

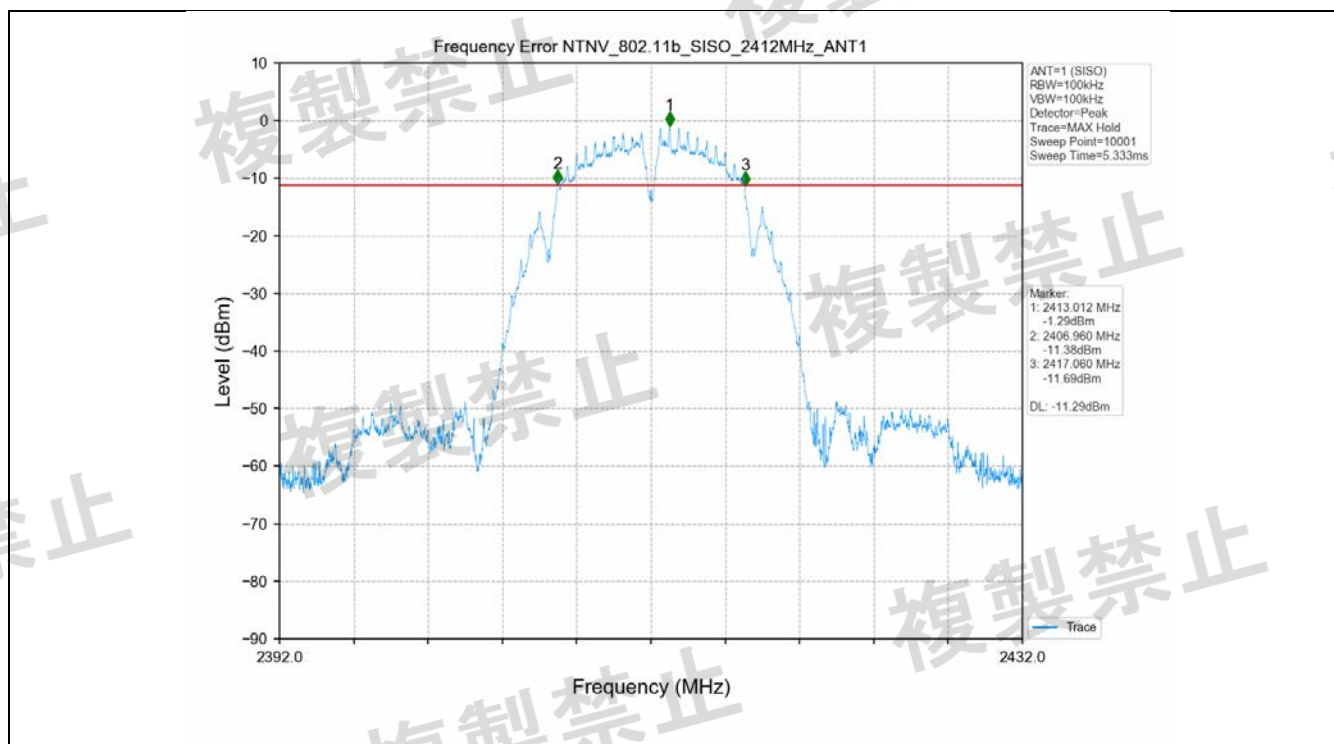
Appendix C for SHEM200700606003

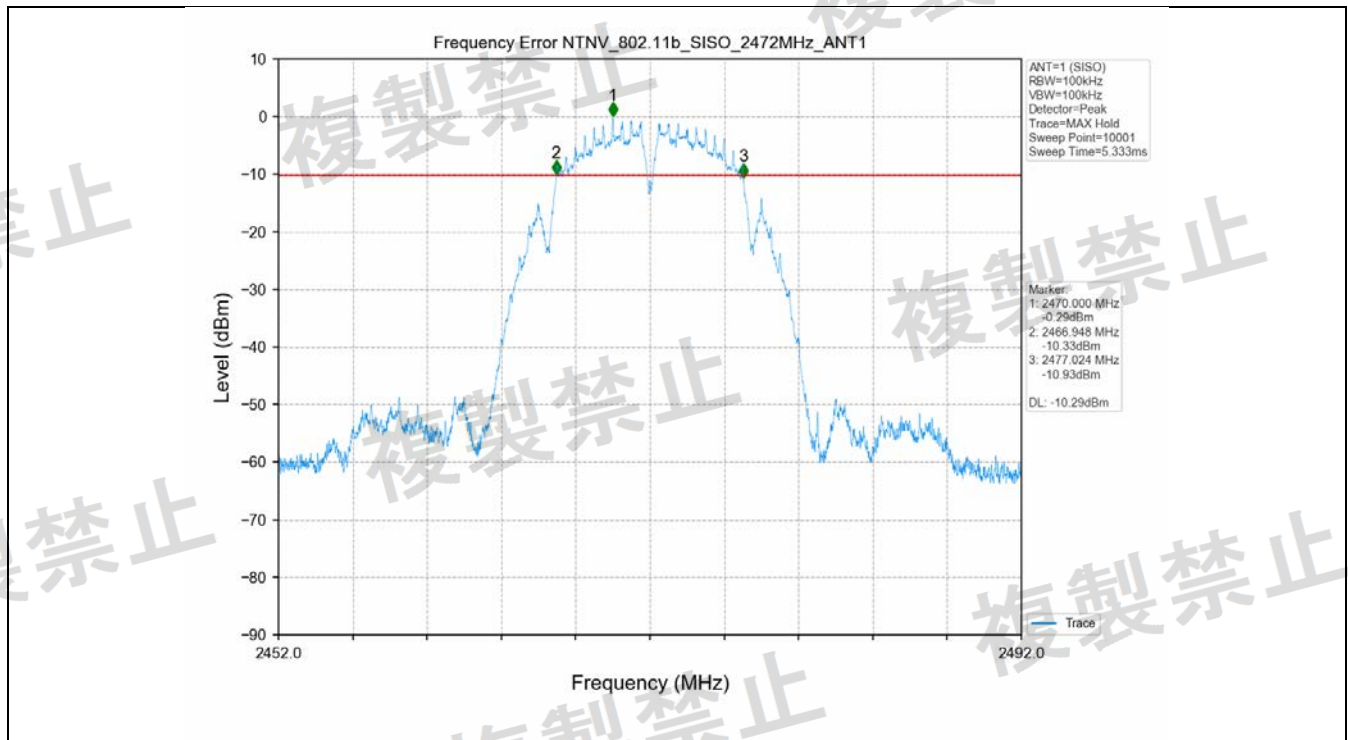
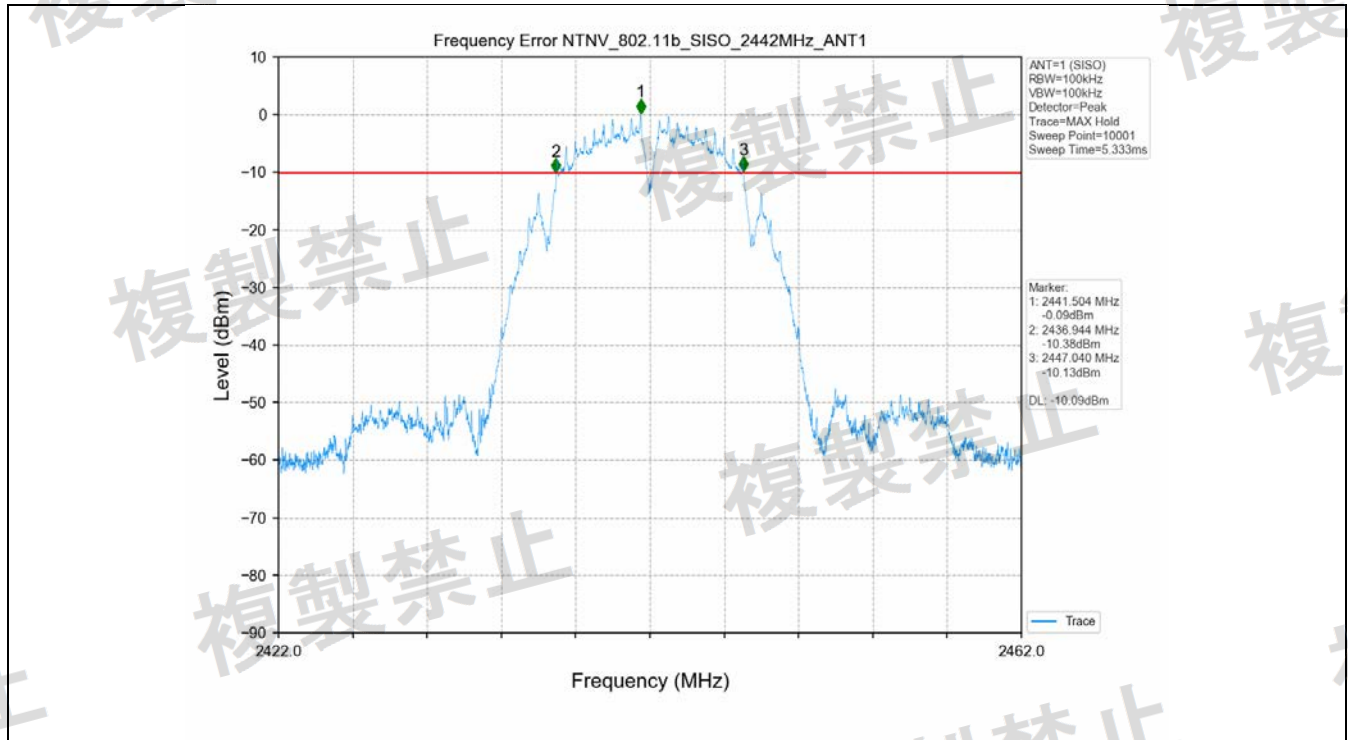
1. Frequency Error

1.1 Test Result

Test Condition	Test Mode	TX Type	Test Channel [MHz]	Ant	Result [MHz]	Tolerance [ppm]	Limit [ppm]	Verdict
NTNV	802.11b	SISO	2412	1	2412.010	4.15	-50 to +50	PASS
			2442	1	2441.992	-3.28	-50 to +50	PASS
			2472	1	2471.986	-5.66	-50 to +50	PASS

1.2 Test Graph



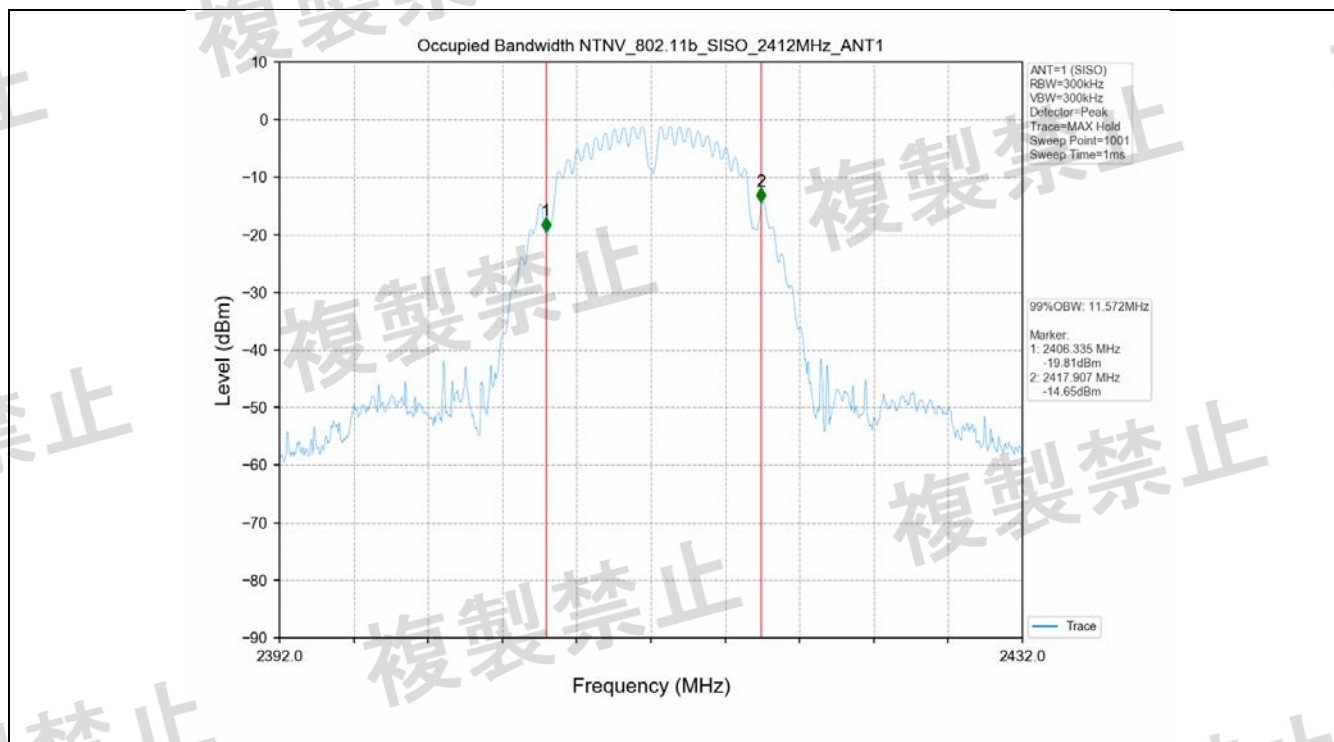


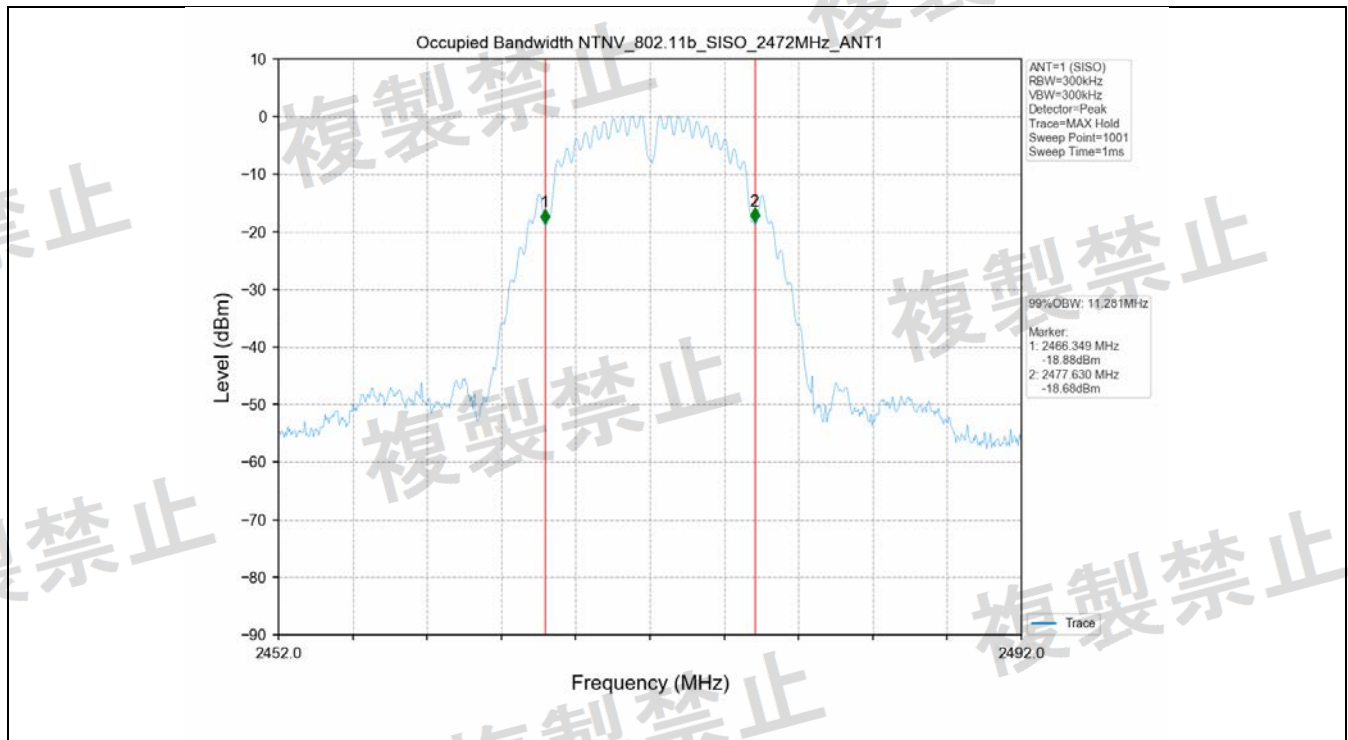
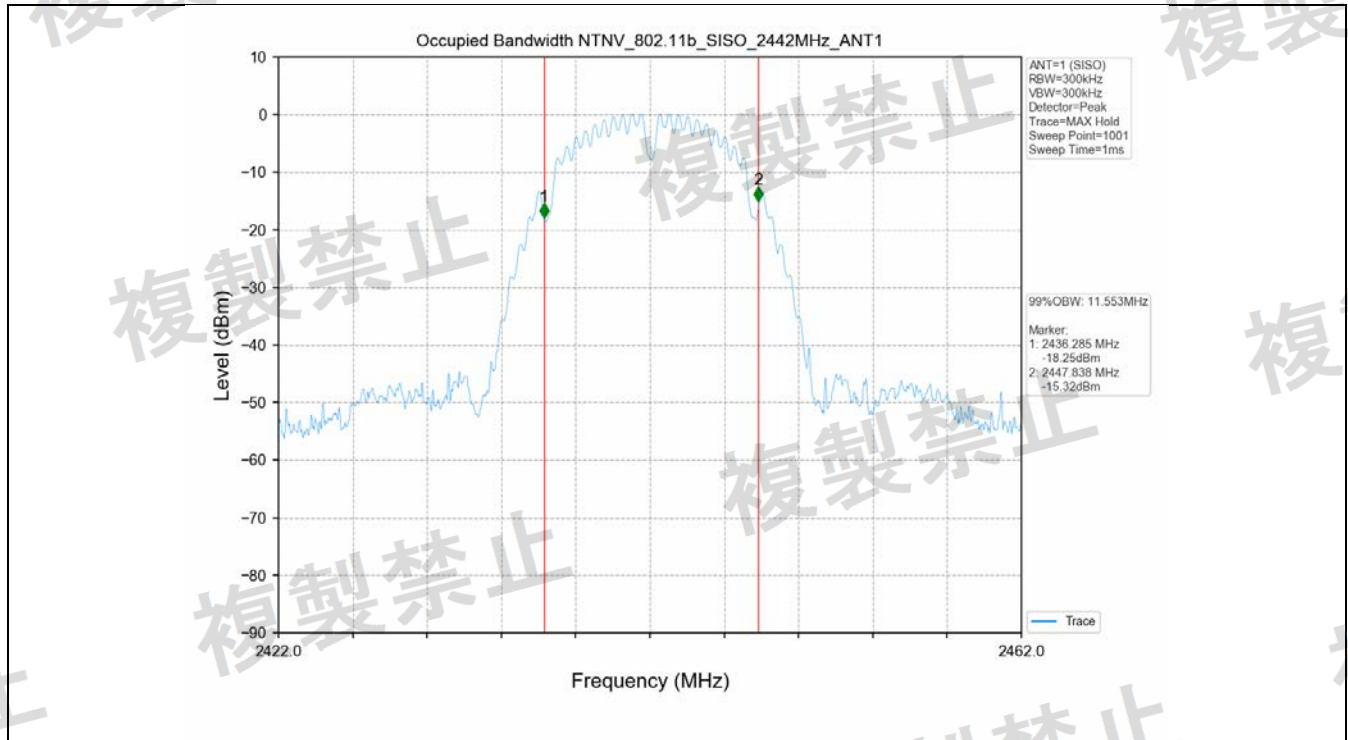
2. Occupied Bandwidth

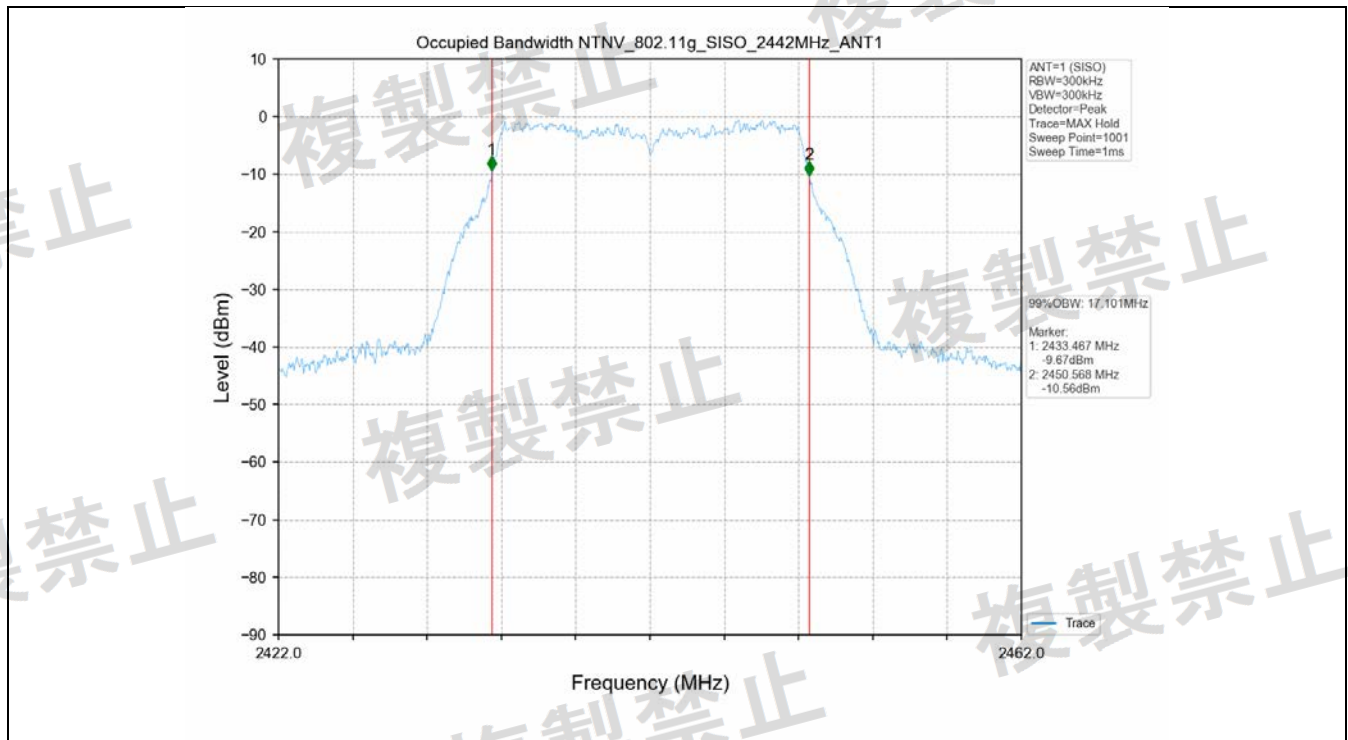
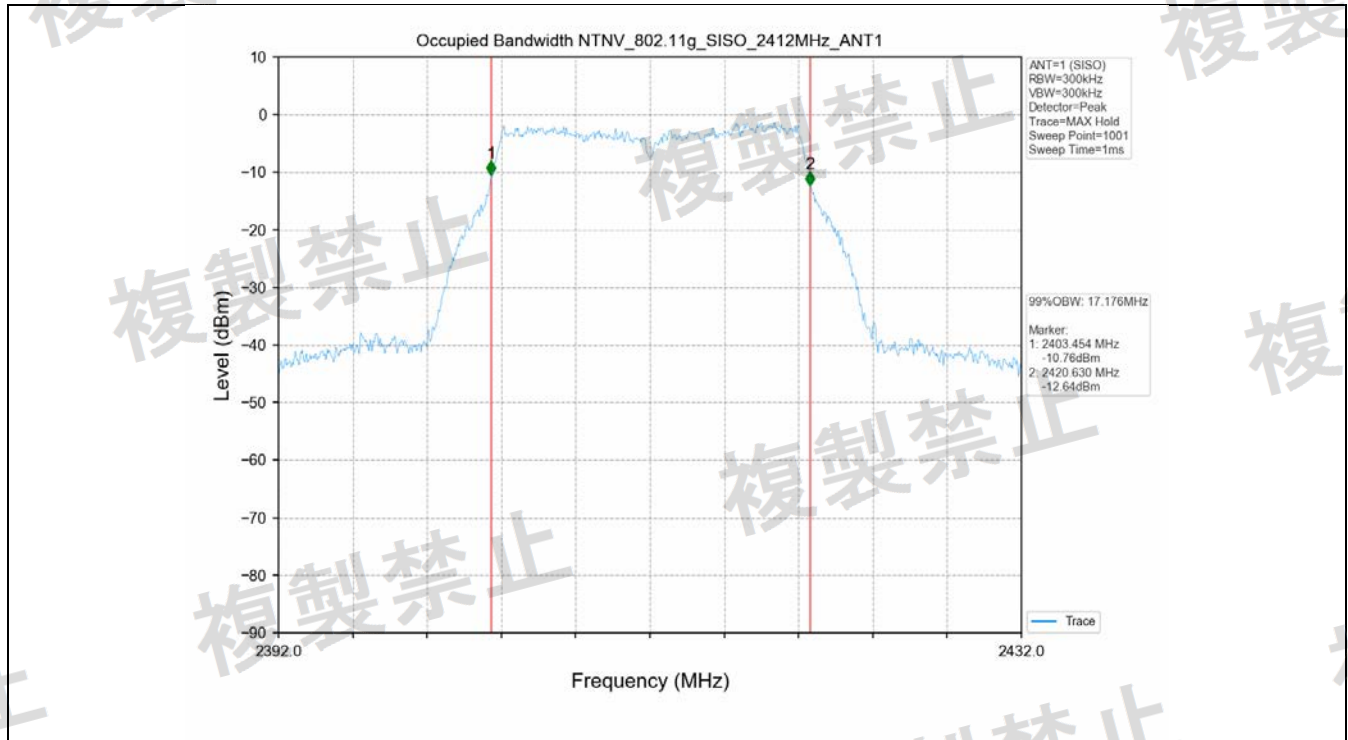
2.1 Test Result

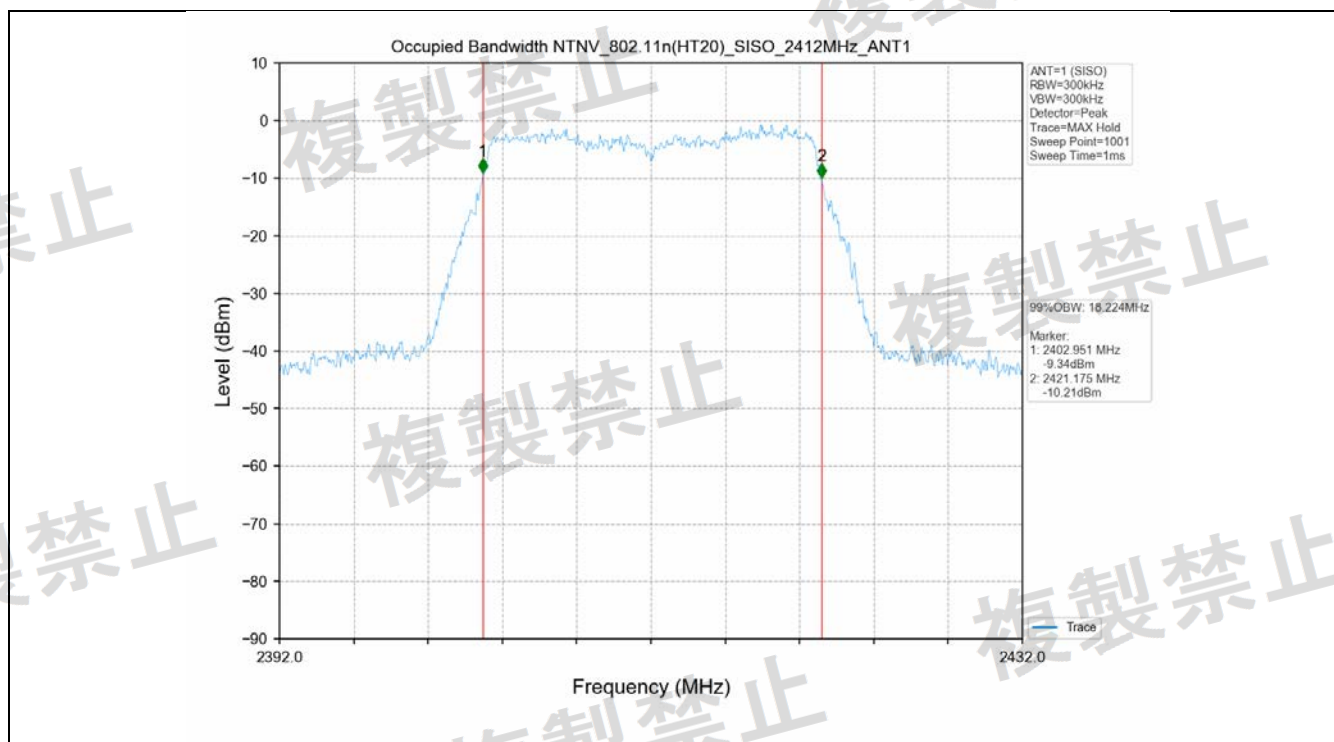
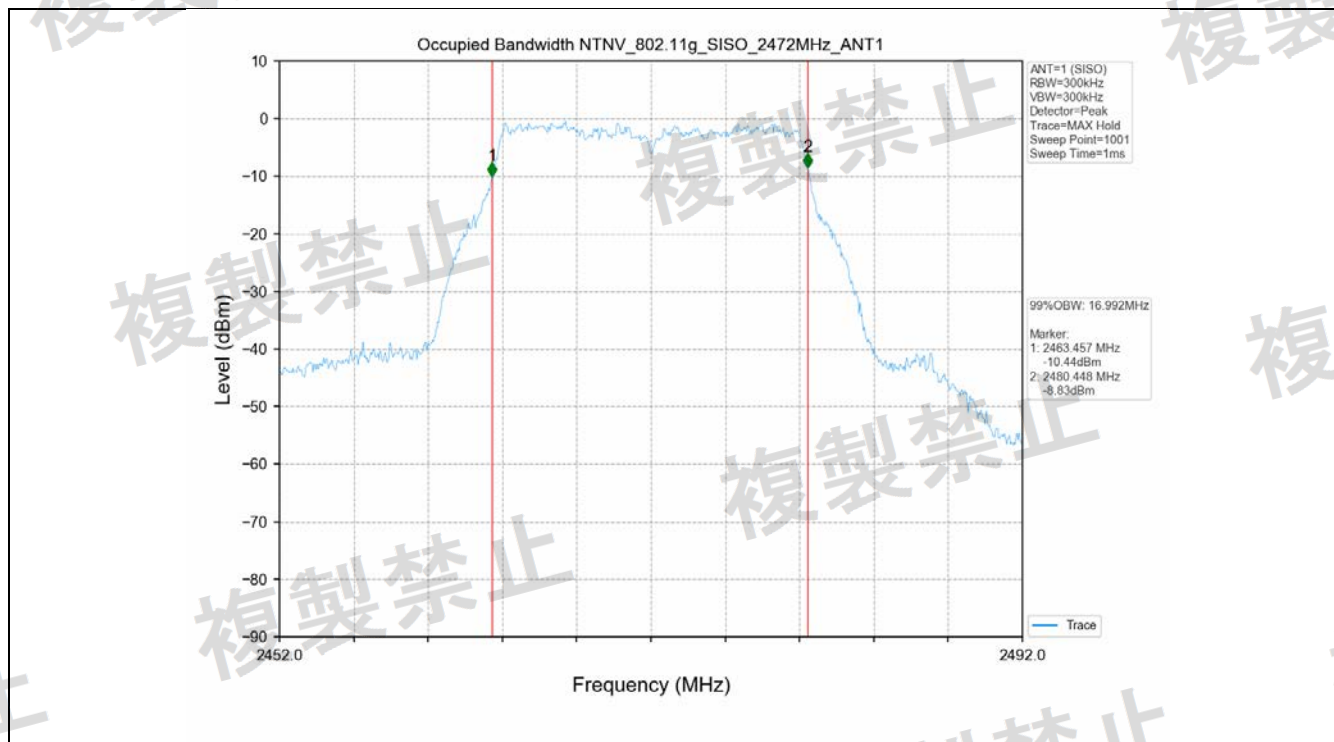
Test Condition	Test Mode	TX Type	Test Channel [MHz]	Ant	Test Result [MHz]	Limit [MHz]	Verdict
NTNV	802.11b	SISO	2412	1	11.572	≤ 26	PASS
			2442	1	11.553	≤ 26	PASS
			2472	1	11.281	≤ 26	PASS
	802.11g	SISO	2412	1	17.176	≤ 38	PASS
			2442	1	17.101	≤ 38	PASS
			2472	1	16.992	≤ 38	PASS
	802.11n(HT20)	SISO	2412	1	18.224	≤ 38	PASS
			2442	1	18.149	≤ 38	PASS
			2472	1	18.031	≤ 38	PASS

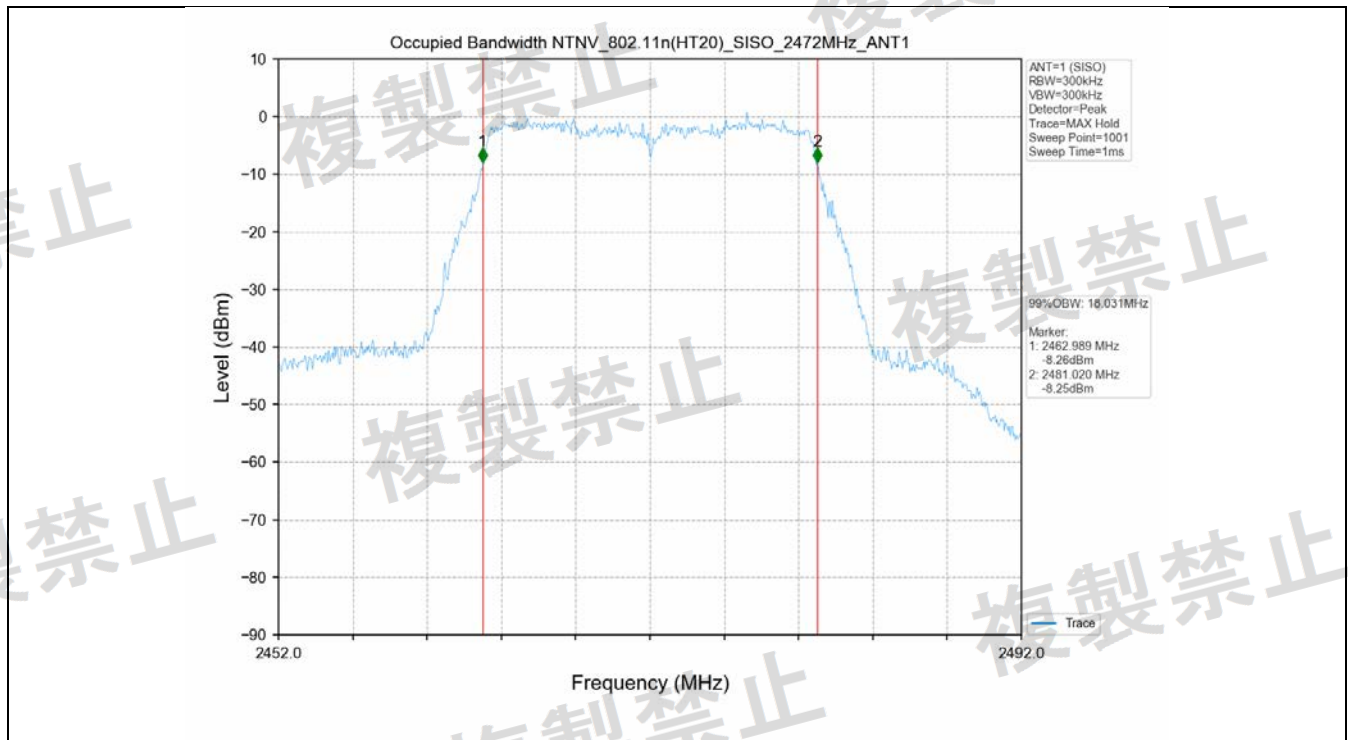
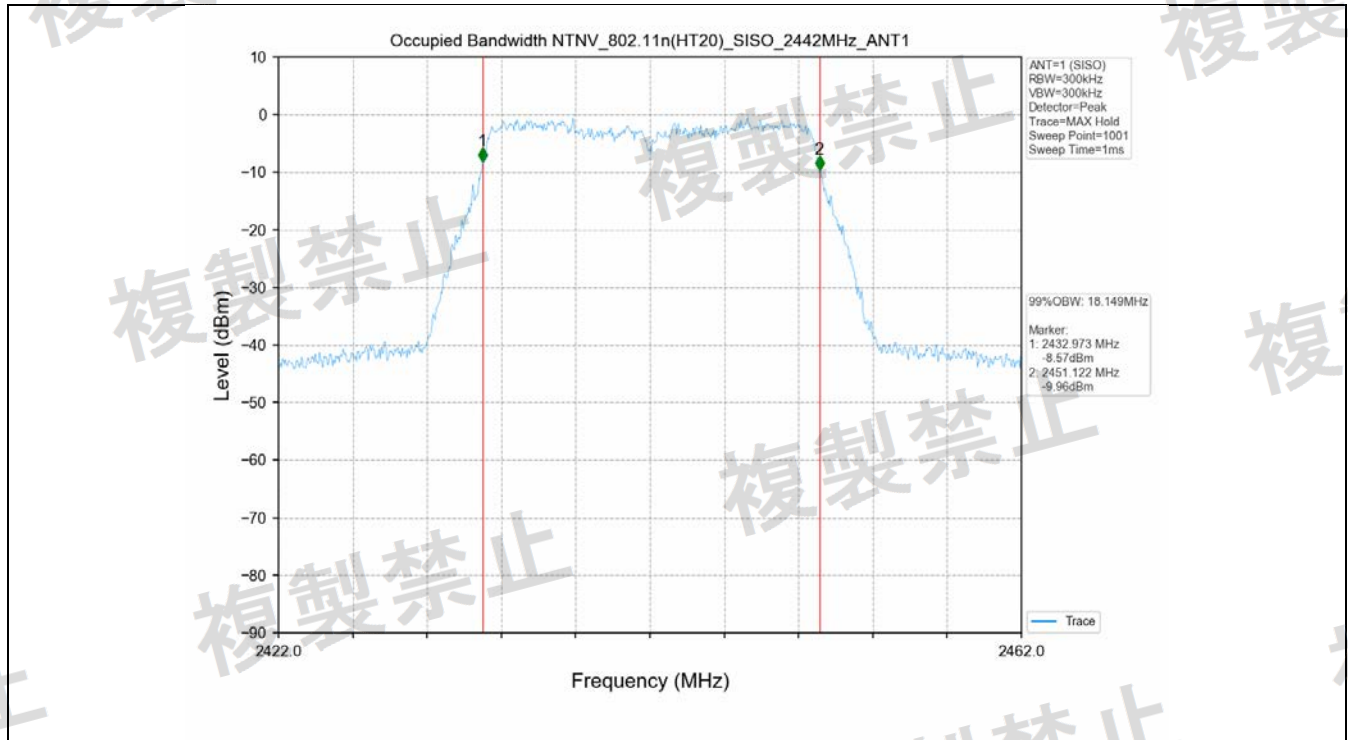
2.2 Test Graph











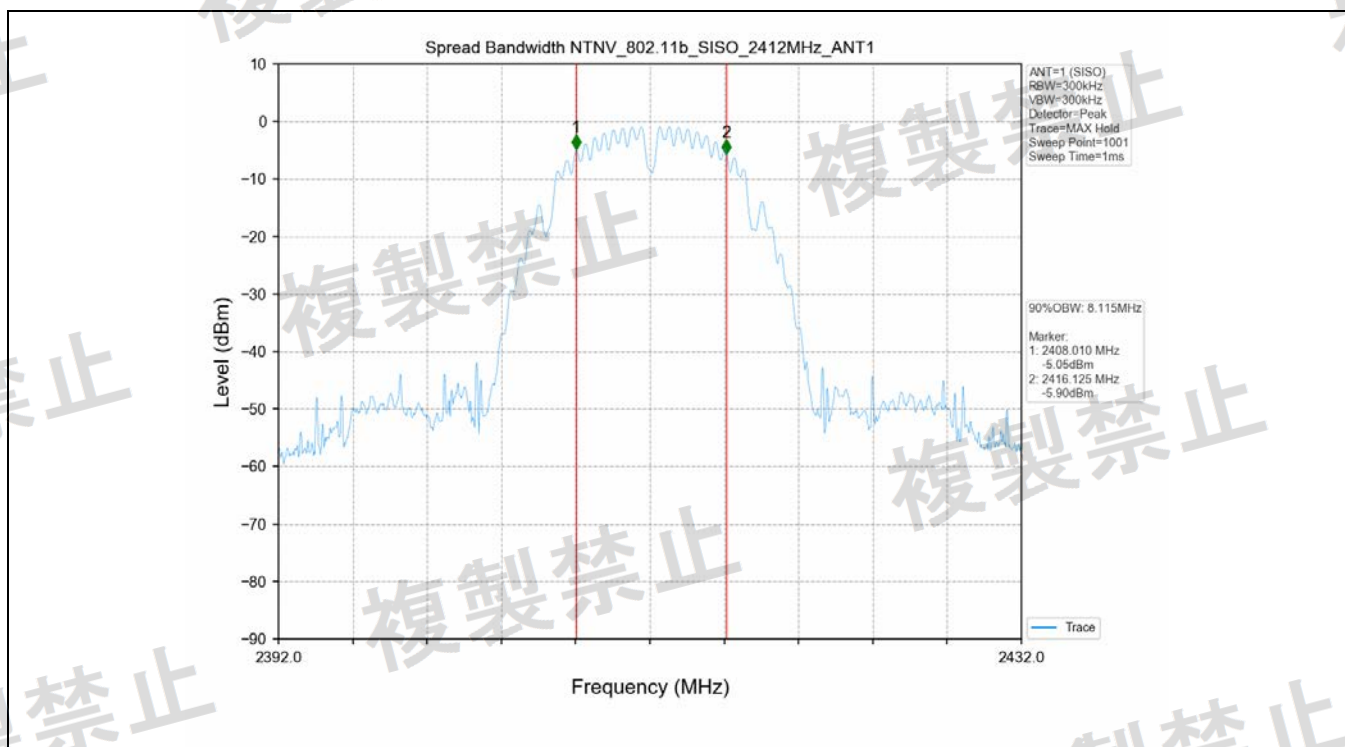
3. Spread Bandwidth

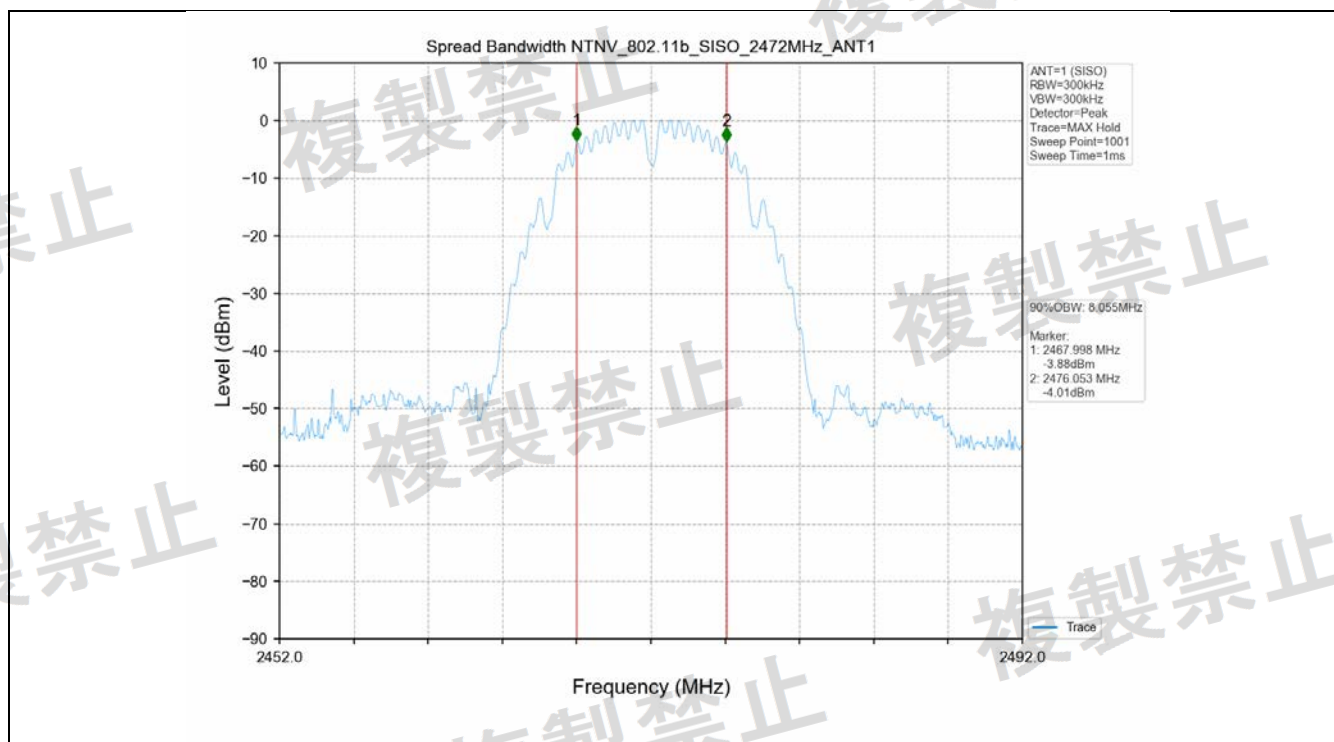
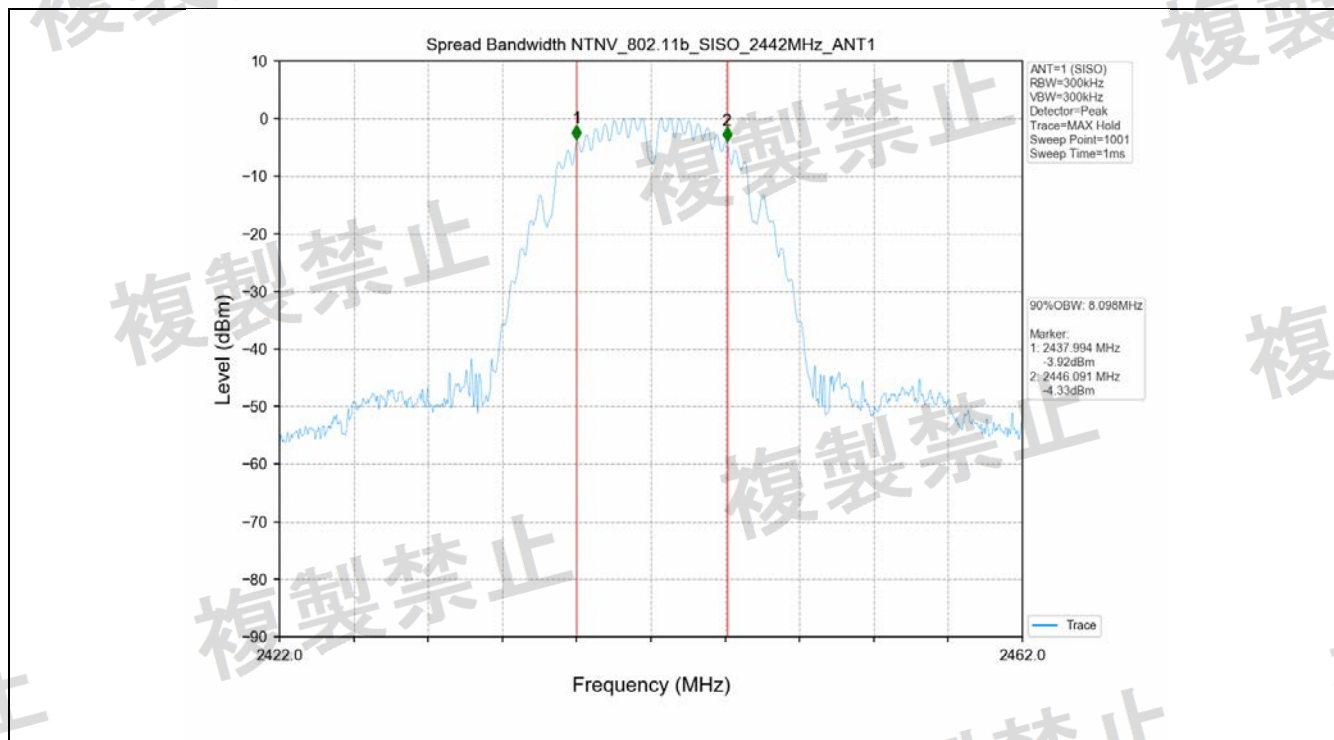
3.1 Test Result

Test Condition	Test Mode	TX Type	Test Channel [MHz]	Ant	Test Result [MHz]	Limit [MHz]	Verdict
NTNV	802.11b	SISO	2412	1	8.115	≥ 0.5	PASS
			2442	1	8.098	≥ 0.5	PASS
			2472	1	8.055	≥ 0.5	PASS

Test Condition	Test Mode	TX Type	Test Channel	Ant	Spread Factor	Limit	Verdict
NTNV	802.11b	SISO	2412	1	5.9	≥ 5	PASS
			2442	1	5.89	≥ 5	PASS
			2472	1	5.86	≥ 5	PASS

3.2 Test Graph



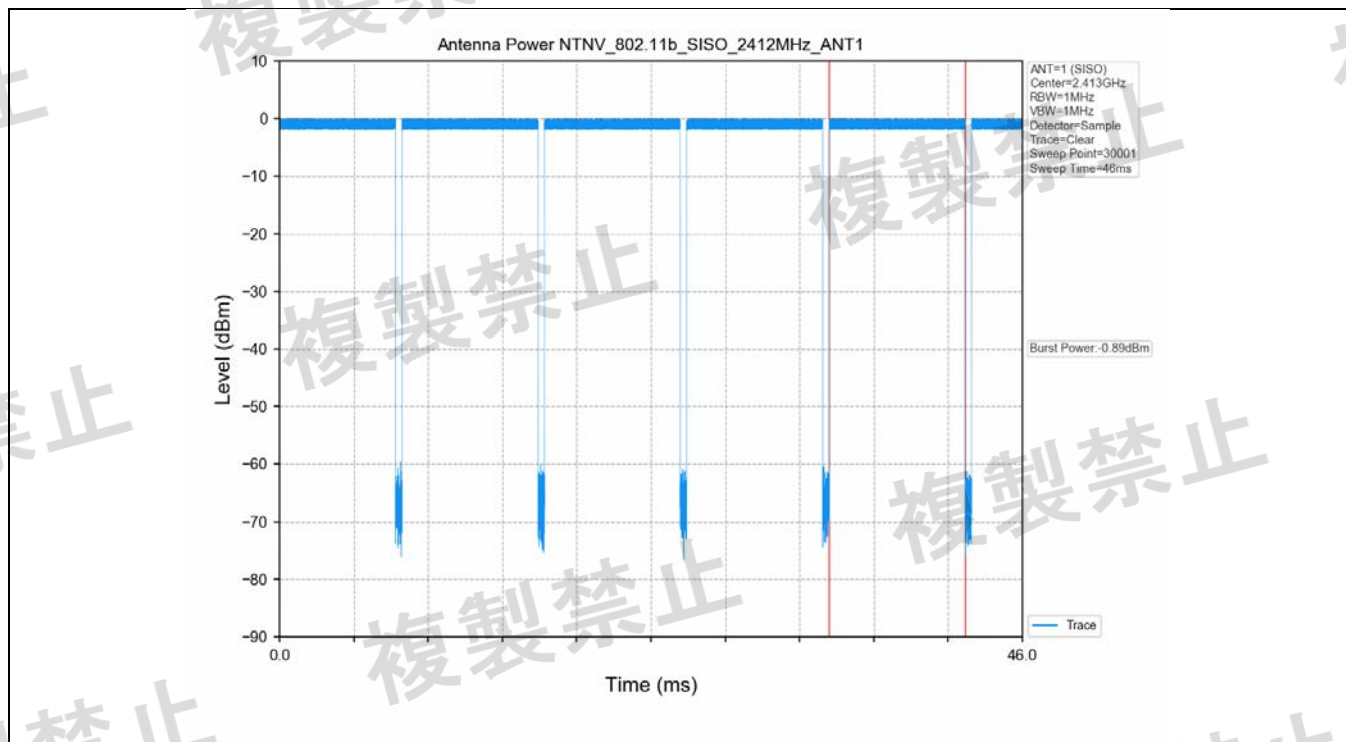


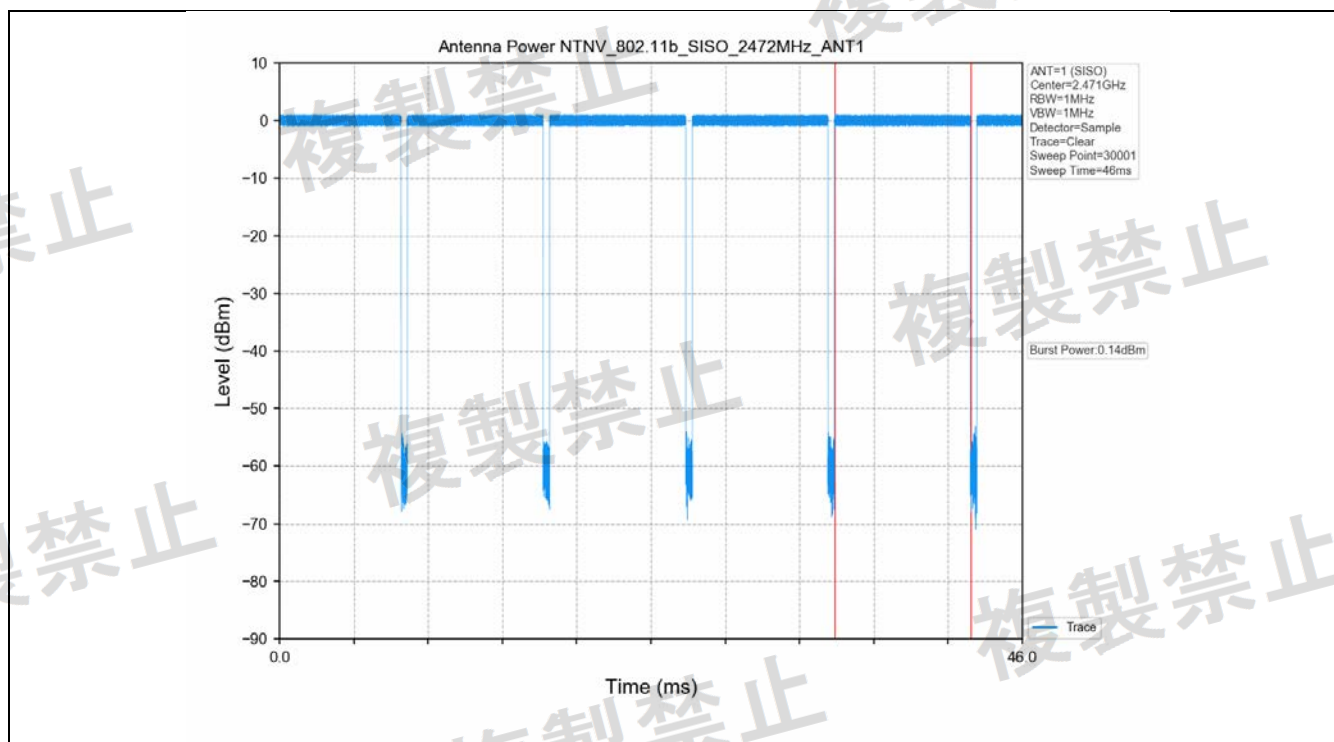
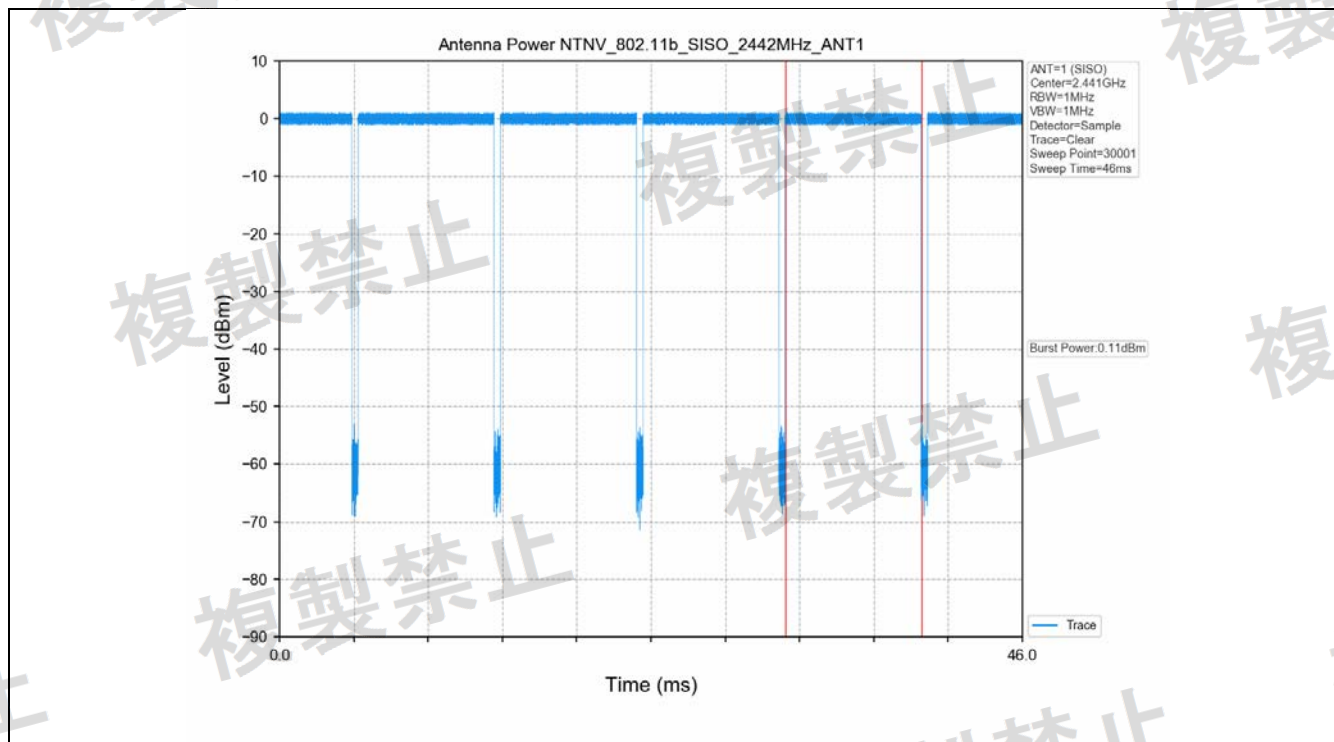
4. Antenna Power

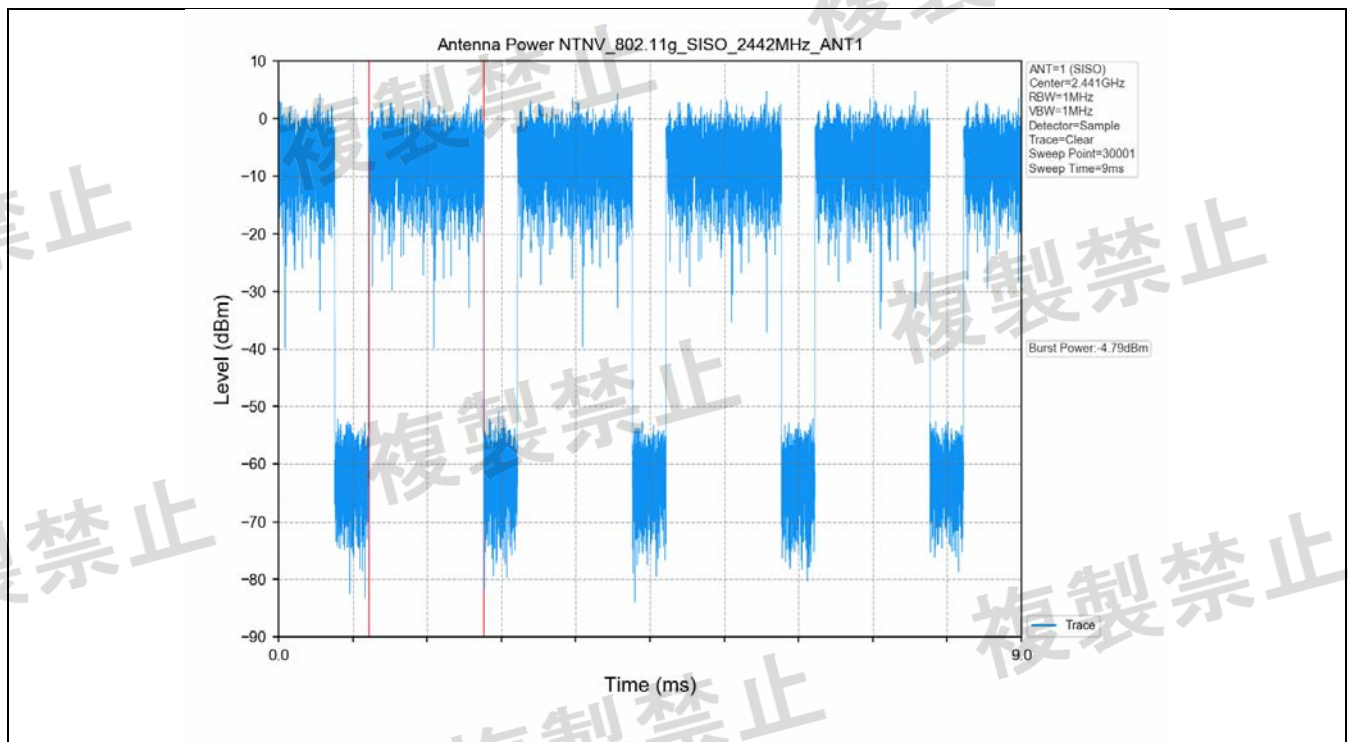
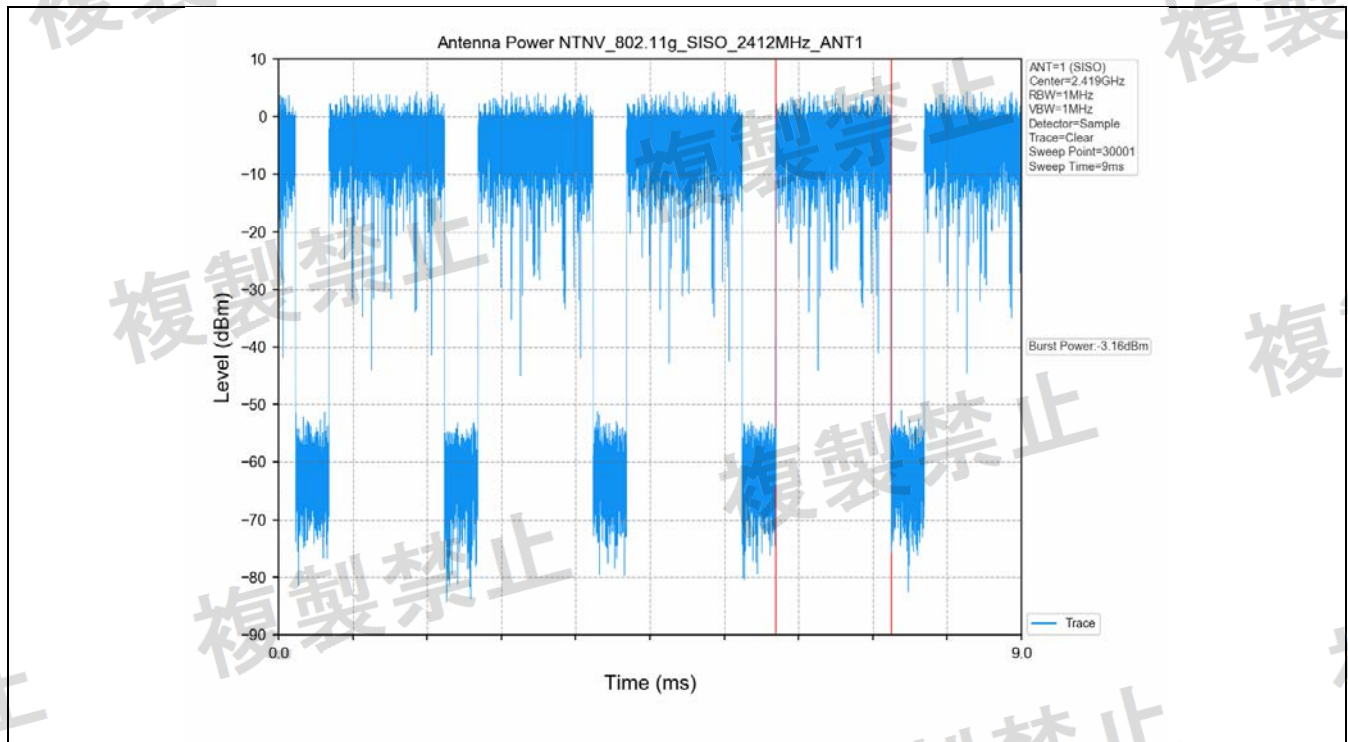
4.1 Test Result

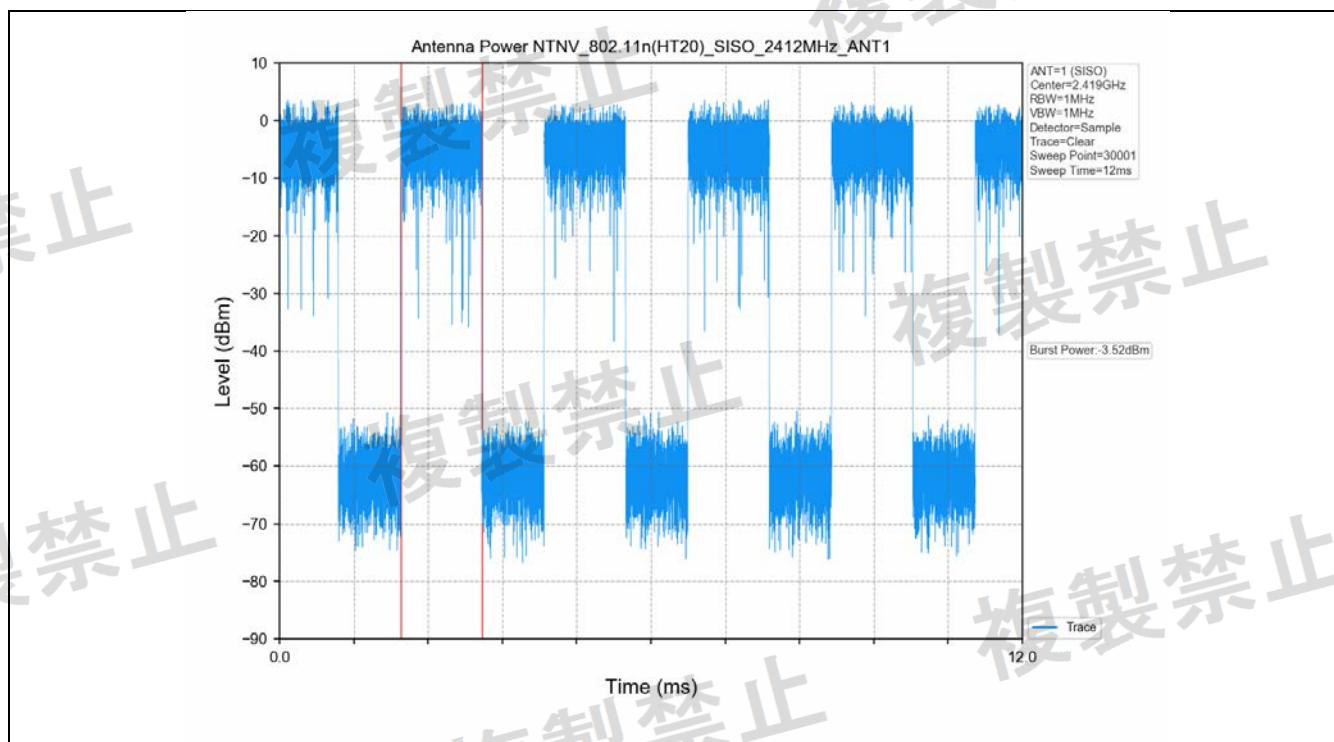
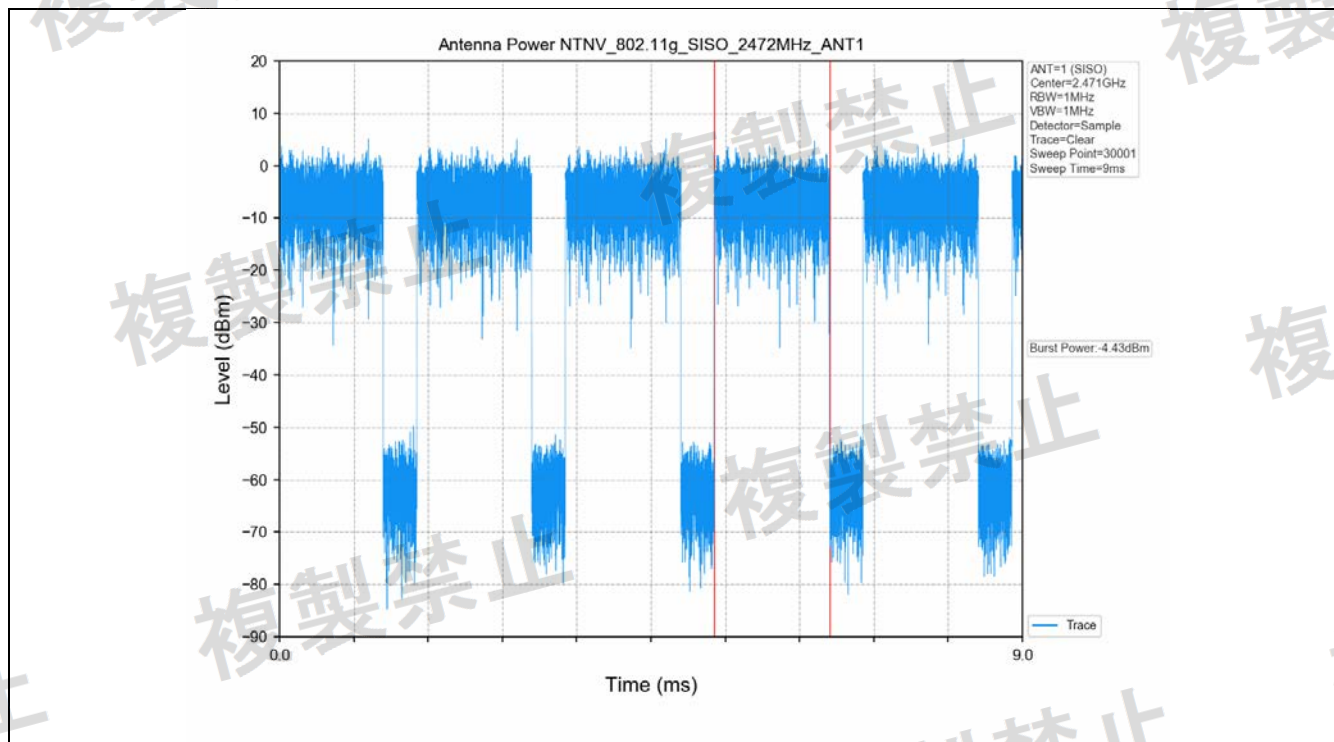
Test Condition	Test Mode	TX Type	Test Channel [MHz]	Ant	Antenna Power [mW/MHz]		Nominal Power [mW/MHz]	Tolerance [%]		Verdict
					Measured	Limit		Measured	Limit	
NTNV	802.11b	SISO	2412	1	0.814	10	1	18.60	-80 to 20	PASS
			2442	1	1.027	10	1	2.70	-80 to 20	PASS
			2472	1	1.034	10	1	3.40	-80 to 20	PASS
	802.11g	SISO	2412	1	0.483	10	1	-51.69	-80 to 20	PASS
			2442	1	0.332	10	1	-66.81	-80 to 20	PASS
			2472	1	0.361	10	1	-63.94	-80 to 20	PASS
	802.11n(HT20)	SISO	2412	1	0.444	10	1	-55.54	-80 to 20	PASS
			2442	1	0.504	10	1	-49.65	-80 to 20	PASS
			2472	1	0.516	10	1	-48.48	-80 to 20	PASS

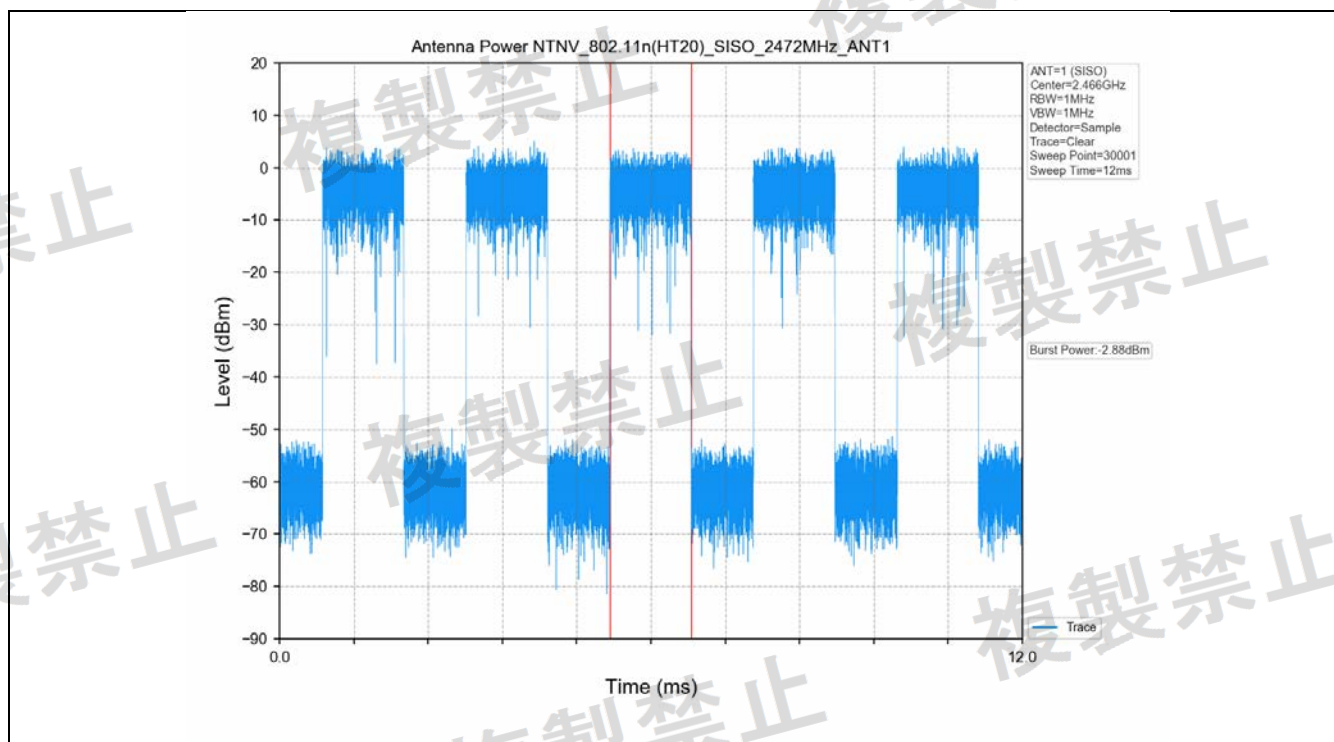
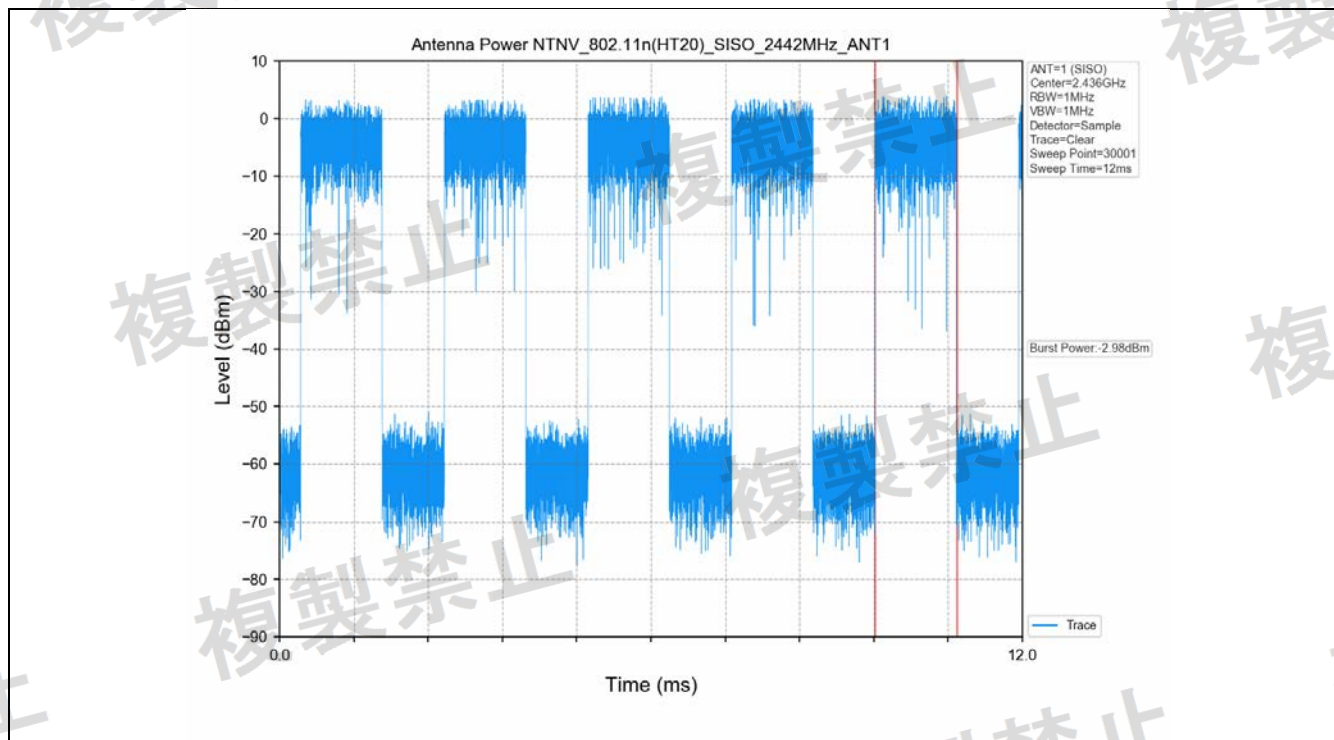
4.2 Test Graph









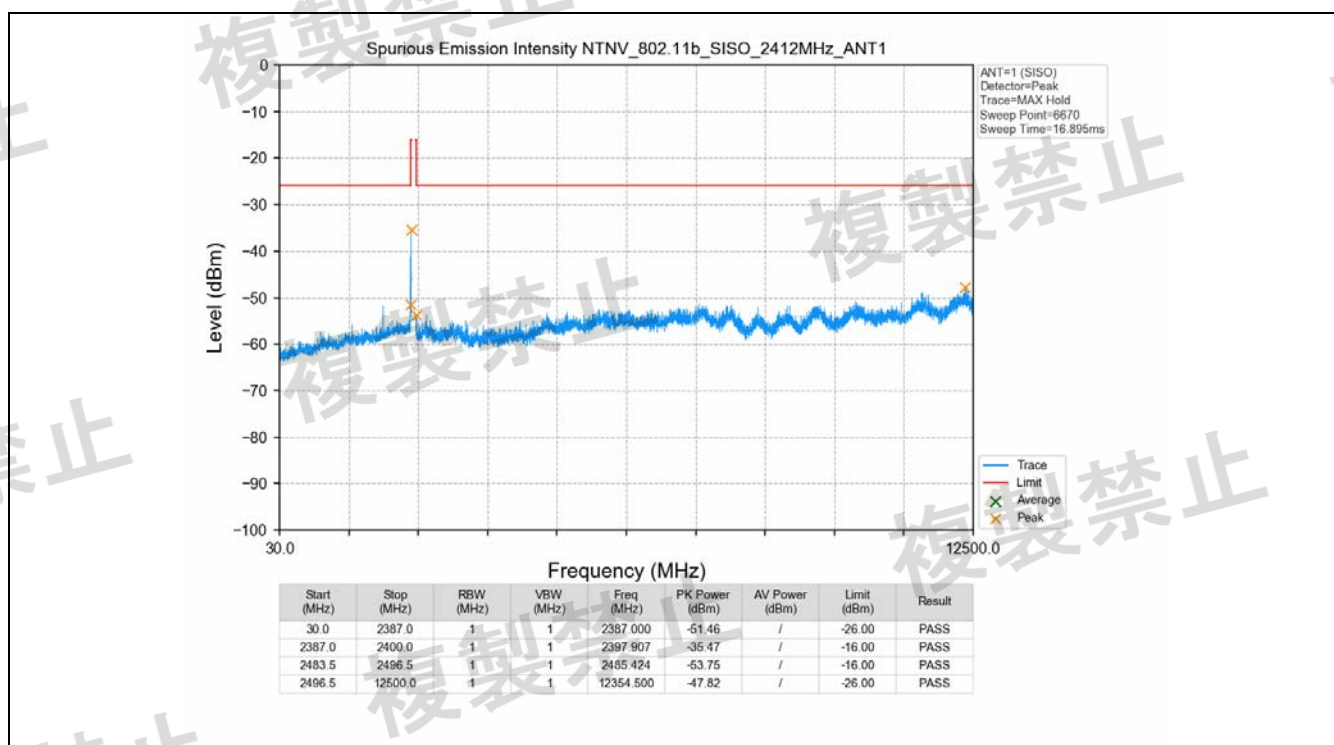


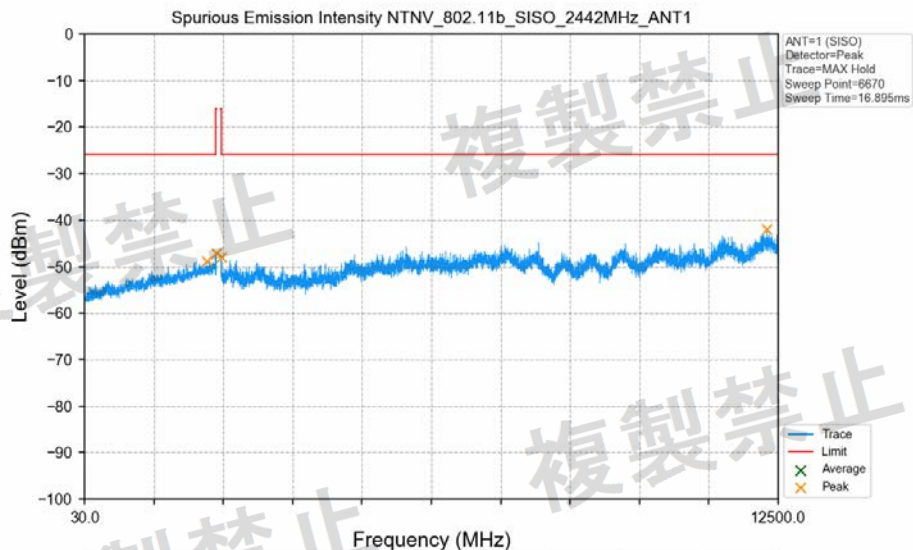
5. Spurious Emission Intensity

5.1 Test Result

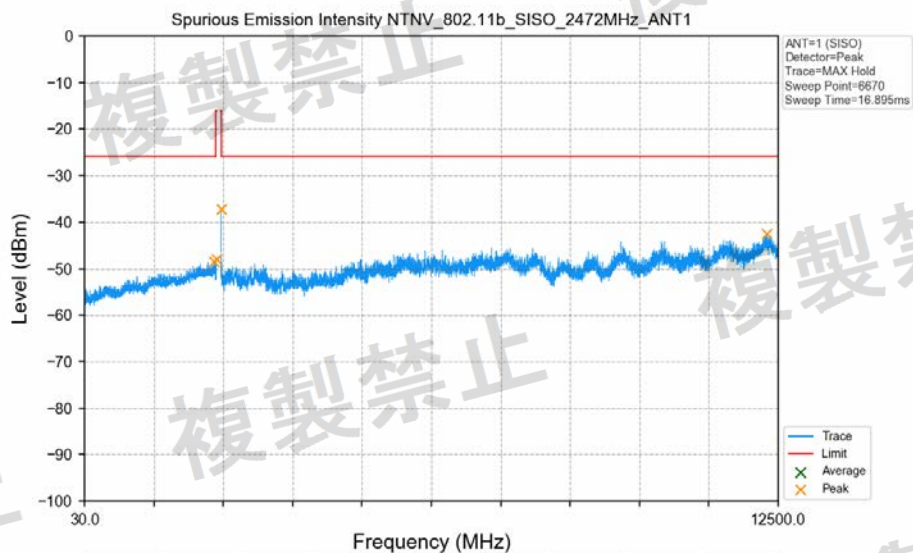
Test Condition	Test Mode	Test Channel [MHz]	Ant	Test Result	Limit	Verdict
NTNV	802.11b	2412	1	See test plot	See test plot	PASS
		2442	1	See test plot	See test plot	PASS
		2472	1	See test plot	See test plot	PASS
	802.11g	2412	1	See test plot	See test plot	PASS
		2442	1	See test plot	See test plot	PASS
		2472	1	See test plot	See test plot	PASS
	802.11n(HT20)	2412	1	See test plot	See test plot	PASS
		2442	1	See test plot	See test plot	PASS
		2472	1	See test plot	See test plot	PASS

5.2 Test Graph

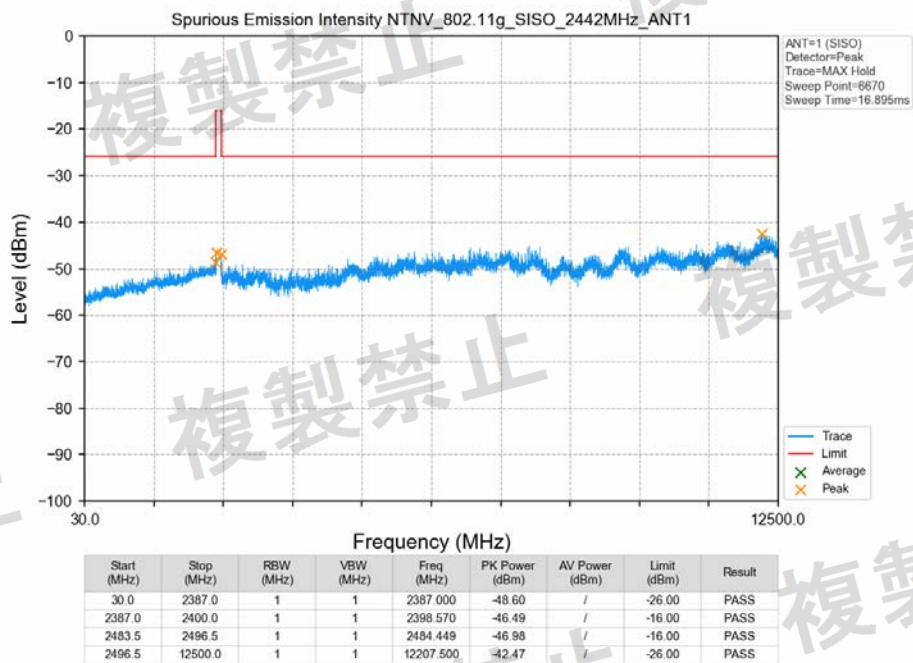
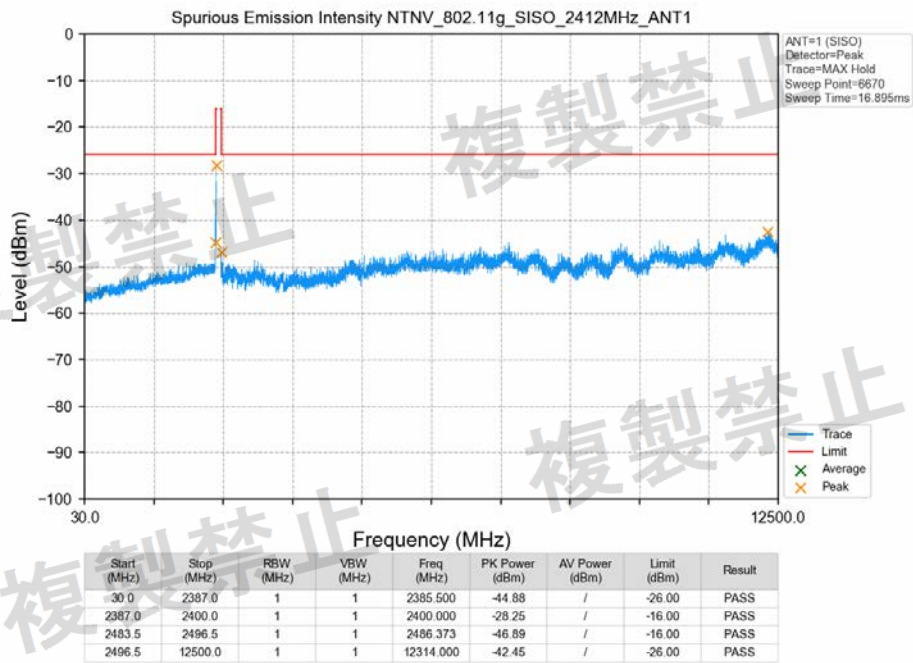


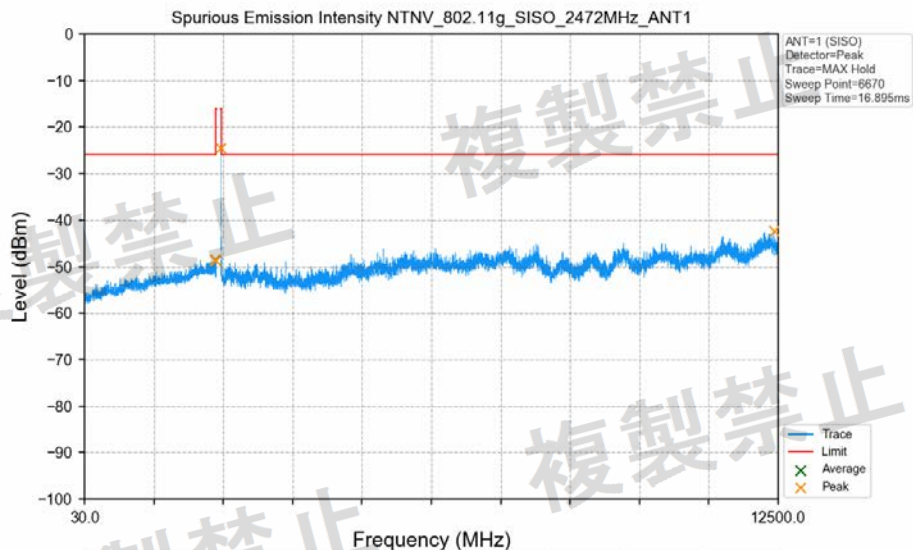


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30.0	2387.0	1	1	2221.965	-48.81	/	-26.00	PASS
2387.0	2400.0	1	1	2396.867	-47.09	/	-16.00	PASS
2403.5	2496.5	1	1	2485.229	-47.91	/	-16.00	PASS
2496.5	12500.0	1	1	12296.000	-42.02	/	-26.00	PASS

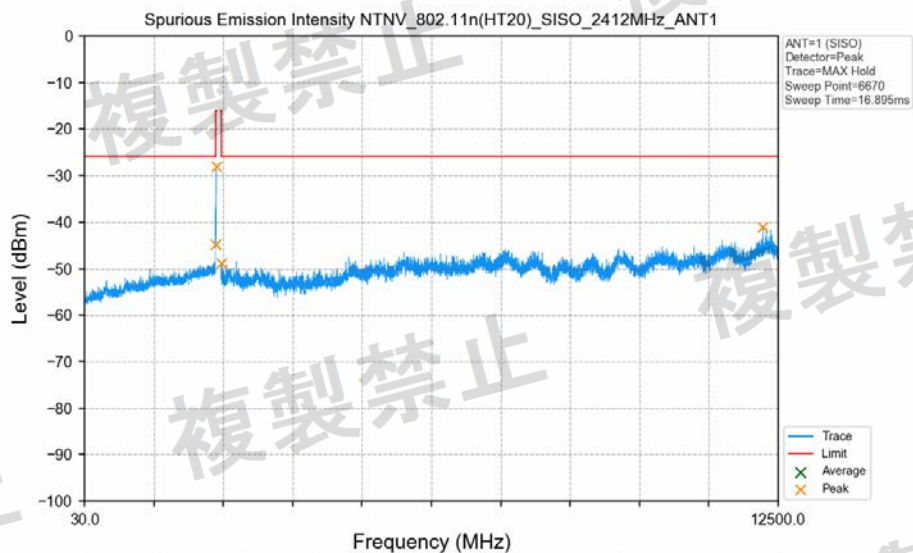


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30.0	2387.0	1	1	2362.995	-48.52	/	-26.00	PASS
2387.0	2400.0	1	1	2396.048	-47.92	/	-16.00	PASS
2403.5	2496.5	1	1	2484.228	-37.13	/	-16.00	PASS
2496.5	12500.0	1	1	12293.000	-42.45	/	-26.00	PASS

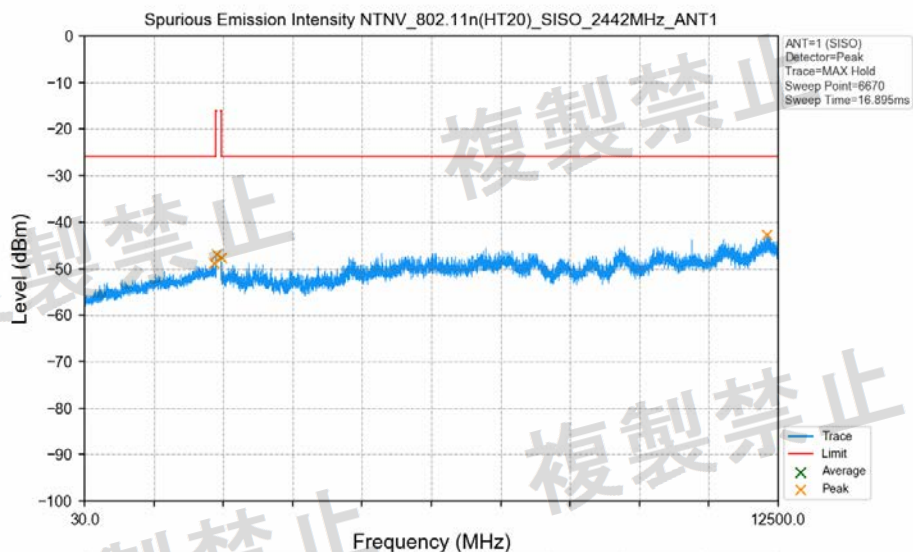




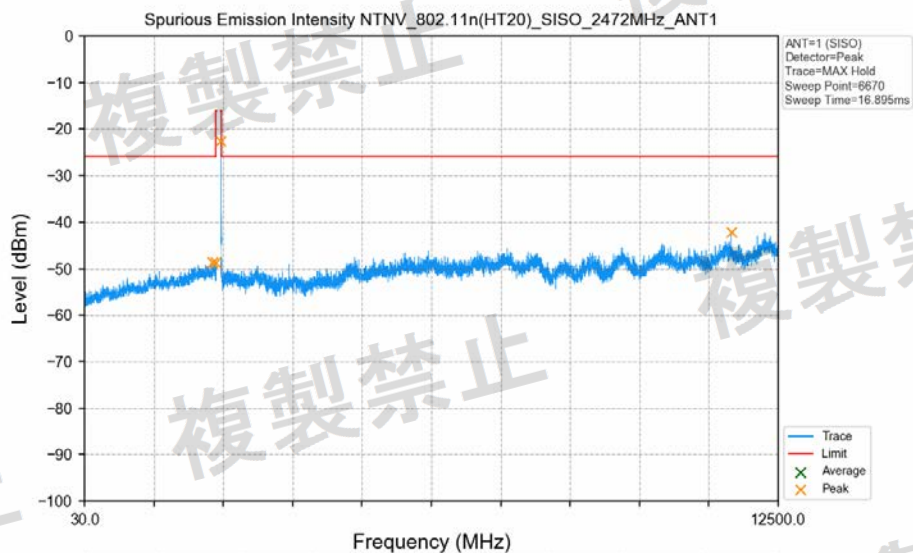
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30.0	2387.0	1	1	2373.497	-48.56	/	-26.00	PASS
2387.0	2400.0	1	1	2395.749	-48.59	/	-16.00	PASS
2403.5	2496.5	1	1	2483.513	-24.48	/	-16.00	PASS
2496.5	12500.0	1	1	12420.500	-42.38	/	-26.00	PASS



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30.0	2387.0	1	1	2385.500	-44.83	/	-26.00	PASS
2387.0	2400.0	1	1	2399.922	-27.96	/	-16.00	PASS
2403.5	2496.5	1	1	2489.493	-48.92	/	-16.00	PASS
2496.5	12500.0	1	1	12227.000	-41.18	/	-26.00	PASS



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30.0	2387.0	1	1	2353.993	-48.93	/	-26.00	PASS
2387.0	2400.0	1	1	2399.480	-46.93	/	-16.00	PASS
2403.5	2496.5	1	1	2485.658	-47.56	/	-16.00	PASS
2496.5	12500.0	1	1	12294.500	-42.70	/	-26.00	PASS



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30.0	2387.0	1	1	2322.486	-48.76	/	-26.00	PASS
2387.0	2400.0	1	1	2391.628	-48.61	/	-16.00	PASS
2403.5	2496.5	1	1	2483.604	-22.60	/	-16.00	PASS
2496.5	12500.0	1	1	11655.500	-42.13	/	-26.00	PASS

6. Secondary Radiated Emission

6.1 Test Result

Test Condition	Test Mode	Test Channel [MHz]	Ant	Test Result	Limit	Verdict
NTNV	802.11b	2412	1	See test plot	See test plot	PASS
		2442	1	See test plot	See test plot	PASS
		2472	1	See test plot	See test plot	PASS
	802.11g	2412	1	See test plot	See test plot	PASS
		2442	1	See test plot	See test plot	PASS
		2472	1	See test plot	See test plot	PASS
	802.11n(HT20)	2412	1	See test plot	See test plot	PASS
		2442	1	See test plot	See test plot	PASS
		2472	1	See test plot	See test plot	PASS

6.2 Test Graph

