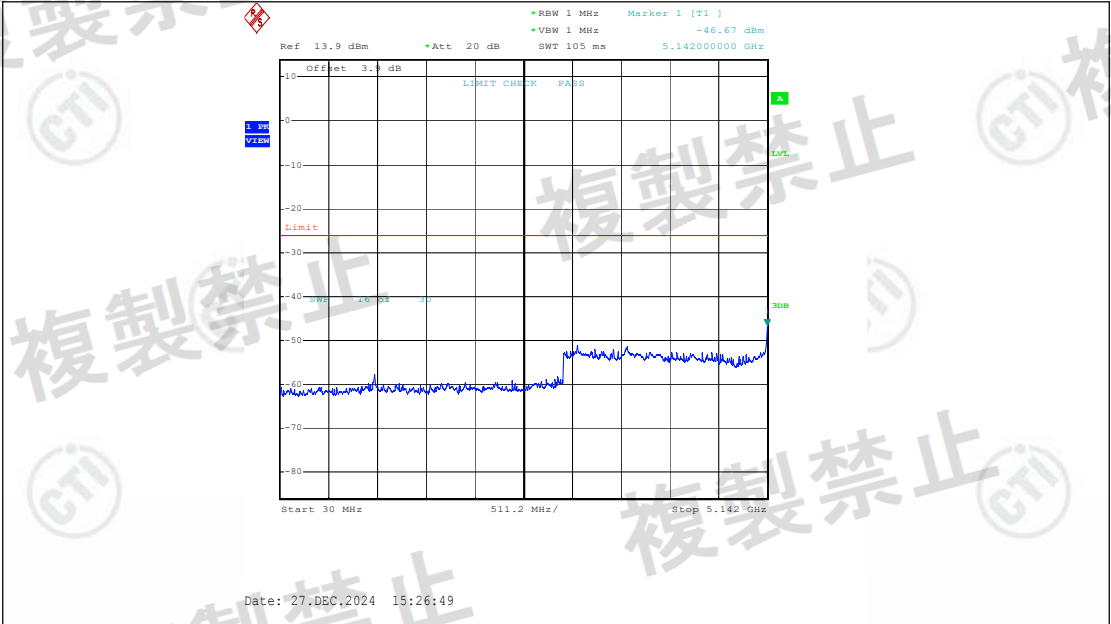
NTNV-11A-Ant1-5240-5251~5260-PASS



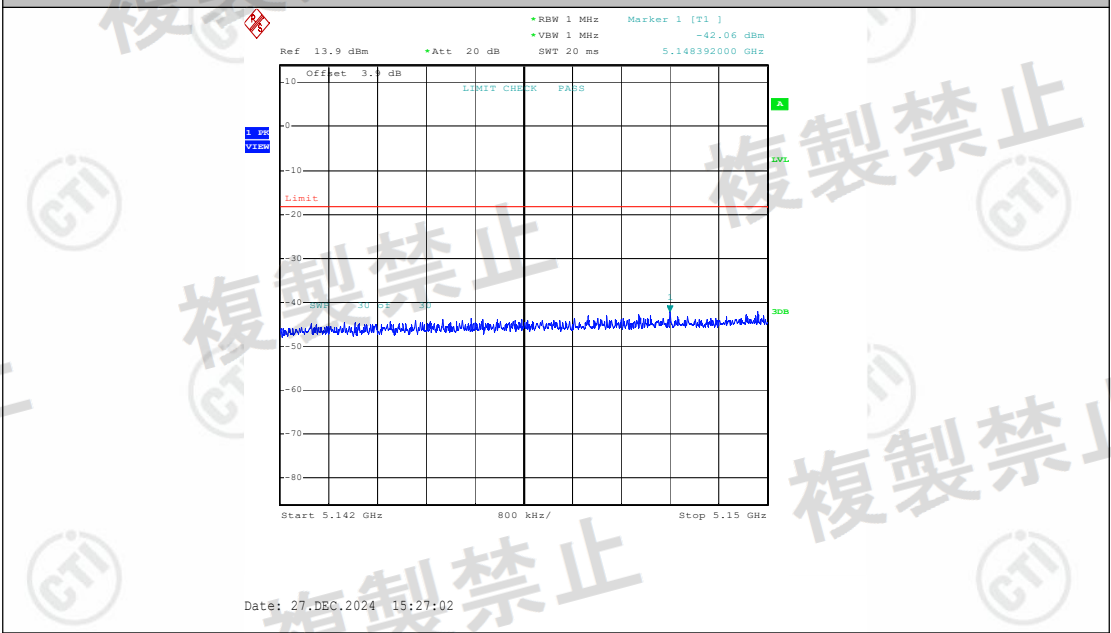
NTVN-11A-Ant1-5240-5260~5266.7-PASS



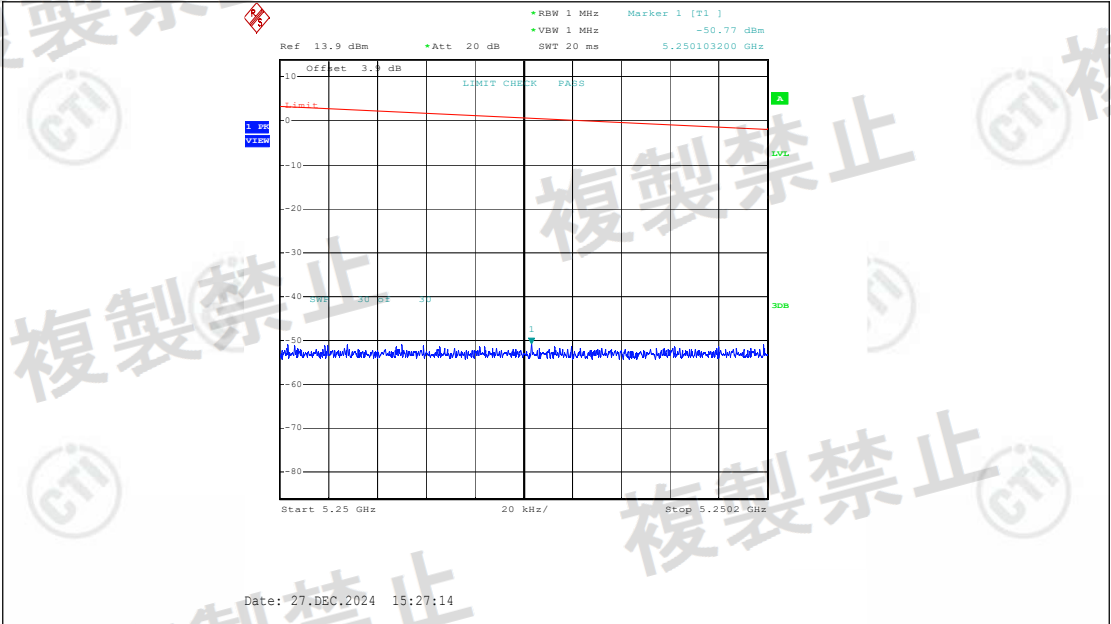
NTVN-11A-Ant1-5240-5266.7~26000-PASS



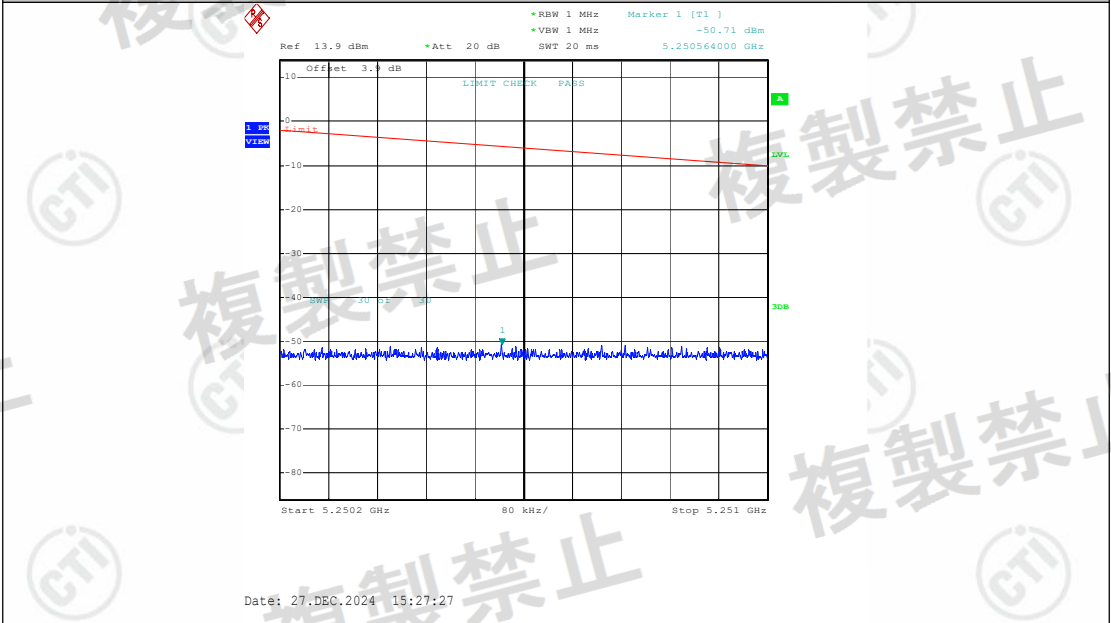
NTNV-11N20SISO-Ant1-5180-30~5142-PASS



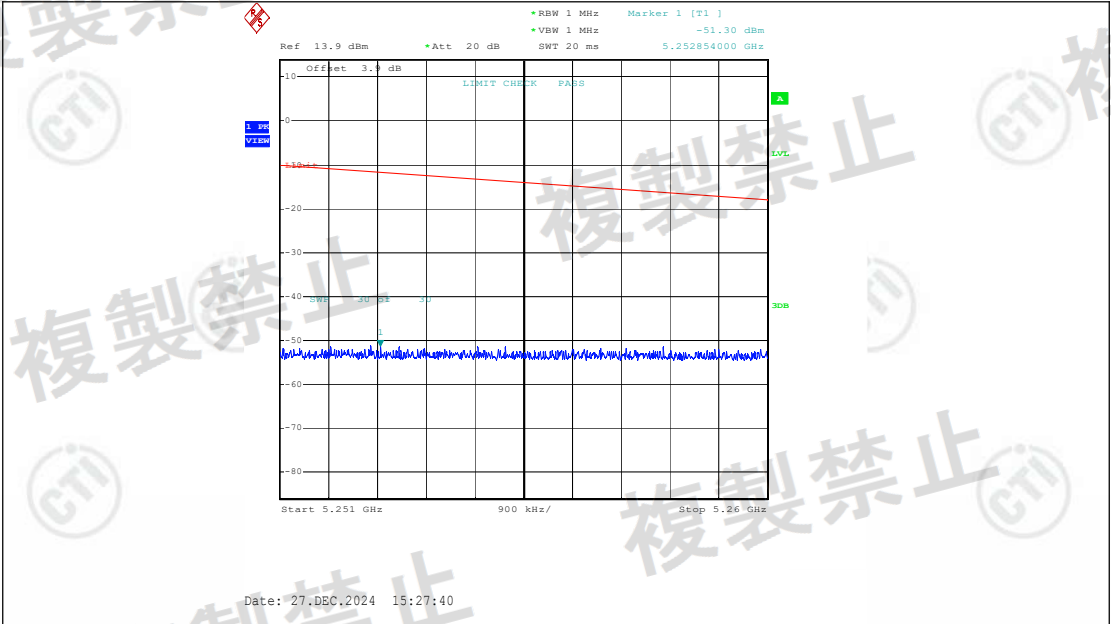
NTNV-11N20SISO-Ant1-5180-5142~5150-PASS



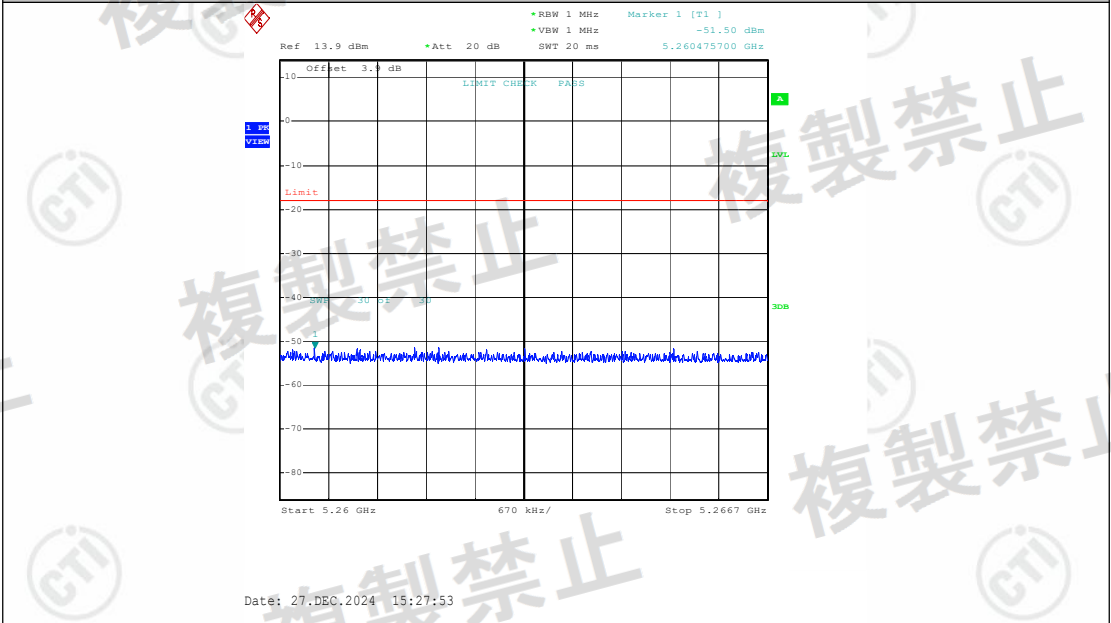
NTNV-11N20SISO-Ant1-5180-5250.2~5250.2-PASS



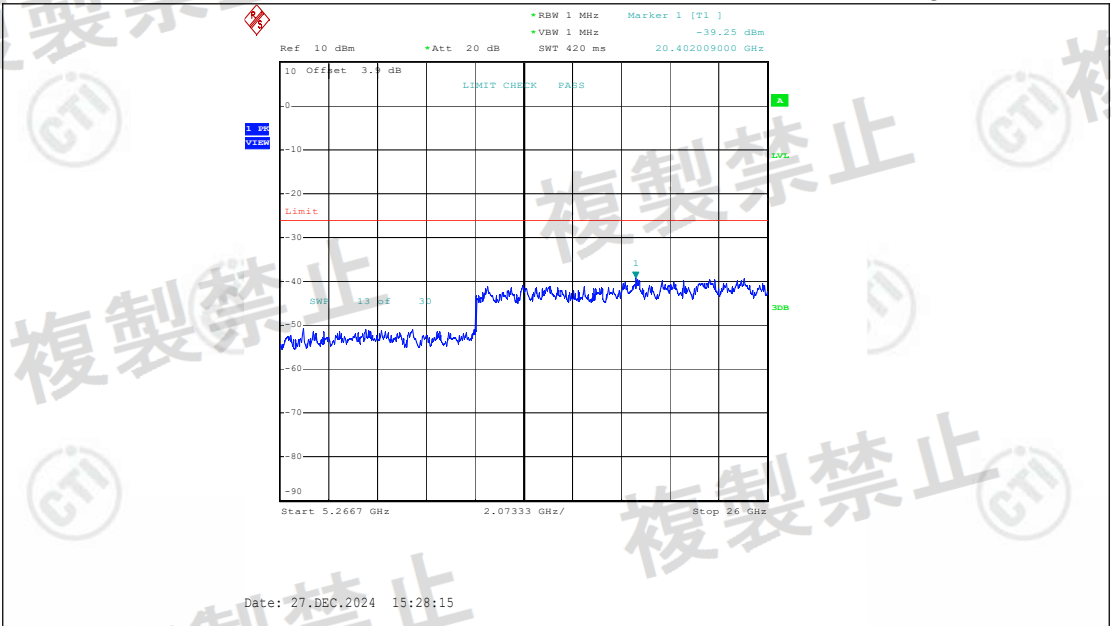
NTNV-11N20SISO-Ant1-5180-5250.2~5251-PASS



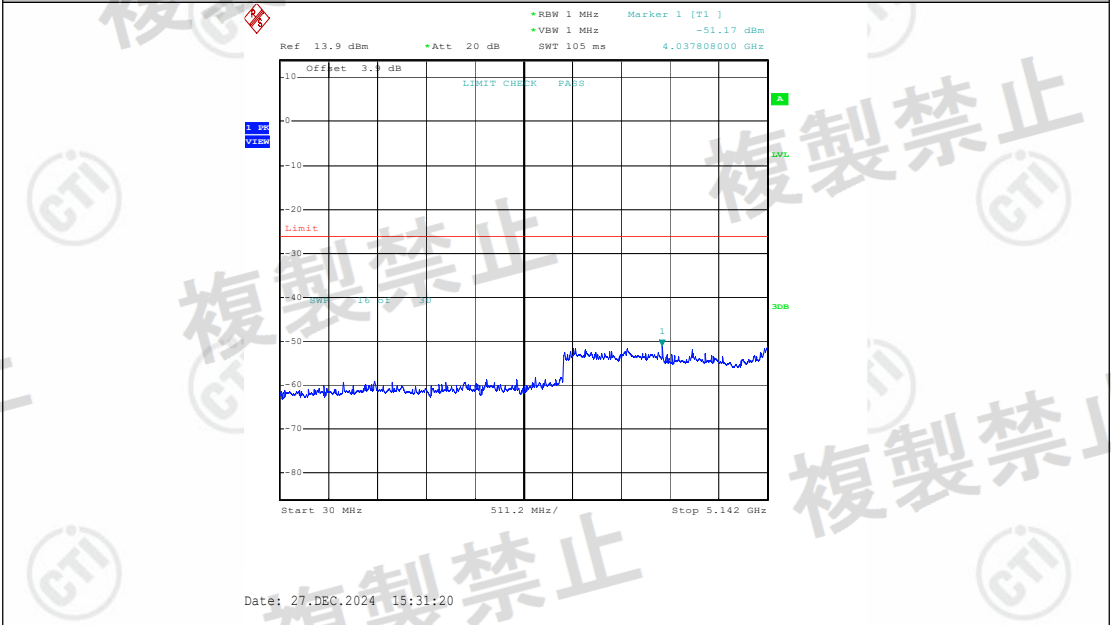
NTNV-11N20SISO-Ant1-5180-5251~5260-PASS



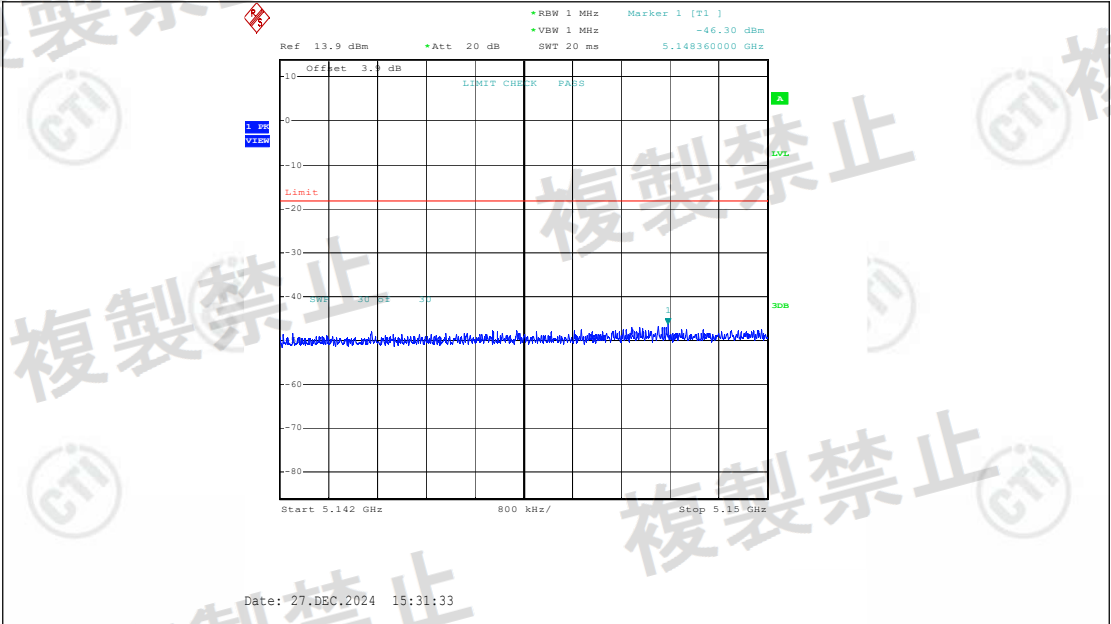
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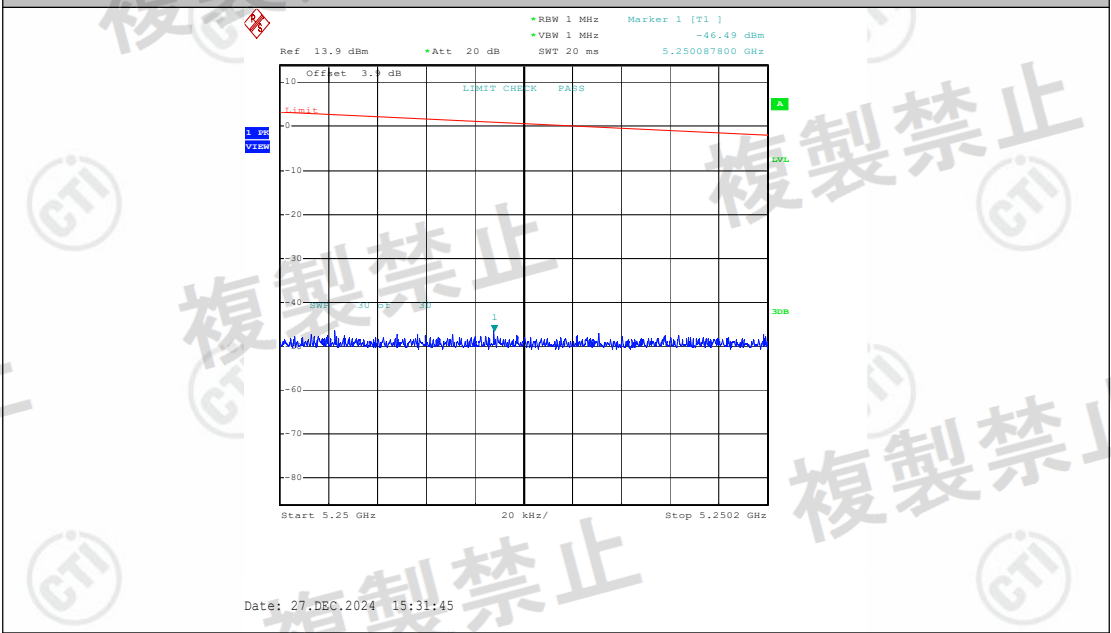
NTNV-11N20SISO-Ant1-5180-5266.7~26000-PASS



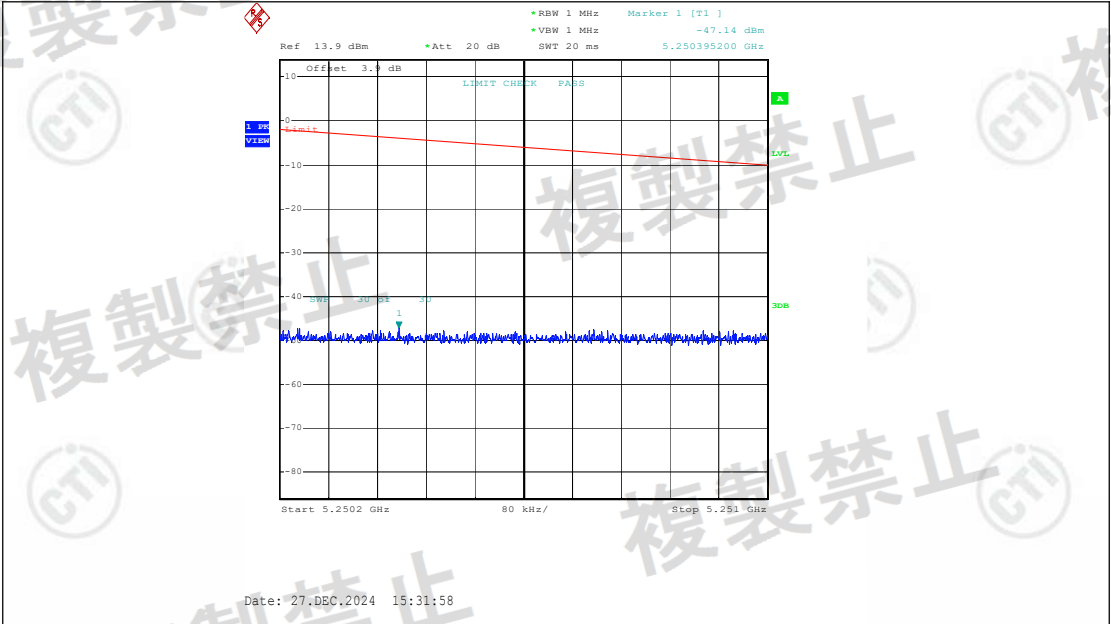
NTNV-11N20SISO-Ant1-5200-30~5142-PASS



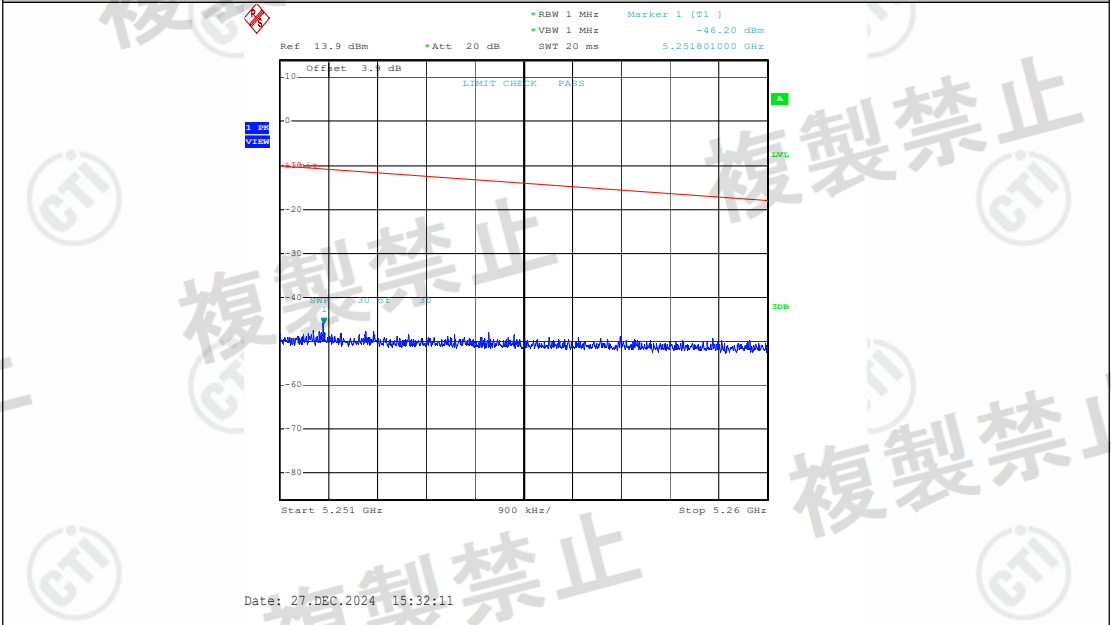
NTVN-11N20SISO-Ant1-5200-5142~5150-PASS



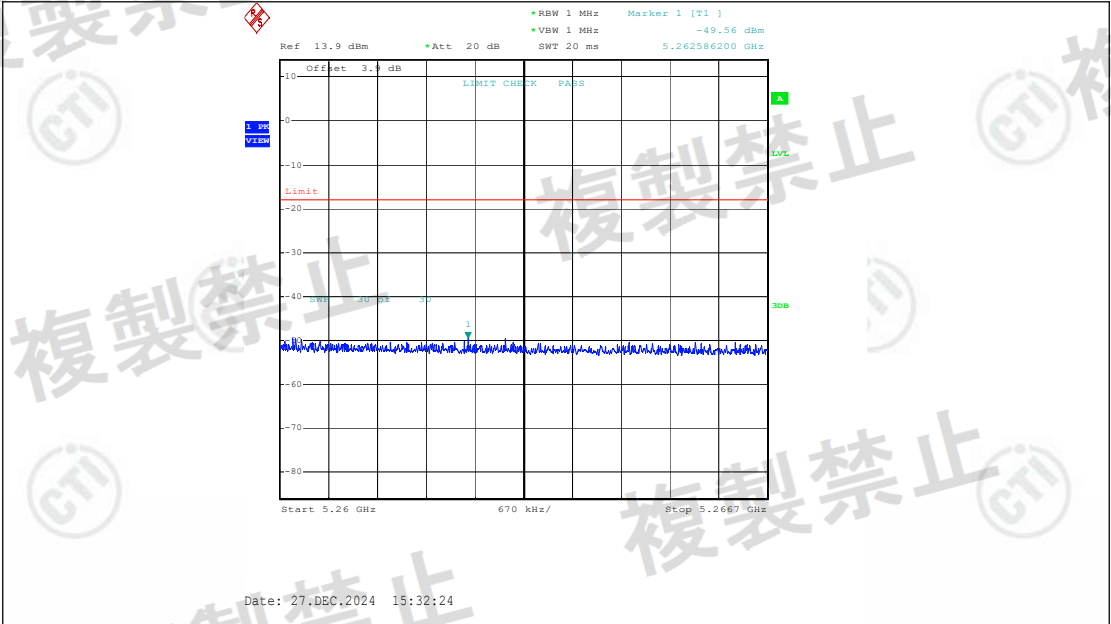
NTVN-11N20SISO-Ant1-5200-5250~5250.2-PASS



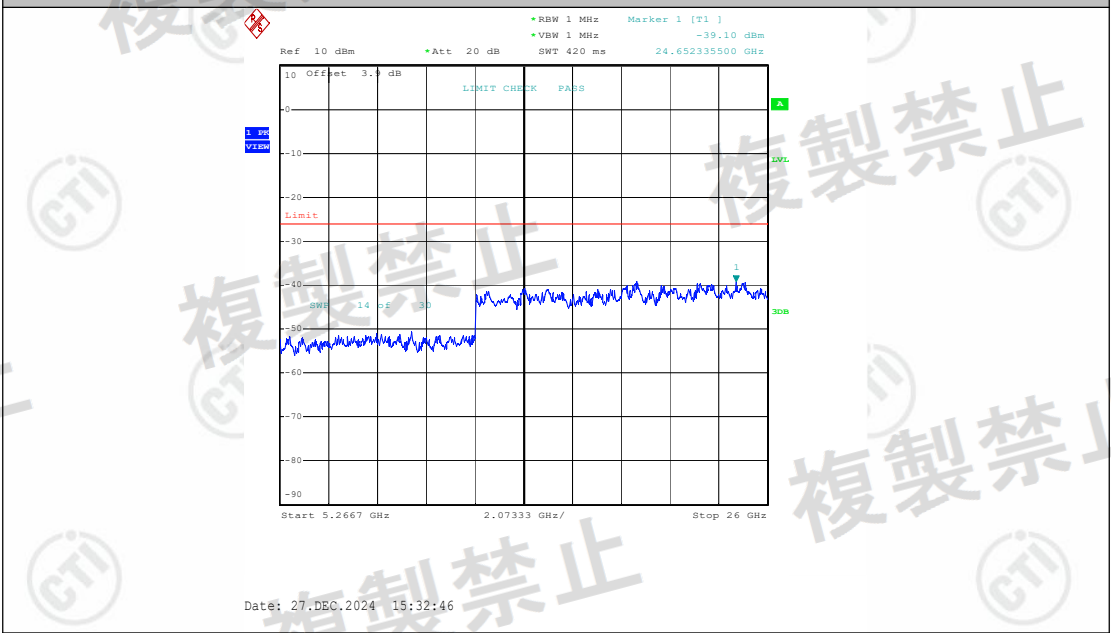
NTNV-11N20SISO-Ant1-5200-5250.2~5251-PASS



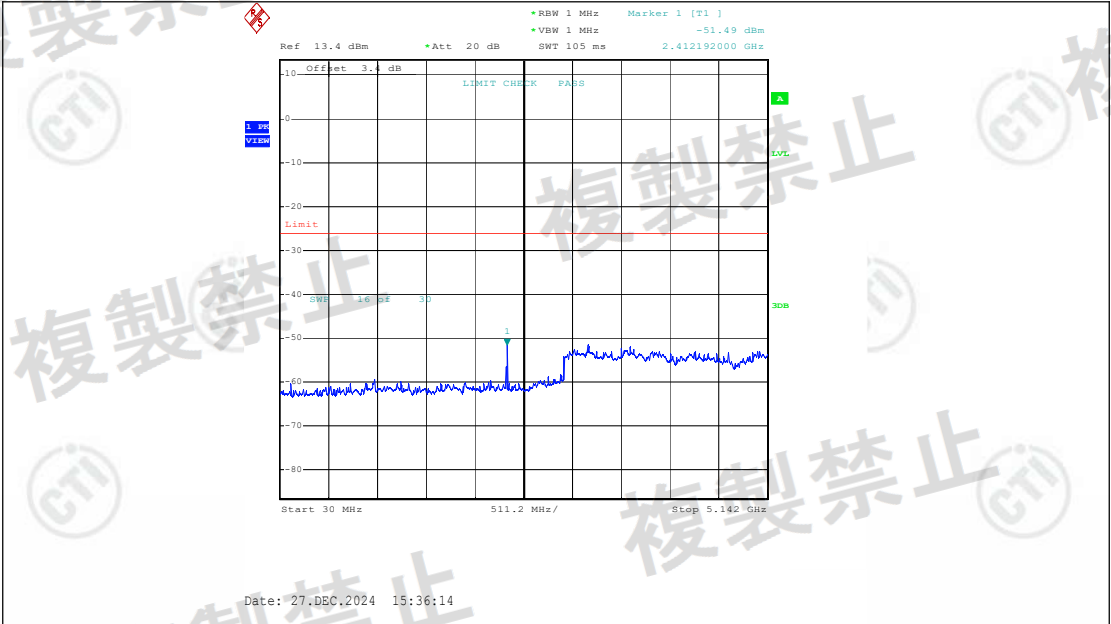
NTNV-11N20SISO-Ant1-5200-5251~5260-PASS



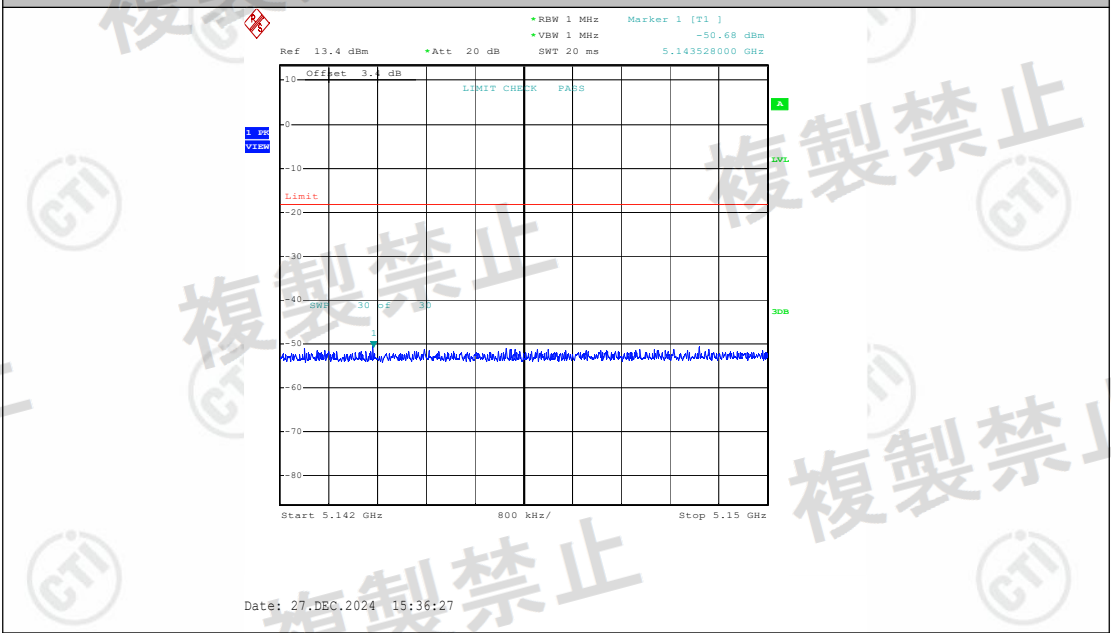
NTNV-11N20SISO-Ant1-5200-5260~5266.7-PASS



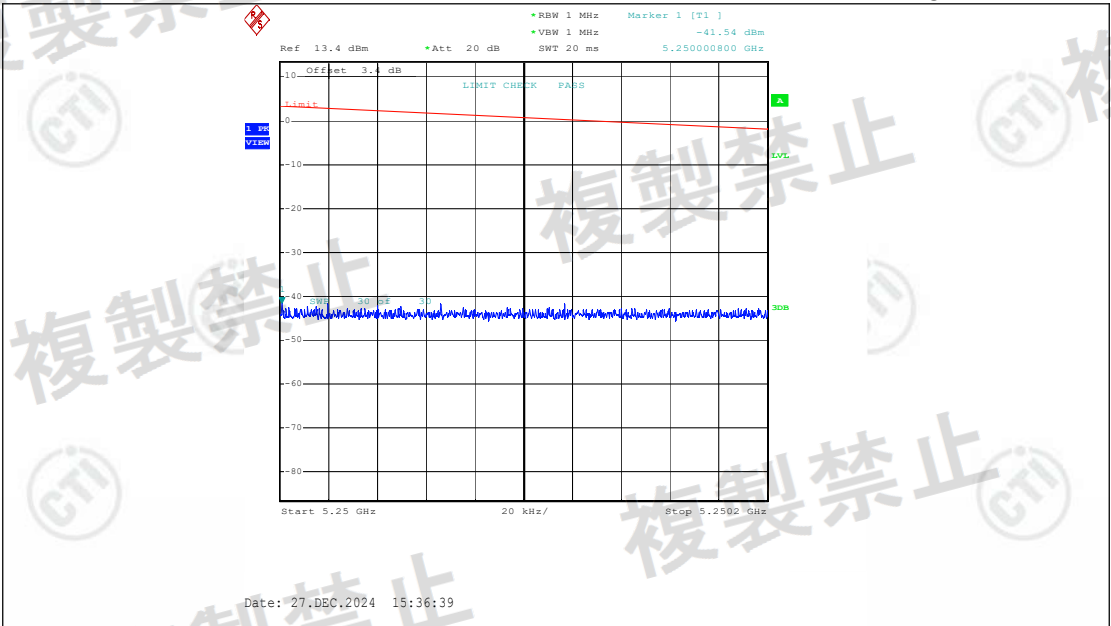
NTNV-11N20SISO-Ant1-5200-5266.7~26000-PASS



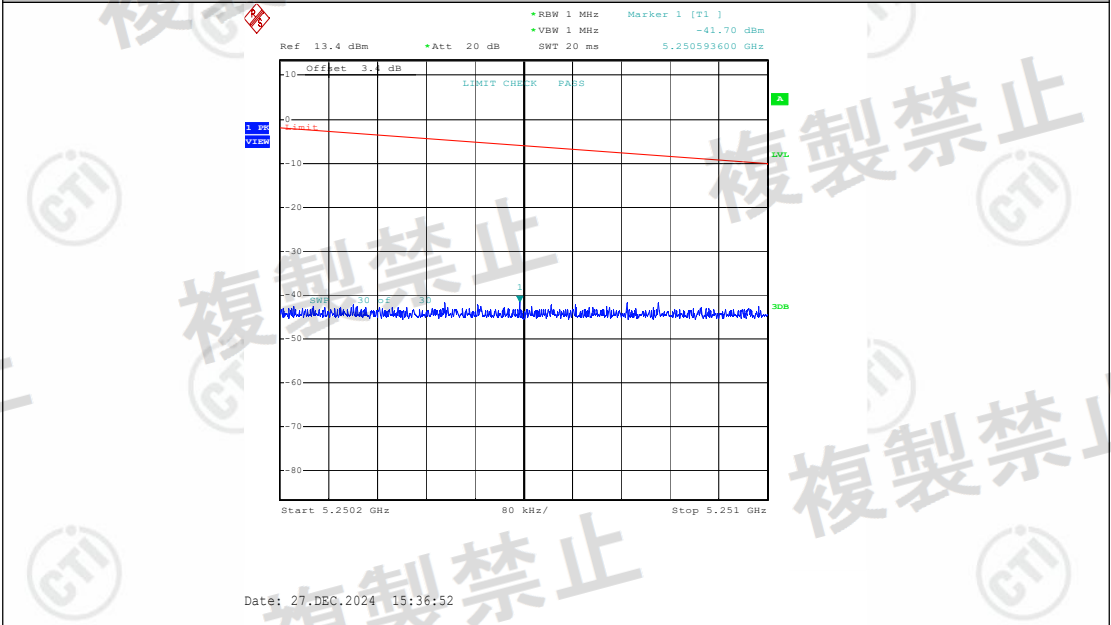
NTNV-11N20SISO-Ant1-5220-30~5142-PASS



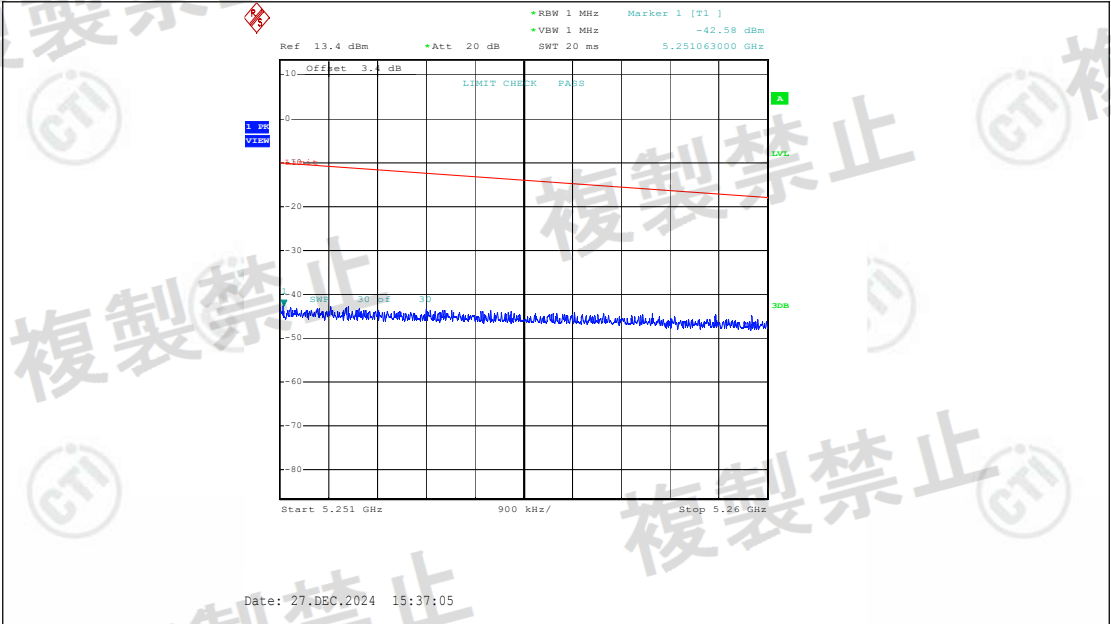
NTNV-11N20SISO-Ant1-5220-5142~5150-PASS



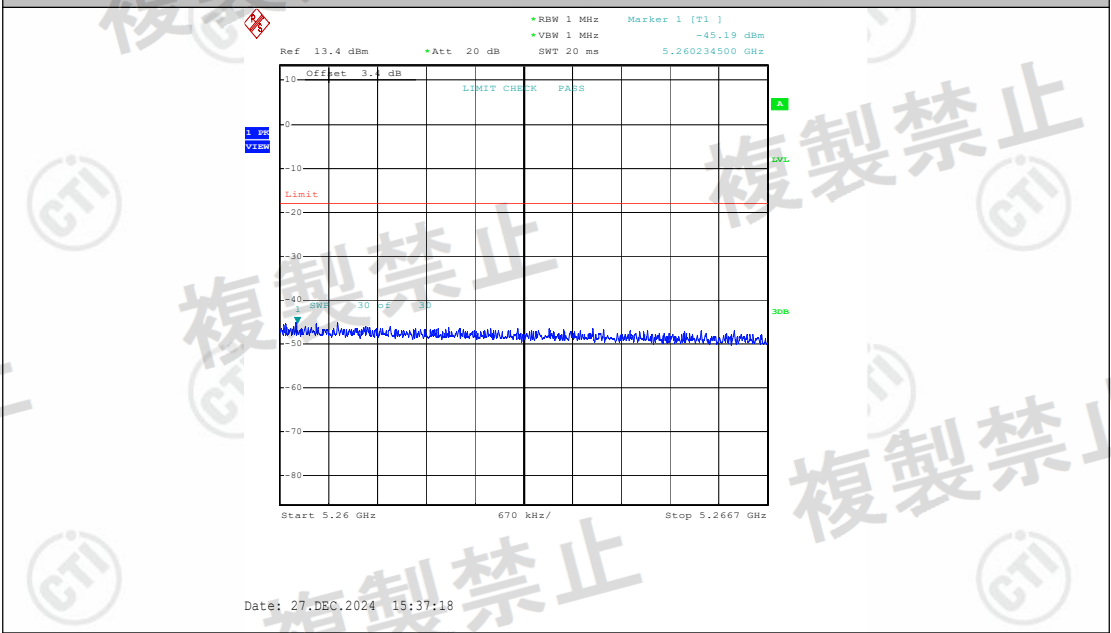
NTNV-11N20SISO-Ant1-5220-5250~5250.2-PASS



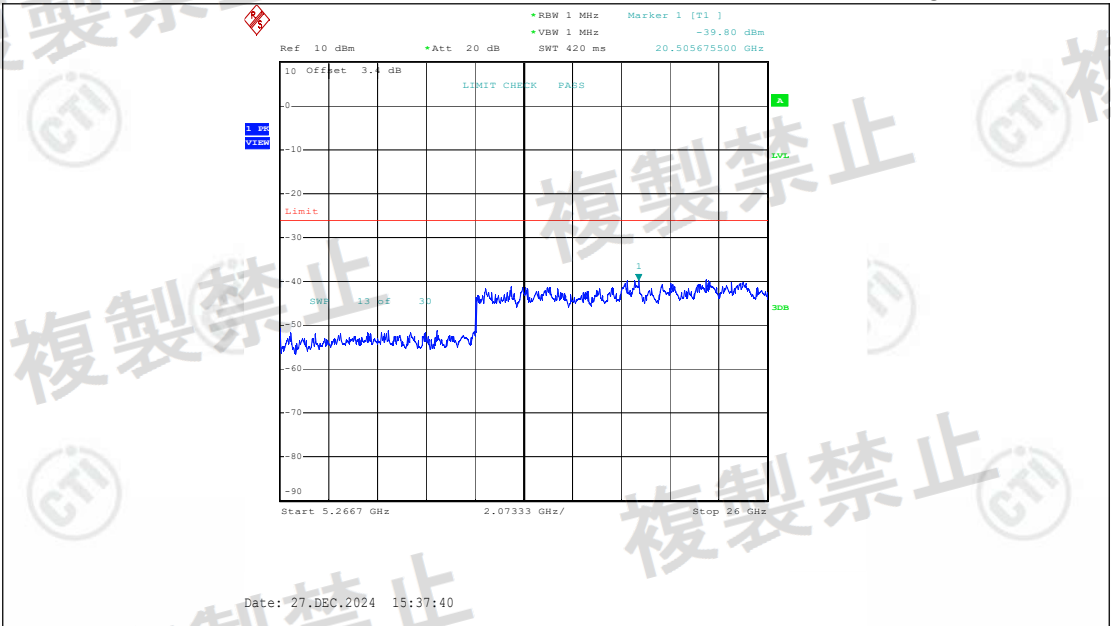
NTNV-11N20SISO-Ant1-5220-5250.2~5251-PASS



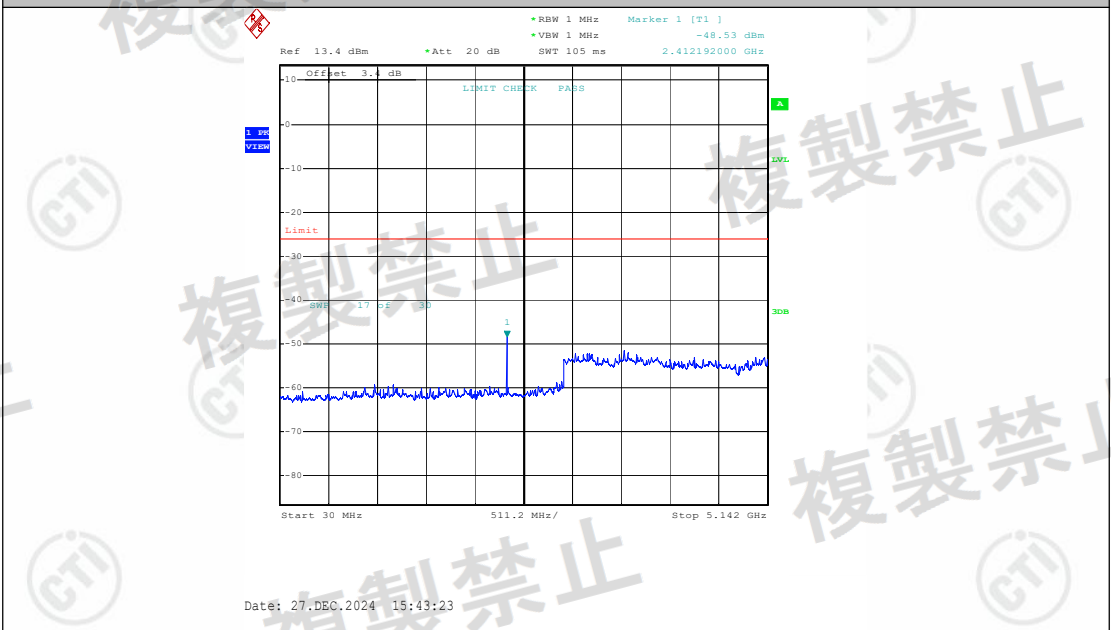
NTNV-11N20SISO-Ant1-5220-5251~5260-PASS



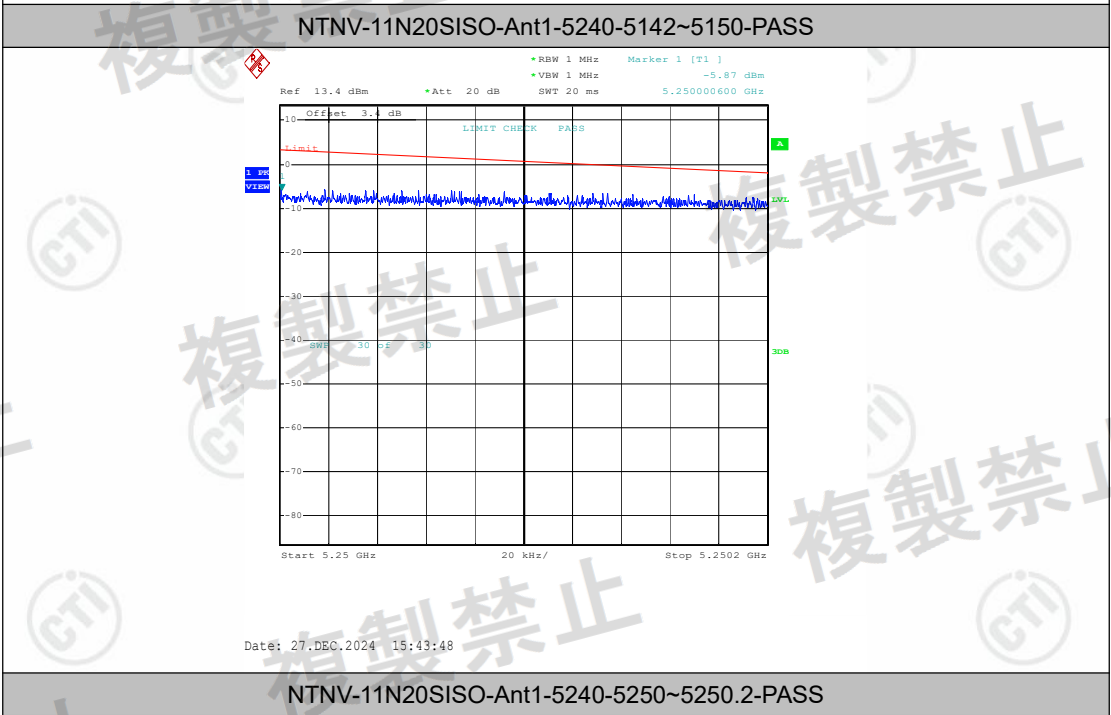
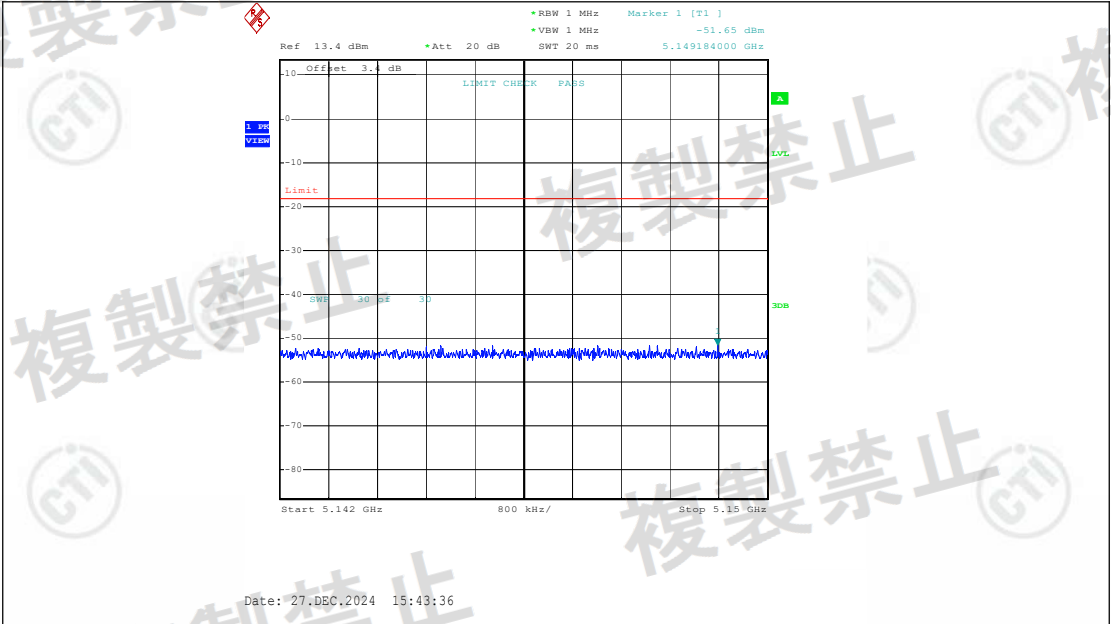
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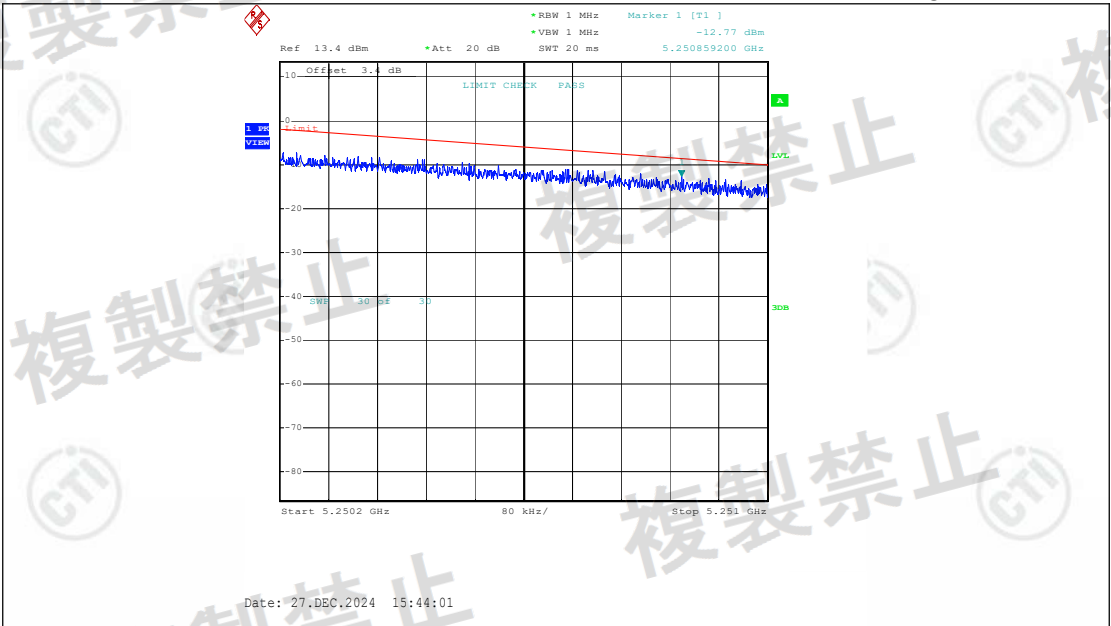


NTNV-11N20SISO-Ant1-5220-5266.7~26000-PASS

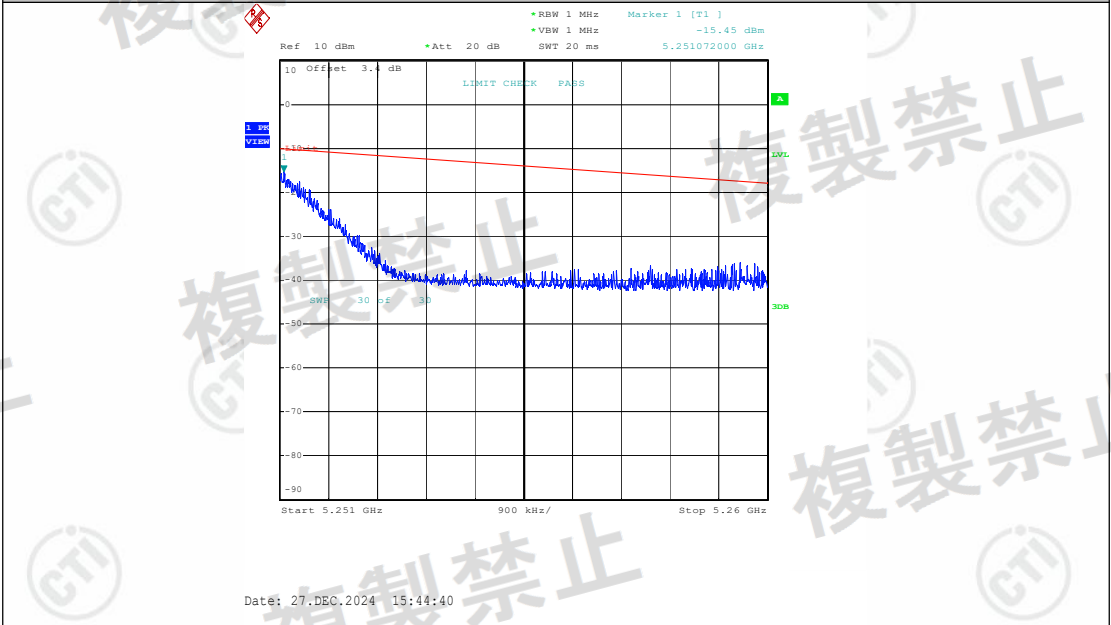


NTNV-11N20SISO-Ant1-5240-30~5142-PASS

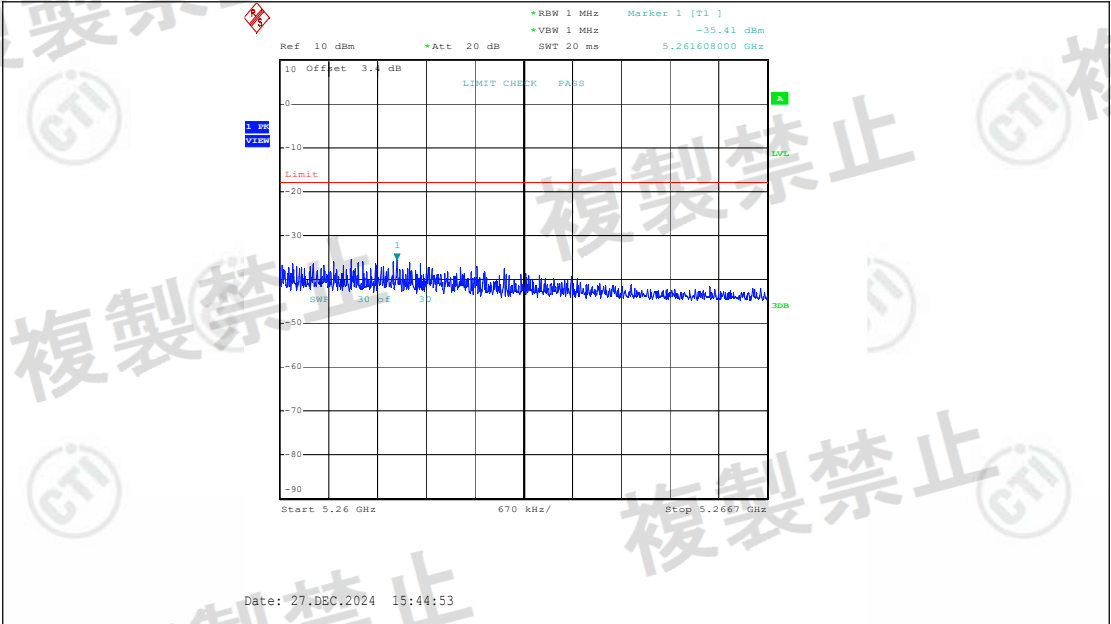




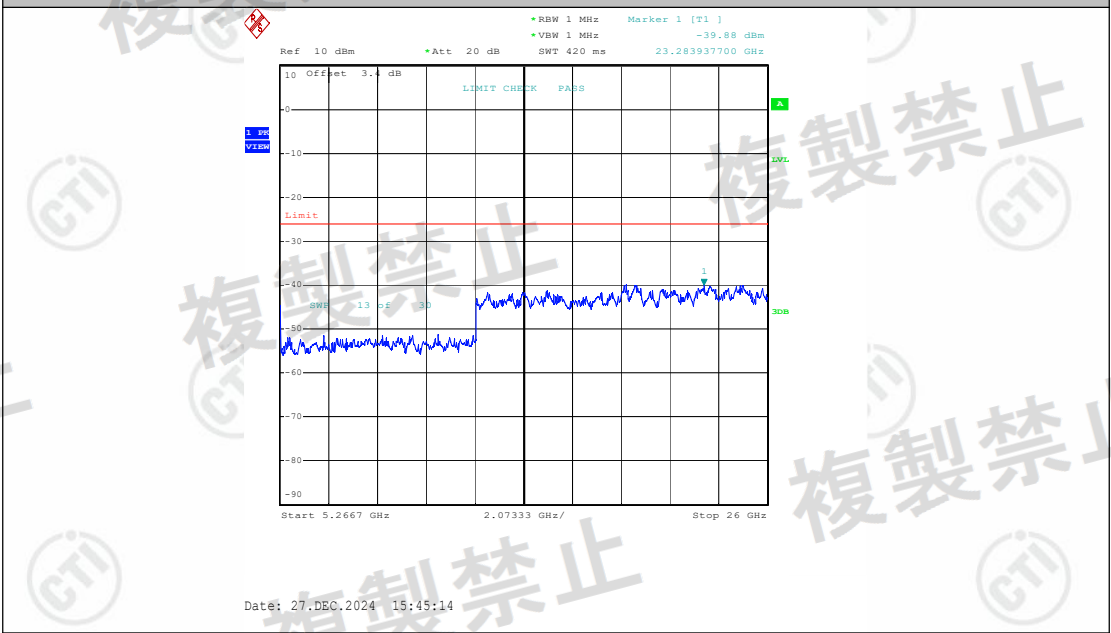
NTNV-11N20SISO-Ant1-5240-5250.2~5251-See table below



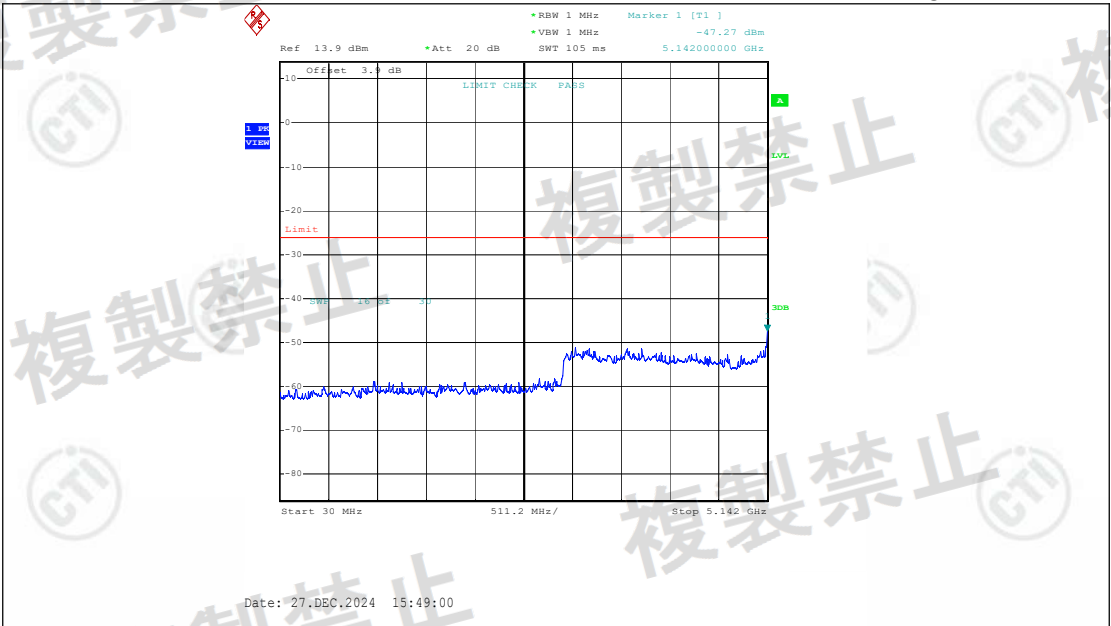
NTNV-11N20SISO-Ant1-5240-5251~5260-PASS



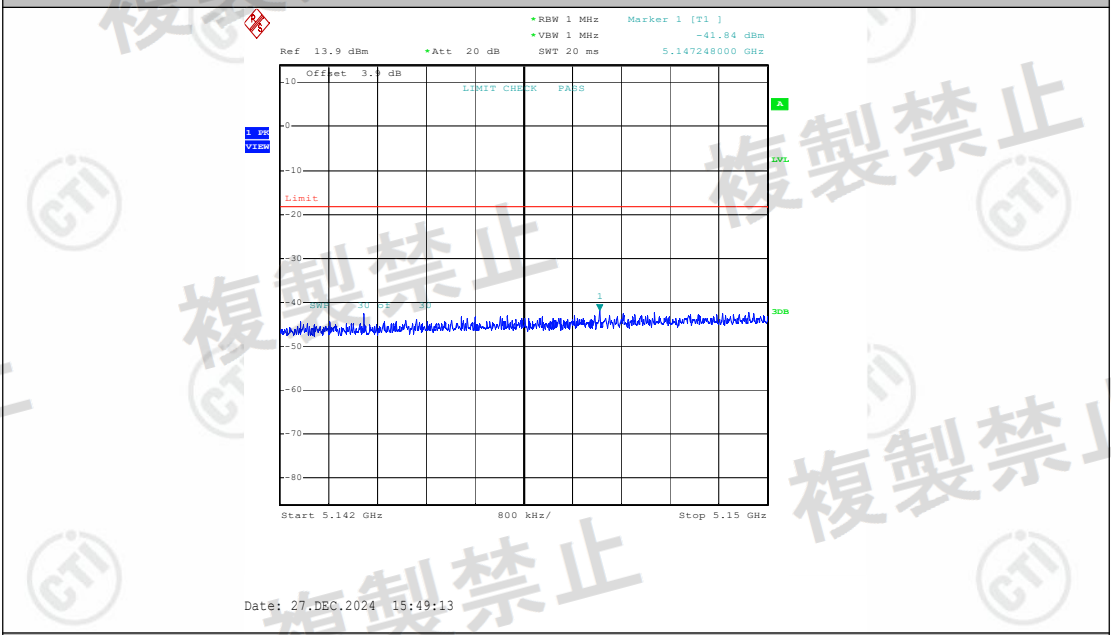
NTNV-11N20SISO-Ant1-5240-5260~5266.7-PASS



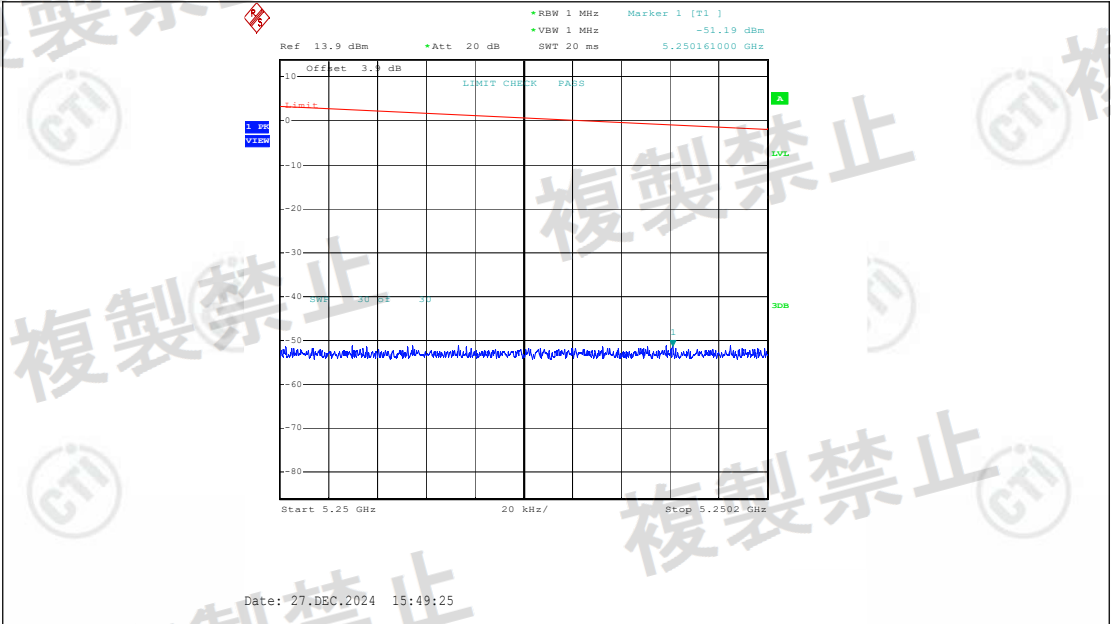
NTNV-11N20SISO-Ant1-5240-5266.7~26000-PASS



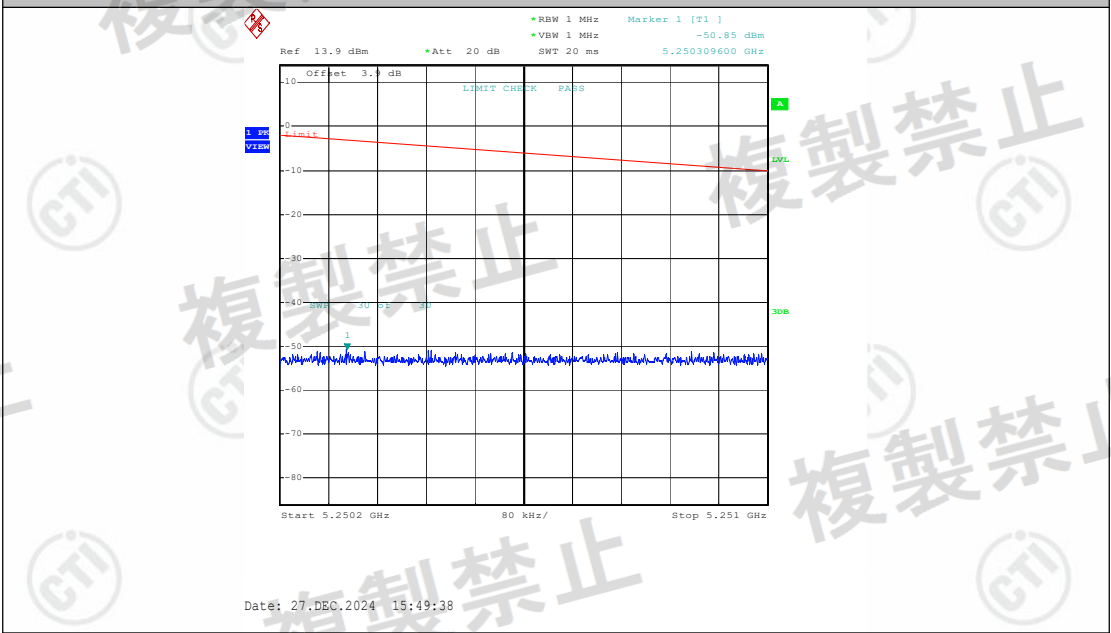
NTNV-11AC20SISO-Ant1-5180-30~5142-PASS



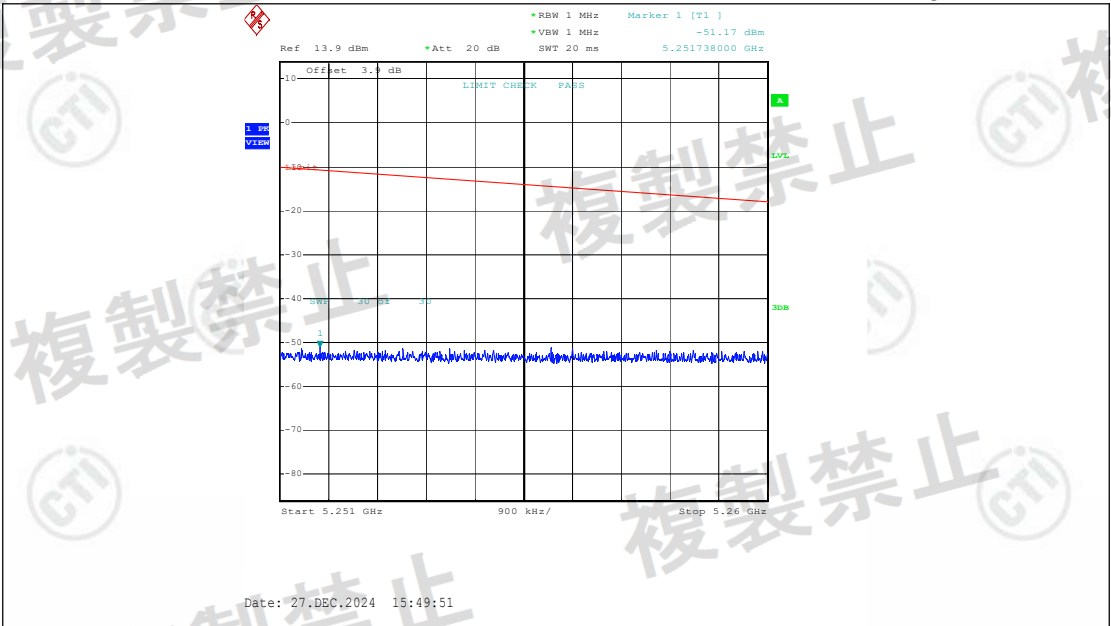
NTNV-11AC20SISO-Ant1-5180-5142~5150-PASS



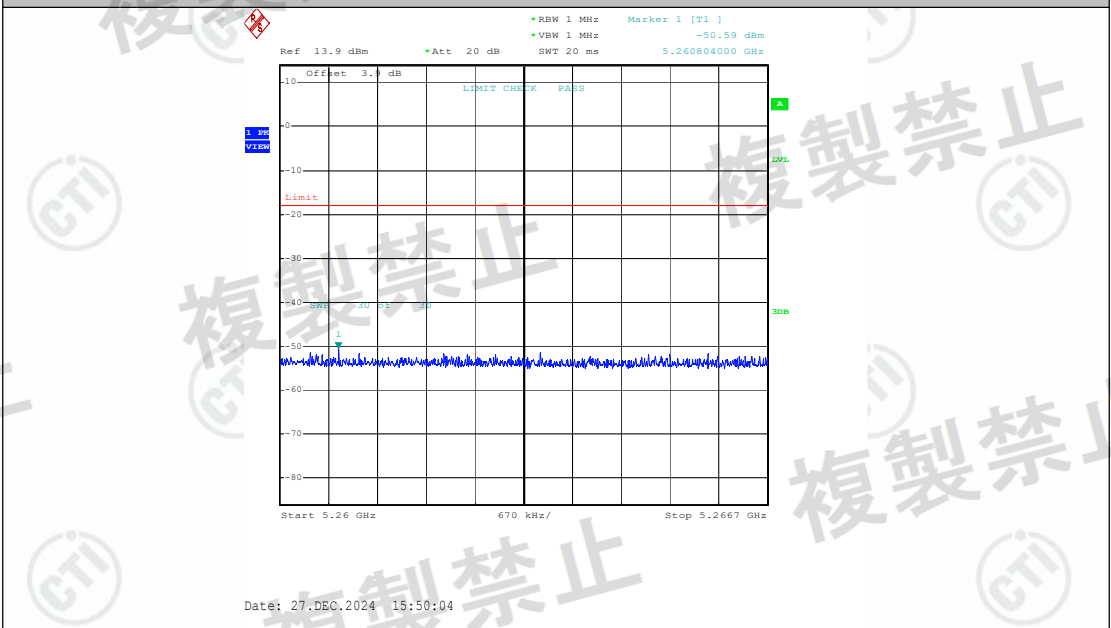
NTNV-11AC20SISO-Ant1-5180-5250~5250.2-PASS



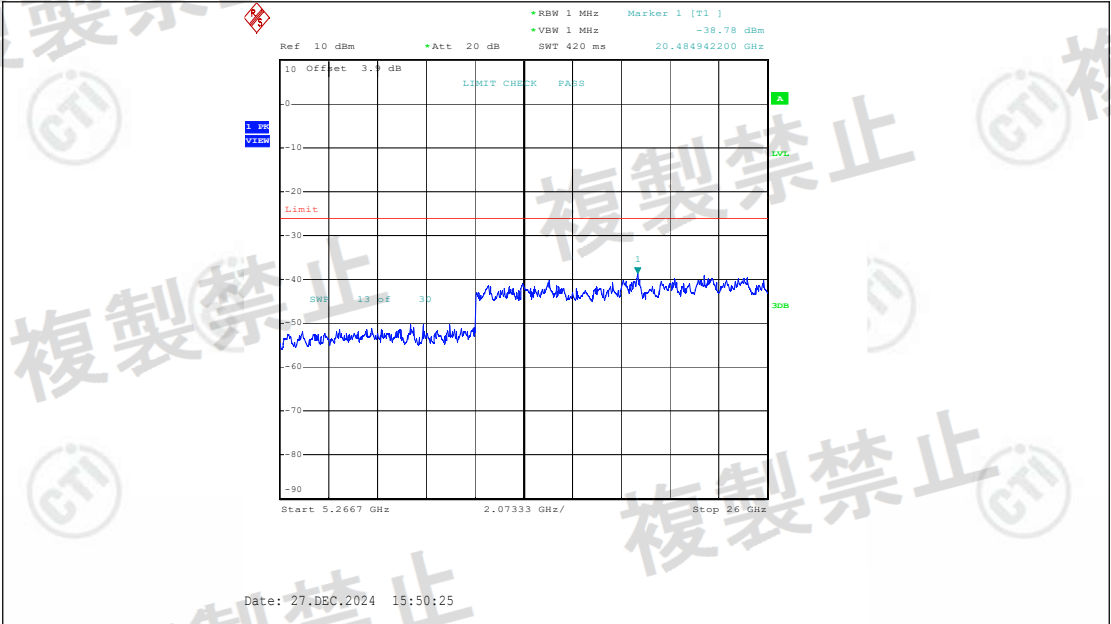
NTNV-11AC20SISO-Ant1-5180-5250.2~5251-PASS



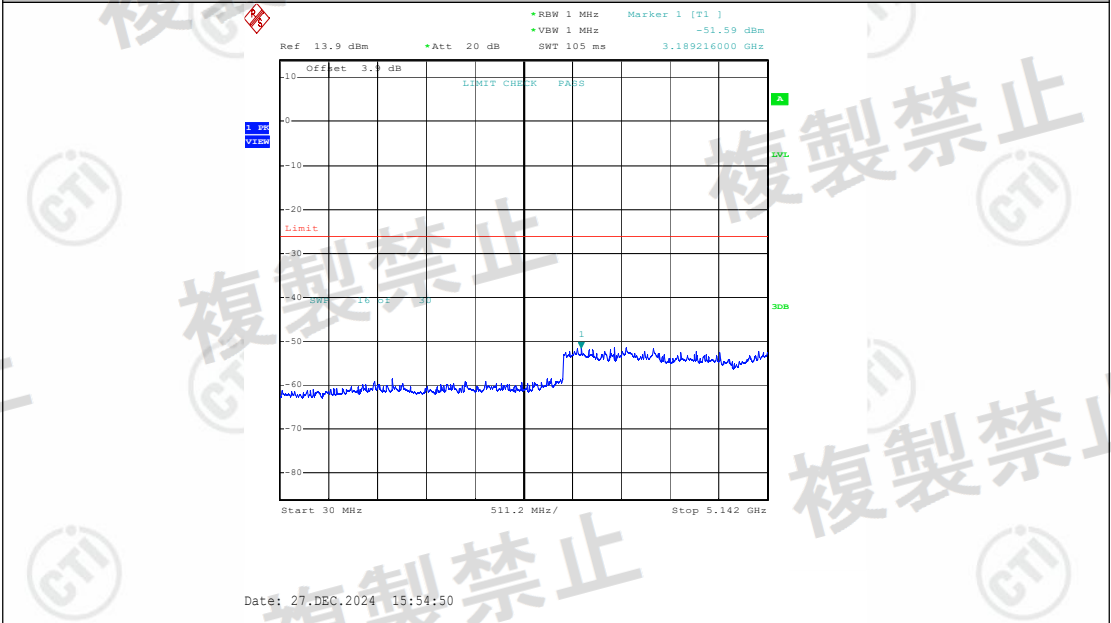
NTNV-11AC20SISO-Ant1-5180-5251~5260-PASS



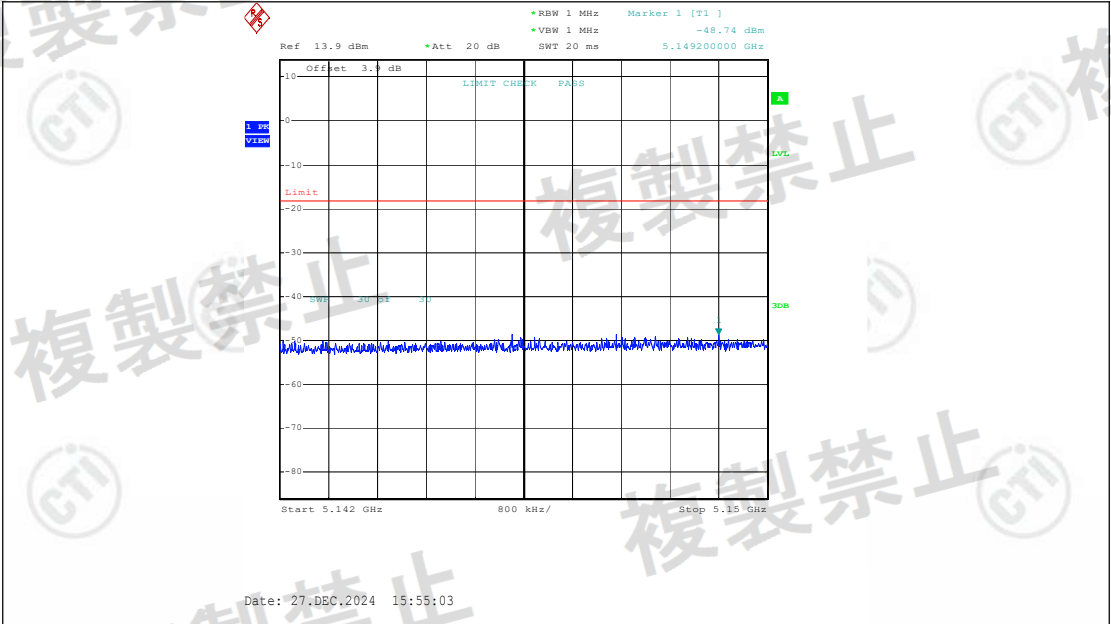
NTNV-11AC20SISO-Ant1-5180-5260~5266.7-PASS



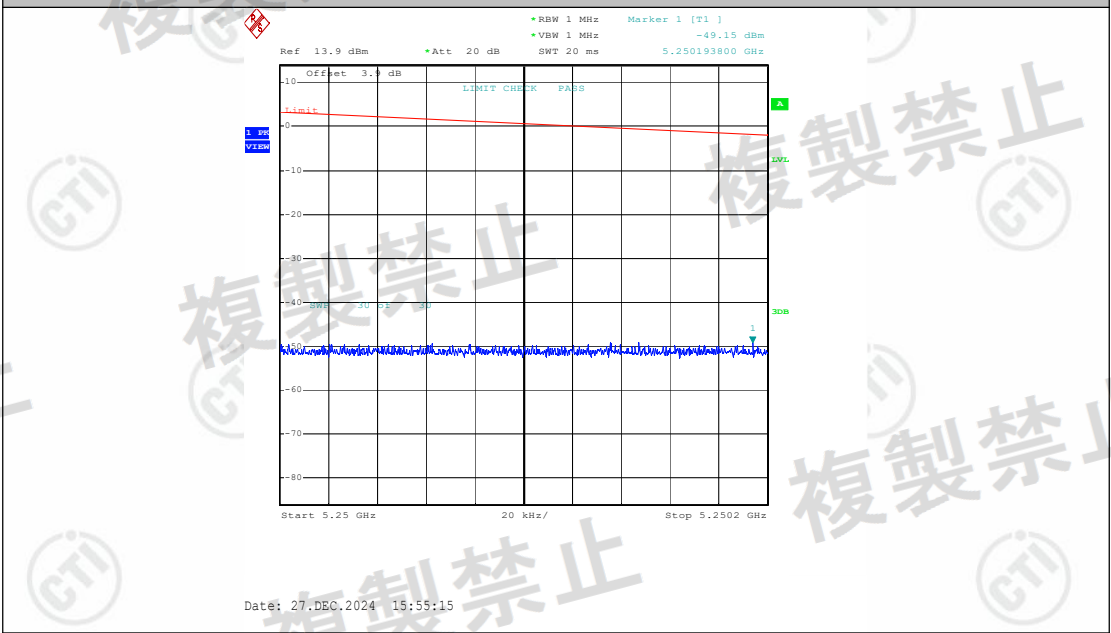
NTNV-11AC20SISO-Ant1-5180-5266.7~26000-PASS



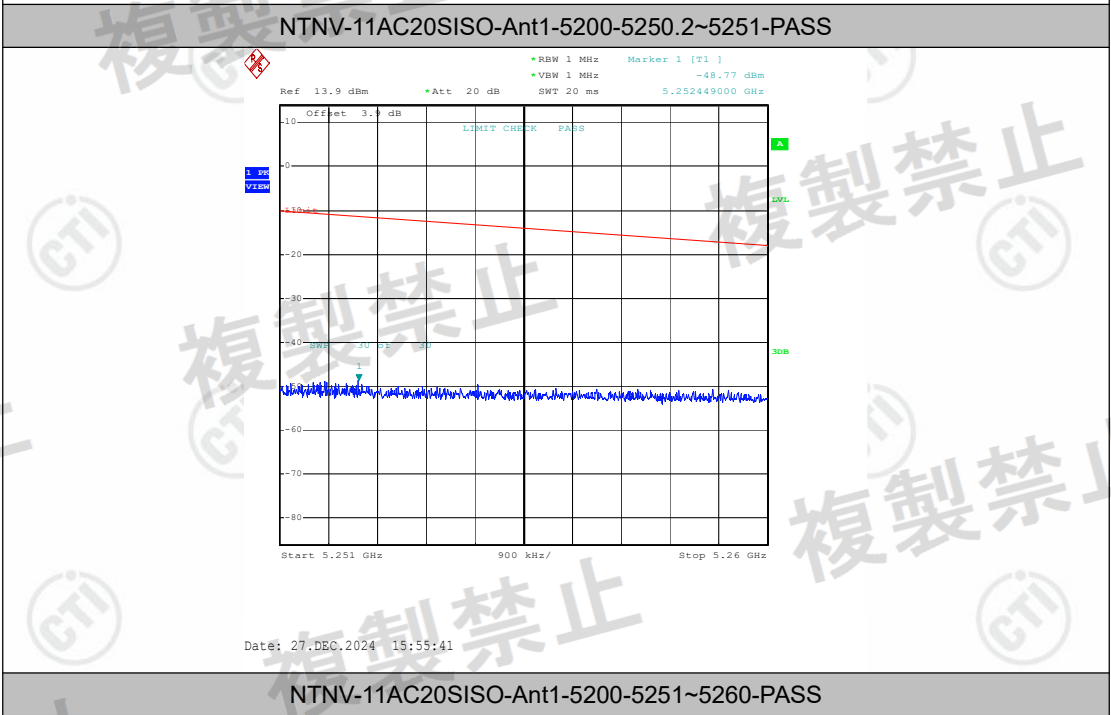
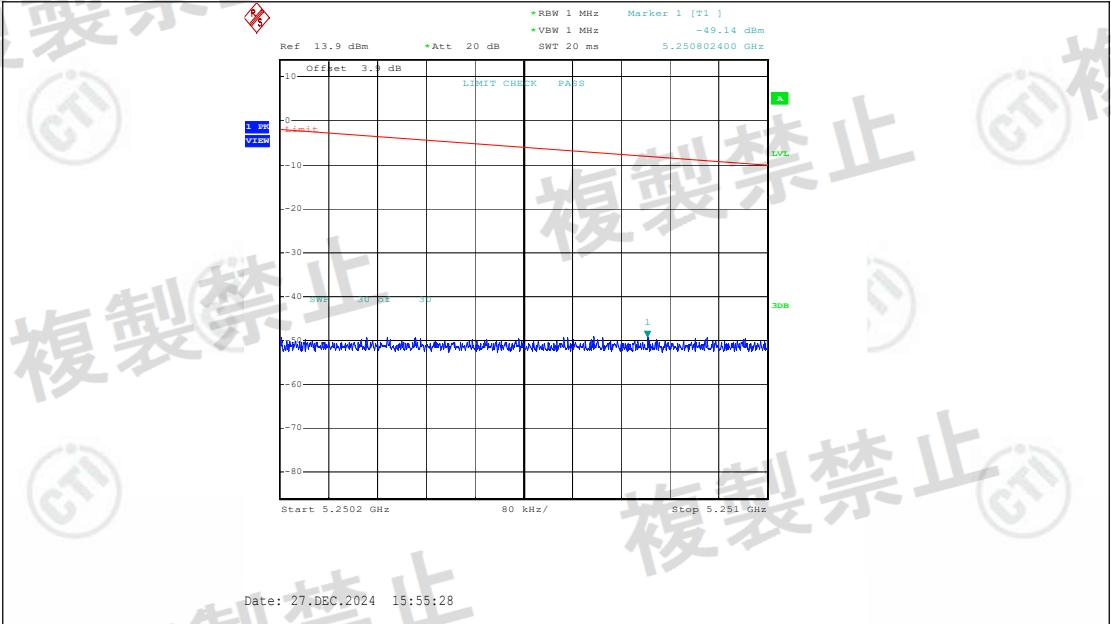
NTNV-11AC20SISO-Ant1-5200-30~5142-PASS

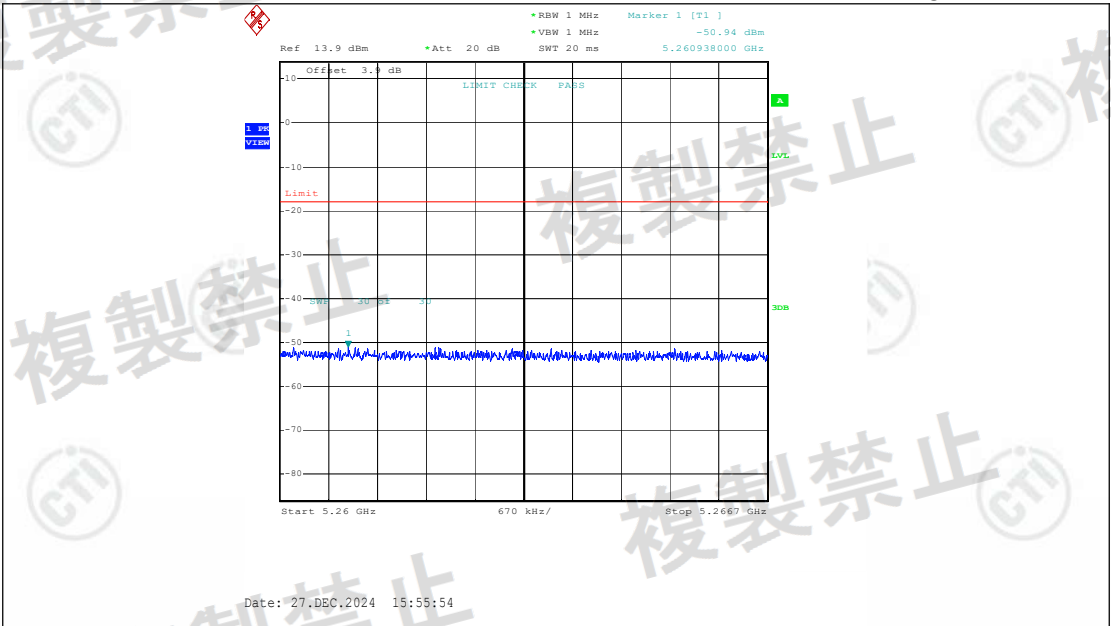


NTNV-11AC20SISO-Ant1-5200-5142~5150-PASS

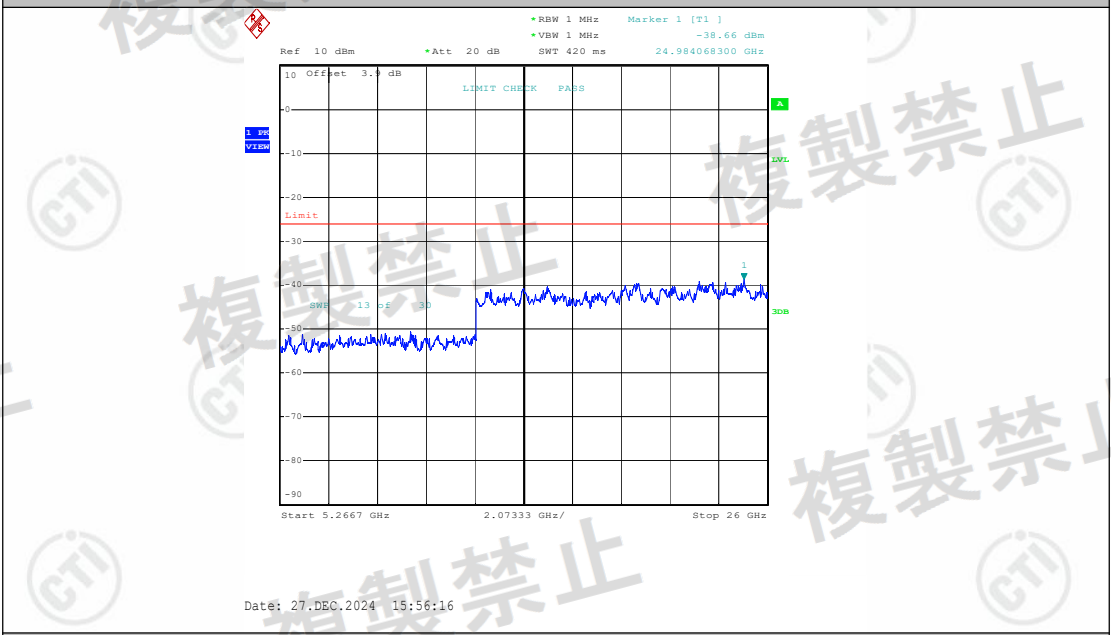


NTNV-11AC20SISO-Ant1-5200-5250~5250.2-PASS

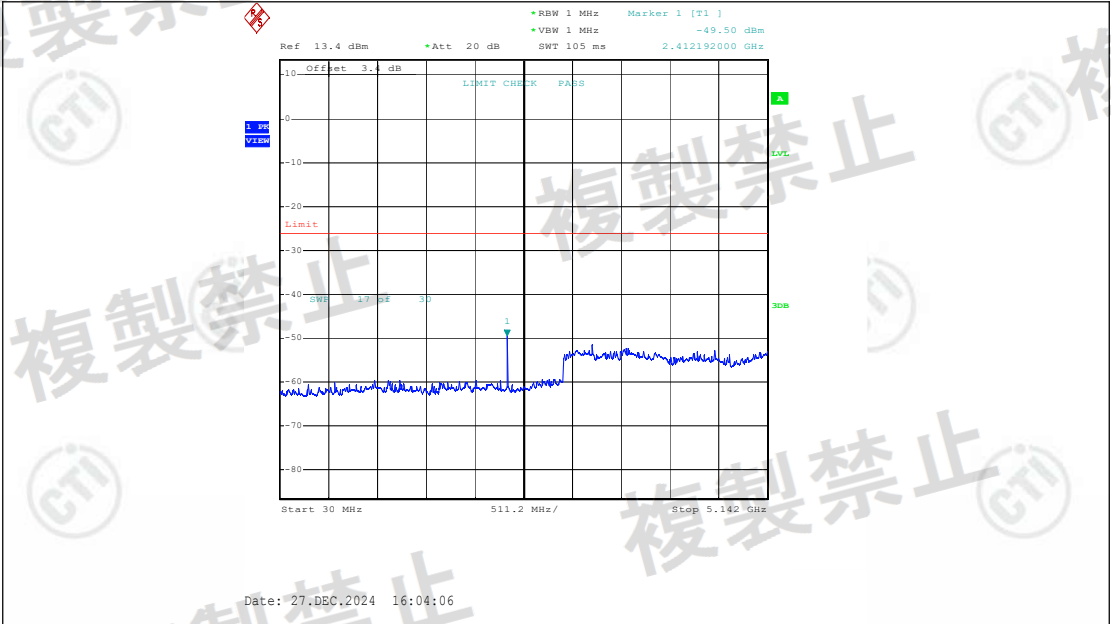




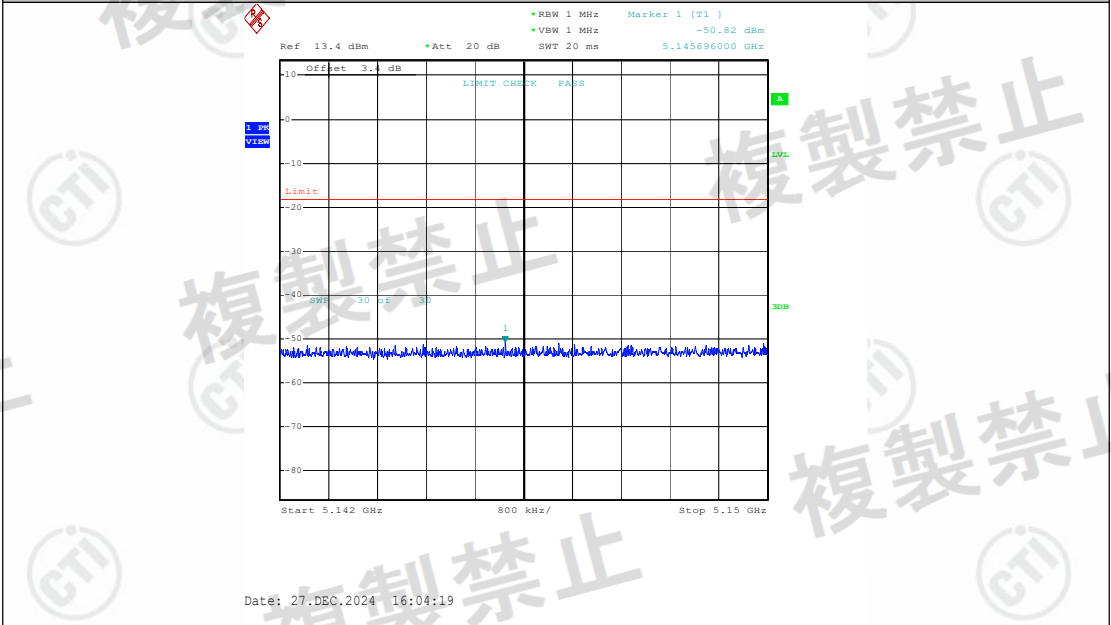
NTNV-11AC20SISO-Ant1-5200-5260~5266.7-PASS



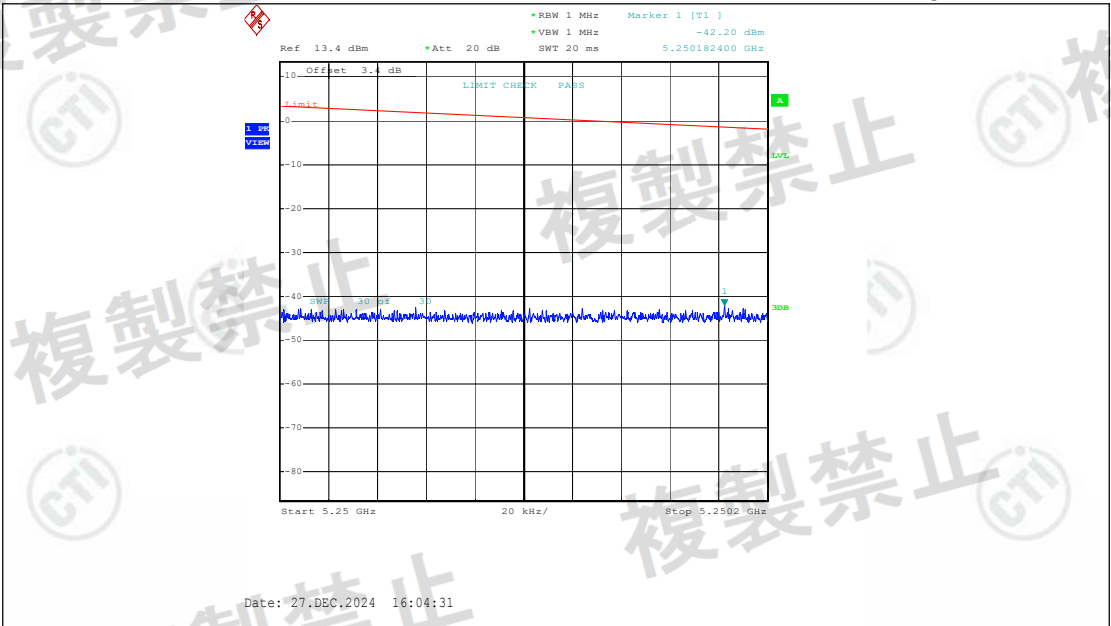
NTNV-11AC20SISO-Ant1-5200-5266.7~26000-PASS



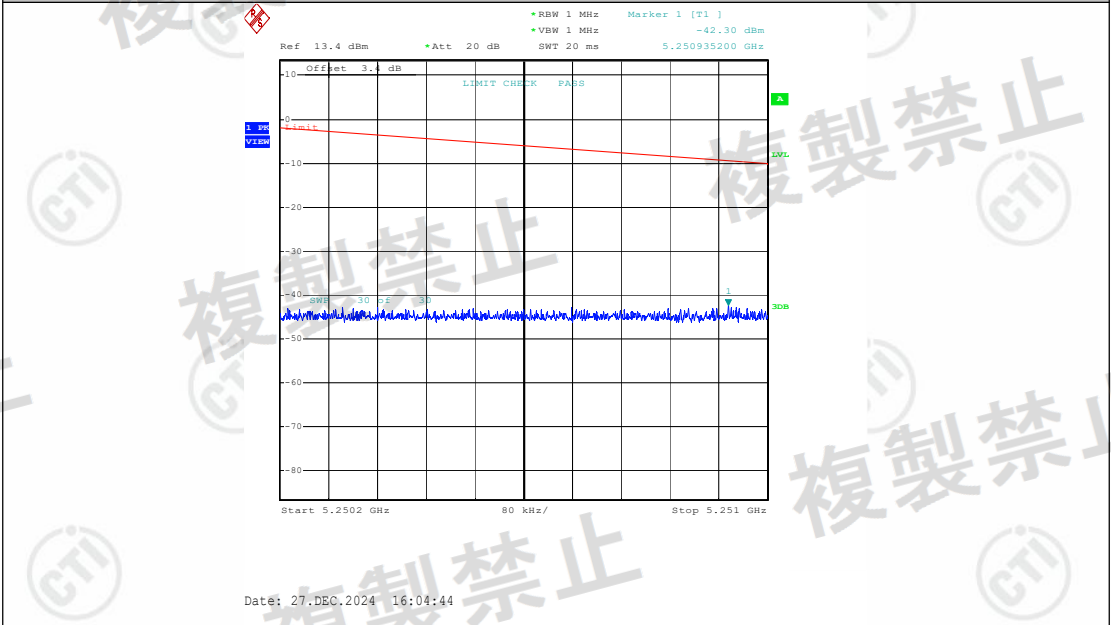
NTNV-11AC20SISO-Ant1-5220-30~5142-PASS



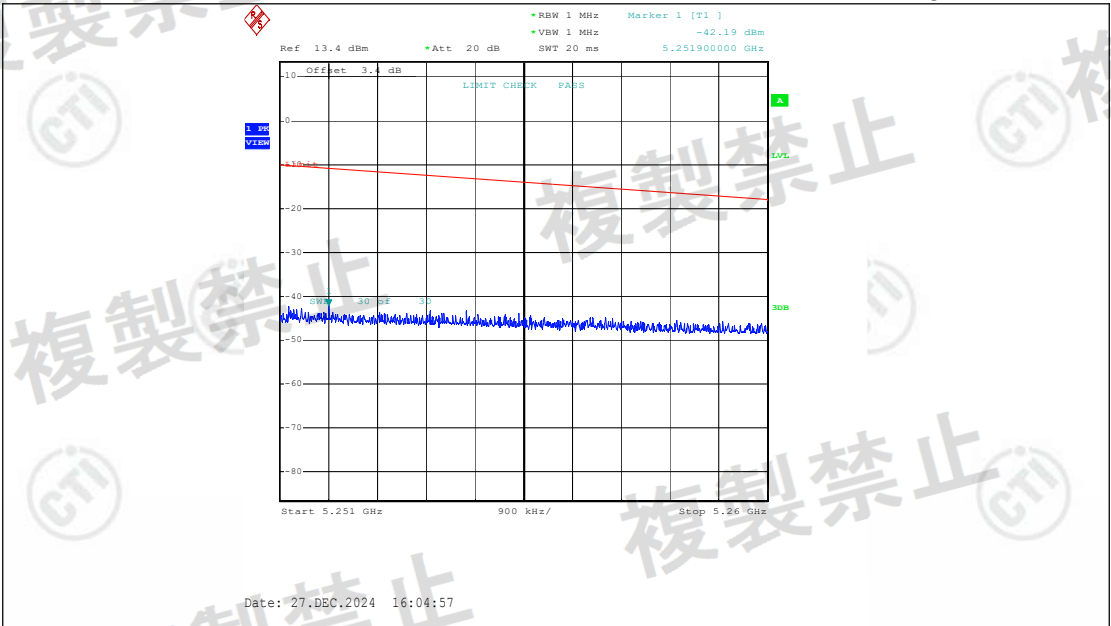
NTNV-11AC20SISO-Ant1-5220-5142~5150-PASS



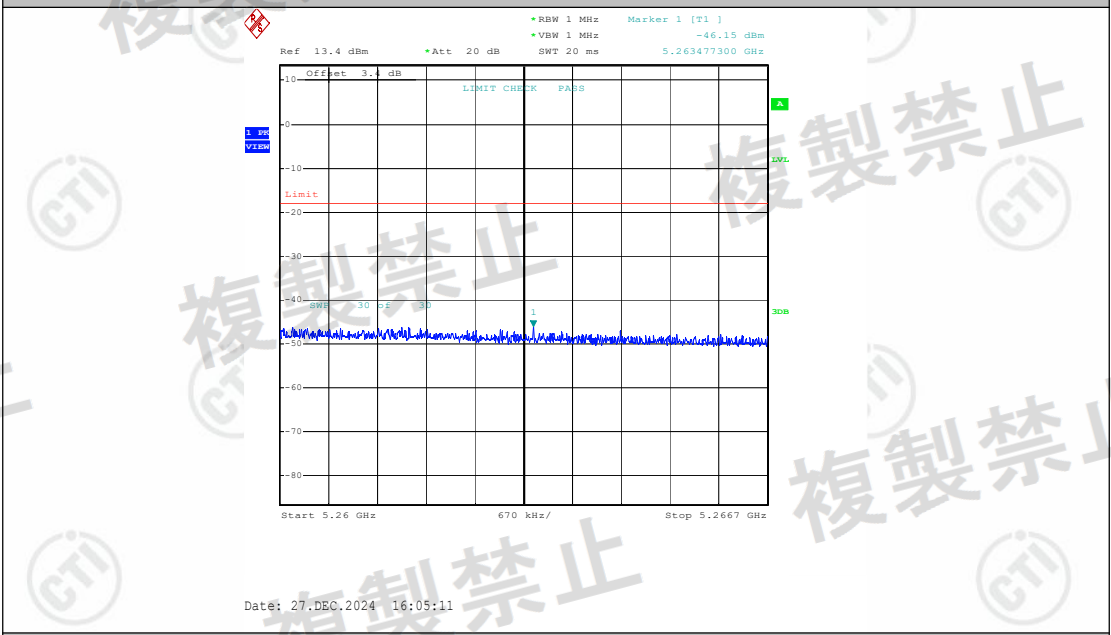
NTNV-11AC20SISO-Ant1-5220-5250~5250.2-PASS



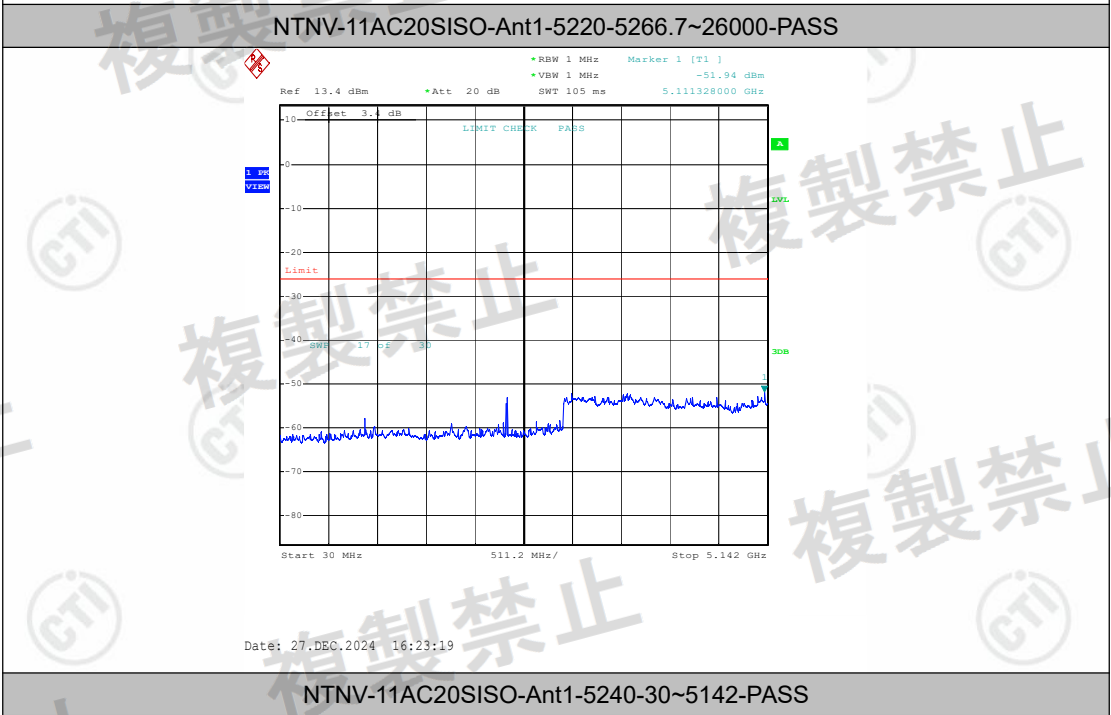
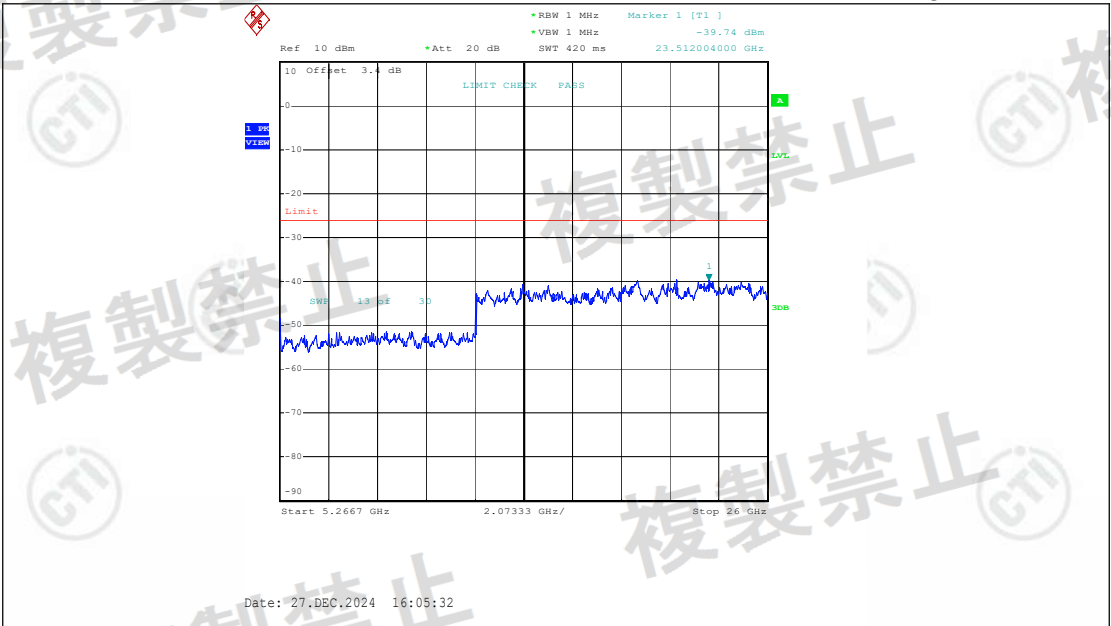
NTNV-11AC20SISO-Ant1-5220-5250.2~5251-PASS

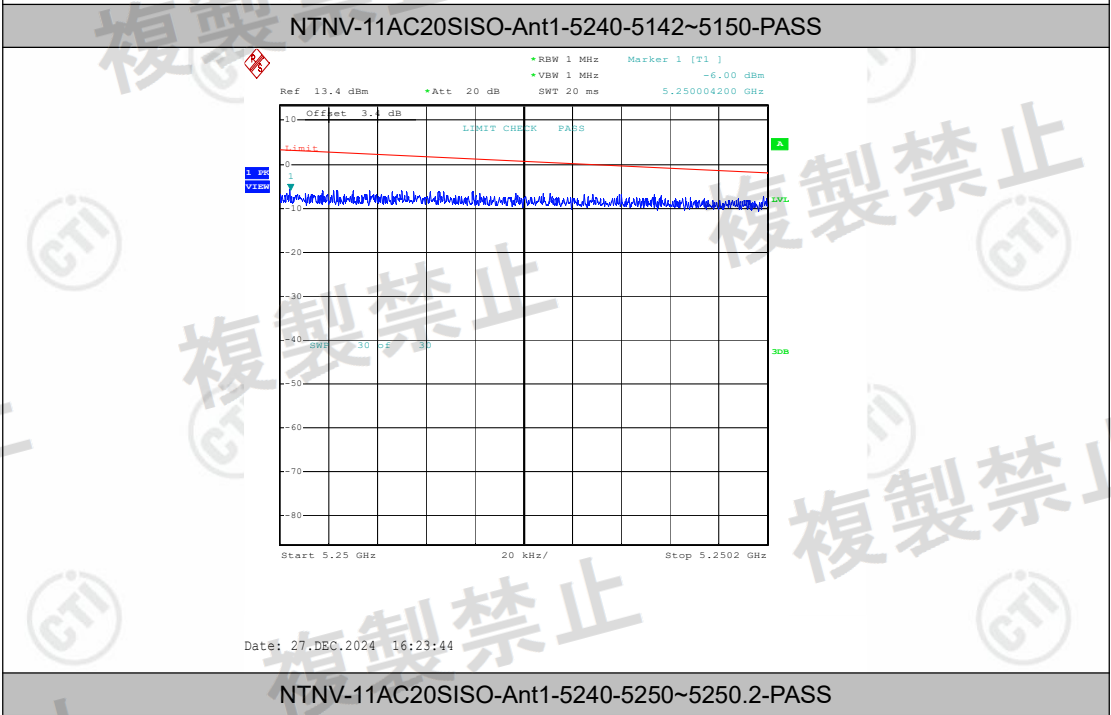
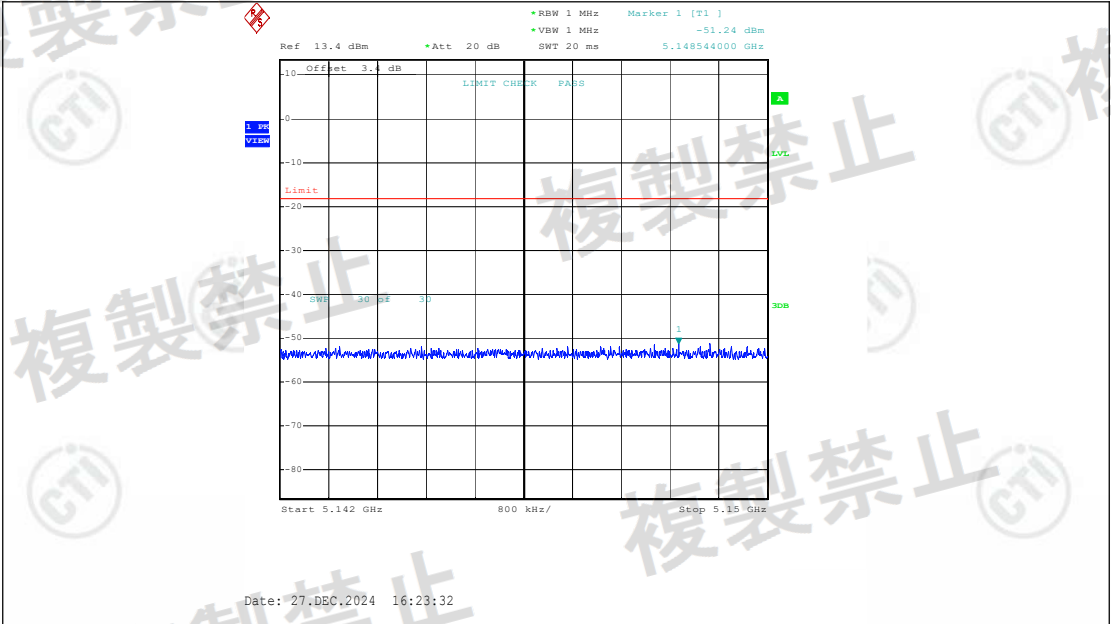


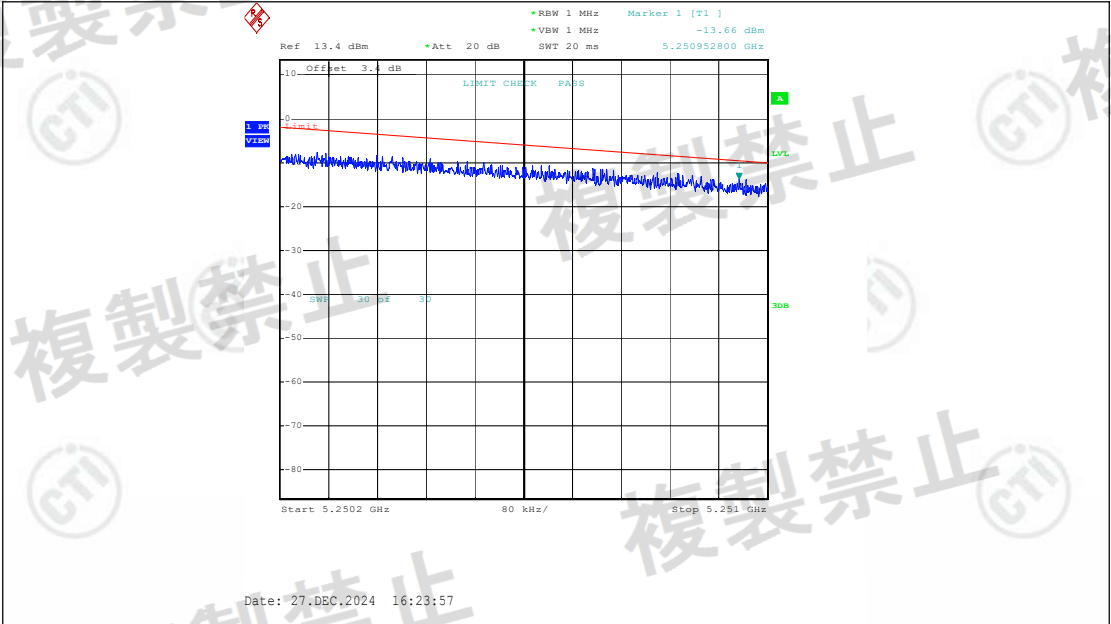
NTNV-11AC20SISO-Ant1-5220-5251~5260-PASS



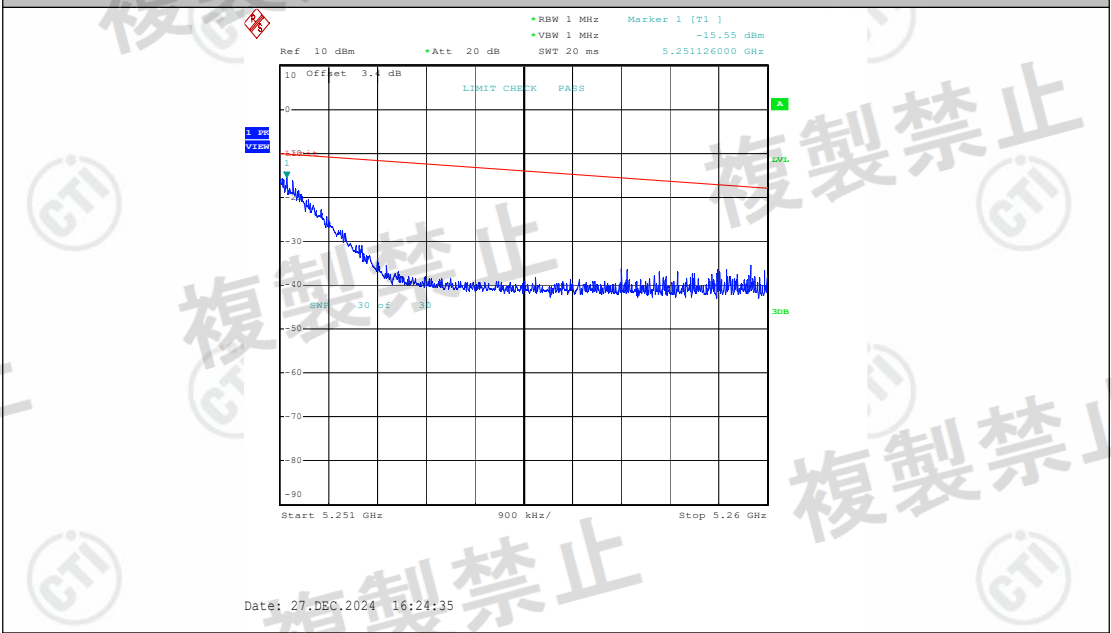
NTNV-11AC20SISO-Ant1-5220-5260~5266.7-PASS



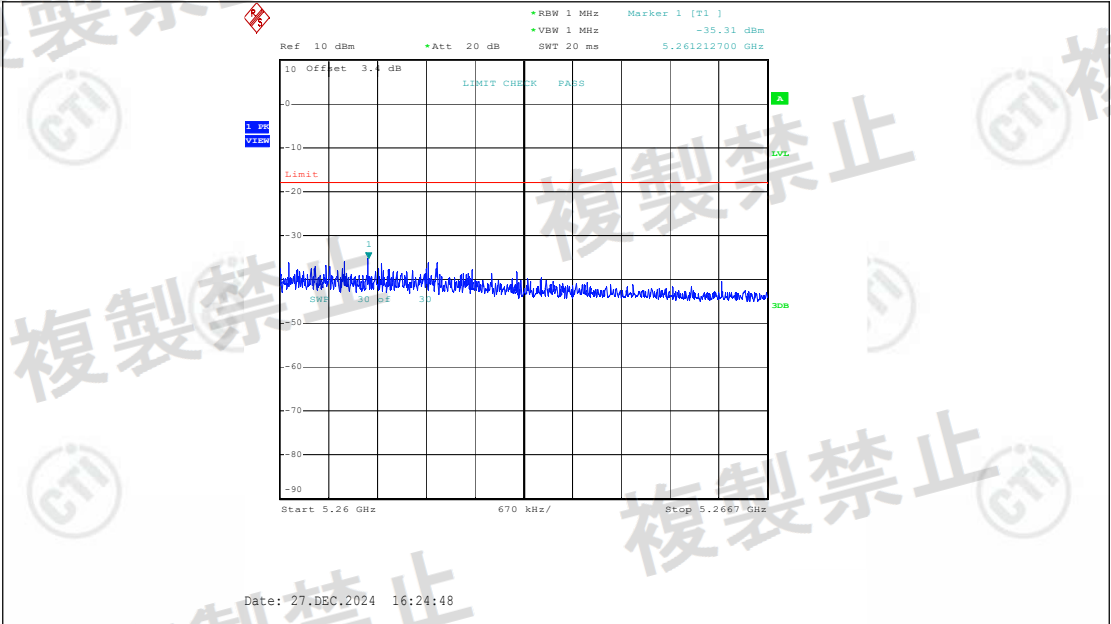




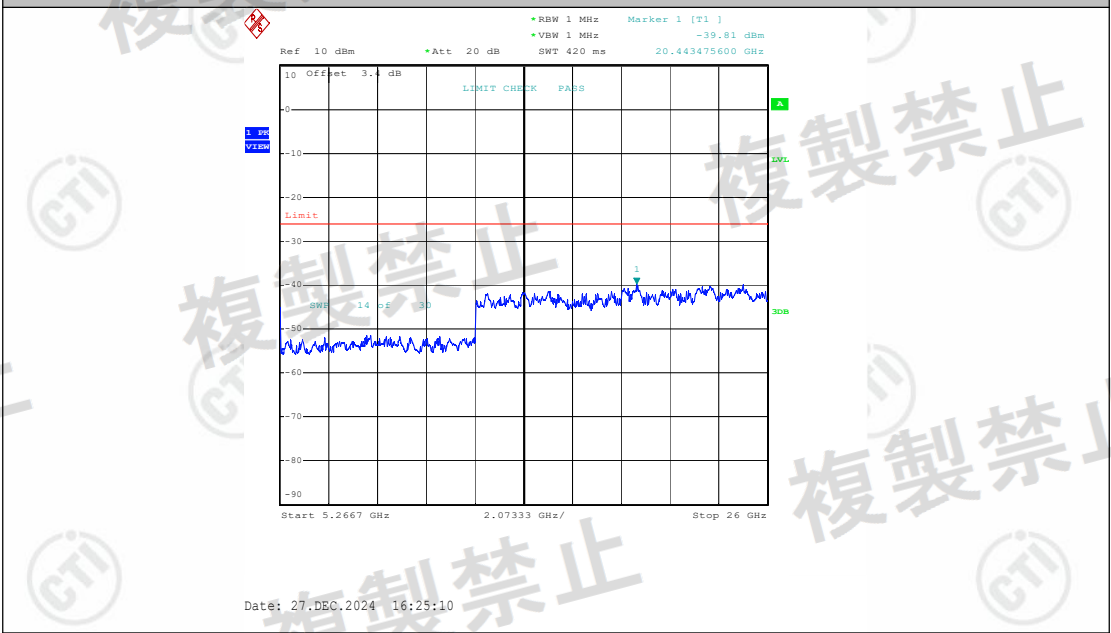
NTNV-11AC20SISO-Ant1-5240-5250.2~5251-See table below



NTNV-11AC20SISO-Ant1-5240-5251~5260-PASS

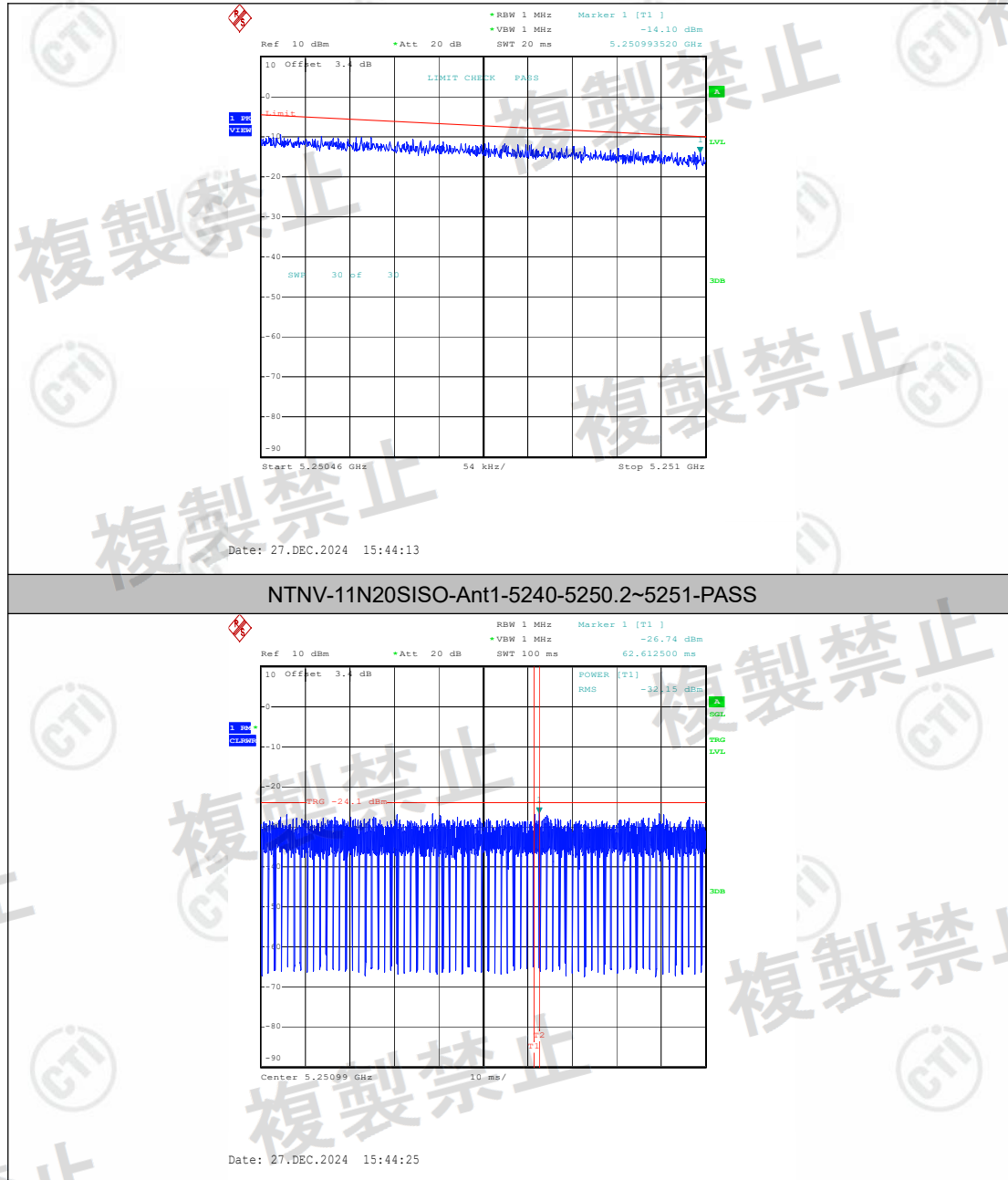


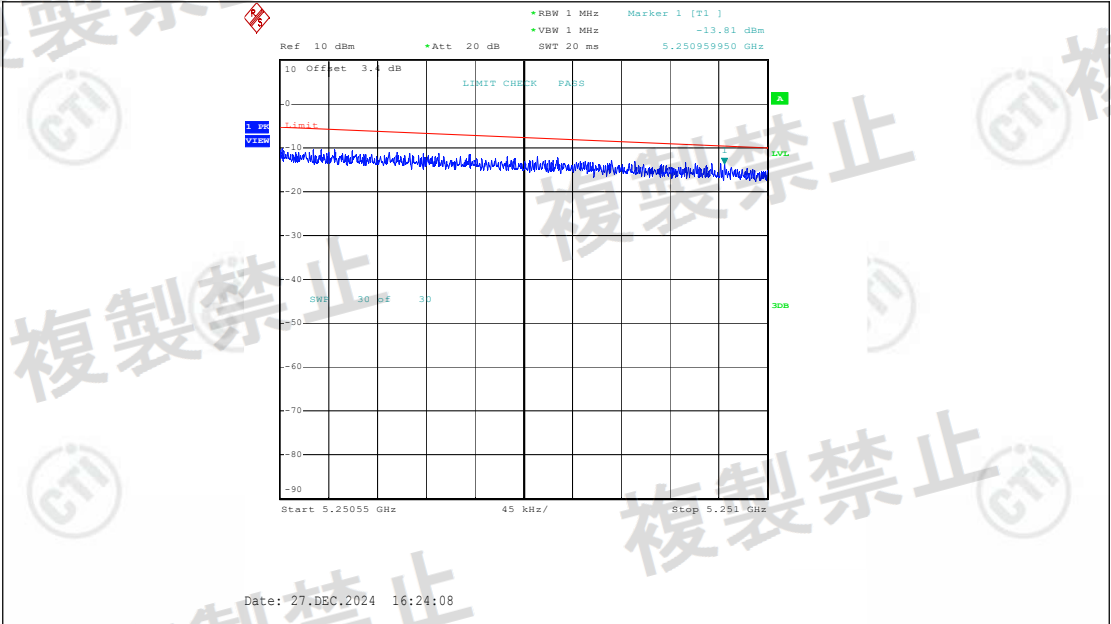
NTNV-11AC20SISO-Ant1-5240-5260~5266.7-PASS



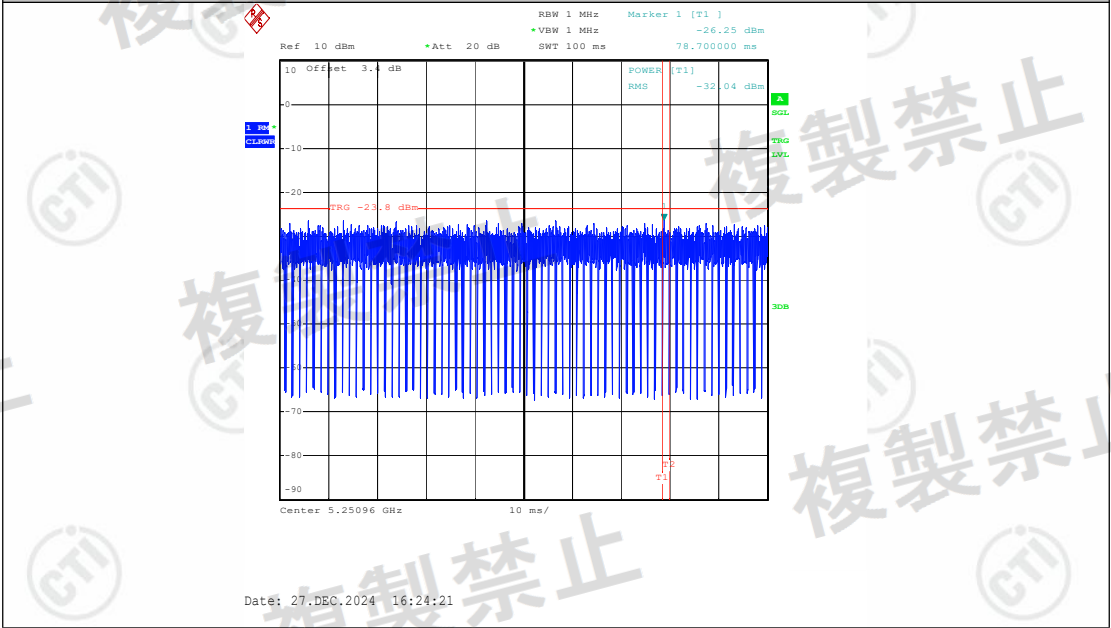
NTNV-11AC20SISO-Ant1-5240-5266.7~26000-PASS

Test Graphs_Step2





NTNV-11AC20SISO-Ant1-5240-5250.2~5251-PASS

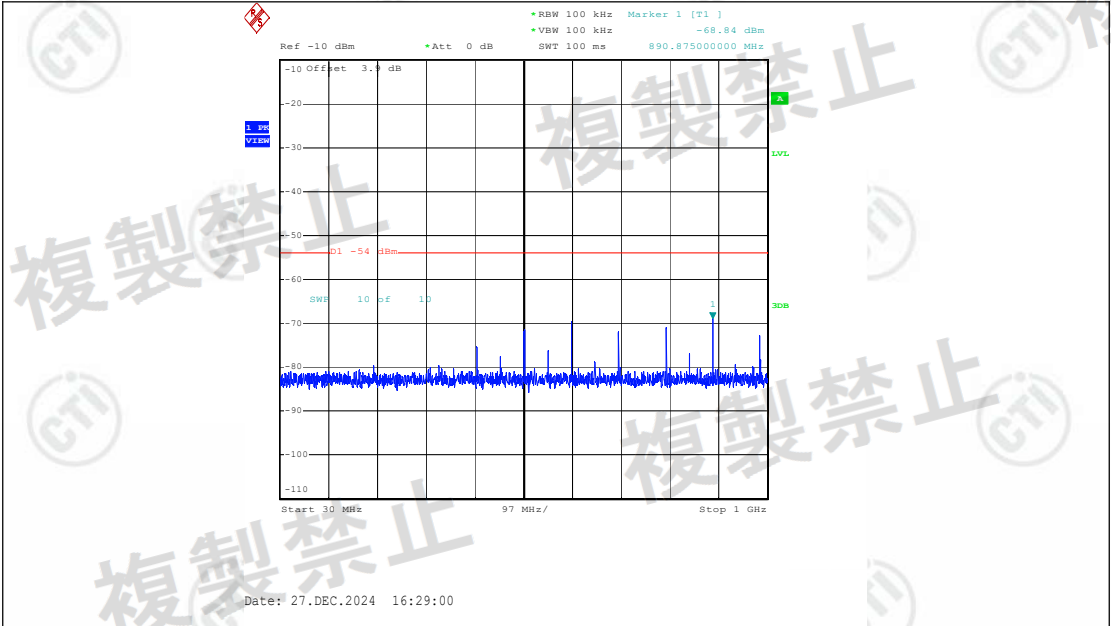


Appendix F: Spurious Emission of RX

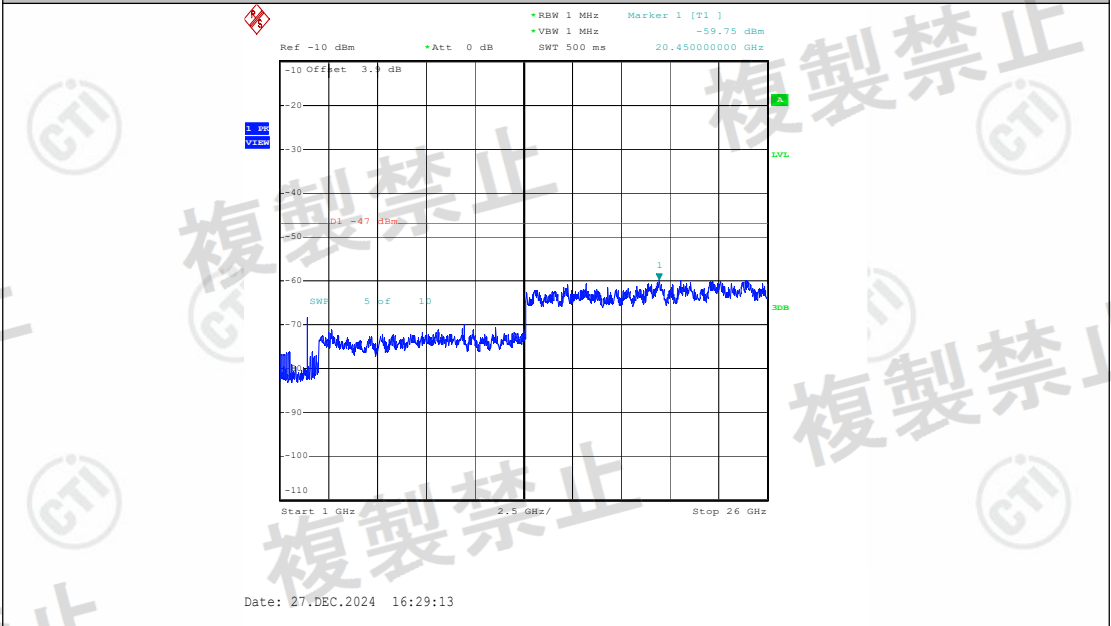
Test Result

Test Condition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [MHz]	Result [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11A	Ant1	5180	30~1000	890.88	-68.84	0.13062	≤4	PASS
NTNV	11A	Ant1	5180	1000~26000	20450.00	-59.75	1.05925	≤20	PASS
NTNV	11A	Ant1	5200	30~1000	890.88	-68.92	0.12823	≤4	PASS
NTNV	11A	Ant1	5200	1000~26000	23600.00	-59.42	1.14288	≤20	PASS
NTNV	11A	Ant1	5220	30~1000	890.88	-69.60	0.10965	≤4	PASS
NTNV	11A	Ant1	5220	1000~26000	25062.50	-59.55	1.10917	≤20	PASS
NTNV	11A	Ant1	5240	30~1000	890.88	-69.25	0.11885	≤4	PASS
NTNV	11A	Ant1	5240	1000~26000	20500.00	-59.50	1.12202	≤20	PASS
NTNV	11N20SISO	Ant1	5180	30~1000	890.88	-68.38	0.14521	≤4	PASS
NTNV	11N20SISO	Ant1	5180	1000~26000	20275.00	-59.53	1.11429	≤20	PASS
NTNV	11N20SISO	Ant1	5200	30~1000	890.88	-68.83	0.13092	≤4	PASS
NTNV	11N20SISO	Ant1	5200	1000~26000	23087.50	-59.65	1.08393	≤20	PASS
NTNV	11N20SISO	Ant1	5220	30~1000	890.88	-69.52	0.11169	≤4	PASS
NTNV	11N20SISO	Ant1	5220	1000~26000	20487.50	-60.30	0.93325	≤20	PASS
NTNV	11N20SISO	Ant1	5240	30~1000	890.88	-69.34	0.11641	≤4	PASS
NTNV	11N20SISO	Ant1	5240	1000~26000	19950.00	-60.28	0.93756	≤20	PASS
NTNV	11AC20SISO	Ant1	5180	30~1000	824.92	-67.62	0.17298	≤4	PASS
NTNV	11AC20SISO	Ant1	5180	1000~26000	20500.00	-57.35	1.84077	≤20	PASS
NTNV	11AC20SISO	Ant1	5200	30~1000	824.92	-65.78	0.26424	≤4	PASS
NTNV	11AC20SISO	Ant1	5200	1000~26000	23400.00	-60.11	0.97499	≤20	PASS
NTNV	11AC20SISO	Ant1	5220	30~1000	890.88	-69.10	0.12303	≤4	PASS
NTNV	11AC20SISO	Ant1	5220	1000~26000	20337.50	-60.18	0.95940	≤20	PASS
NTNV	11AC20SISO	Ant1	5240	30~1000	890.88	-69.44	0.11376	≤4	PASS
NTNV	11AC20SISO	Ant1	5240	1000~26000	20387.50	-60.11	0.97499	≤20	PASS

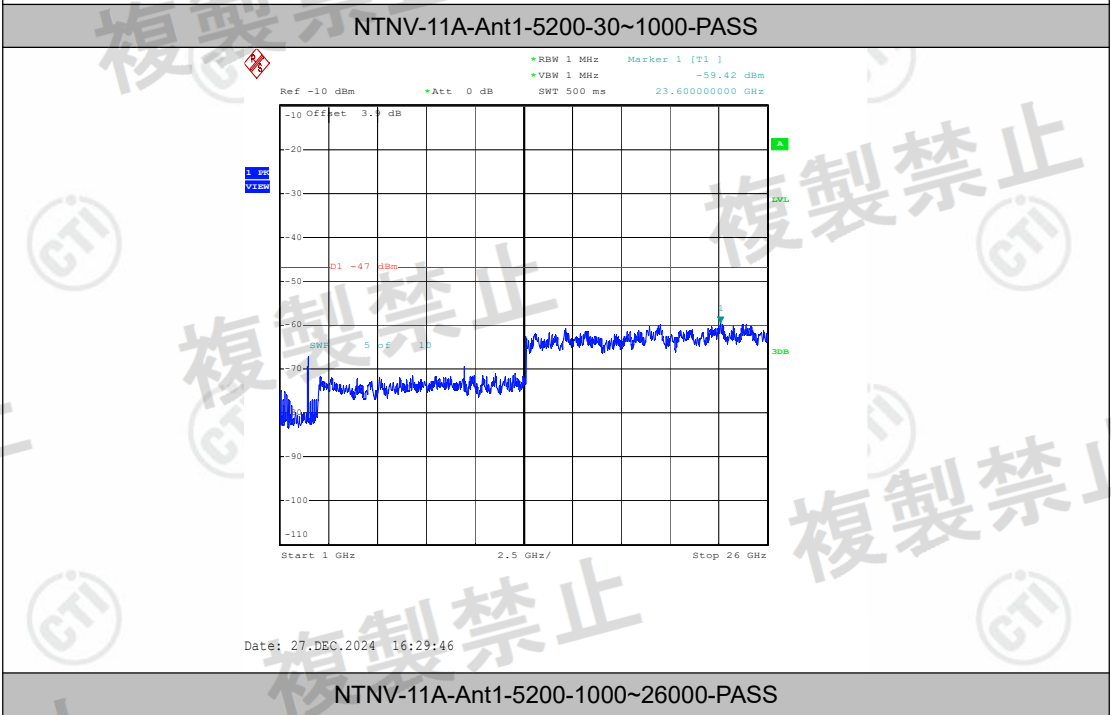
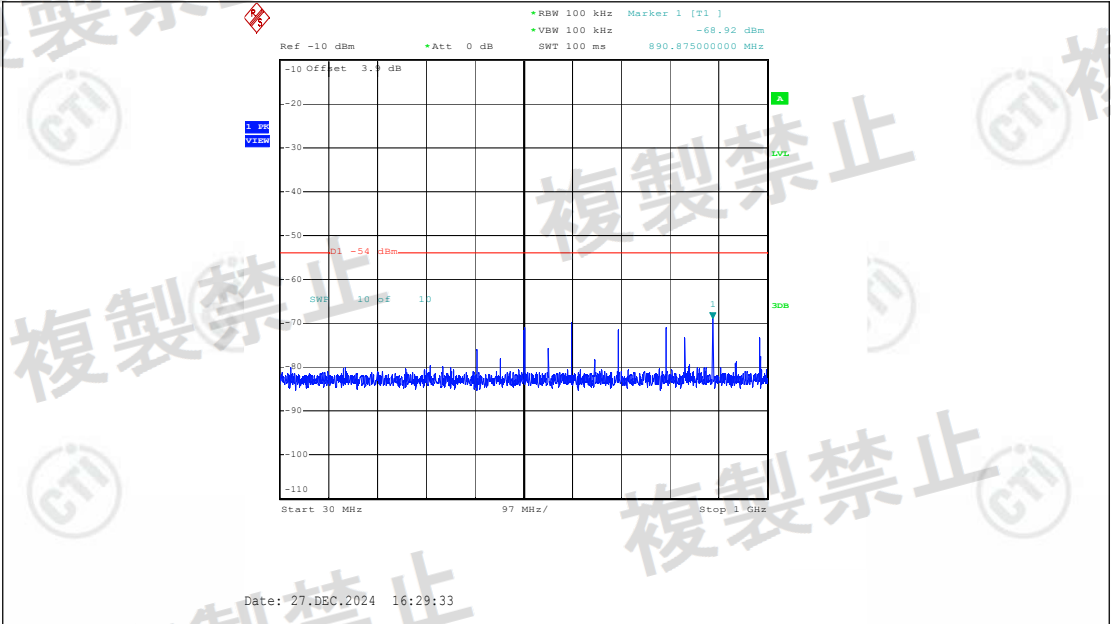
Test Graphs

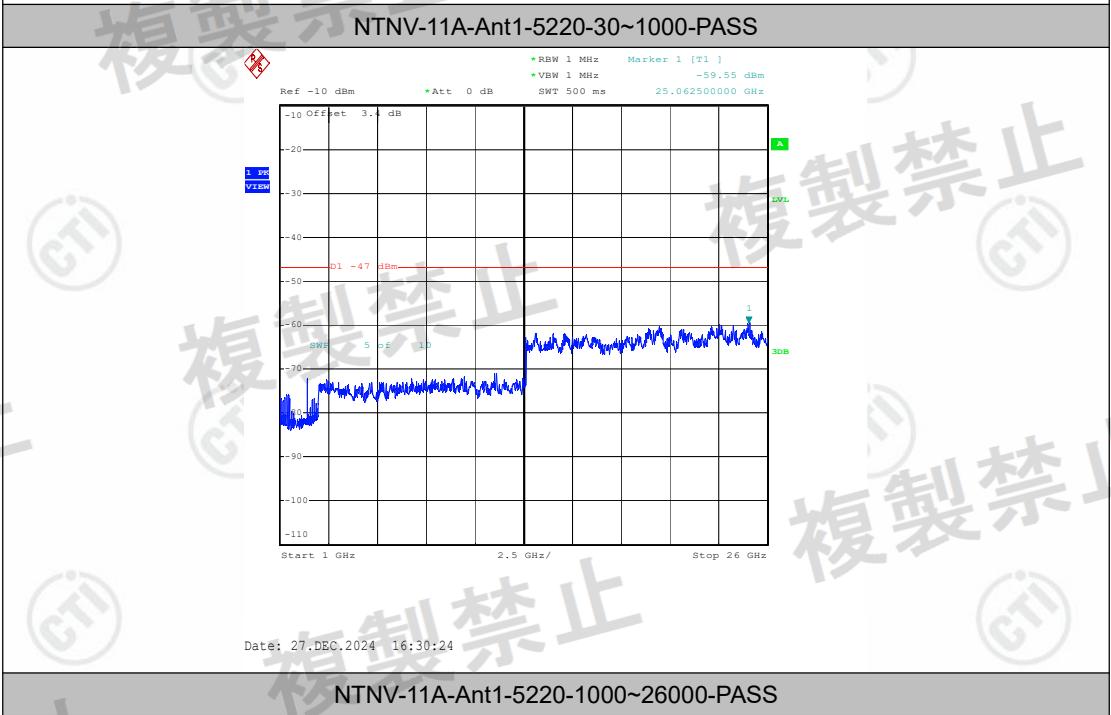
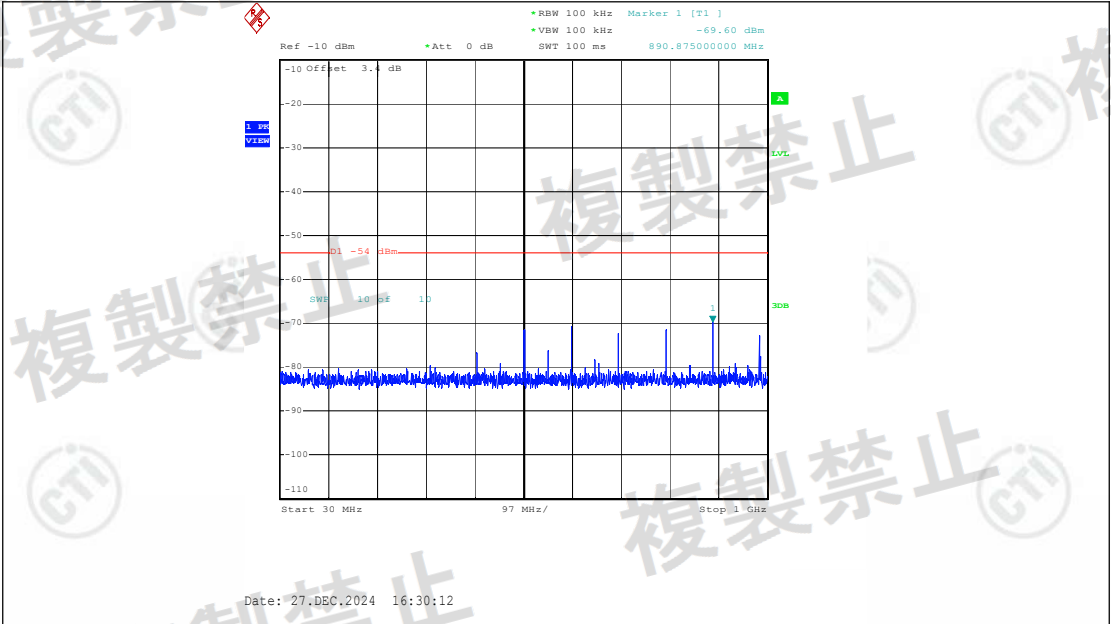


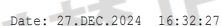
NTNV-11A-Ant1-5180-30~1000-PASS



NTNV-11A-Ant1-5180-1000~26000-PASS

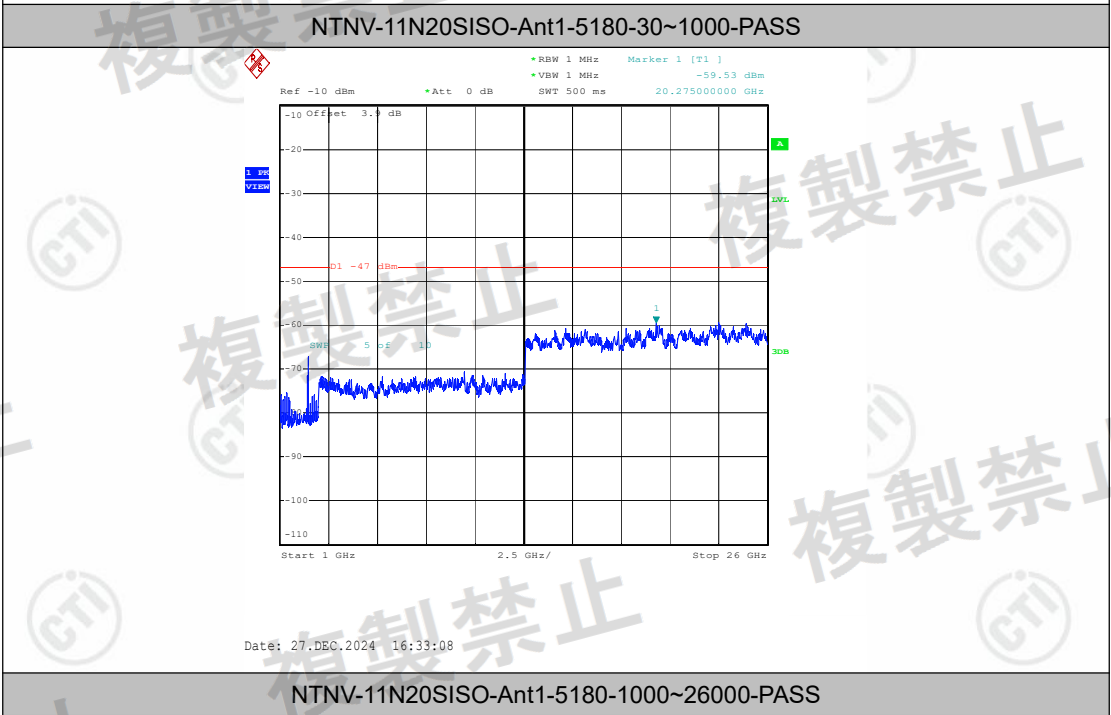
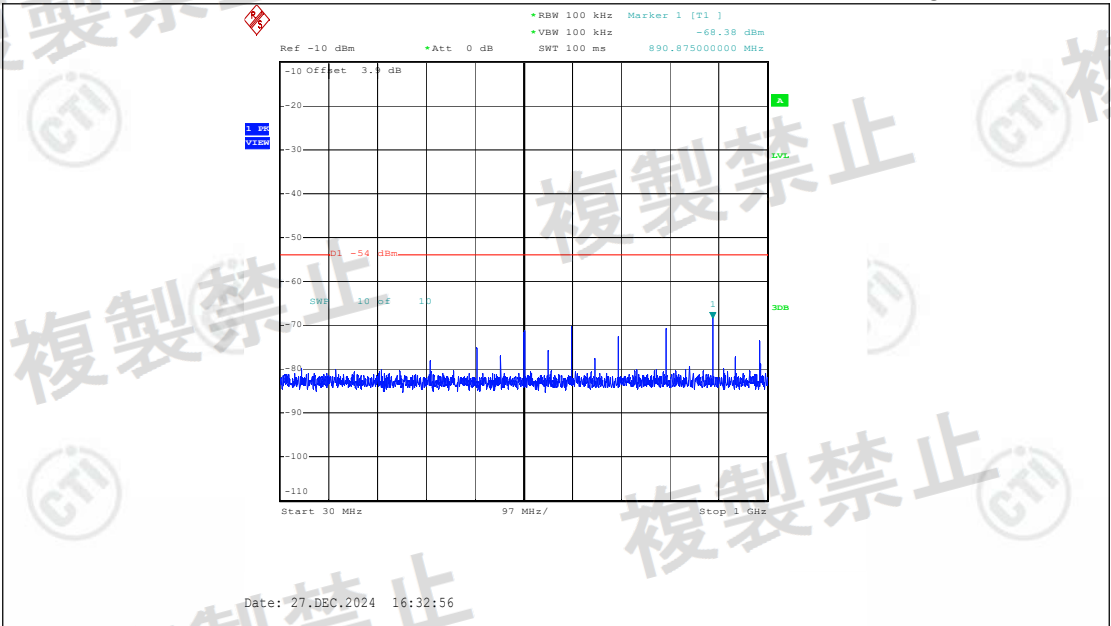


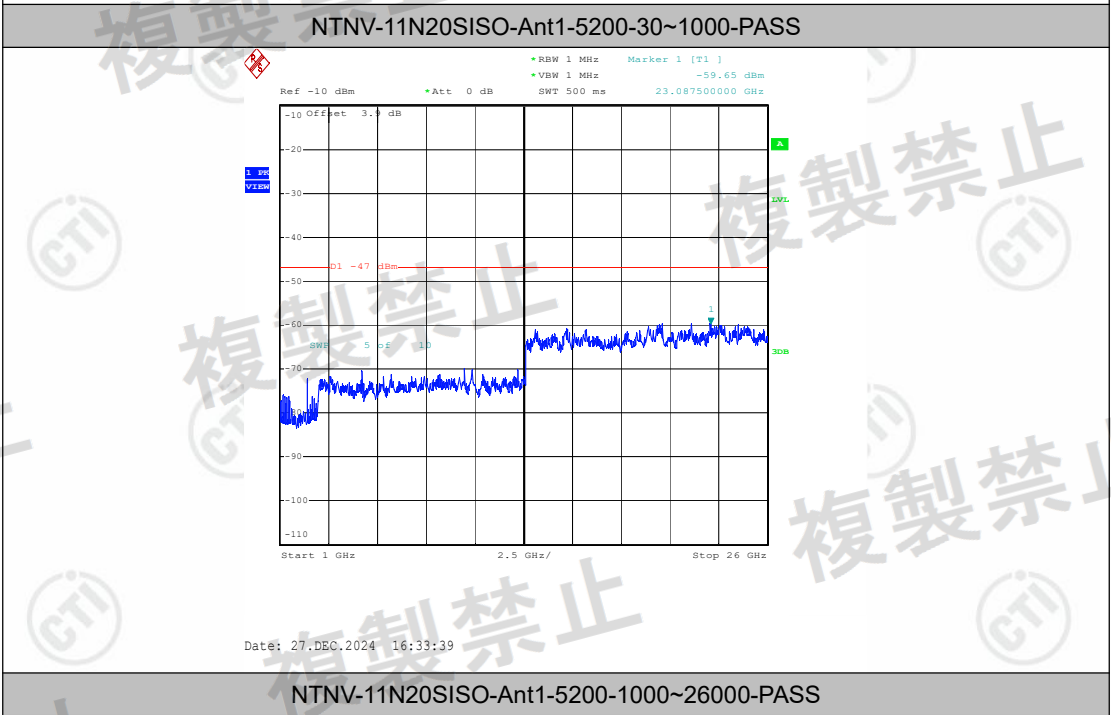
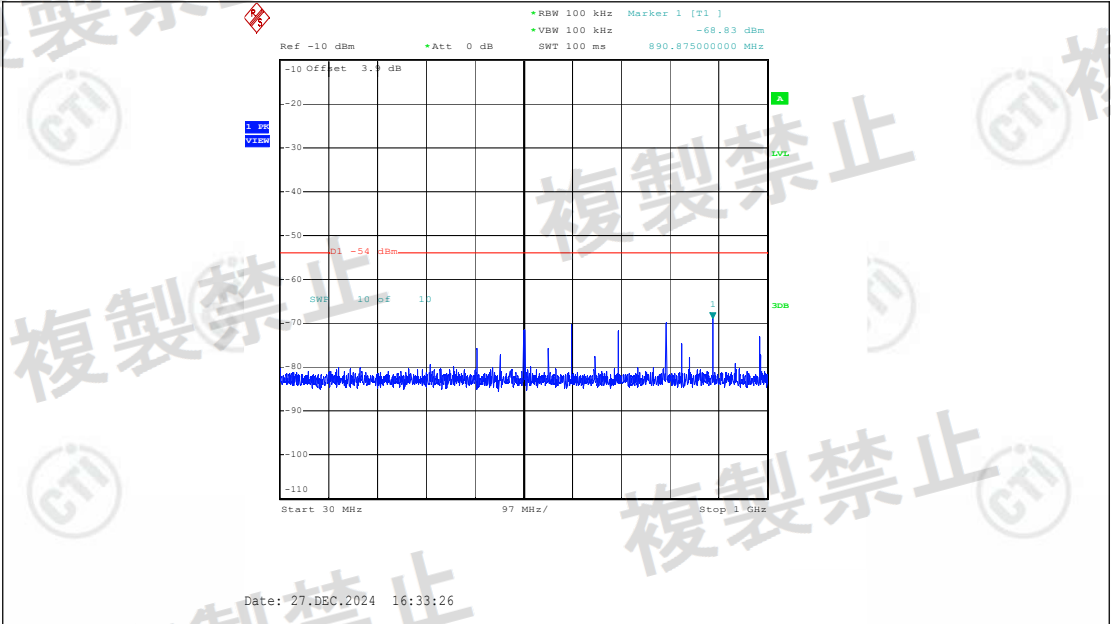


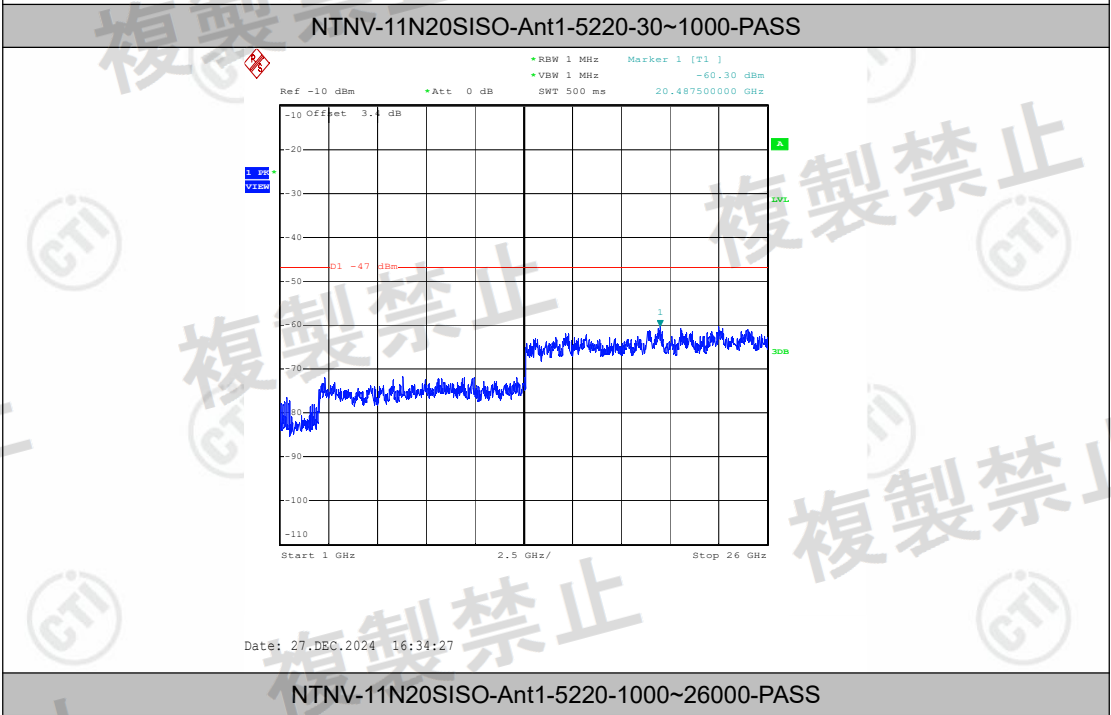
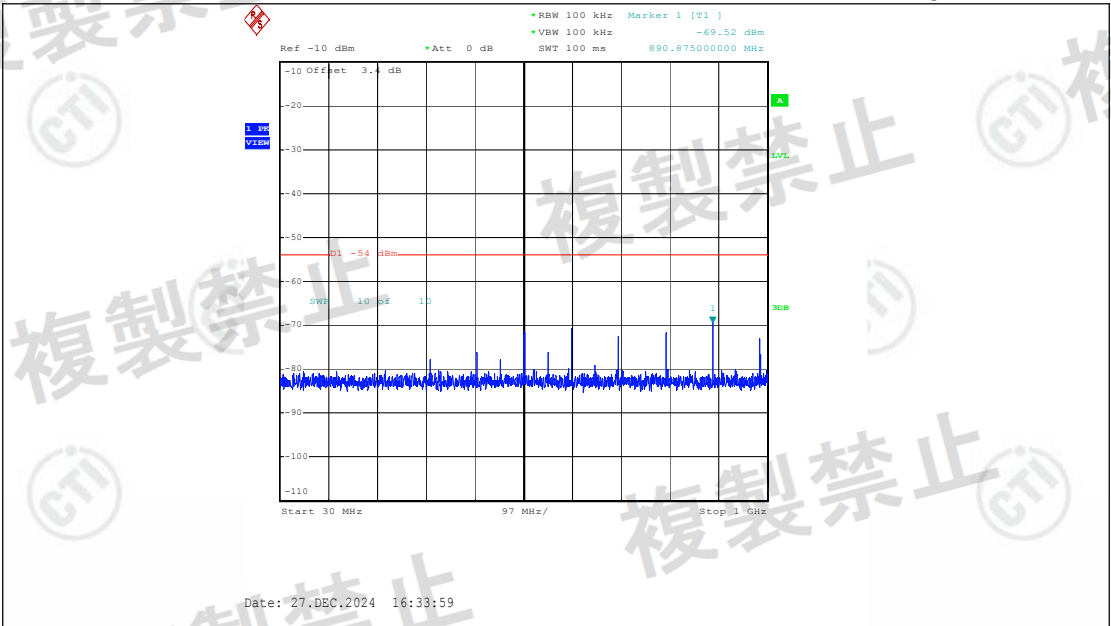


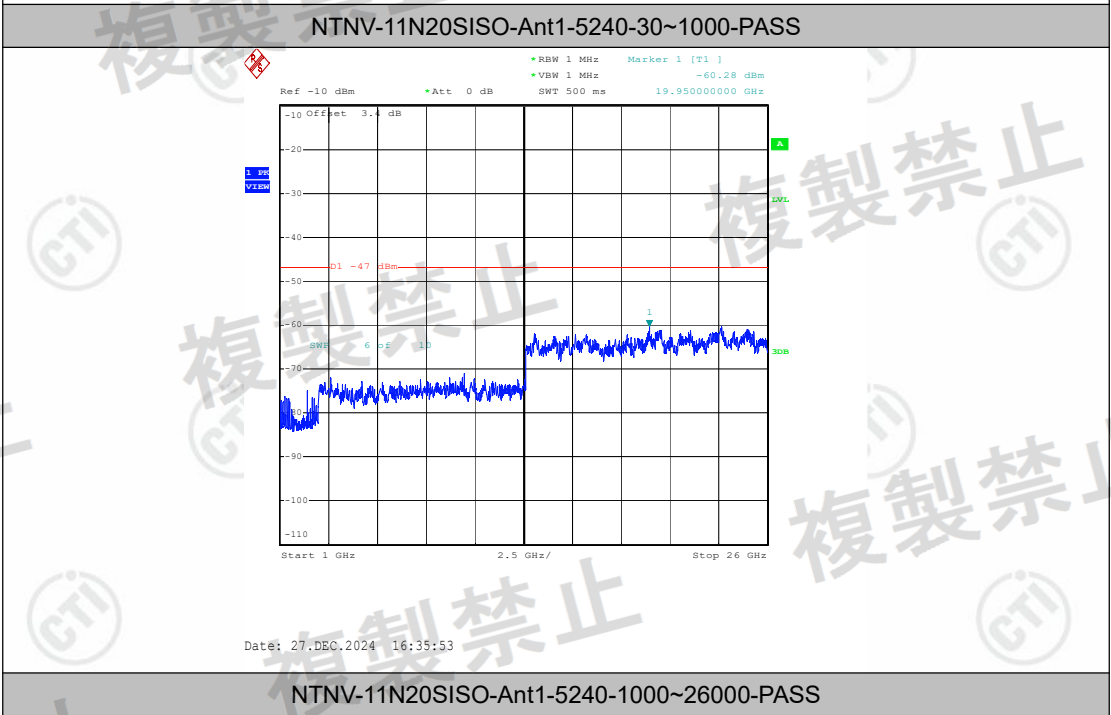
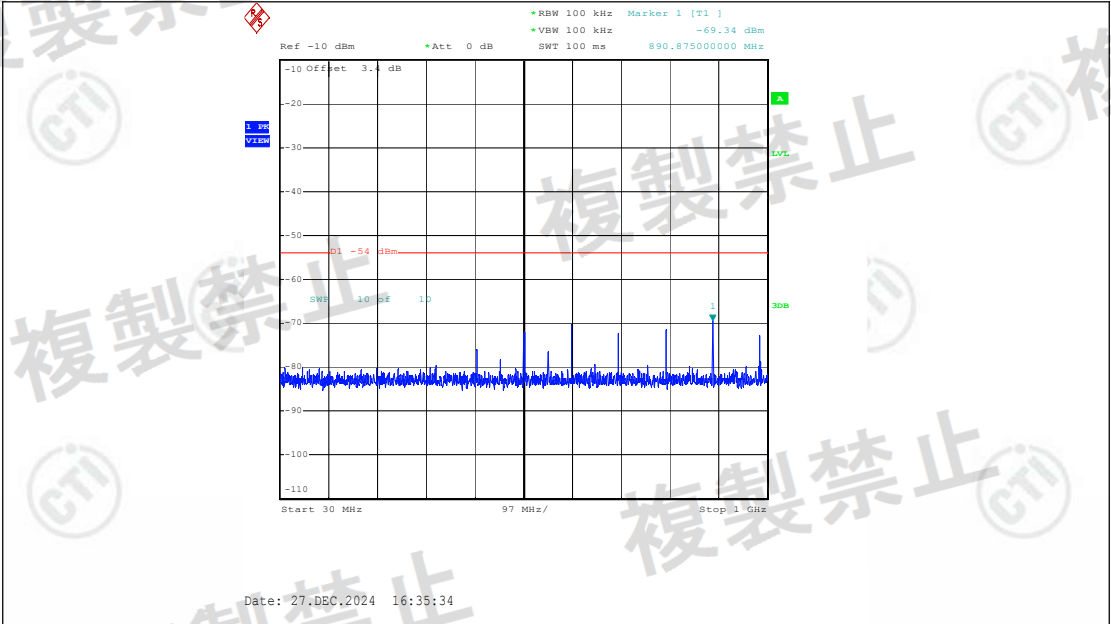
Date: 27.DEC.2024 16:32:40

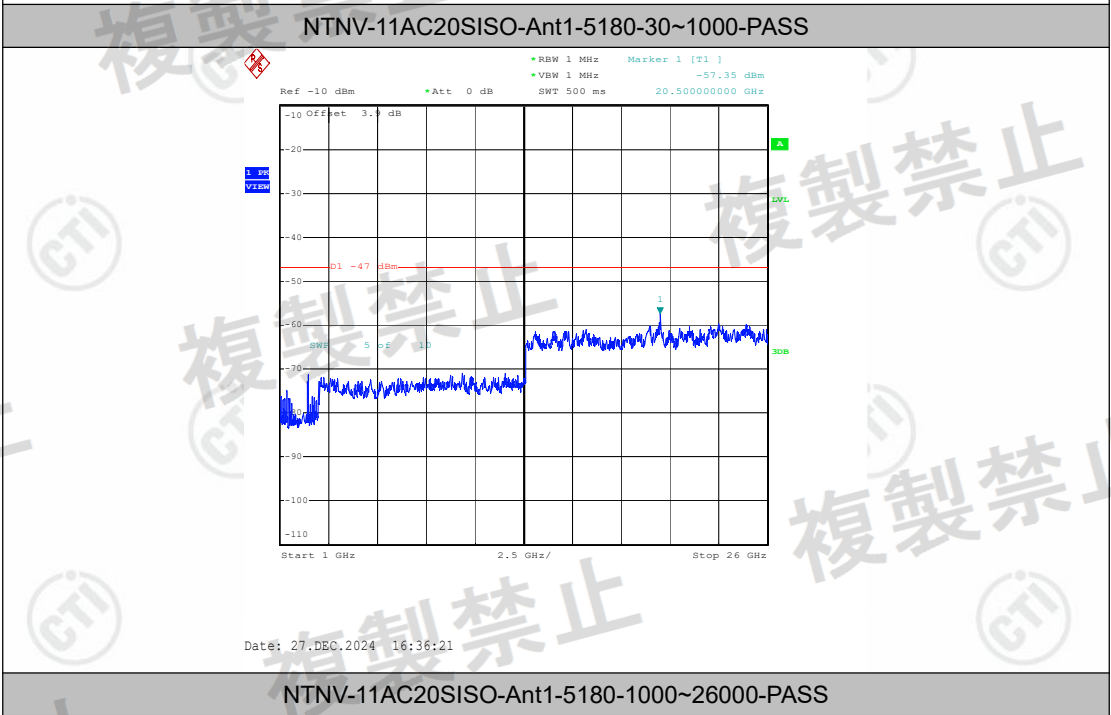
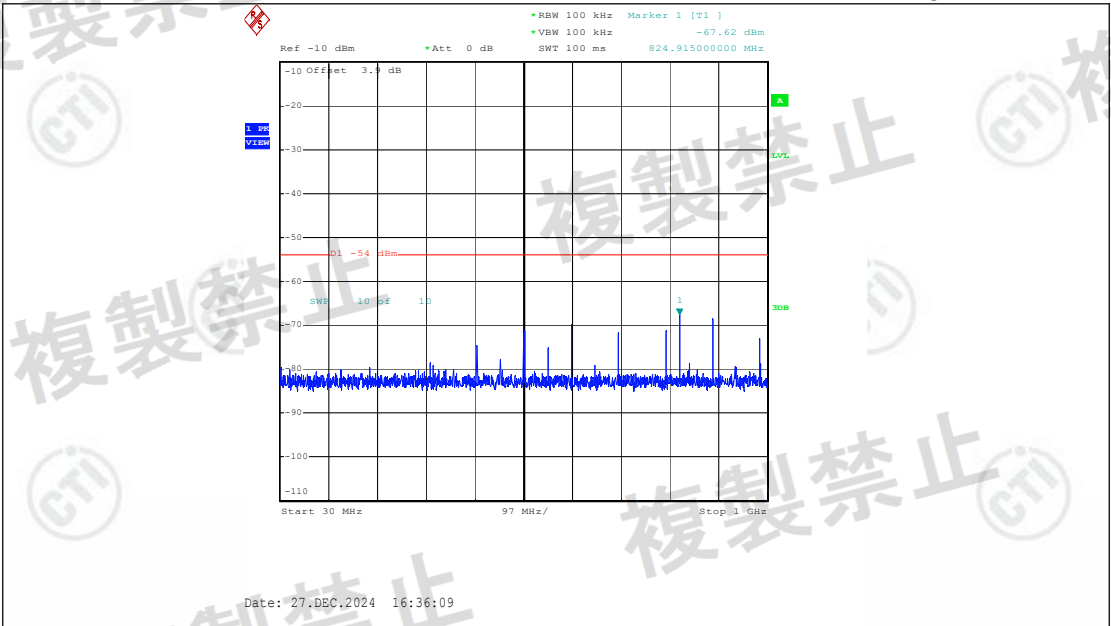
Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com

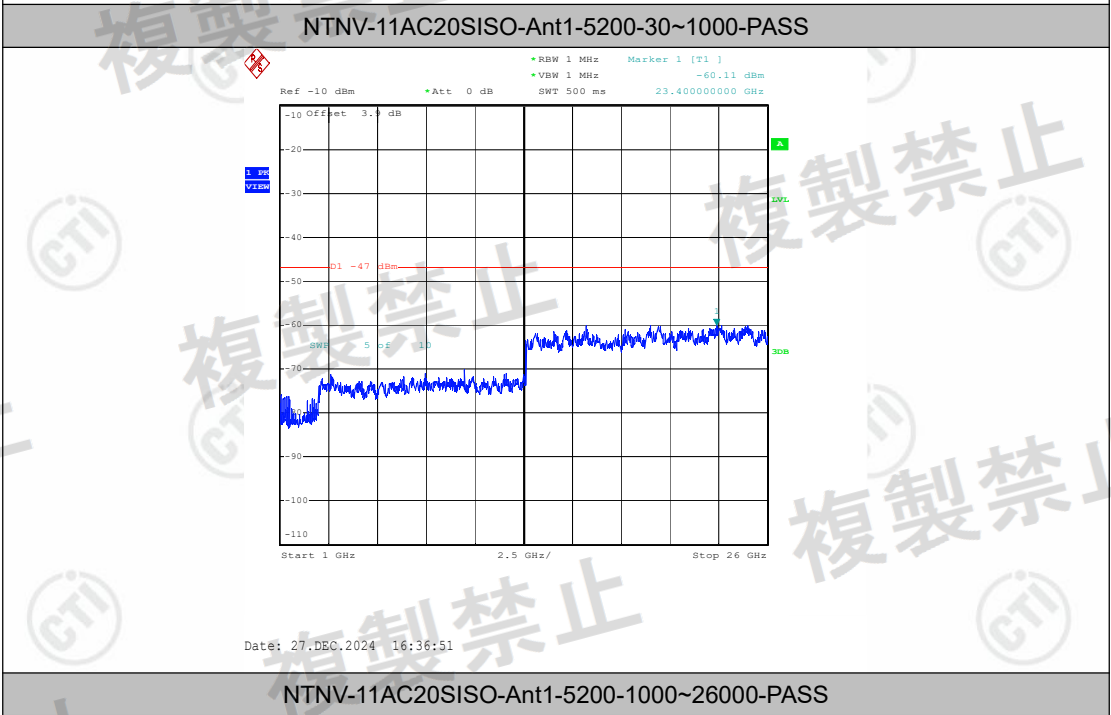
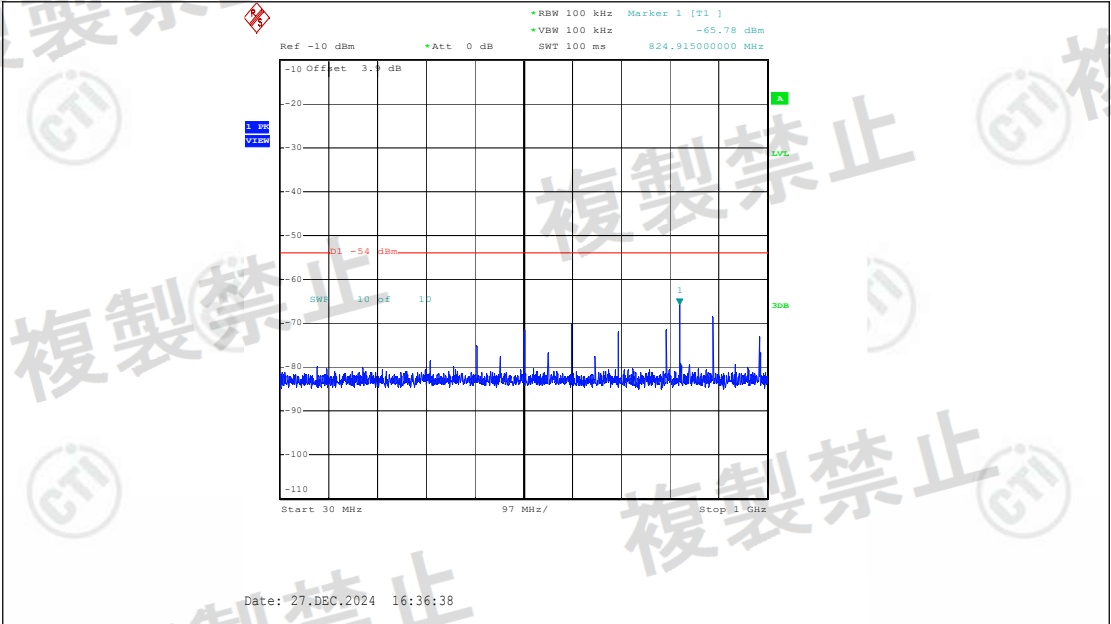


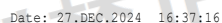






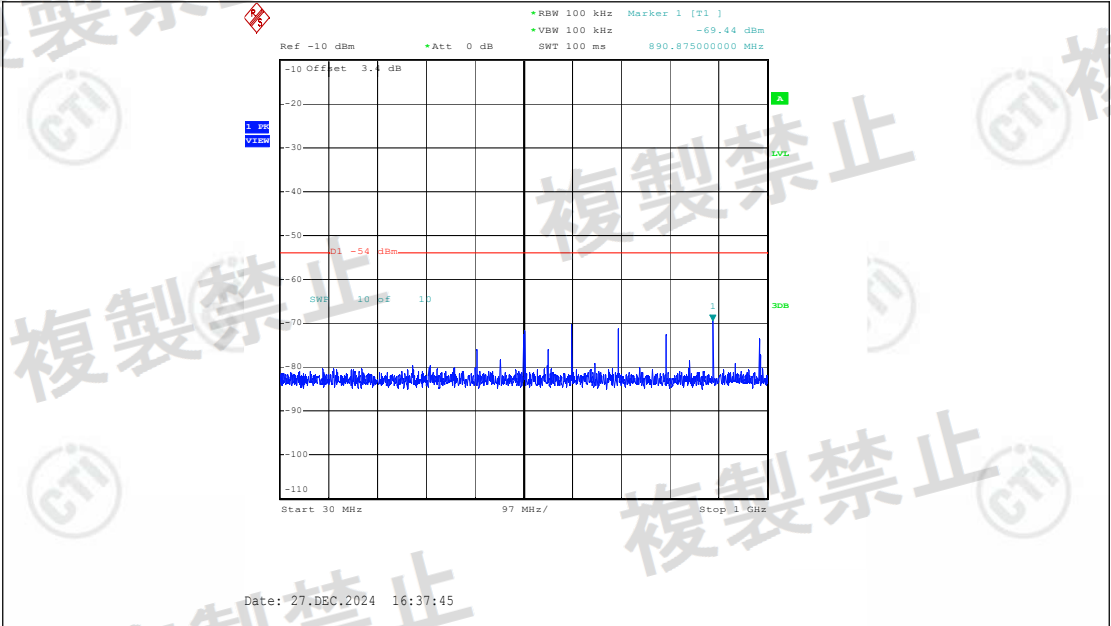




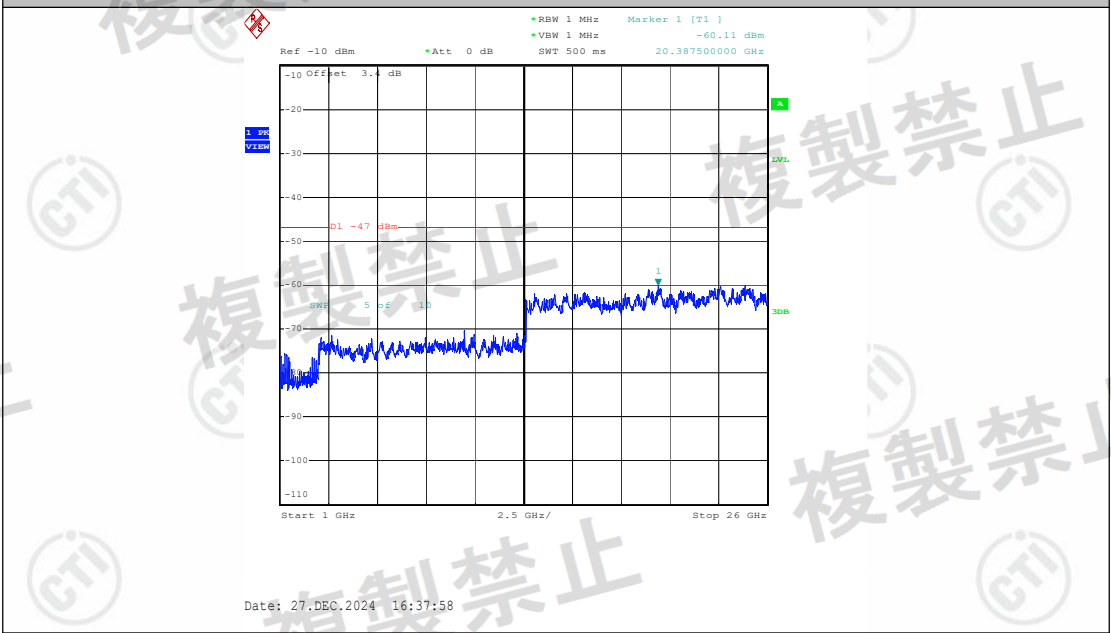


Date: 27.DEC.2024 16:37:29

Complaint E-mail: complaint@cti-cert.com



NTNV-11AC20SISO-Ant1-5240-30~1000-PASS

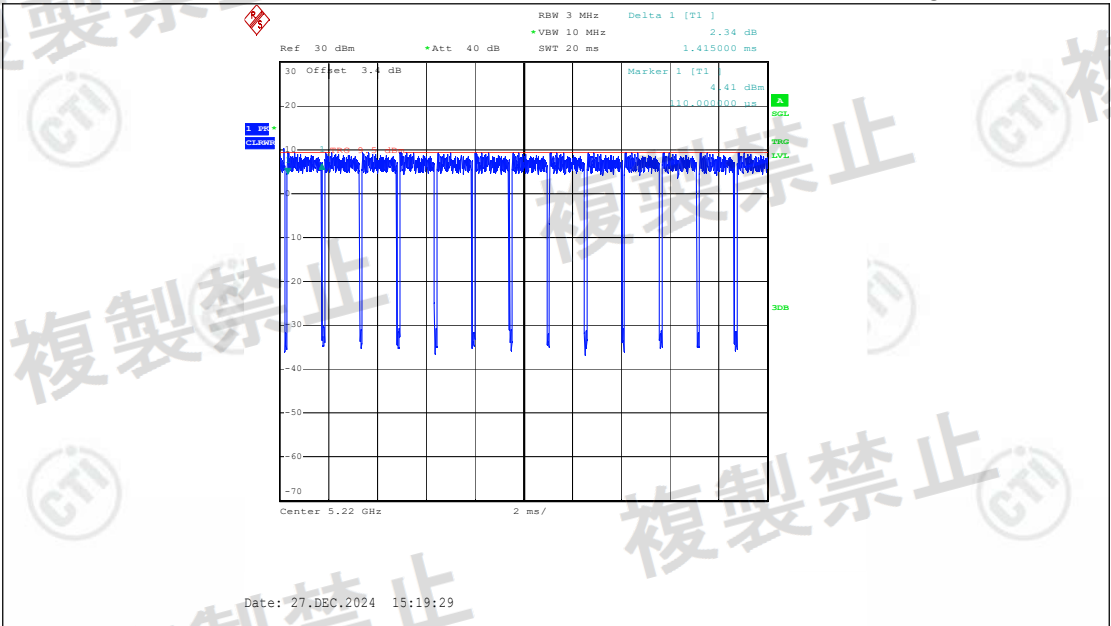


NTNV-11AC20SISO-Ant1-5240-1000~26000-PASS

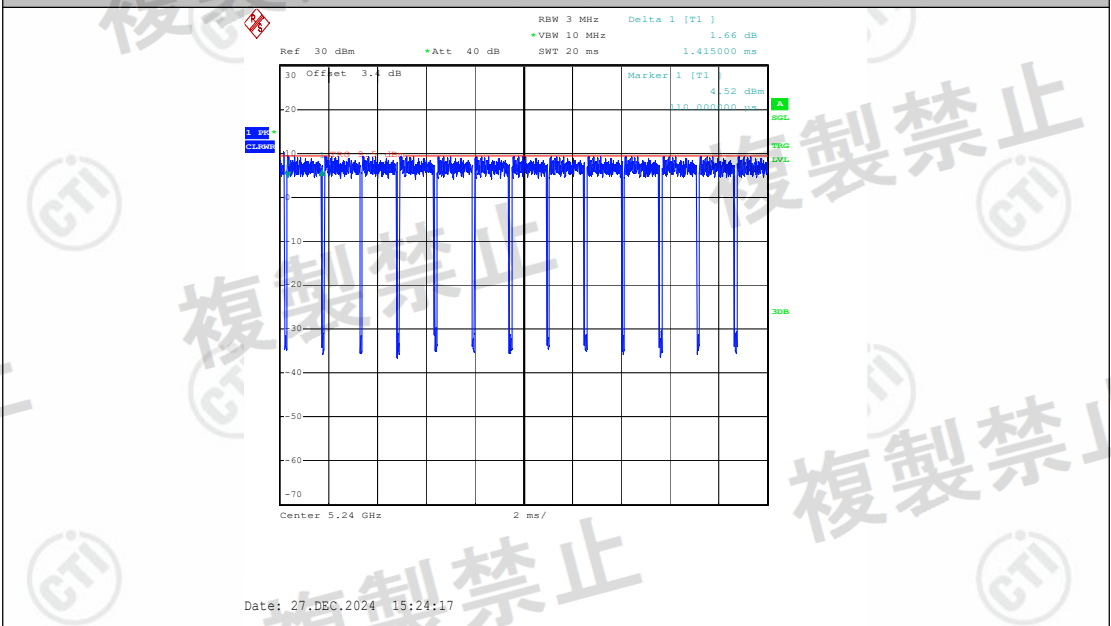
Appendix G: Transmission Burst Length

Test Result

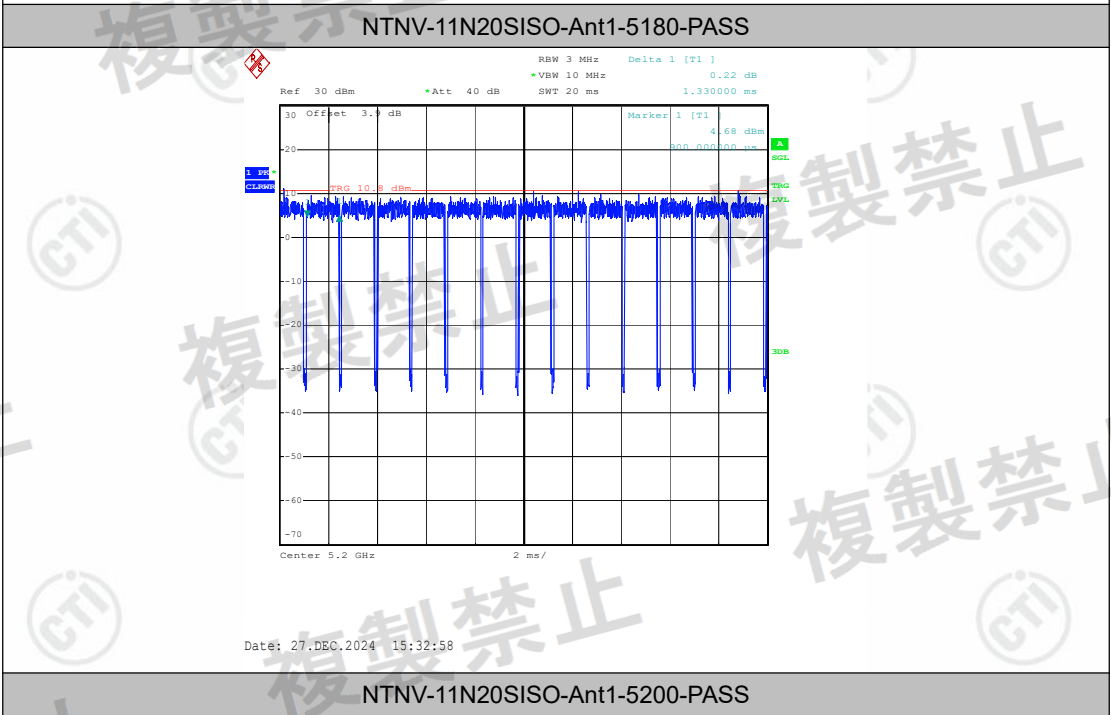
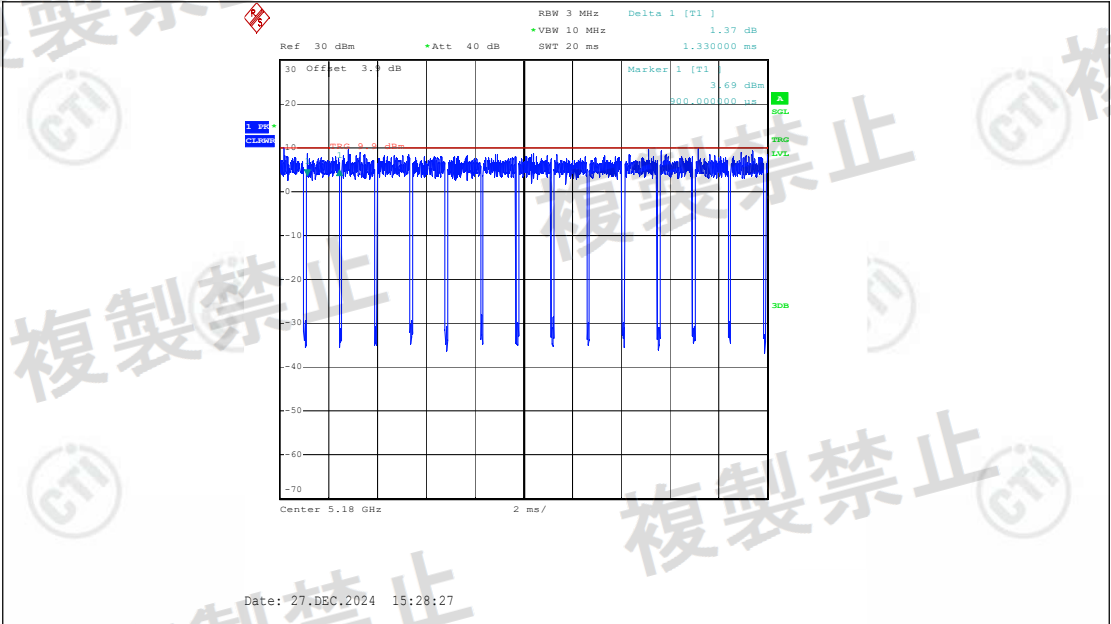
Test Condition	TestMode	Antenna	Frequency[MHz]	Result [ms]	Limit [ms]	Verdict
NTNV	11A	Ant1	5180	1.43	≤8	PASS
NTNV	11A	Ant1	5200	1.42	≤8	PASS
NTNV	11A	Ant1	5220	1.42	≤8	PASS
NTNV	11A	Ant1	5240	1.42	≤8	PASS
NTNV	11N20SISO	Ant1	5180	1.33	≤8	PASS
NTNV	11N20SISO	Ant1	5200	1.33	≤8	PASS
NTNV	11N20SISO	Ant1	5220	1.33	≤8	PASS
NTNV	11N20SISO	Ant1	5240	1.34	≤8	PASS
NTNV	11AC20SISO	Ant1	5180	1.34	≤8	PASS
NTNV	11AC20SISO	Ant1	5200	1.33	≤8	PASS
NTNV	11AC20SISO	Ant1	5220	1.34	≤8	PASS
NTNV	11AC20SISO	Ant1	5240	1.34	≤8	PASS

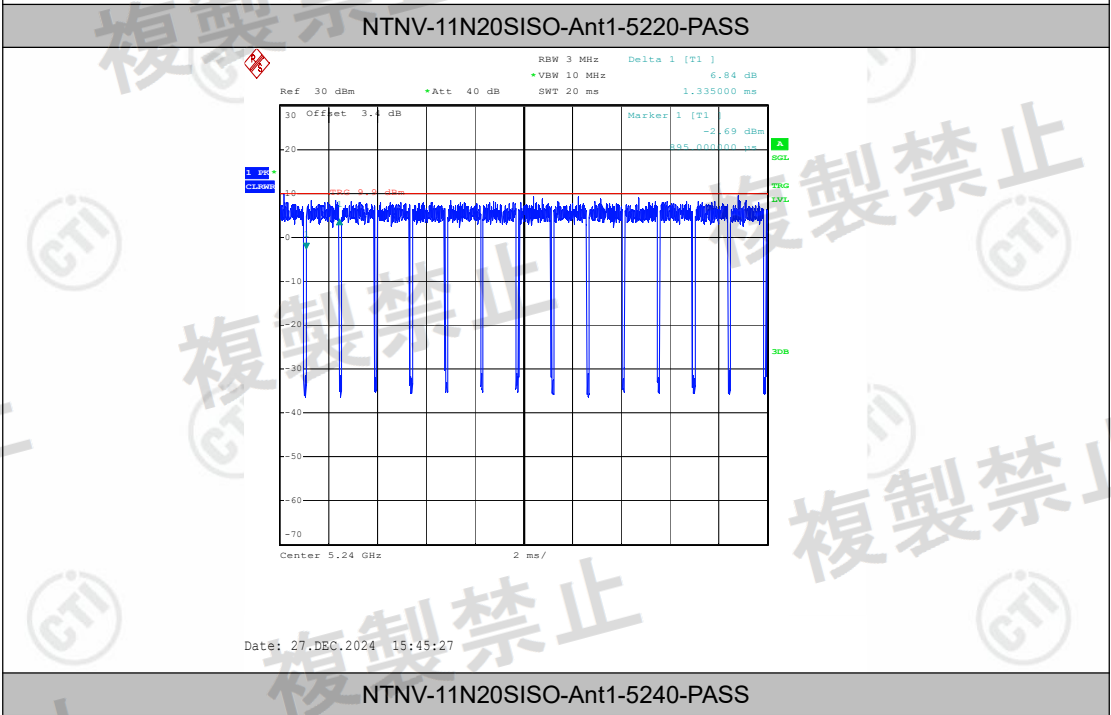
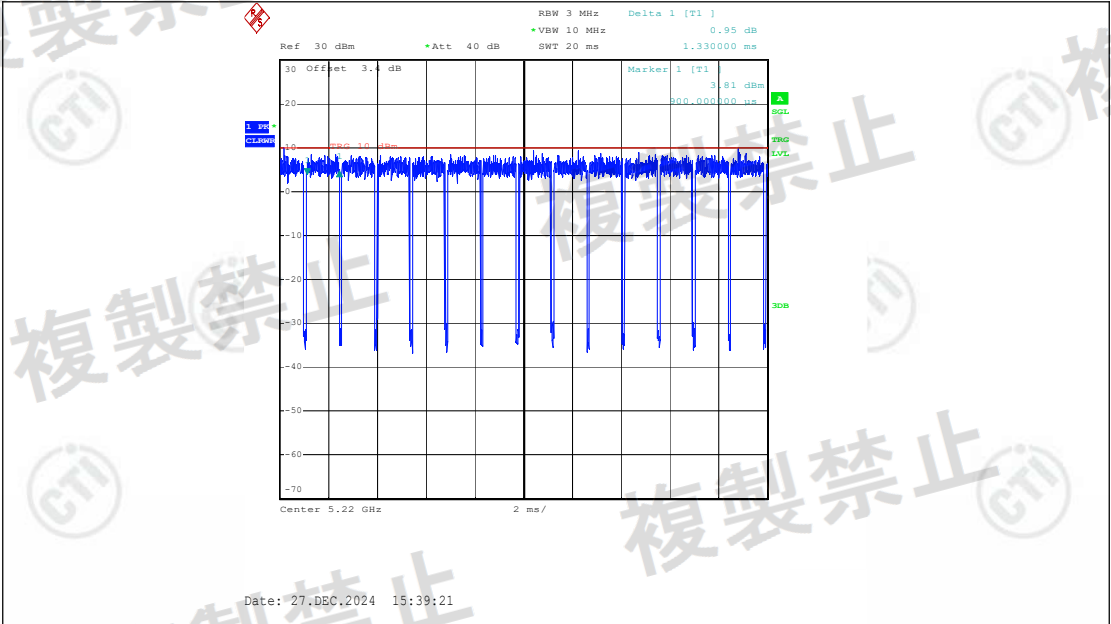


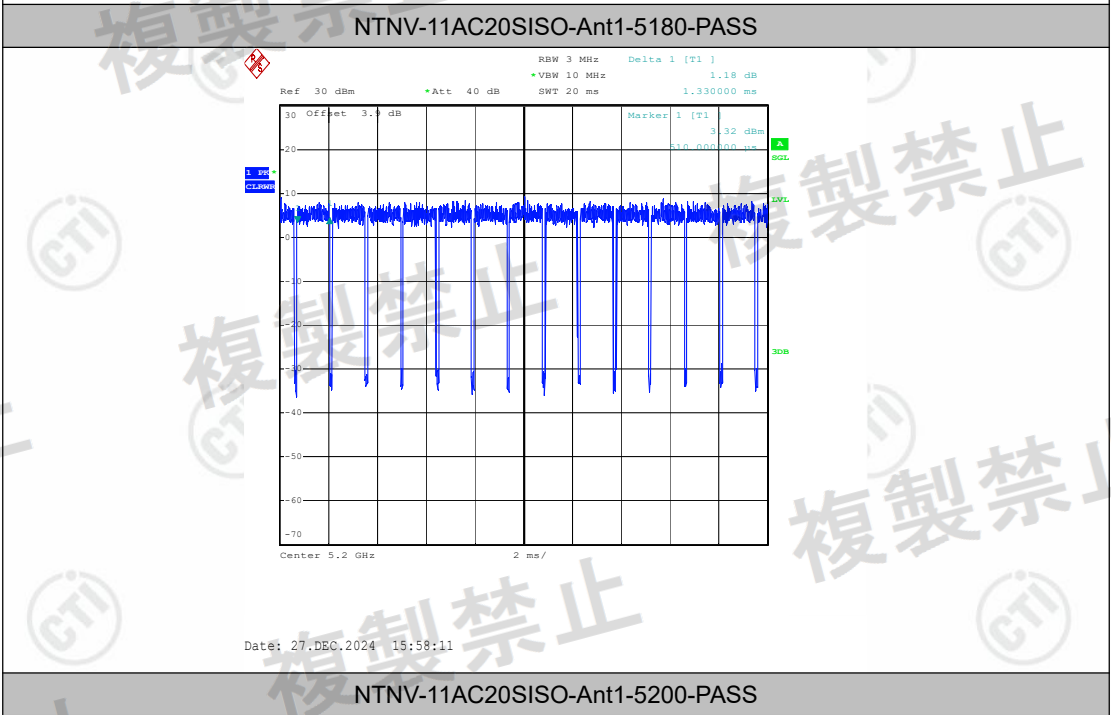
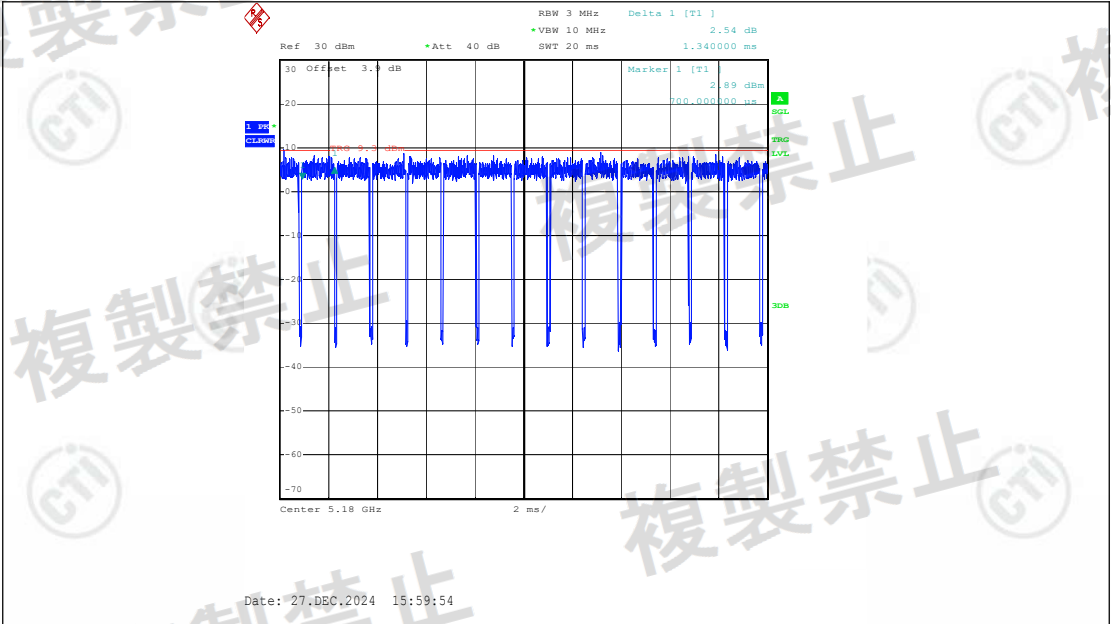
NTNV-11A-Ant1-5220-PASS

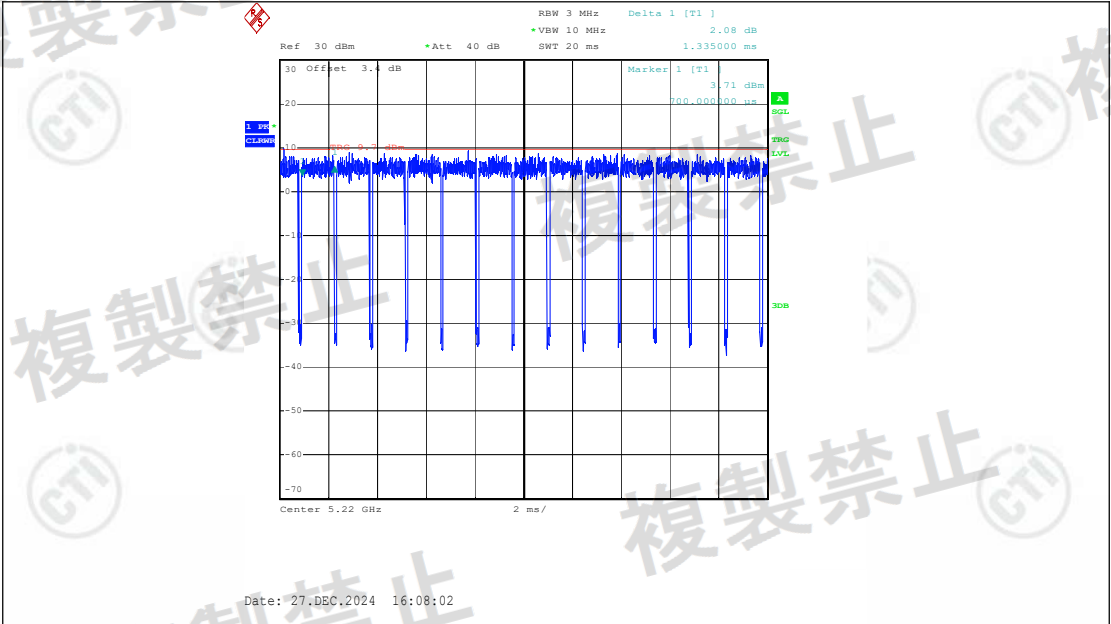


NTNV-11A-Ant1-5240-PASS

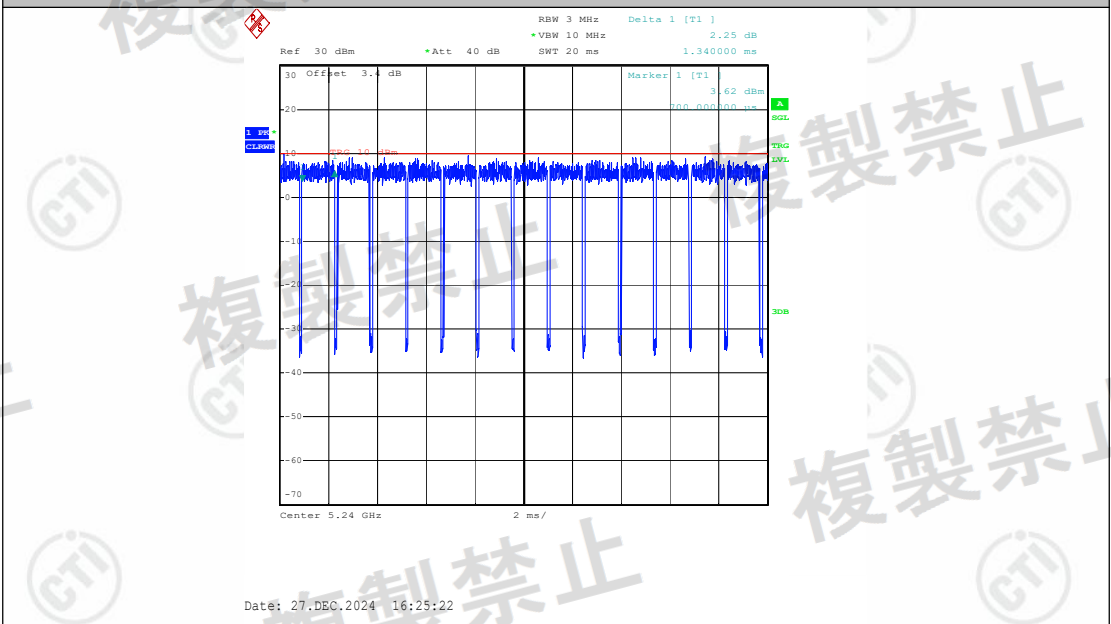








NTNV-11AC20SISO-Ant1-5220-PASS



NTNV-11AC20SISO-Ant1-5240-PASS

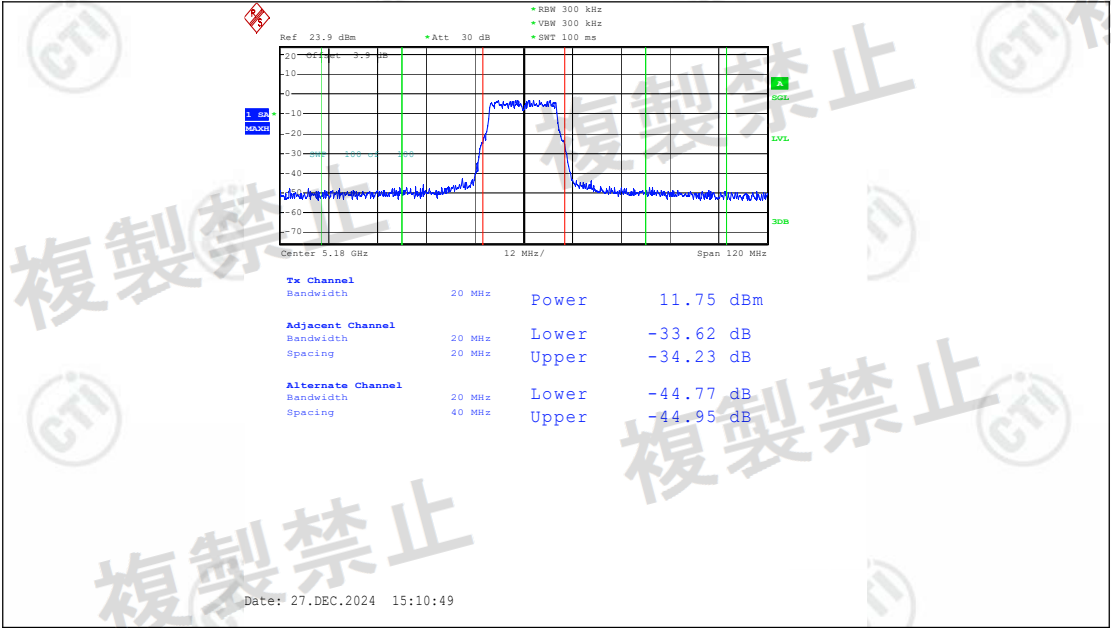
Appendix H: Adjacent Channel Power Tolerance

Test Result

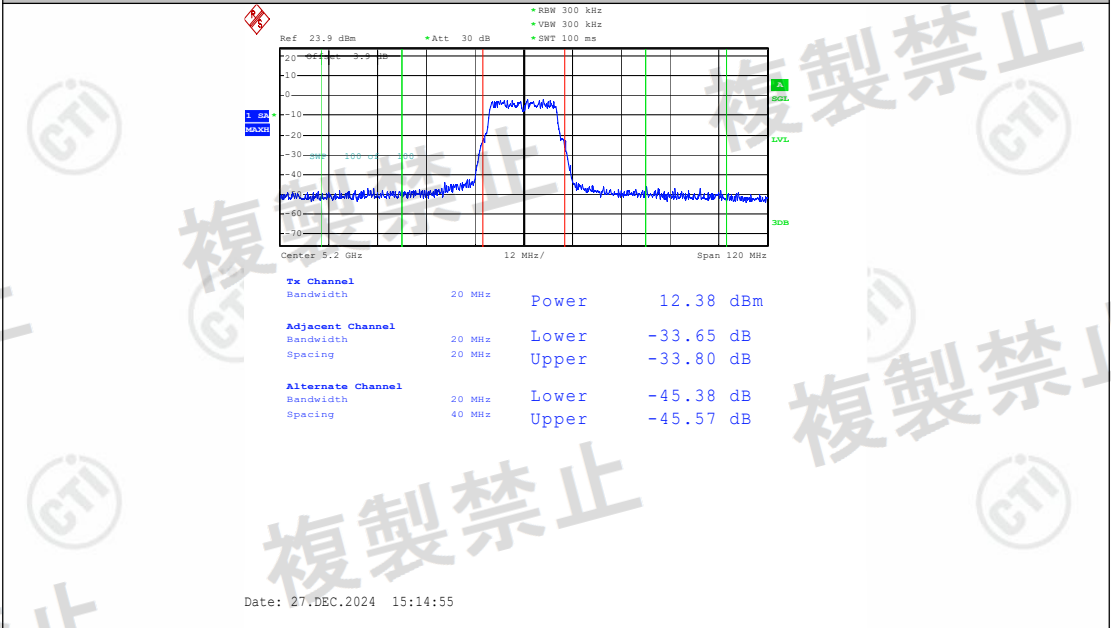
Test Condition	TestMode	Antenna	Frequency[MHz]	Offset [MHz]	Result [dBc]	Limit [dBc]	Verdict
NTNV	11A	Ant1	5180	-40	-44.77	≤-40	PASS
NTNV	11A	Ant1	5180	-20	-33.62	≤-25	PASS
NTNV	11A	Ant1	5180	+20	-34.23	≤-25	PASS
NTNV	11A	Ant1	5180	+40	-44.95	≤-40	PASS
NTNV	11A	Ant1	5200	-40	-45.38	≤-40	PASS
NTNV	11A	Ant1	5200	-20	-33.65	≤-25	PASS
NTNV	11A	Ant1	5200	+20	-33.80	≤-25	PASS
NTNV	11A	Ant1	5200	+40	-45.57	≤-40	PASS
NTNV	11A	Ant1	5220	-40	-45.45	≤-40	PASS
NTNV	11A	Ant1	5220	-20	-33.35	≤-25	PASS
NTNV	11A	Ant1	5220	+20	-33.97	≤-25	PASS
NTNV	11A	Ant1	5220	+40	-45.79	≤-40	PASS
NTNV	11A	Ant1	5240	-40	-45.38	≤-40	PASS
NTNV	11A	Ant1	5240	-20	-34.18	≤-25	PASS
NTNV	11A	Ant1	5240	+20	-33.90	≤-25	PASS
NTNV	11A	Ant1	5240	+40	-46.06	≤-40	PASS
NTNV	11N20SISO	Ant1	5180	-40	-44.50	≤-40	PASS
NTNV	11N20SISO	Ant1	5180	-20	-32.39	≤-25	PASS
NTNV	11N20SISO	Ant1	5180	+20	-33.52	≤-25	PASS
NTNV	11N20SISO	Ant1	5180	+40	-44.59	≤-40	PASS
NTNV	11N20SISO	Ant1	5200	-40	-45.62	≤-40	PASS
NTNV	11N20SISO	Ant1	5200	-20	-32.30	≤-25	PASS
NTNV	11N20SISO	Ant1	5200	+20	-32.54	≤-25	PASS
NTNV	11N20SISO	Ant1	5200	+40	-45.58	≤-40	PASS
NTNV	11N20SISO	Ant1	5220	-40	-44.87	≤-40	PASS
NTNV	11N20SISO	Ant1	5220	-20	-32.16	≤-25	PASS
NTNV	11N20SISO	Ant1	5220	+20	-32.83	≤-25	PASS
NTNV	11N20SISO	Ant1	5220	+40	-45.25	≤-40	PASS
NTNV	11N20SISO	Ant1	5240	-40	-44.76	≤-40	PASS
NTNV	11N20SISO	Ant1	5240	-20	-32.96	≤-25	PASS
NTNV	11N20SISO	Ant1	5240	+20	-32.96	≤-25	PASS
NTNV	11N20SISO	Ant1	5240	+40	-45.56	≤-40	PASS
NTNV	11AC20SISO	Ant1	5180	-40	-44.53	≤-40	PASS
NTNV	11AC20SISO	Ant1	5180	-20	-32.64	≤-25	PASS
NTNV	11AC20SISO	Ant1	5180	+20	-32.32	≤-25	PASS

NTNV	11AC20SISO	Ant1	5180	+40	-44.41	≤-40	PASS
NTNV	11AC20SISO	Ant1	5200	-40	-44.74	≤-40	PASS
NTNV	11AC20SISO	Ant1	5200	-20	-32.01	≤-25	PASS
NTNV	11AC20SISO	Ant1	5200	+20	-33.15	≤-25	PASS
NTNV	11AC20SISO	Ant1	5200	+40	-45.05	≤-40	PASS
NTNV	11AC20SISO	Ant1	5220	-40	-44.84	≤-40	PASS
NTNV	11AC20SISO	Ant1	5220	-20	-32.67	≤-25	PASS
NTNV	11AC20SISO	Ant1	5220	+20	-33.15	≤-25	PASS
NTNV	11AC20SISO	Ant1	5220	+40	-45.22	≤-40	PASS
NTNV	11AC20SISO	Ant1	5240	-40	-44.95	≤-40	PASS
NTNV	11AC20SISO	Ant1	5240	-20	-32.79	≤-25	PASS
NTNV	11AC20SISO	Ant1	5240	+20	-33.22	≤-25	PASS
NTNV	11AC20SISO	Ant1	5240	+40	-45.88	≤-40	PASS

Test Graphs



NTNV-11A-Ant1-5180-PASS



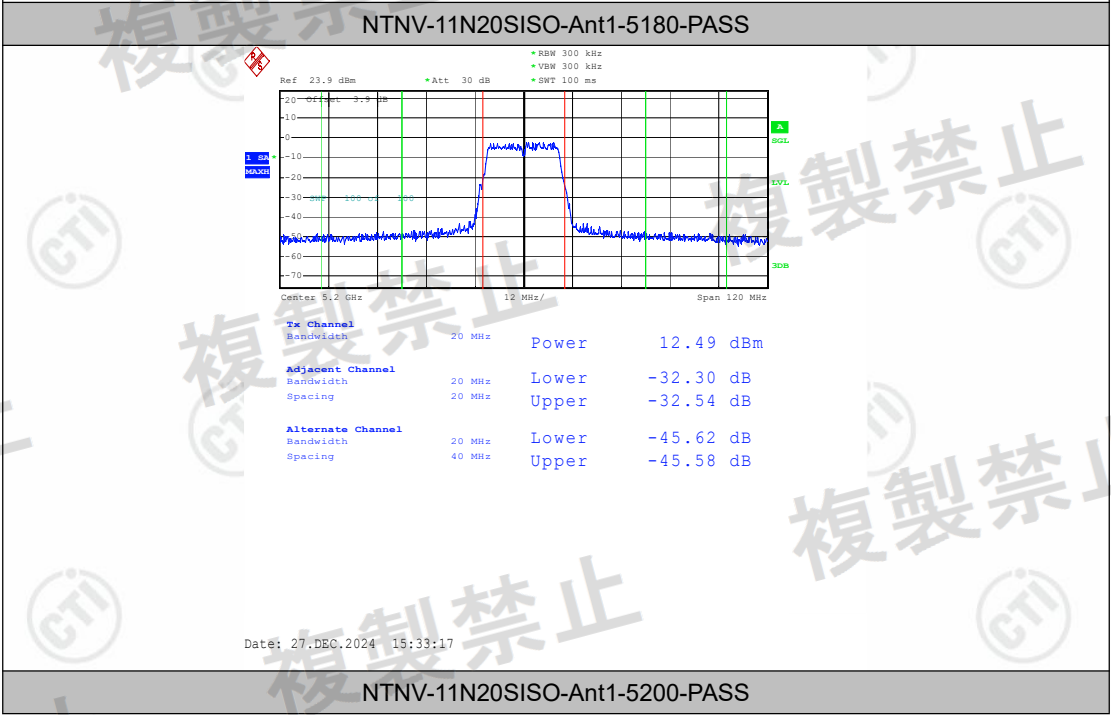
NTNV-11A-Ant1-5200-PASS



NTNV-11A-Ant1-5220-PASS



NTNV-11A-Ant1-5240-PASS

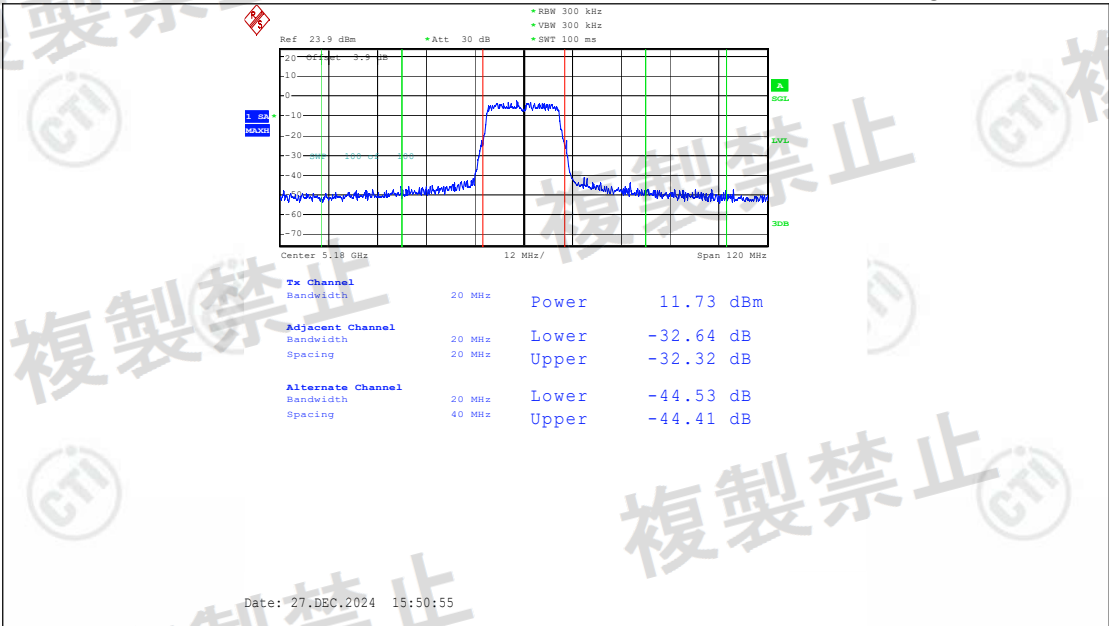




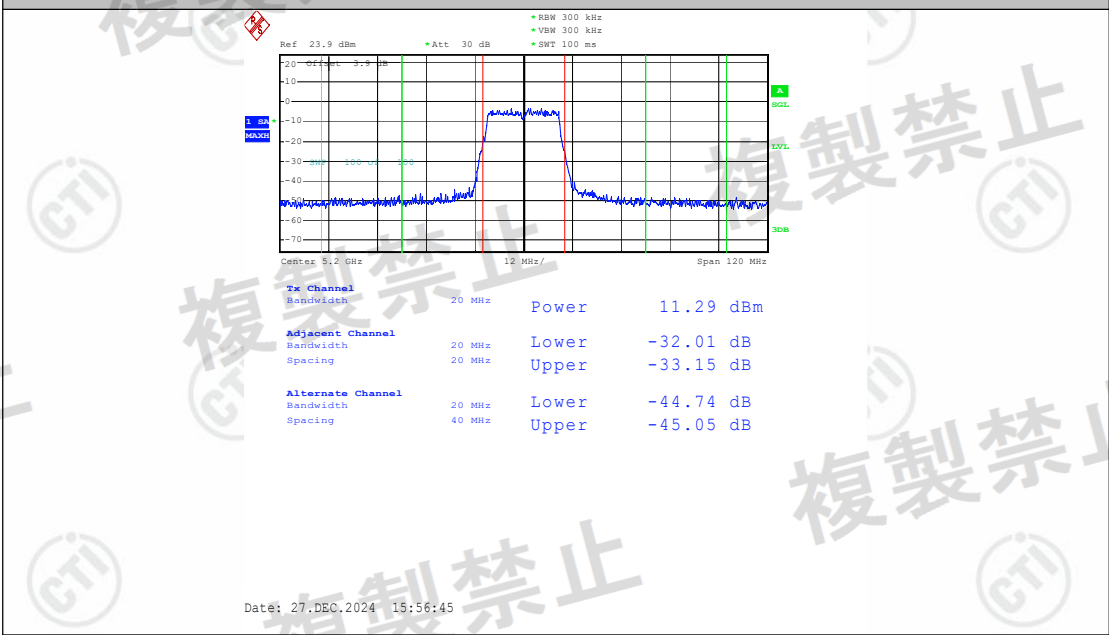
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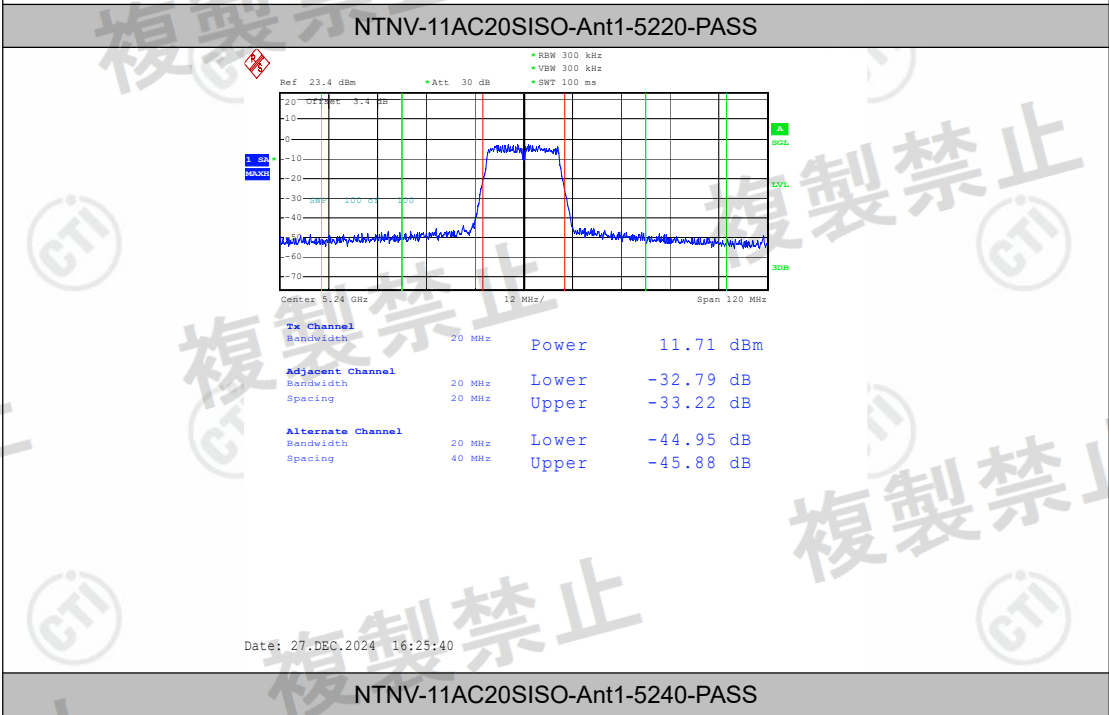
NTNV-11N20SISO-Ant1-5240-PASS



NTNV-11AC20SISO-Ant1-5180-PASS



NTNV-11AC20SISO-Ant1-5200-PASS



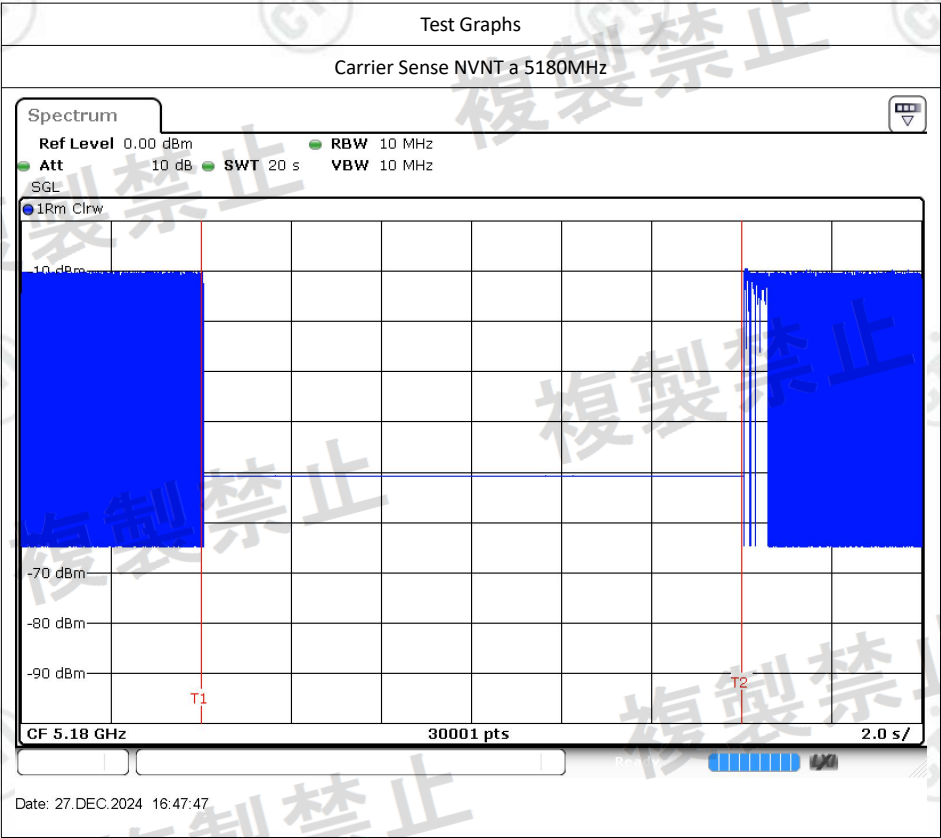
Appendix I: Carrier Sense Function

Test Result

Condition	Mode	Frequency (MHz)	Antenna	CW Level (dBm)	Verdict
NVNT	a	5180	Ant1	-50.1565951949047	PASS

Note: $P_{cs} \text{ (dBm)} = 22.79 + Gr - 20\log(F)$.

Test Graphs



END OF REPORT