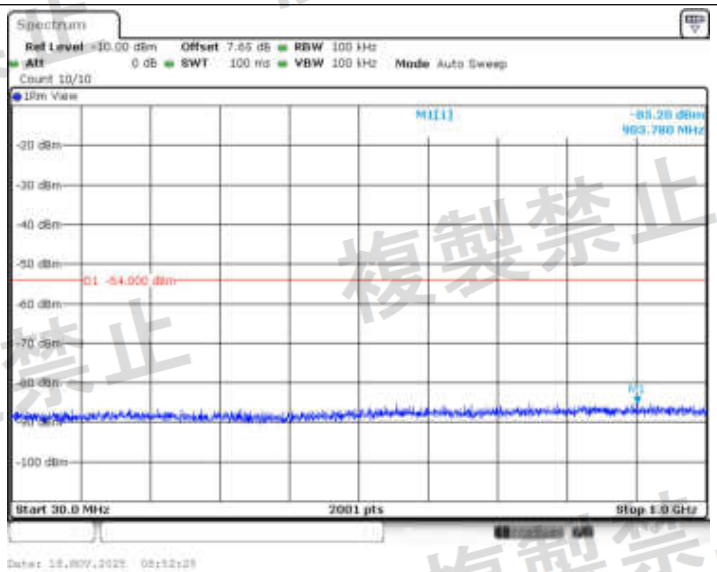
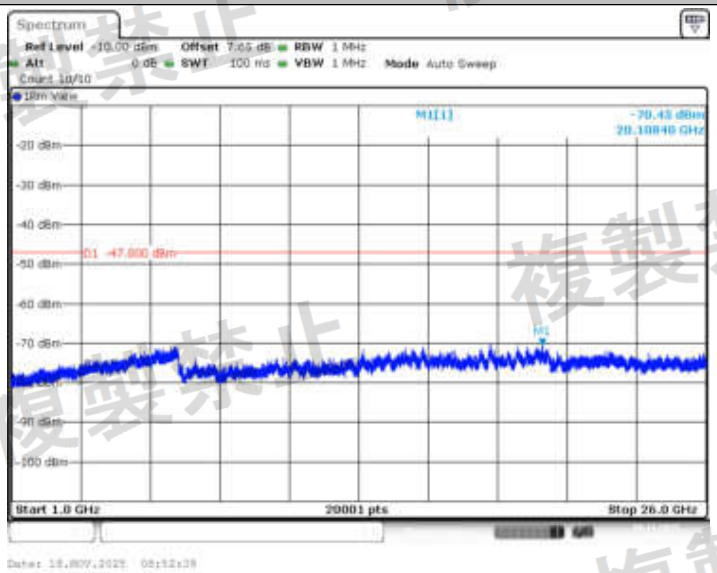
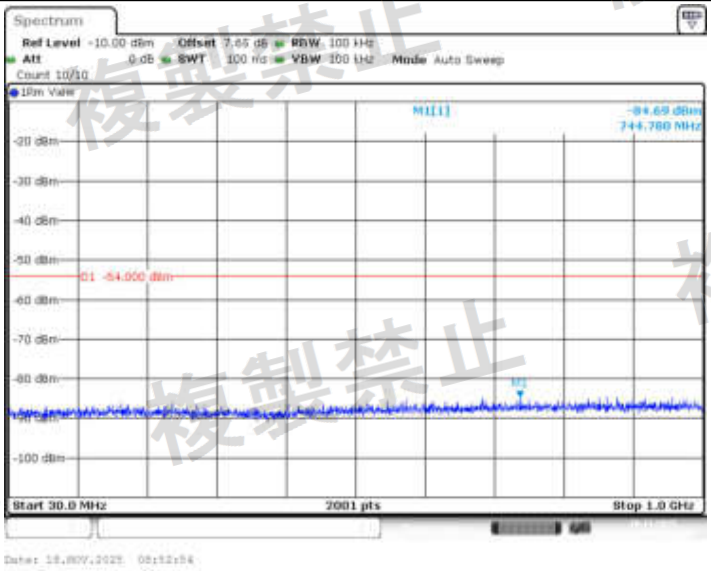


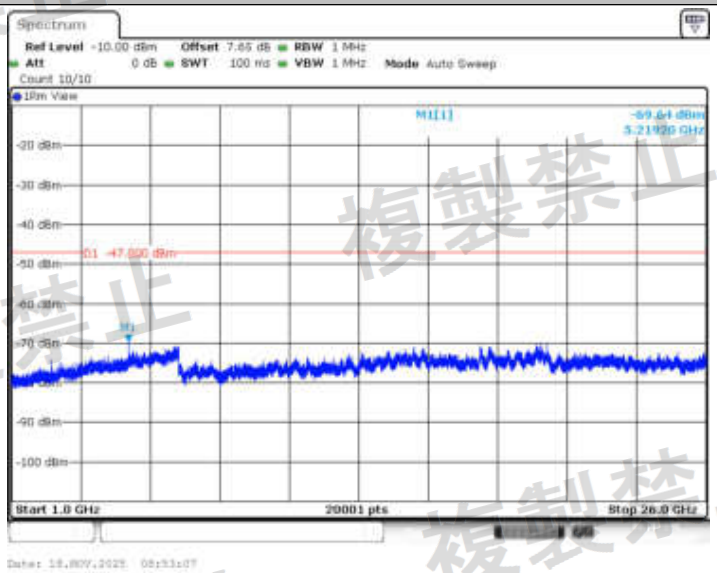
NTNV_11AX20SISO_Ant1_5240_1000~26000



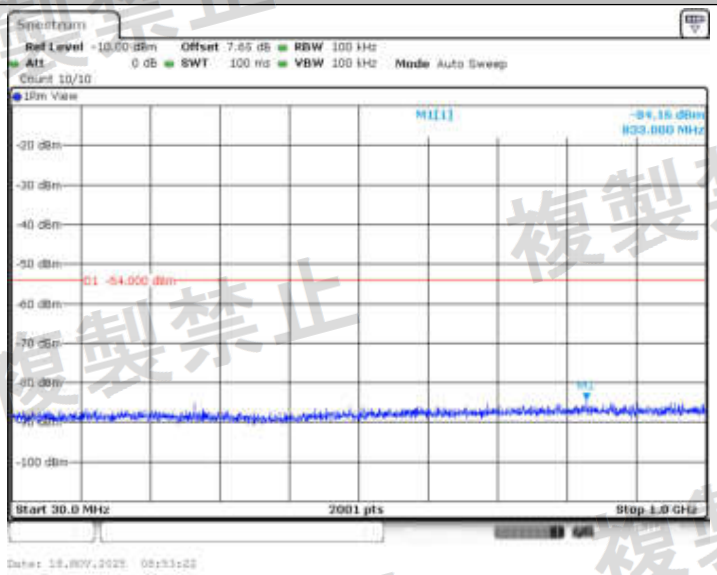
NTNV_11AX40SISO_Ant1_5190_30~1000



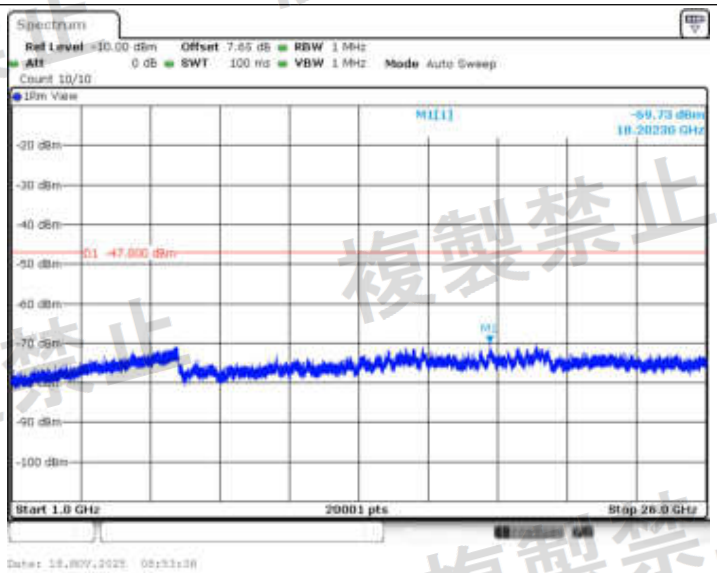
NTNV_11AX40SISO_Ant1_5190_1000~26000



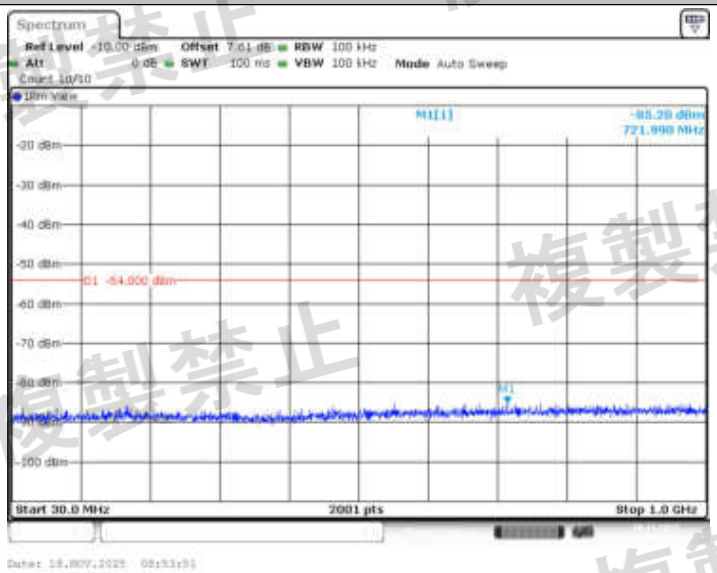
NTNV_11AX40SISO_Ant1_5230_30~1000



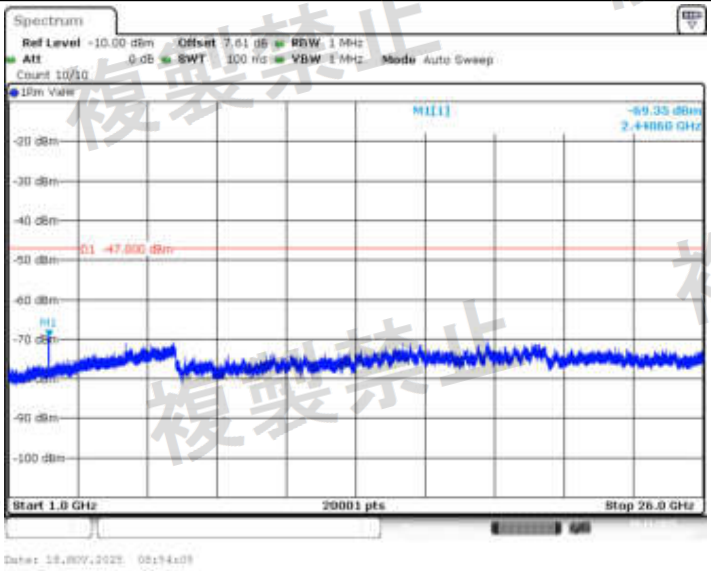
NTNV_11AX40SISO_Ant1_5230_1000~26000



NTNV_11AX80SISO_Ant1_5210_30~1000



NTNV_11AX80SISO_Ant1_5210_1000~26000



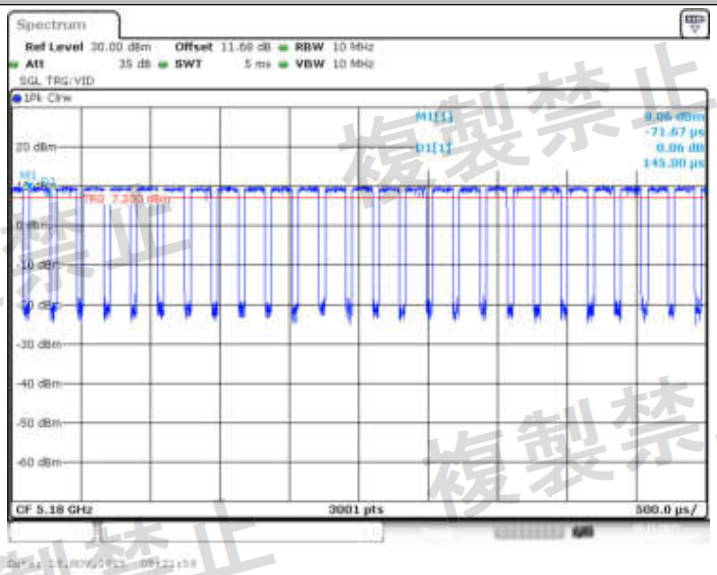
Appendix F: Transmission Burst Length

Test Result

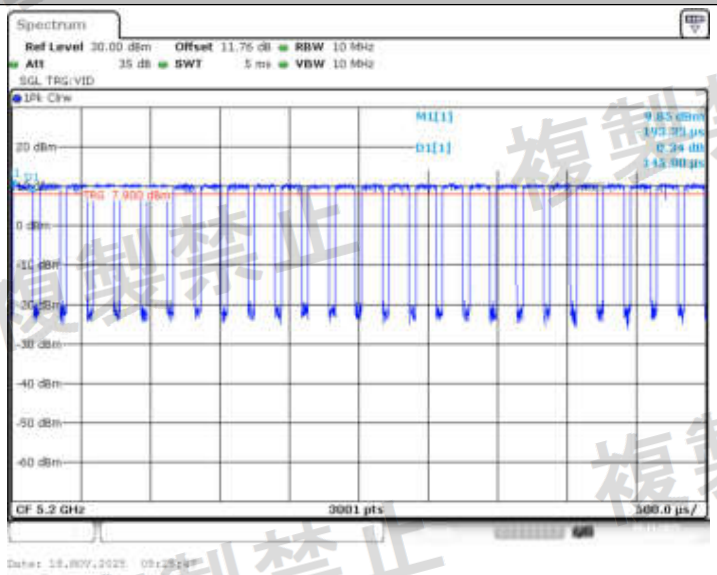
TestCondition	TestMode	Antenna	Freq(MHz)	Result [ms]	Limit [ms]	Verdict
NTNV	11A	Ant1	5180	0.15	≤8	PASS
			5200	0.15	≤8	PASS
			5240	0.15	≤8	PASS
	11N20SISO	Ant1	5180	0.17	≤8	PASS
			5200	0.17	≤8	PASS
			5240	0.17	≤8	PASS
	11N40SISO	Ant1	5190	0.18	≤8	PASS
			5230	0.32	≤8	PASS
	11AC20SISO	Ant1	5180	0.16	≤8	PASS
			5200	0.16	≤8	PASS
			5240	0.16	≤8	PASS
	11AC40SISO	Ant1	5190	0.15	≤8	PASS
			5230	0.15	≤8	PASS
	11AC80SISO	Ant1	5210	0.16	≤8	PASS
	11AX20SISO	Ant1	5180	0.25	≤8	PASS
			5200	0.25	≤8	PASS
			5240	0.25	≤8	PASS
	11AX40SISO	Ant1	5190	0.17	≤8	PASS
			5230	0.17	≤8	PASS
	11AX80SISO	Ant1	5210	0.16	≤8	PASS

Test Graphs

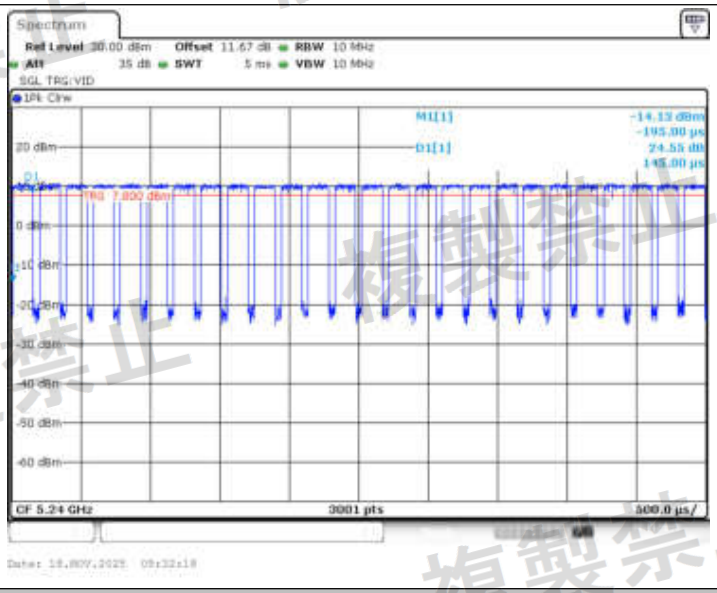
NTNV_11A_Ant1_5180



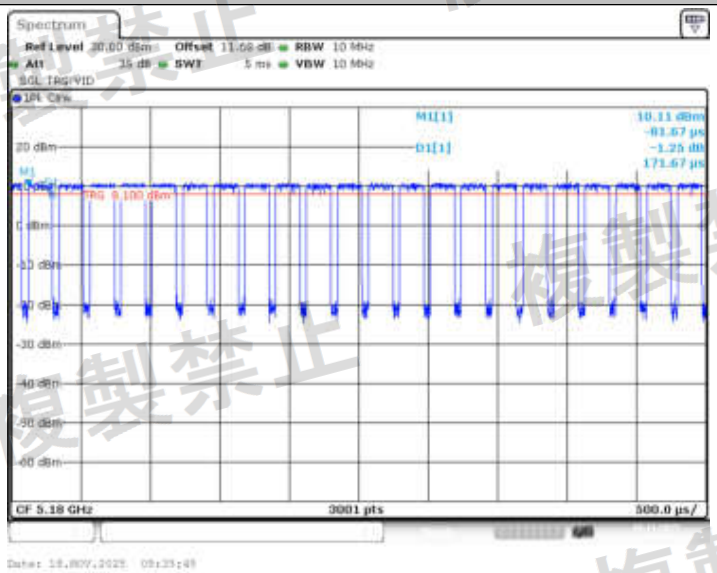
NTNV_11A_Ant1_5200



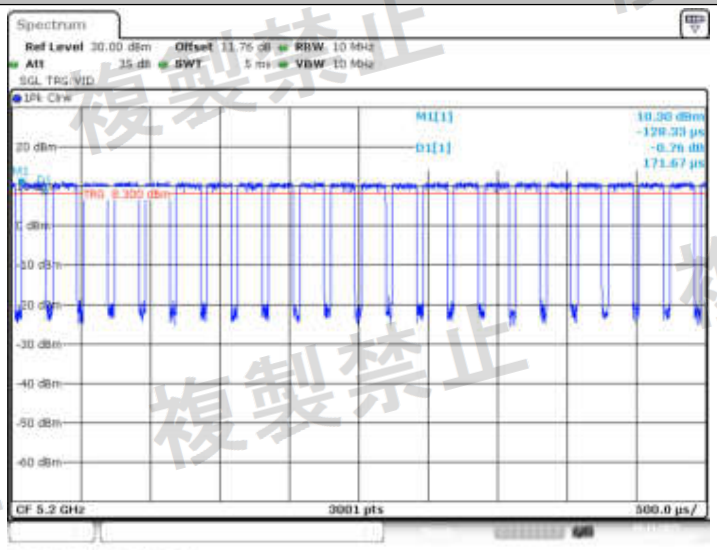
NTNV_11A_Ant1_5240



NTNV_11N20SISO_Ant1_5180



NTNV_11N20SISO_Ant1_5200



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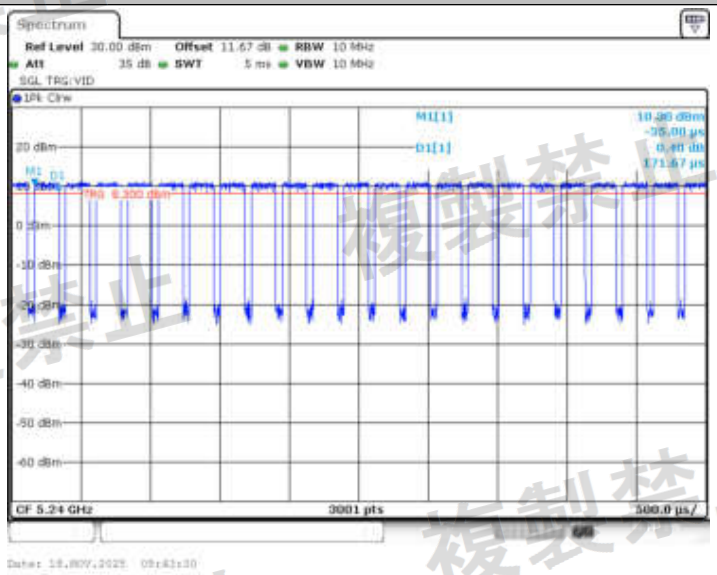
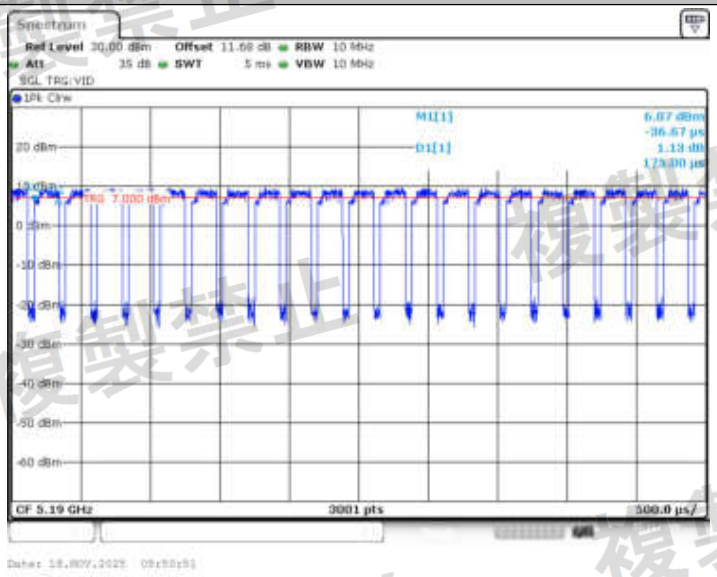
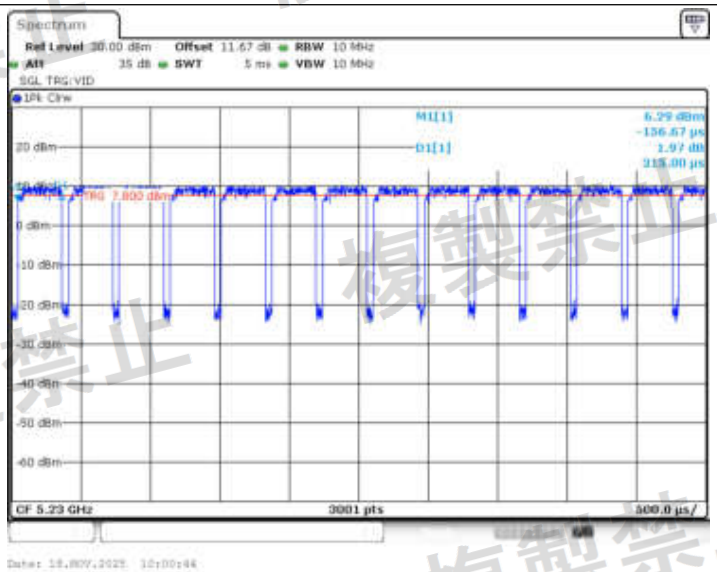
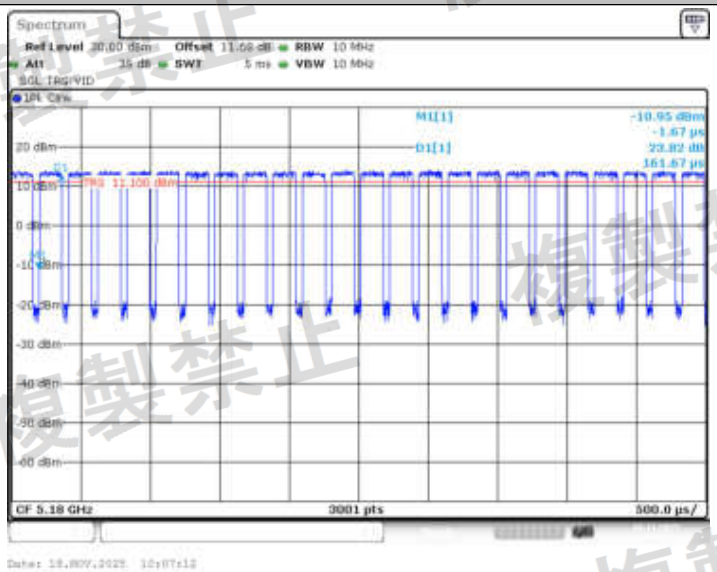
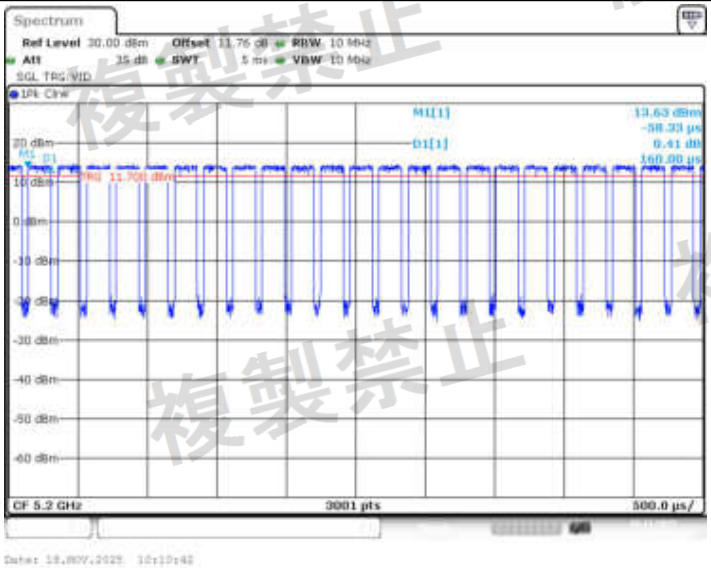

NTNV_11N40SISO_Ant1_5190

NTNV_11N40SISO_Ant1_5230



NTNV_11AC20SISO_Ant1_5180



NTNV_11AC20SISO_Ant1_5200



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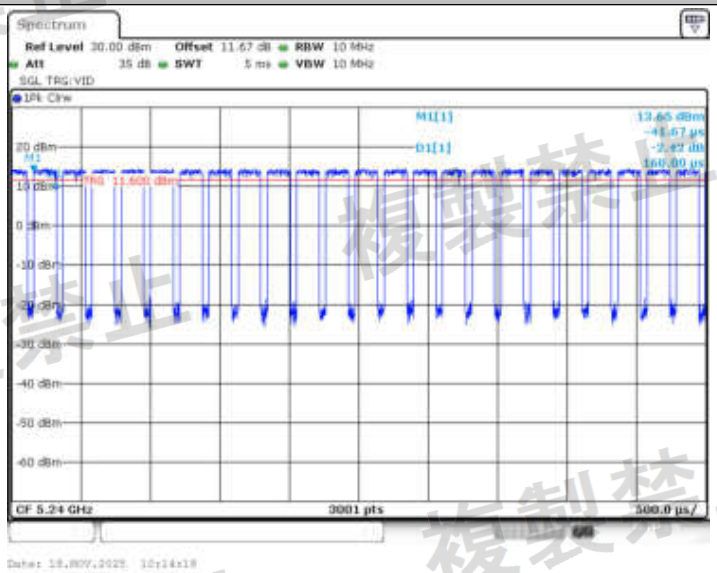
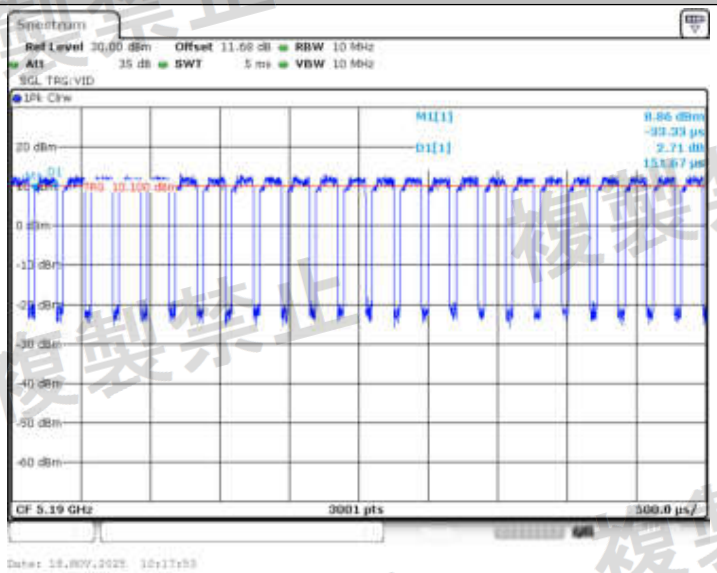
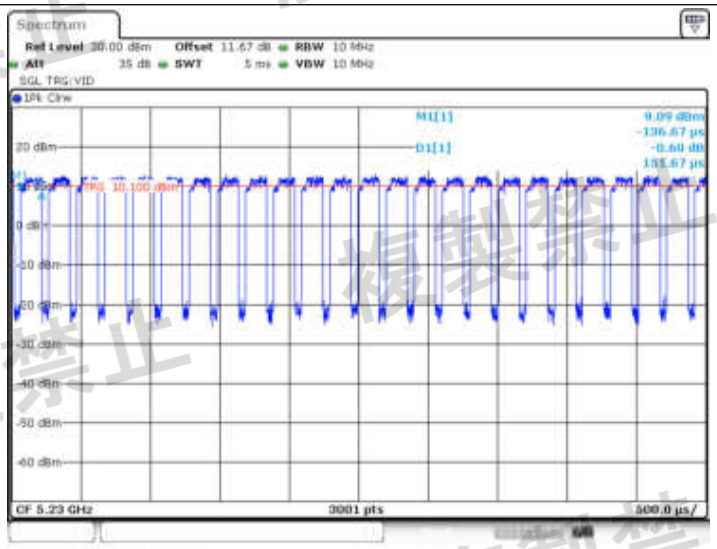


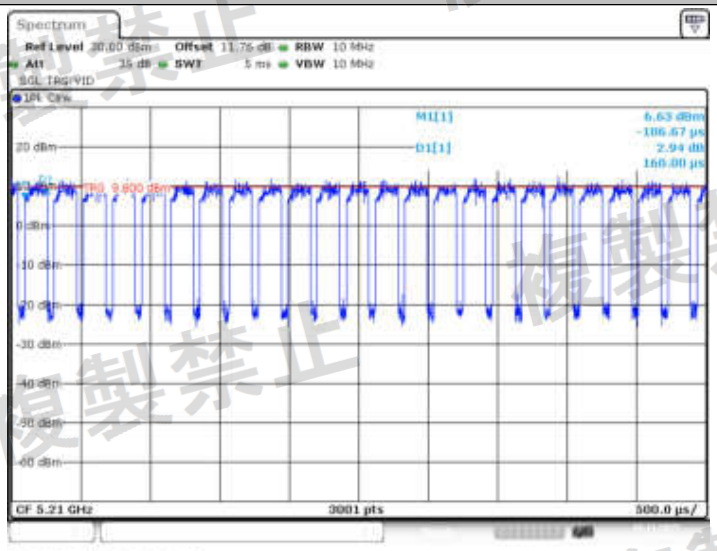
NTNV_11AC40SISO_Ant1_5190



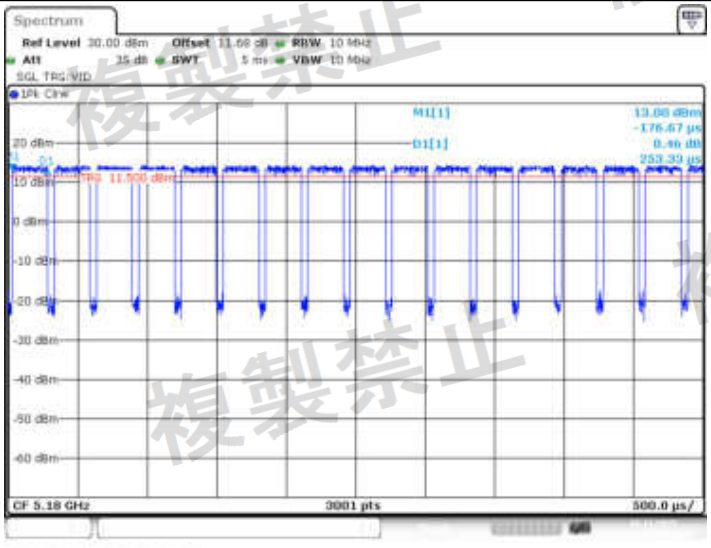
NTNV_11AC40SISO_Ant1_5230

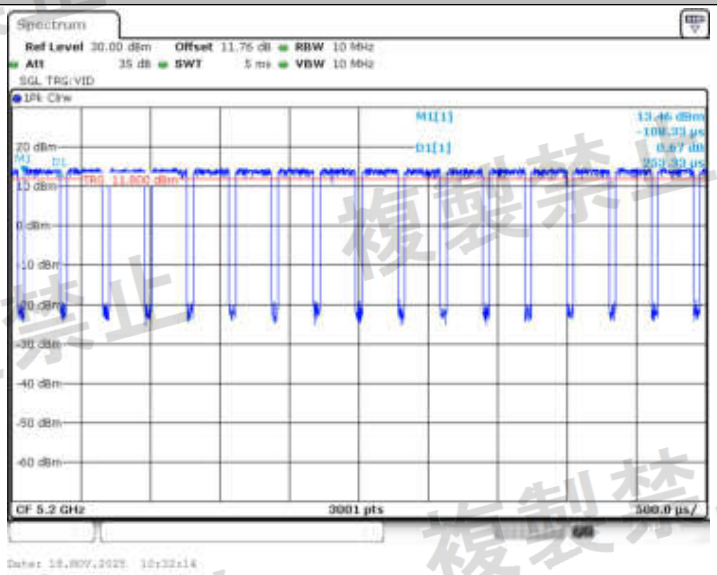
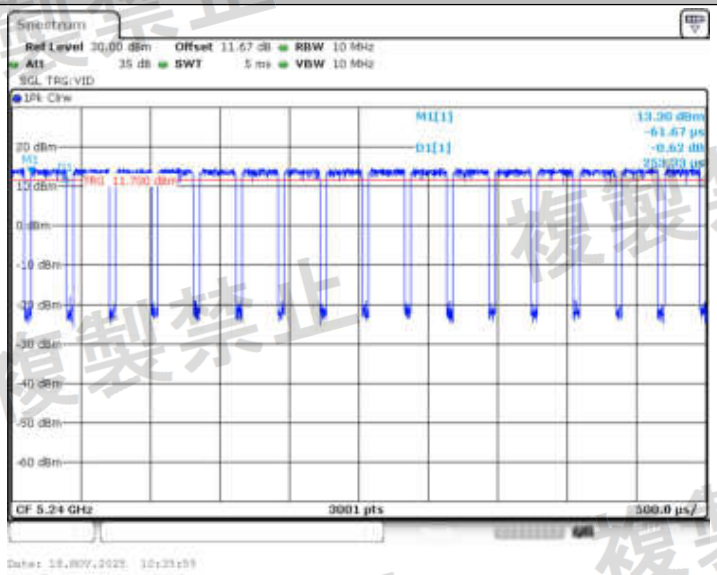


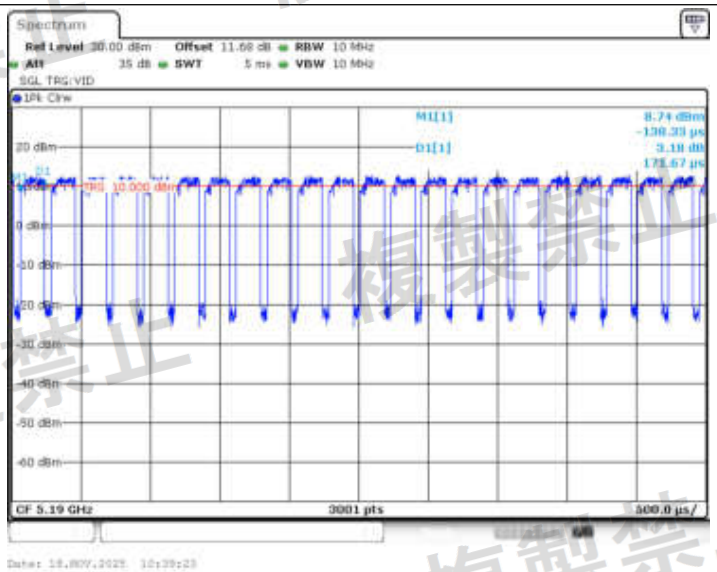
NTNV_11AC80SISO_Ant1_5210



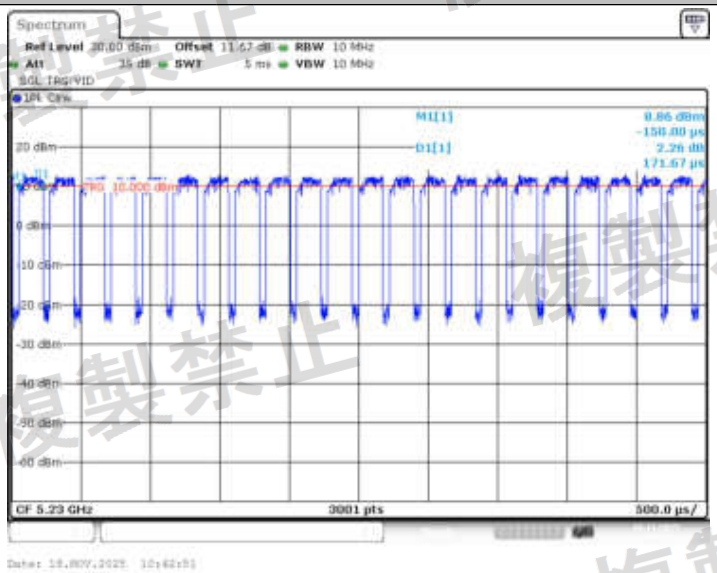
NTNV_11AX20SISO_Ant1_5180



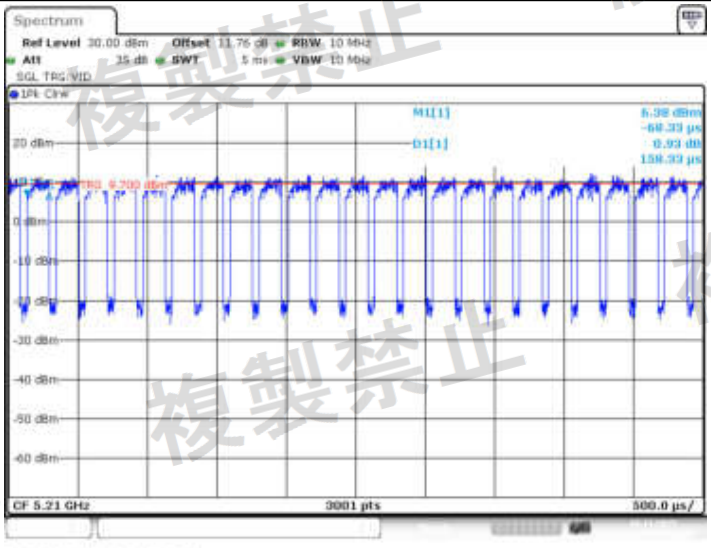
NTNV_11AX20SISO_Ant1_5200

NTNV_11AX20SISO_Ant1_5240

NTNV_11AX40SISO_Ant1_5190



NTNV_11AX40SISO_Ant1_5230



NTNV_11AX80SISO_Ant1_5210



MIC Appendix RF Test Data for 5.1G WIFI ANT2

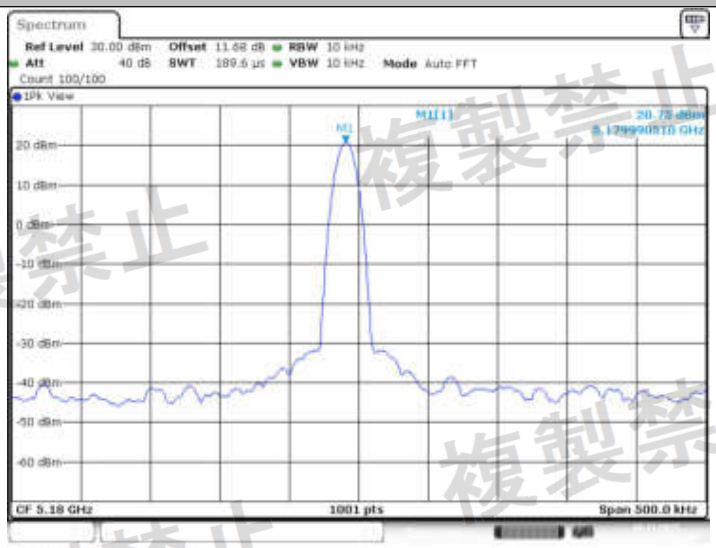
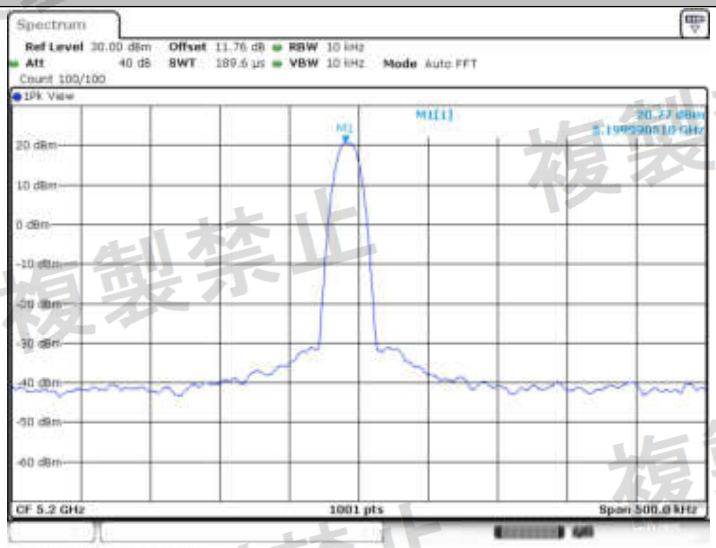
Appendix A: Frequency Error

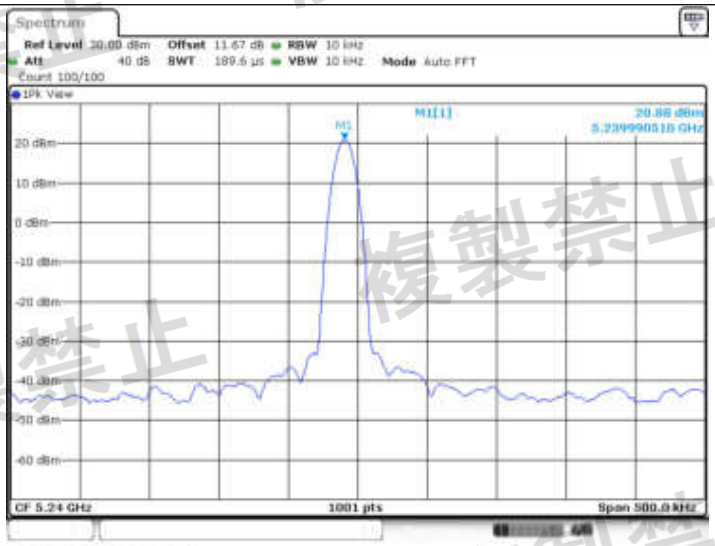
Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	CenterFreq [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	11A	Ant2	5180	5179.990051	-1.83205	±20	PASS
			5200	5199.990051	-1.82500	±20	PASS
			5240	5239.990051	-1.81107	±20	PASS
	11N40SISO	Ant2	5190	5189.990051	-1.82852	±20	PASS
			5230	5229.990051	-1.81453	±20	PASS
	11AC80SISO	Ant2	5210	5209.990051	-1.82150	±20	PASS

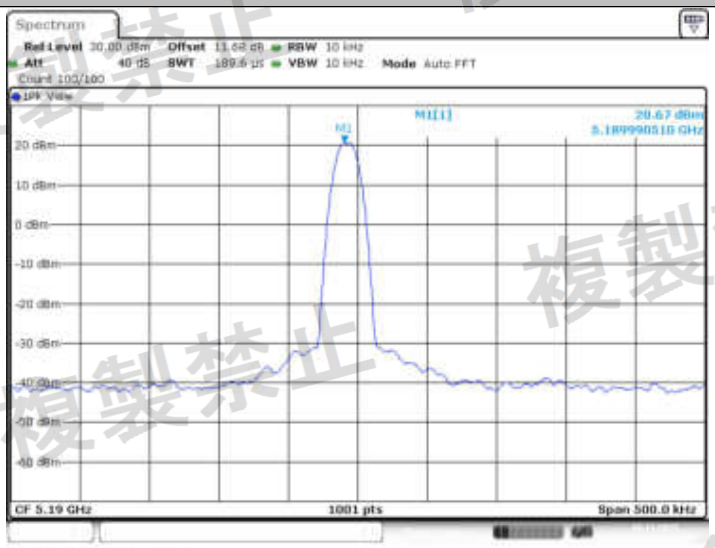
複製禁止

Test Graphs

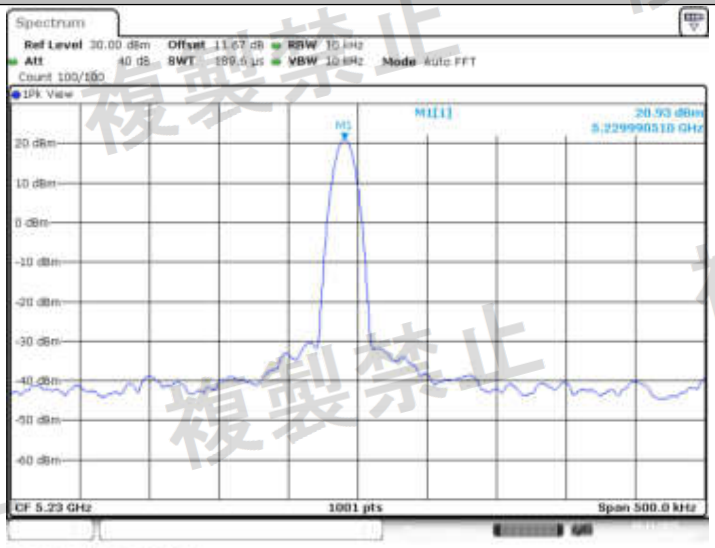
NTNV_11A_Ant2_5180

NTNV_11A_Ant2_5200

NTNV_11A_Ant2_5240



NTNV_11N40SISO_Ant2_5190



NTNV_11N40SISO_Ant2_5230



NTNV_11AC80SISO_Ant2_5210

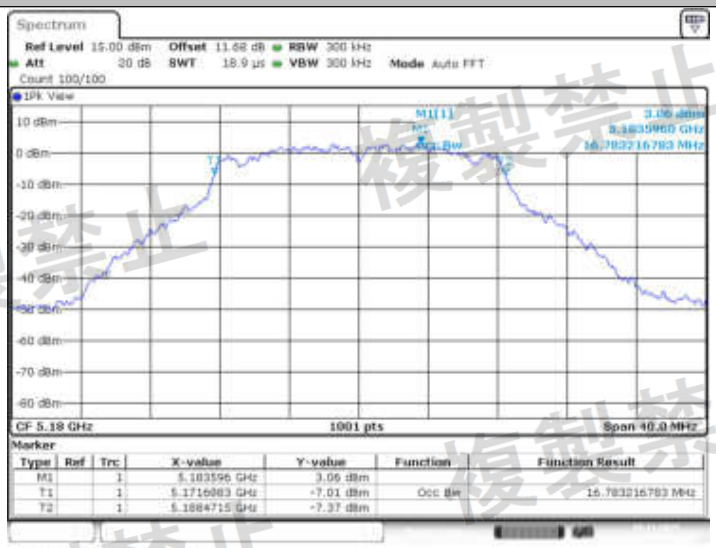
Appendix B: Occupied Bandwidth

Test Result

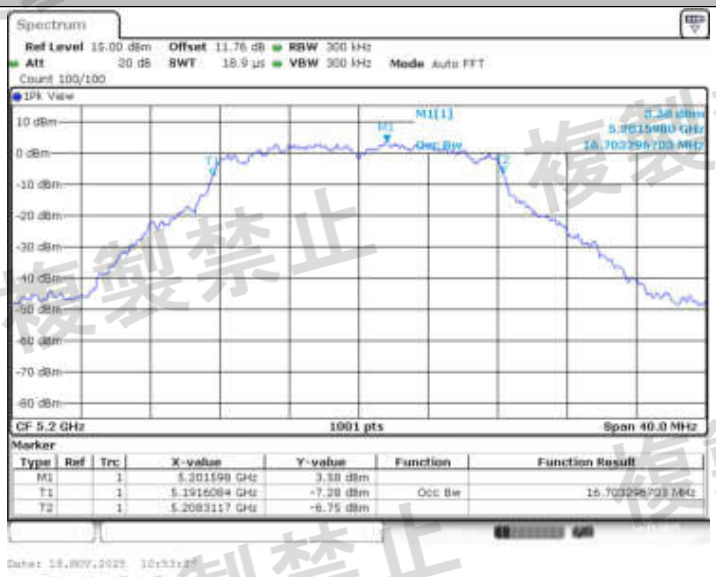
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant2	5180	16.783	≤20	PASS
			5200	16.703	≤20	PASS
			5240	16.783	≤20	PASS
	11N20SISO	Ant2	5180	17.822	≤20	PASS
			5200	17.822	≤20	PASS
			5240	17.742	≤20	PASS
	11N40SISO	Ant2	5190	35.964	≤40	PASS
			5230	35.884	≤40	PASS
	11AC20SISO	Ant2	5180	17.782	≤20	PASS
			5200	17.822	≤20	PASS
			5240	17.822	≤20	PASS
	11AC40SISO	Ant2	5190	35.964	≤40	PASS
			5230	35.964	≤40	PASS
	11AC80SISO	Ant2	5210	75.125	≤80	PASS
	11AX20SISO	Ant2	5180	18.941	≤20	PASS
			5200	18.941	≤20	PASS
			5240	18.941	≤20	PASS
	11AX40SISO	Ant2	5190	37.483	≤40	PASS
			5230	37.562	≤40	PASS
	11AX80SISO	Ant2	5210	76.563	≤80	PASS

Test Graphs

NTNV_11A_Ant2_5180



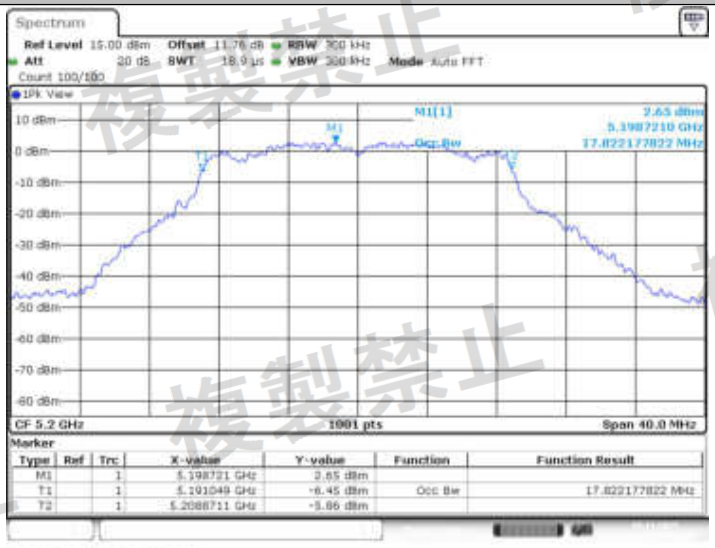
NTNV_11A_Ant2_5200



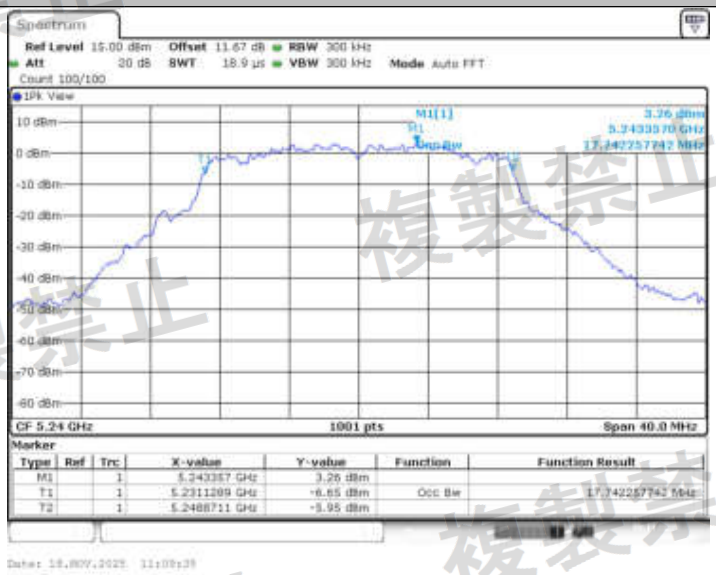
NTNV_11A_Ant2_5240

NTNV_11N20SISO_Ant2_5180

NTNV_11N20SISO_Ant2_5200

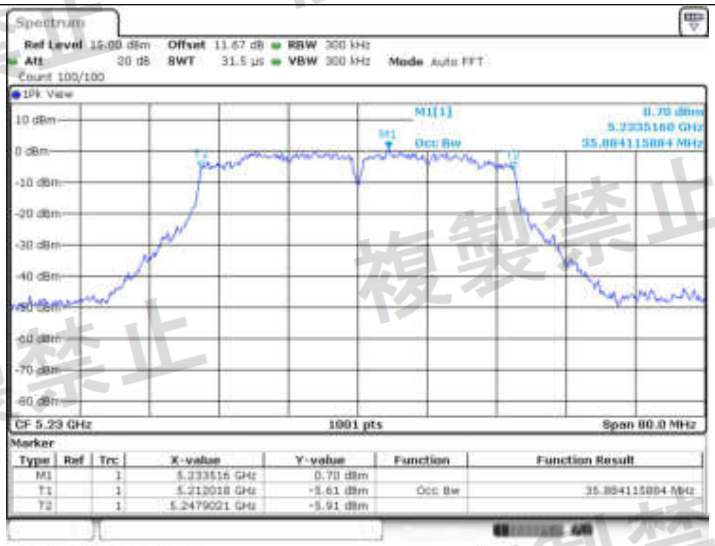


NTNV_11N20SISO_Ant2_5240



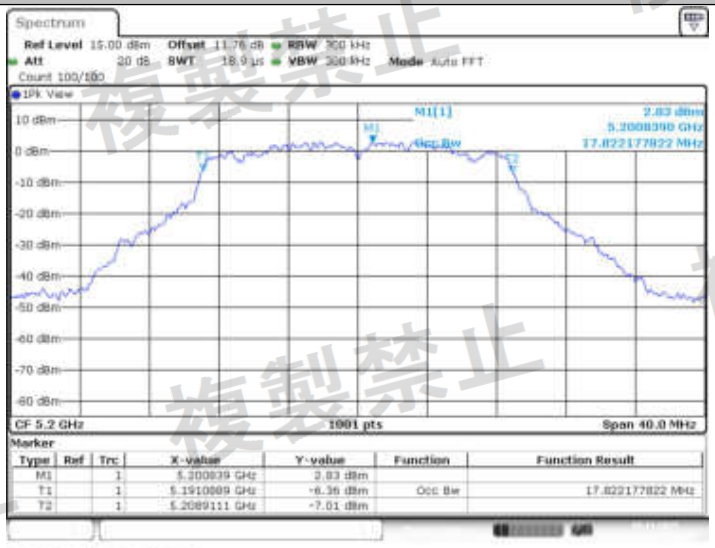
NTNV_11N40SISO_Ant2_5190

NTNV_11N40SISO_Ant2_5230

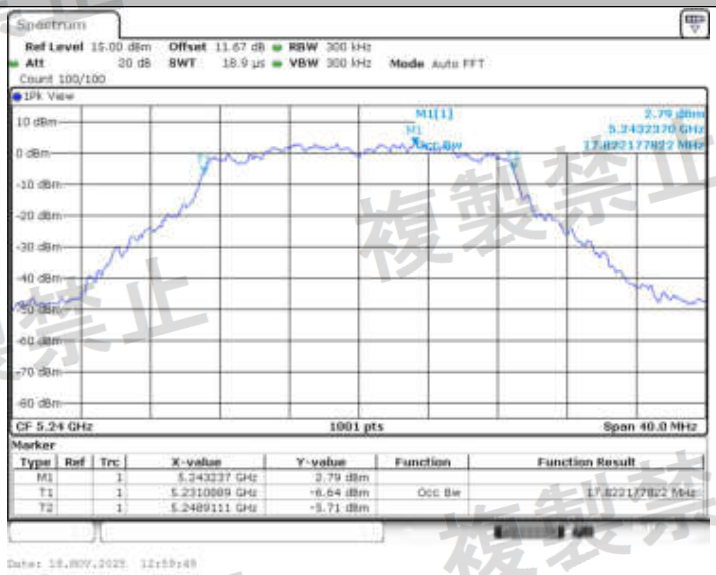


NTNV_11AC20SISO_Ant2_5180

NTNV_11AC20SISO_Ant2_5200

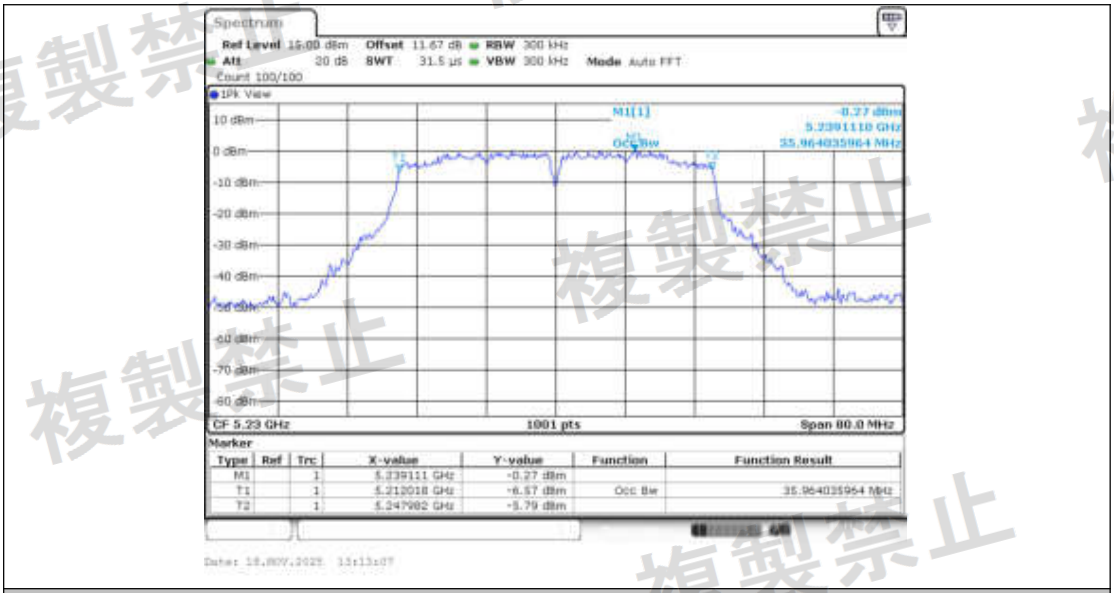


NTNV_11AC20SISO_Ant2_5240

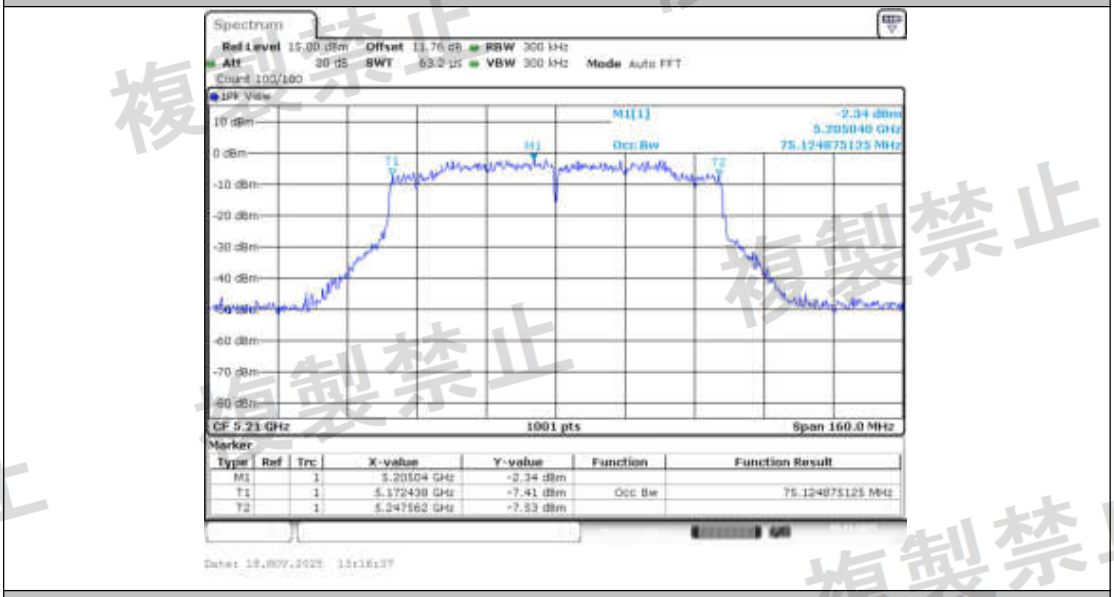


NTNV_11AC40SISO_Ant2_5190

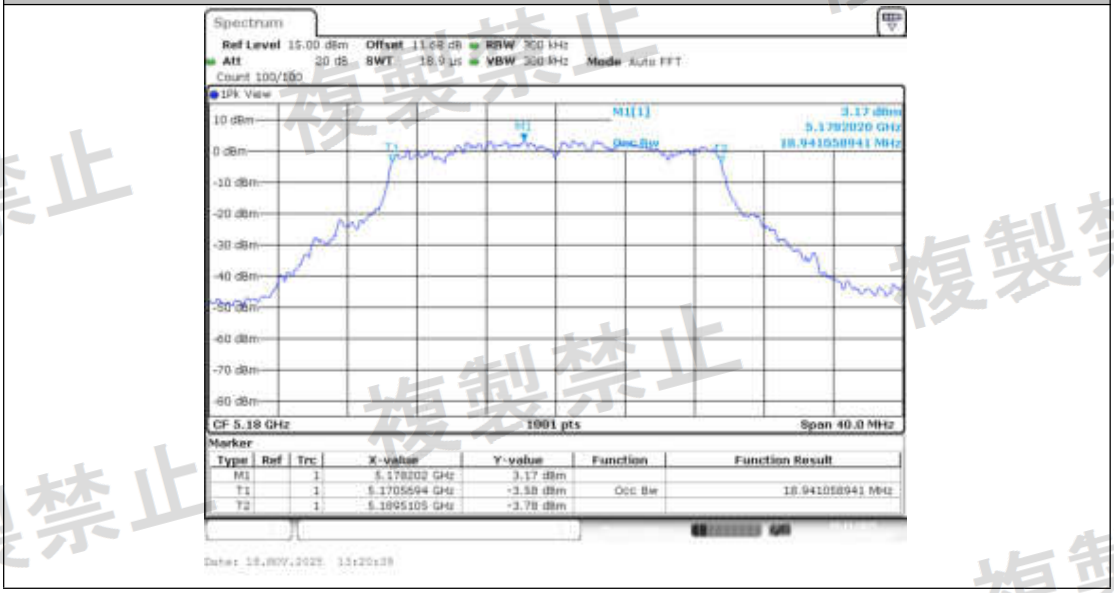
NTNV_11AC40SISO_Ant2_5230



NTNV_11AC80SISO_Ant2_5210



NTNV_11AX20SISO_Ant2_5180

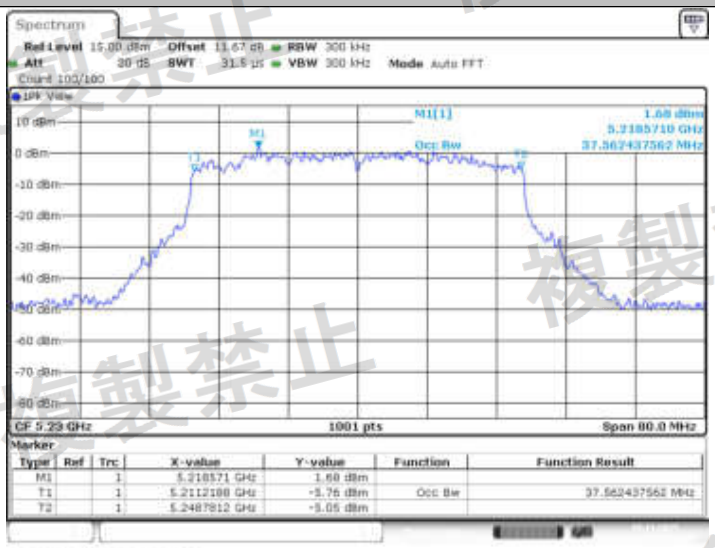


NTNV_11AX20SISO_Ant2_5200

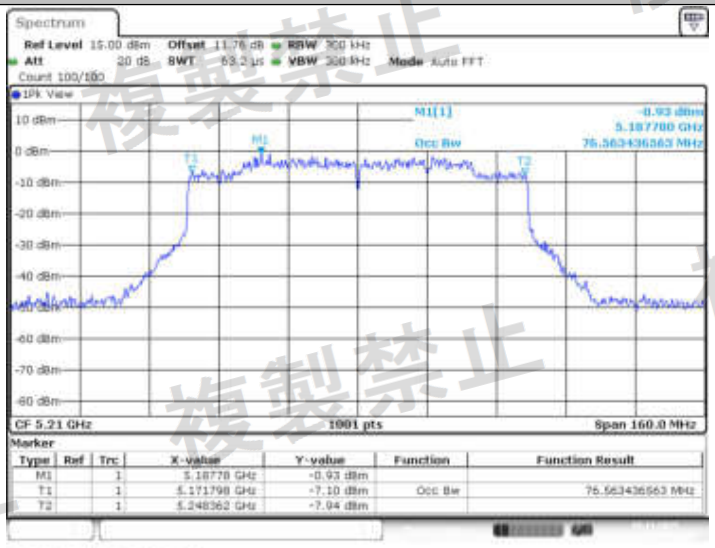
NTNV_11AX20SISO_Ant2_5240

NTNV_11AX40SISO_Ant2_5190

NTNV_11AX40SISO_Ant2_5230



NTNV_11AX80SISO_Ant2_5210



Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant2	5180	13.826	≥0.5	PASS
			5200	13.906	≥0.5	PASS
			5240	13.826	≥0.5	PASS
	11N20SISO	Ant2	5180	14.985	≥0.5	PASS
			5200	14.985	≥0.5	PASS
			5240	15.025	≥0.5	PASS
	11N40SISO	Ant2	5190	29.970	≥0.5	PASS
			5230	30.210	≥0.5	PASS
	11AC20SISO	Ant2	5180	15.065	≥0.5	PASS
			5200	14.825	≥0.5	PASS
			5240	15.025	≥0.5	PASS
	11AC40SISO	Ant2	5190	30.210	≥0.5	PASS
			5230	30.210	≥0.5	PASS
	11AC80SISO	Ant2	5210	61.858	≥0.5	PASS
	11AX20SISO	Ant2	5180	16.503	≥0.5	PASS
			5200	16.424	≥0.5	PASS
			5240	16.224	≥0.5	PASS
	11AX40SISO	Ant2	5190	31.409	≥0.5	PASS
			5230	31.648	≥0.5	PASS
	11AX80SISO	Ant2	5210	63.457	≥0.5	PASS

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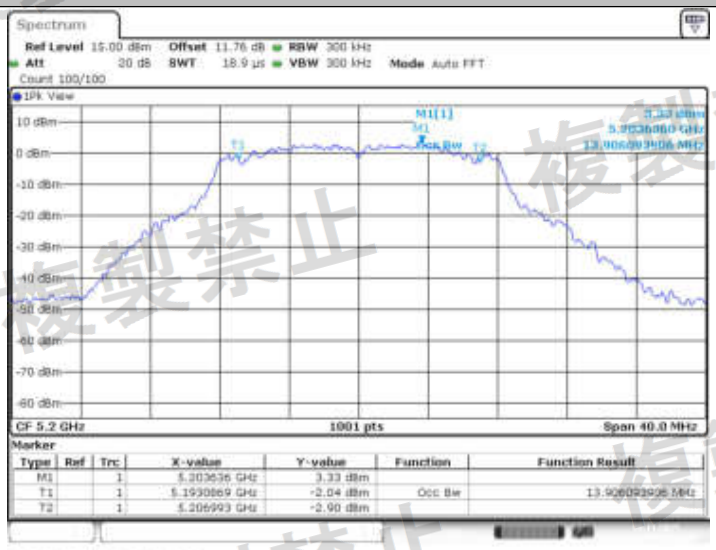
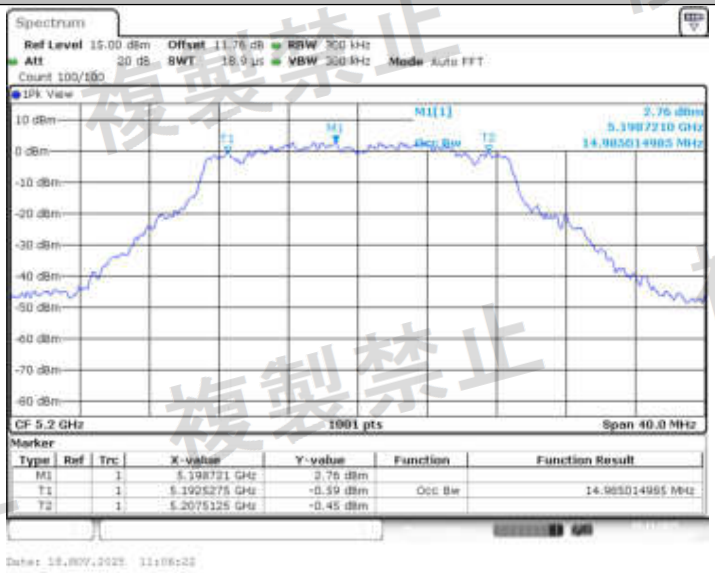
Test Graphs

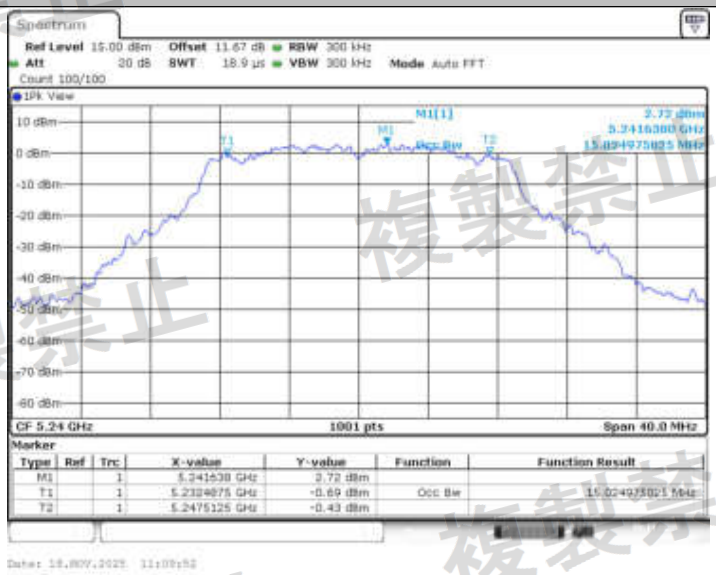
NTNV_11A_Ant2_5180
NTNV_11A_Ant2_5200

NTNV_11A_Ant2_5240

NTNV_11N20SISO_Ant2_5180

NTNV_11N20SISO_Ant2_5200



NTNV_11N20SISO_Ant2_5240

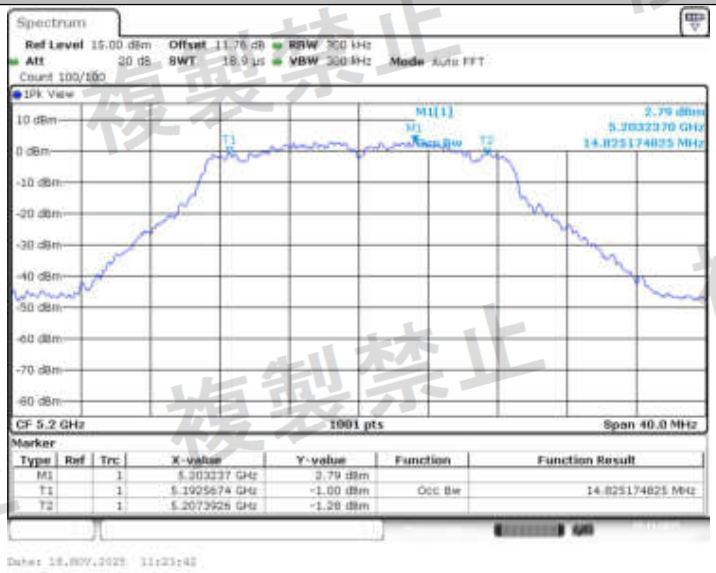


NTNV_11N40SISO_Ant2_5190

NTNV_11N40SISO_Ant2_5230

NTNV_11AC20SISO_Ant2_5180

NTNV_11AC20SISO_Ant2_5200

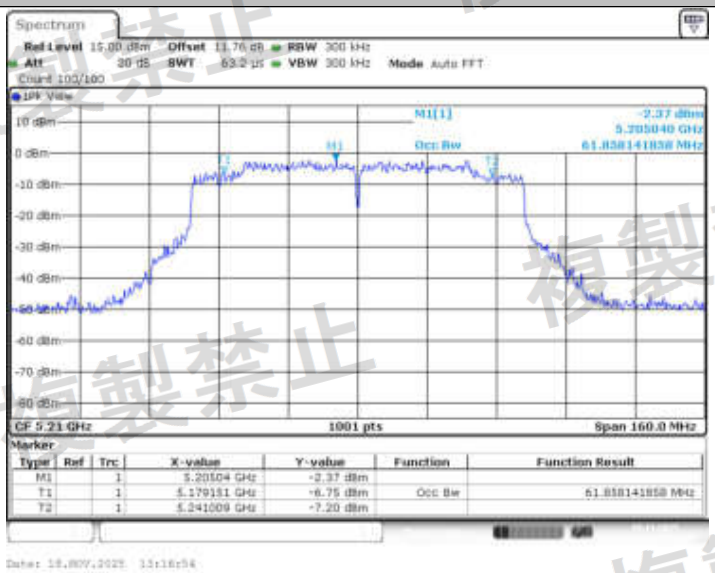


NTNV_11AC20SISO_Ant2_5240

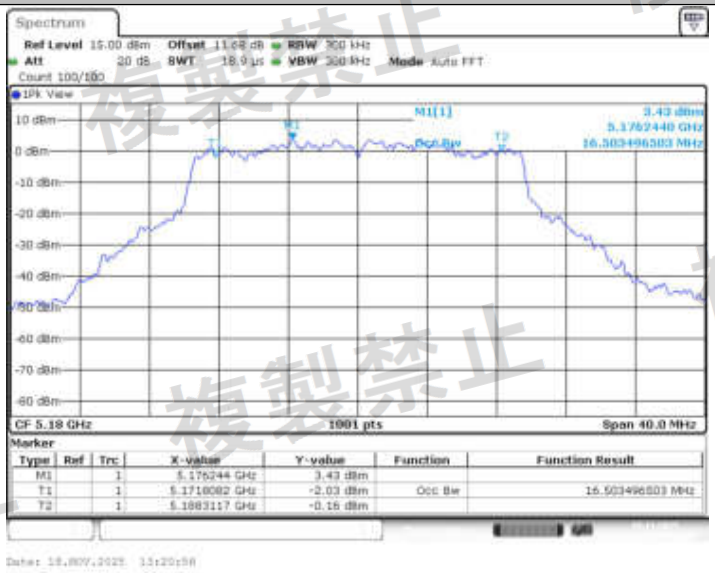
NTNV_11AC40SISO_Ant2_5190

NTNV_11AC40SISO_Ant2_5230

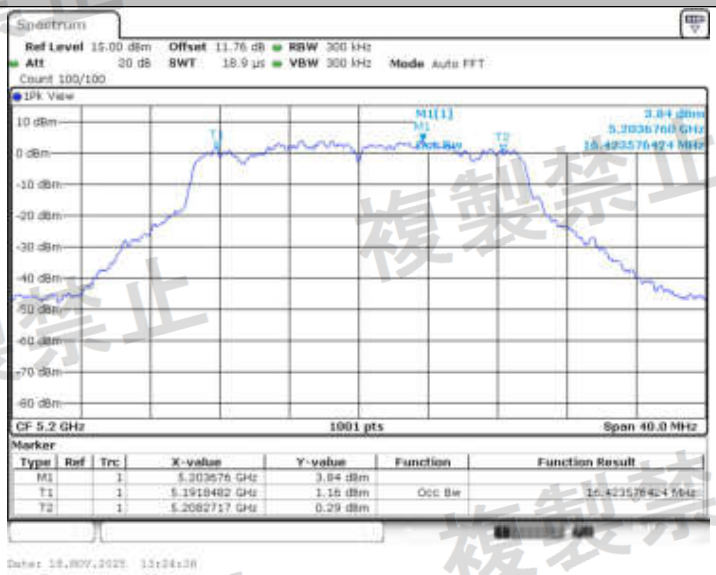
NTNV_11AC80SISO_Ant2_5210



NTNV_11AX20SISO_Ant2_5180



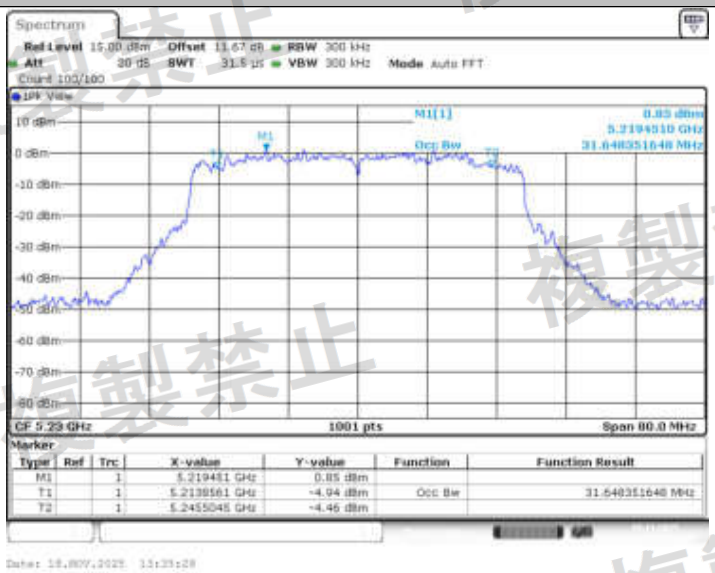
NTNV_11AX20SISO_Ant2_5200



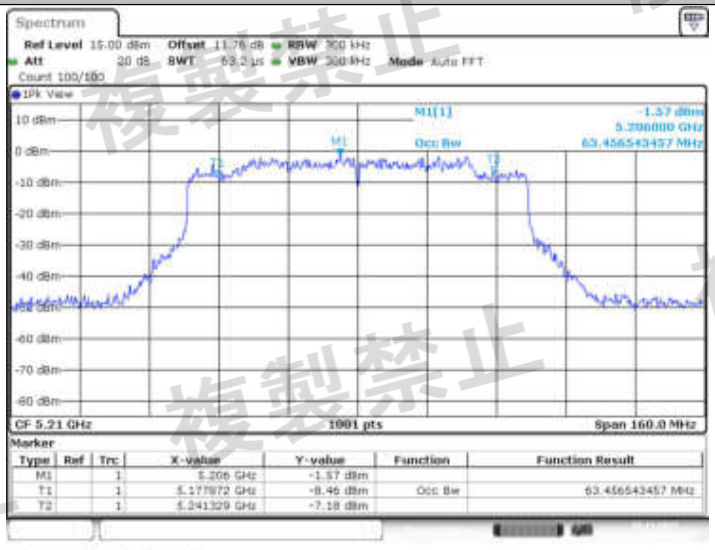
NTNV_11AX20SISO_Ant2_5240

NTNV_11AX40SISO_Ant2_5190

NTNV_11AX40SISO_Ant2_5230



NTNV_11AX80SISO_Ant2_5210



Appendix D: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11A	Ant2	5180	30~5142	974.19	-38.30	0.14791	≤2.5	PASS
				5142~5150	5149.07	-53.81	0.00416	≤15	PASS
				5250~5251	5251.00	-54.07	0.00392	≤100.0	PASS
				5251~5260	5259.96	-54.22	0.00378	≤16.0	PASS
				5260~5266.7	5266.67	-54.20	0.00380	≤2.5	PASS
				5266.7~26000	18220.87	-49.55	0.01109	≤2.5	PASS
			5200	30~5142	995.66	-38.90	0.12882	≤2.5	PASS
				5142~5150	5146.09	-54.53	0.00352	≤15	PASS
				5250~5251	5250.98	-53.34	0.00463	≤104.7	PASS
				5251~5260	5259.83	-53.69	0.00428	≤16.4	PASS
				5260~5266.7	5266.59	-53.63	0.00434	≤2.6	PASS
				5266.7~26000	6845.89	-49.45	0.01135	≤2.5	PASS
			5240	30~5142	1034.51	-39.96	0.10093	≤2.5	PASS
				5142~5150	5143.69	-54.97	0.00318	≤15	PASS
				5250~5251	5250.99	-20.93	8.07235	≤102.3	PASS
				5251~5260	5251.00	-20.77	8.37529	≤100.0	PASS
				5260~5266.7	5266.53	-52.04	0.00625	≤2.6	PASS
				5266.7~26000	18232.61	-47.99	0.01589	≤2.5	PASS
	11N20SISO	Ant2	5180	30~5142	974.19	-38.17	0.15241	≤2.5	PASS
				5142~5150	5149.50	-53.63	0.00434	≤15	PASS
				5250~5251	5250.99	-53.98	0.00400	≤102.3	PASS
				5251~5260	5259.80	-53.94	0.00404	≤16.5	PASS
				5260~5266.7	5266.67	-54.16	0.00384	≤2.5	PASS
				5266.7~26000	6900.48	-49.41	0.01146	≤2.5	PASS
			5200	30~5142	995.66	-38.47	0.14223	≤2.5	PASS
				5142~5150	5148.51	-54.45	0.00359	≤15	PASS
				5250~5251	5250.99	-53.46	0.00451	≤102.3	PASS
				5251~5260	5259.94	-53.58	0.00439	≤16.0	PASS
				5260~5266.7	5266.63	-53.65	0.00432	≤2.5	PASS
				5266.7~26000	16815.84	-49.77	0.01054	≤2.5	PASS
			5240	30~5142	1035.53	-38.23	0.15031	≤2.5	PASS
				5142~5150	5144.01	-54.76	0.00334	≤15	PASS
				5250~5251	5251.00	-19.90	10.23293	≤100.0	PASS
				5251~5260	5251.04	-20.67	8.57038	≤99.2	PASS
				5260~5266.7	5266.63	-51.57	0.00697	≤2.5	PASS
				5266.7~26000	20097.92	-48.55	0.01396	≤2.5	PASS
	11N40SISO	Ant2	5190	30~5141.6	984.34	-39.48	0.11272	≤2.5	PASS

				5141.6~5150	5149.41	-50.72	0.00847	≤15	PASS
				5250~5251	5251.00	-52.65	0.00543	≤50	PASS
				5251~5270	5269.96	-53.37	0.00460	≤8.0	PASS
				5270~5278.4	5278.31	-53.47	0.00450	≤2.5	PASS
				5278.4~26000	18212.82	-49.67	0.01079	≤2.5	PASS
			5230	30~5141.6	1024.21	-40.45	0.09016	≤2.5	PASS
				5141.6~5150	5148.59	-54.80	0.00331	≤15	PASS
				5250~5251	5251.00	-24.87	3.25837	≤50	PASS
				5251~5270	5251.00	-25.04	3.13329	≤50	PASS
				5270~5278.4	5276.96	-49.74	0.01062	≤3.0	PASS
				5278.4~26000	5279.78	-45.00	0.03162	≤2.5	PASS
	11AC20SISO	Ant2	5180	30~5142	975.72	-39.21	0.11995	≤2.5	PASS
				5142~5150	5148.80	-53.58	0.00439	≤15	PASS
				5250~5251	5251.00	-53.92	0.00406	≤100.0	PASS
				5251~5260	5259.96	-53.97	0.00401	≤16.0	PASS
				5260~5266.7	5266.38	-53.89	0.00408	≤2.7	PASS
				5266.7~26000	15552.49	-49.90	0.01023	≤2.5	PASS
			5200	30~5142	995.66	-37.83	0.16482	≤2.5	PASS
				5142~5150	5147.73	-54.61	0.00346	≤15	PASS
				5250~5251	5251.00	-53.65	0.00432	≤100.0	PASS
				5251~5260	5259.90	-53.68	0.00429	≤16.2	PASS
				5260~5266.7	5266.39	-53.37	0.00460	≤2.7	PASS
				5266.7~26000	18237.45	-50.16	0.00964	≤2.5	PASS
			5240	30~5142	1035.53	-39.64	0.10864	≤2.5	PASS
				5142~5150	5146.98	-54.98	0.00318	≤15	PASS
				5250~5251	5250.99	-20.17	9.61612	≤102.3	PASS
				5251~5260	5251.04	-20.48	8.95365	≤99.2	PASS
				5260~5266.7	5266.69	-51.31	0.00740	≤2.5	PASS
				5266.7~26000	5268.77	-49.32	0.01169	≤2.5	PASS
	11AC40SISO	Ant2	5190	30~5141.6	984.34	-40.17	0.09616	≤2.5	PASS
				5141.6~5150	5149.82	-50.30	0.00933	≤15	PASS
				5250~5251	5251.00	-52.31	0.00587	≤50	PASS
				5251~5270	5269.92	-53.08	0.00492	≤8.0	PASS
				5270~5278.4	5278.02	-53.31	0.00467	≤2.6	PASS
				5278.4~26000	19905.78	-49.14	0.01219	≤2.5	PASS
			5230	30~5141.6	1024.21	-40.12	0.09727	≤2.5	PASS
				5141.6~5150	5147.25	-54.72	0.00337	≤15	PASS
				5250~5251	5251.00	-24.68	3.40408	≤50	PASS
				5251~5270	5251.06	-24.81	3.30370	≤49.7	PASS
				5270~5278.4	5277.79	-50.72	0.00847	≤2.7	PASS
				5278.4~26000	5296.36	-47.71	0.01694	≤2.5	PASS
	11AC80SISO	Ant2	5210	30~5123.2	1014.01	-42.84	0.05200	≤2.5	PASS
				5123.2~5150	5144.93	-48.34	0.01466	≤15	PASS

				5250~5251	5250.98	-26.69	2.14289	≤26.2	PASS
				5251~5290	5251.00	-26.89	2.04644	≤25.0	PASS
				5290~5296.7	5295.26	-50.50	0.00891	≤2.8	PASS
				5296.7~26000	5308.43	-48.44	0.01432	≤2.5	PASS
	11AX20SISO	Ant2	5180	30~5142	975.72	-38.85	0.13032	≤2.5	PASS
				5142~5150	5149.86	-53.42	0.00455	≤15	PASS
				5250~5250.2	5250.20	-53.87	0.00410	≤631.0	PASS
				5250.2~5251	5250.99	-53.77	0.00420	≤102.3	PASS
				5251~5260	5259.97	-53.90	0.00407	≤15.9	PASS
				5260~5266.7	5266.69	-54.14	0.00385	≤2.5	PASS
				5266.7~26000	5297.80	-49.03	0.01250	≤2.5	PASS
			5200	30~5142	995.66	-40.25	0.09441	≤2.5	PASS
				5142~5150	5148.04	-54.25	0.00376	≤15	PASS
				5250~5250.2	5250.19	-53.05	0.00495	≤670.9	PASS
				5250.2~5251	5251.00	-53.35	0.00462	≤100.0	PASS
				5251~5260	5259.96	-53.54	0.00443	≤16.0	PASS
				5260~5266.7	5266.69	-53.47	0.00450	≤2.5	PASS
				5266.7~26000	18210.50	-49.23	0.01194	≤2.5	PASS
			5240	30~5142	1035.53	-39.74	0.10617	≤2.5	PASS
				5142~5150	5148.57	-54.98	0.00318	≤15	PASS
				5250~5250.2	5250.20	-10.80	83.17638	≤631.0	PASS
				5250.2~5251	5250.20	-10.81	82.98508	≤631.0	PASS
				5251~5260	5251.07	-20.38	9.16220	≤98.6	PASS
				5260~5266.7	5266.32	-50.78	0.00836	≤2.8	PASS
				5266.7~26000	5292.96	-49.38	0.01153	≤2.5	PASS
	11AX40SISO	Ant2	5190	30~5141.6	984.34	-41.92	0.06427	≤2.5	PASS
				5141.6~5150	5149.66	-49.63	0.01089	≤15	PASS
				5250~5251	5251.00	-52.46	0.00568	≤50	PASS
				5251~5270	5269.56	-53.11	0.00489	≤8.3	PASS
				5270~5278.4	5278.37	-53.32	0.00466	≤2.5	PASS
				5278.4~26000	5278.40	-49.23	0.01194	≤2.5	PASS
			5230	30~5141.6	1024.21	-40.82	0.08279	≤2.5	PASS
				5141.6~5150	5144.95	-54.81	0.00330	≤15	PASS
				5250~5251	5250.99	-24.40	3.63078	≤51.2	PASS
				5251~5270	5251.00	-24.45	3.58922	≤50	PASS
				5270~5278.4	5278.17	-51.53	0.00703	≤2.6	PASS
				5278.4~26000	20083.29	-49.61	0.01094	≤2.5	PASS
	11AX80SISO	Ant2	5210	30~5123.2	1015.53	-43.16	0.04831	≤2.5	PASS
				5123.2~5150	5148.66	-47.63	0.01726	≤15	PASS
				5250~5251	5250.99	-27.50	1.77828	≤25.6	PASS
				5251~5290	5251.12	-27.82	1.65196	≤24.9	PASS
				5290~5296.7	5296.50	-50.49	0.00893	≤2.5	PASS
				5296.7~26000	5298.08	-49.06	0.01242	≤2.5	PASS

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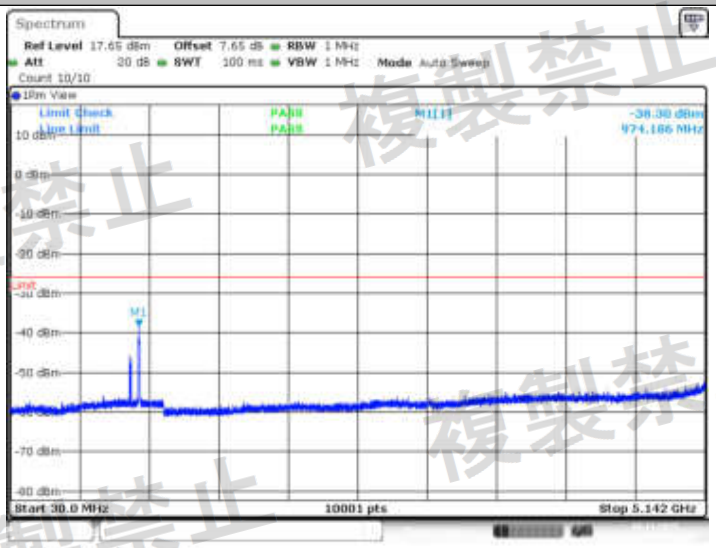
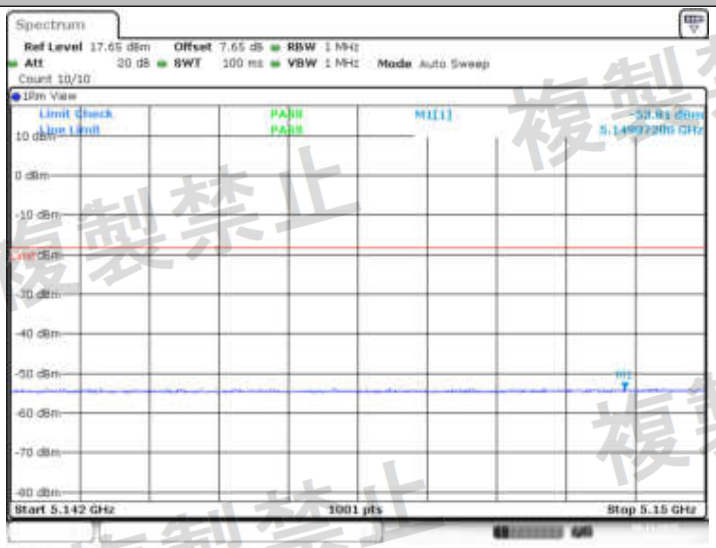
Test Graphs

NTNV_11A_Ant2_5180_30~5142

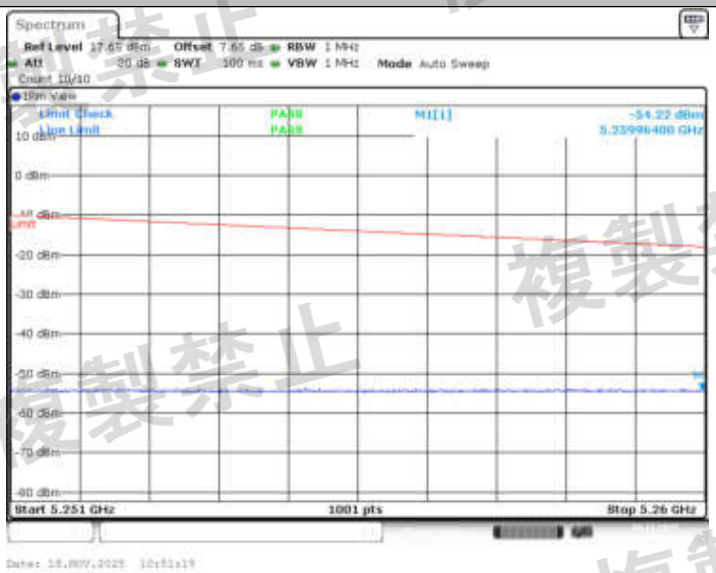


NTNV_11A_Ant2_5180_5142~5150



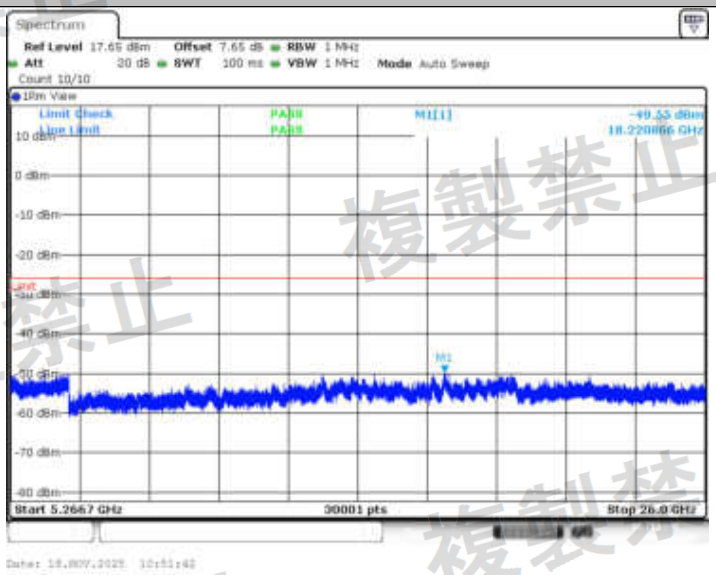
NTNV_11A_Ant2_5180_5250~5251

NTNV_11A_Ant2_5180_5251~5260

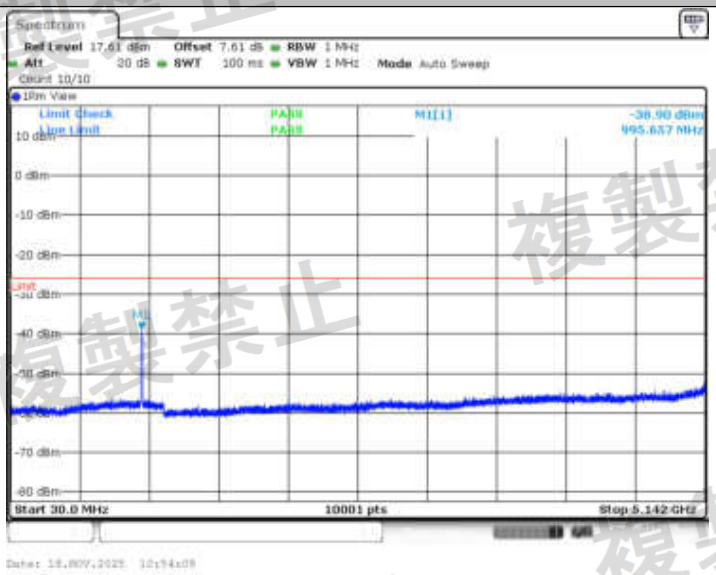


NTNV_11A_Ant2_5180_5260~5266.7

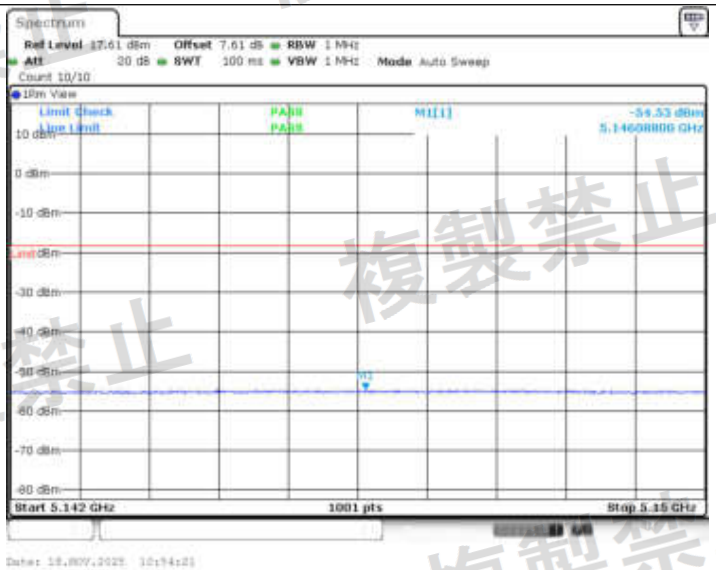
NTNV_11A_Ant2_5180_5266.7~26000



NTNV_11A_Ant2_5200_30~5142



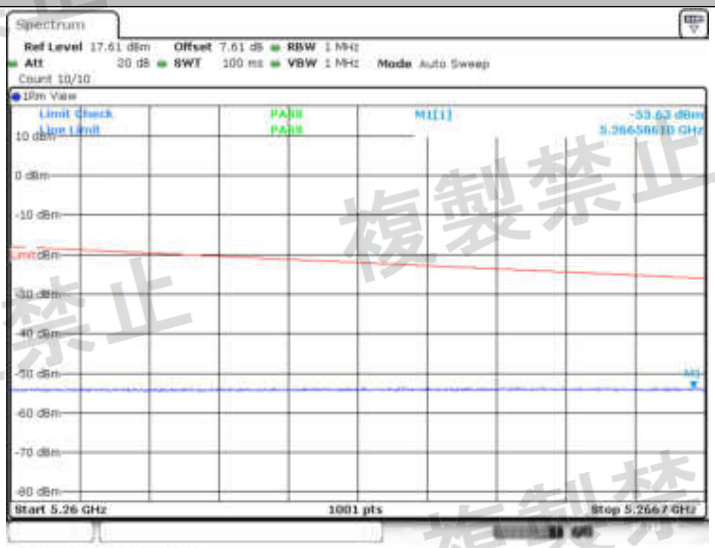
NTNV_11A_Ant2_5200_5142~5150



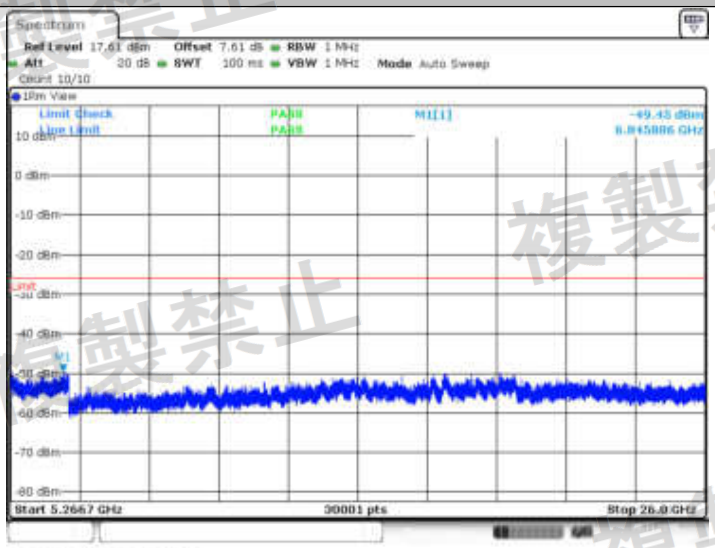
NTNV_11A_Ant2_5200_5250~5251

NTNV_11A_Ant2_5200_5251~5260

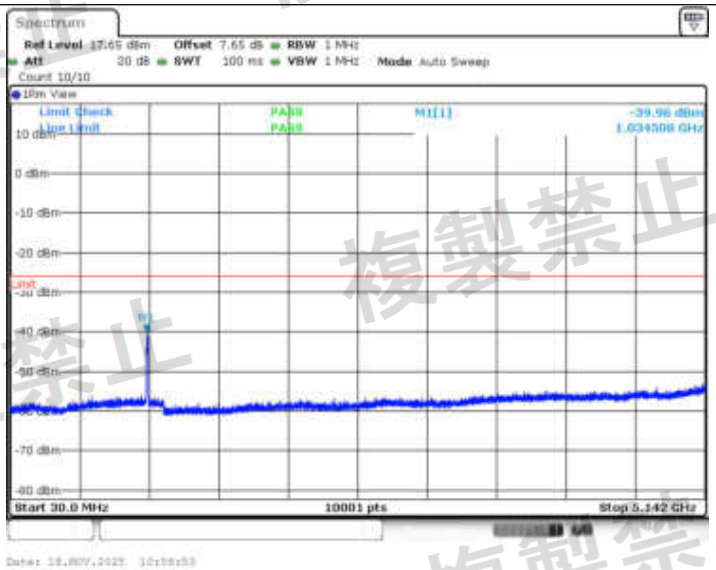
NTNV_11A_Ant2_5200_5260~5266.7



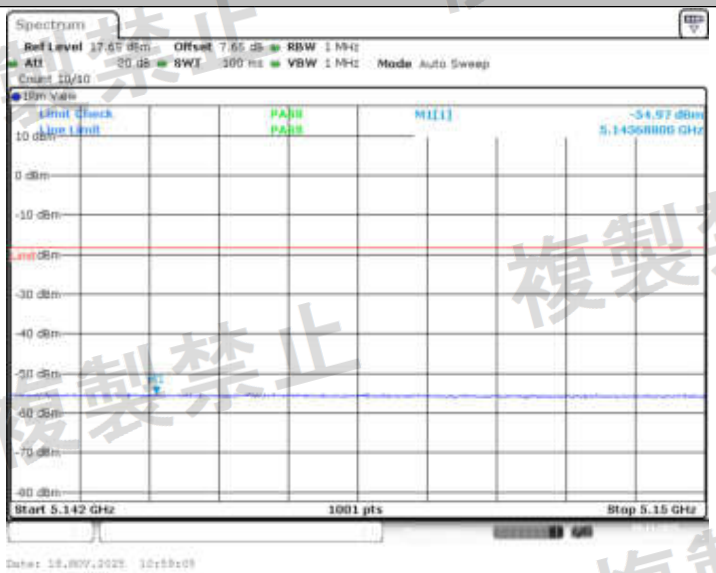
NTNV_11A_Ant2_5200_5266.7~26000



NTNV_11A_Ant2_5240_30~5142

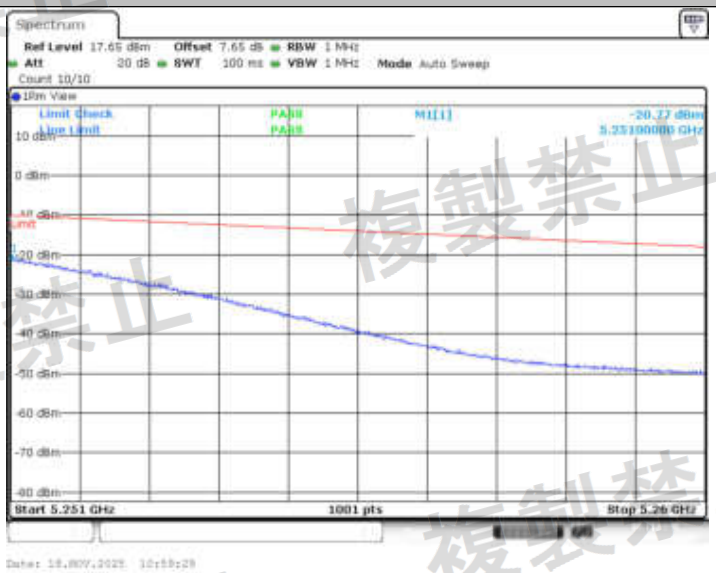


NTNV_11A_Ant2_5240_5142~5150



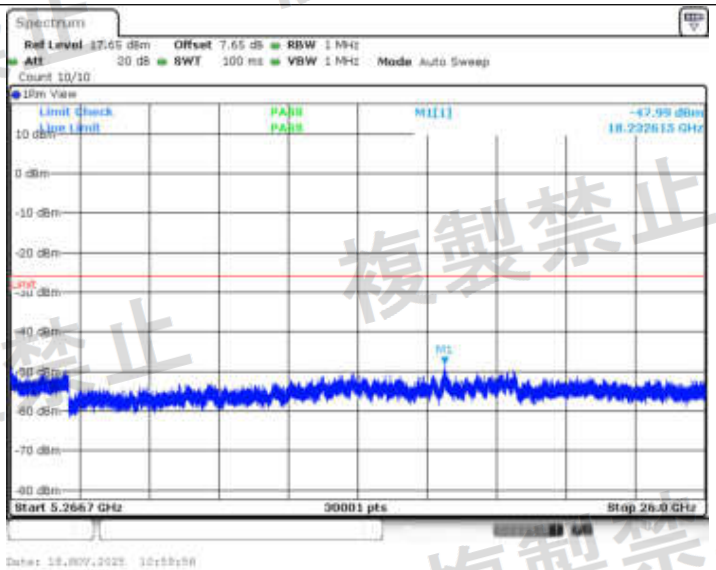
NTNV_11A_Ant2_5240_5250~5251

NTNV_11A_Ant2_5240_5251~5260



NTNV_11A_Ant2_5240_5260~5266.7

NTNV_11A_Ant2_5240_5266.7~26000



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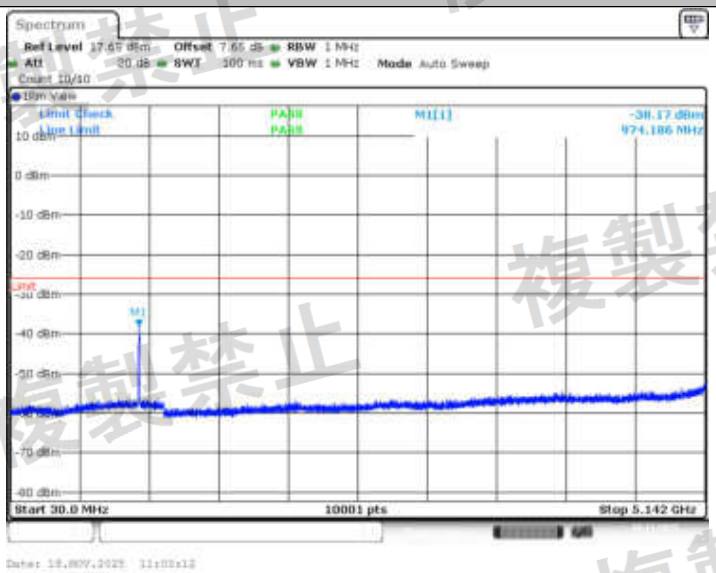
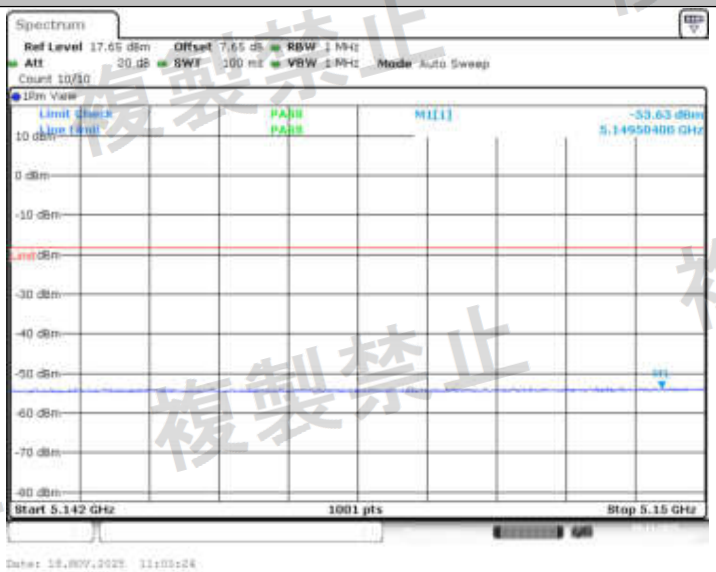
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