

7.6. LEAK POWER OUT OF BAND

7.6.1. LIMIT

ARIB STD-T71, Clause 3.1.2 (10)

W52 Band

below 18MHz bandwidth

Frequency band	Deviation frequency 5240MHz	Limit
5140 - 5142MHz	98- 100MHz	2.5μW/MHz or less
5142 - 5150MHz	90 - 98MHz	15μW/MHz or less
5250 - 5251MHz	10 - 11MHz	$10^{1-(f-9)}\text{mW/MHz}$ or less
5251 - 5260MHz	11 - 20MHz	$10^{-1-(8/90)(f-20)}\text{mW/MHz}$ or less
5260 - 5266.7MHz	20 - 26.7MHz	$10^{-1.8-(6/50)(f-20)}\text{mW/MHz}$ or less
5266.7 - 5360MHz	26.7 - 120MHz	2.5μW/MHz or less

between 18MHz to 19MHz bandwidth

Frequency band	Deviation frequency 5240MHz	Limit
5135 - 5142MHz	98- 105MHz	2.5μW/MHz or less
5142 - 5150MHz	90 - 98MHz	15μW/MHz or less
5250 - 5251MHz	10 - 11MHz	$10^{1-(f-9)}\text{mW/MHz}$ or less
5251 - 5260MHz	11 - 20MHz	$10^{-1-(8/90)(f-20)}\text{mW/MHz}$ or less
5260 - 5266.7MHz	20 - 26.7MHz	$10^{-1.8-(6/50)(f-20)}\text{mW/MHz}$ or less
5266.7 - 5365MHz	26.7 - 125MHz	2.5μW/MHz or less

approximately 40MHz bandwidth

Frequency band	Deviation frequency 5230MHz	Limit
5100 – 5141.6MHz	88.4- 130MHz	2.5μW/MHz or less
5141.6 - 5150MHz	80 - 88.4MHz	15μW/MHz or less
5250 - 5251MHz	20 - 21MHz	$10^{-(f-20)+\log(1/2)}\text{mW/MHz}$ or less
5251 - 5270MHz	21 - 40MHz	$10^{-(8/190)(f-21)-1+\log(1/2)}\text{mW/MHz}$ or less
5270 – 5278.4MHz	40 – 48.4MHz	$10^{-(3/50)(f-40)-1.8+\log(1/2)}\text{mW/MHz}$ or less
5278.4 - 5400MHz	48.4 - 170MHz	2.5μW/MHz or less

approximately 80MHz bandwidth

Frequency band	Deviation frequency 5210MHz	Limit
5020 – 5123.2MHz	86.8- 190MHz	2.5μW/MHz or less
5123.2 - 5150MHz	60 – 86.8MHz	15μW/MHz or less
5250 - 5251MHz	40 - 41MHz	$10^{-(f-40)+\log(1/4)}\text{mW/MHz}$ or less
5251 - 5290MHz	41 - 80MHz	$10^{-(8/390)(f-41)-1+\log(1/4)}\text{mW/MHz}$ or less
5290 – 5296.7MHz	80 – 86.7MHz	$10^{-(3/100)(f-80)-1.8+\log(1/4)}\text{mW/MHz}$ or less
5296.7 - 5480MHz	86.7 - 270MHz	2.5μW/MHz or less

W53 Band

below 18MHz bandwidth

Frequency band	Deviation frequency 5260MHz	Limit
5140 - 5233.3MHz	26.7 - 120MHz	2.5μW/MHz orless
5233.3 - 5240MHz	20 - 26.7MHz	$10^{-1.8-(6/50)(f-20)}$ mW/MHz or less
5240 - 5249MHz	11 - 20MHz	$10^{-1-(8/90)(f-11)}$ mW/MHz or less
5249 - 5250MHz	10 - 11MHz	$10^{1-(f-9)}$ mW MHz or less
5350 - 5360MHz	90 - 100MHz	2.5μW MHz orless

between 18MHz to 19MHz bandwidth

Frequency band	Deviation frequency 5260MHz	Limit
5135 - 5233.3MHz	26.7 - 125MHz	2.5μW/MHz orless
5233.3 - 5240MHz	20 - 26.7MHz	$10^{-1.8-(6/50)(f-20)}$ mW/MHz or less
5240 - 5249MHz	11 - 20MHz	$10^{-1-(8/90)(f-11)}$ mW/MHz or less
5249 - 5250MHz	10 - 11MHz	$10^{1-(f-9)}$ mW MHz or less
5350 - 5365MHz	90 - 105MHz	2.5μW MHz orless

approximately 40MHz bandwidth

Frequency band	Deviation frequency 5270MHz	Limit
5100 – 5210MHz	60- 160MHz	2.5μW/MHz orless
5210 – 5221.6MHz	48.4 - 60MHz	2.5μW/MHz orless
5221.6 - 5230MHz	40 – 48.4MHz	$10^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz or less
5230 - 5249MHz	21 - 40MHz	$10^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz or less
5249 – 5250MHz	20 – 21MHz	$10^{-(f-20)+\log(1/2)}$ mW/MHz or less
5350 – 5358.4MHz	80 – 88.4MHz	15μW/MHz orless
5358.4 - 5400MHz	88.4 - 100MHz	2.5μW/MHz orless

approximately 80MHz bandwidth

Frequency band	Deviation frequency 5290MHz	Limit
5020 – 5203.3MHz	86.7- 270MHz	2.5μW/MHz orless
5203.3 - 5210MHz	80 – 86.7MHz	$10^{-(3/100)(f-80)-1.8+\log(1/4)}$ W/MHz orless
5210 - 5249MHz	41 - 80MHz	$10^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz or less
5249 - 5250MHz	40 - 41MHz	$10^{-(f-40)+\log(1/4)}$ mW/MHz or less
5350 – 5376.8MHz	60 – 86.8MHz	15μW/MHz or less
5376.8 - 5480MHz	86.8 - 190MHz	2.5μW/MHz orless

W56 Band

approximately 20MHz bandwidth

Frequency band	Limit
5,455-5,460MHz	2.5μW/MHz or less
5,460-5,470MHz	12.5μW/MHz or less
5,725-5,740MHz	12.5μW/MHz or less
5,740-5,745MHz	2.5μW/MHz or less

approximately 40MHz bandwidth

Frequency band	Limit
5,420MHz-5,460MHz	12.5μW/MHz or less
5,460MHz-5,470MHz	50.0μW/MHz or less
5,725MHz-5,760MHz	12.5μW/MHz or less

approximately 80MHz bandwidth

Frequency band	Limit
5,340MHz-5,460MHz	12.5μW/MHz or less
5,460MHz-5,469.5MHz	50.0μW/MHz or less
5,469.5MHz-5,470MHz	51.2μW/MHz or less
5,725MHz-5,800MHz	12.5μW/MHz or less

7.6.2. Test Procedure

Test Method for Radio Equipment mentioned in Certification Regulations Article 2, Item 19-3-2

MIC Notice No.88 Annex45 Clause 7

Test Configuration

Temperature and Voltage Measurement (under normal and extreme test conditions)



Remarks:

The spectrum analyzer could be connected to a monopole antenna or directly connected to the EUT, if the EUT has already employing an antenna connector.

7.6.3. TEST RESULT

W52 Band

Band	Mode	Frequency (MHz)	Test Result
W52	802.11a	5180	PASS
		5240	PASS
	802.11n(HT20)	5180	PASS
		5240	PASS
	802.11ac(VHT20)	5180	PASS
		5240	PASS
	802.11ax(HE20)	5180	PASS
		5240	PASS

Band	Mode	Frequency (MHz)	Test Result
W52	802.11n(HT40)	5190	PASS
		5230	PASS
	802.11ac(VHT40)	5190	PASS
		5230	PASS
	802.11ax(HE40)	5190	PASS
		5230	PASS

W53 Band

Band	Mode	Frequency (MHz)	Test Result
W53	802.11a	5260	PASS
		5320	PASS
	802.11n(HT20)	5260	PASS
		5320	PASS
	802.11ac(VHT20)	5260	PASS
		5320	PASS
	802.11ax(HE20)	5260	PASS
		5320	PASS

Band	Mode	Frequency (MHz)	Test Result
W53	802.11n(HT40)	5270	PASS
		5310	PASS
	802.11ac(VHT40)	5270	PASS
		5310	PASS
	802.11ax(HE40)	5270	PASS
		5310	PASS

W56 Band

Band	Mode	Frequency (MHz)	Test Result
W56	802.11a	5500	PASS
		5700	PASS
	802.11n(HT20)	5500	PASS
		5700	PASS
	802.11ac(VHT20)	5500	PASS
		5700	PASS
	802.11ax(HE20)	5500	PASS
		5700	PASS

Band	Mode	Frequency (MHz)	Test Result
W56	802.11n(HT40)	5510	PASS
		5670	PASS
	802.11ac(VHT40)	5510	PASS
		5670	PASS
	802.11ax(HE40)	5510	PASS
		5670	PASS
		5510	PASS
		5670	PASS

7.7. SPURIOUS EMISSIONS OF Rx

7.7.1. Limit

ARIB STD-T71, Clause 3.1.3 (1)

Frequency	Limit
Below 1GHz	54nW(-54dBm) or less
Above1GHz	20nW(-47dBm) or less

7.7.2. Test Procedure

Test Method for Radio Equipment mentioned in Certification Regulations Article 2, Item 19-3-2

MIC Notice No.88 Annex45 Clause 8

7.7.3. Test Configuration

Temperature and Voltage Measurement (under normal and extreme test conditions)



Remarks:

The spectrum analyzer could be connected to a monopole antenna or directly connected to the EUT, if the EUT has already employing an antenna connector.

7.7.4. TEST RESULT

TestCondition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11A	Ant1	5180	30~1000	753.50	-79.50	≤-54	0.01122	≤4	PASS
NTNV	11A	Ant1	5180	1000~26000	25816.24	-53.39	≤-47	4.58142	≤20	See table below
NTNV	11A	Ant1	5200	30~1000	921.79	-79.38	≤-54	0.01153	≤4	PASS
NTNV	11A	Ant1	5200	1000~26000	25746.24	-53.21	≤-47	4.77529	≤20	See table below
NTNV	11A	Ant1	5240	30~1000	726.70	-79.22	≤-54	0.01197	≤4	PASS
NTNV	11A	Ant1	5240	1000~26000	25772.49	-53.92	≤-47	4.05509	≤20	See table below
NTNV	11A	Ant1	5260	30~1000	823.58	-78.19	≤-54	0.01517	≤4	PASS
NTNV	11A	Ant1	5260	1000~26000	24894.94	-54.47	≤-47	3.57273	≤20	See table below
NTNV	11A	Ant1	5280	30~1000	829.77	-79.43	≤-54	0.01140	≤4	PASS
NTNV	11A	Ant1	5280	1000~26000	24889.94	-53.29	≤-47	4.68813	≤20	See table below
NTNV	11A	Ant1	5320	30~1000	902.64	-79.55	≤-54	0.01109	≤4	PASS
NTNV	11A	Ant1	5320	1000~26000	25347.47	-53.81	≤-47	4.15911	≤20	See table below
NTNV	11A	Ant1	5500	30~1000	465.05	-79.07	≤-54	0.01239	≤4	PASS
NTNV	11A	Ant1	5500	1000~26000	24881.19	-53.30	≤-47	4.67735	≤20	See table below
NTNV	11A	Ant1	5580	30~1000	468.32	-78.88	≤-54	0.01294	≤4	PASS
NTNV	11A	Ant1	5580	1000~26000	25383.72	-52.74	≤-47	5.32108	≤20	See table below
NTNV	11A	Ant1	5700	30~1000	879.36	-79.60	≤-54	0.01096	≤4	PASS
NTNV	11N20SISO	Ant1	5180	30~1000	684.27	-79.27	≤-54	0.01183	≤4	PASS
NTNV	11N20SISO	Ant1	5180	1000~26000	24869.94	-53.25	≤-47	4.73151	≤20	See table below
NTNV	11N20SISO	Ant1	5200	30~1000	745.38	-79.89	≤-54	0.01026	≤4	PASS
NTNV	11N20SISO	Ant1	5200	1000~26000	24877.44	-53.43	≤-47	4.53942	≤20	See table below
NTNV	11N20SISO	Ant1	5240	30~1000	895.00	-79.90	≤-54	0.01023	≤4	PASS
NTNV	11N20SISO	Ant1	5240	1000~26000	25708.74	-53.93	≤-47	4.04576	≤20	See table below
NTNV	11N20SISO	Ant1	5260	30~1000	890.88	-79.35	≤-54	0.01161	≤4	PASS
NTNV	11N20SISO	Ant1	5260	1000~26000	25589.98	-54.07	≤-47	3.91742	≤20	See table below
NTNV	11N20SISO	Ant1	5280	30~1000	870.26	-78.61	≤-54	0.01377	≤4	PASS
NTNV	11N20SISO	Ant1	5280	1000~26000	25701.24	-53.29	≤-47	4.68813	≤20	See table below
NTNV	11N20SISO	Ant1	5320	30~1000	978.90	-79.83	≤-54	0.01040	≤4	PASS
NTNV	11N20SISO	Ant1	5320	1000~26000	25389.97	-54.19	≤-47	3.81066	≤20	See table below
NTNV	11N20SISO	Ant1	5500	30~1000	476.32	-78.89	≤-54	0.01291	≤4	PASS
NTNV	11N20SISO	Ant1	5500	1000~26000	25709.99	-53.19	≤-47	4.79733	≤20	See table below
NTNV	11N20SISO	Ant1	5580	30~1000	774.72	-78.95	≤-54	0.01274	≤4	PASS
NTNV	11N20SISO	Ant1	5580	1000~26000	25416.22	-53.60	≤-47	4.36516	≤20	See table below
NTNV	11N20SISO	Ant1	5700	30~1000	818.37	-78.96	≤-54	0.01271	≤4	PASS
NTNV	11N20SISO	Ant1	5700	1000~26000	25858.74	-53.85	≤-47	4.12098	≤20	See

										table below
NTNV	11N40SISO	Ant1	5190	30~1000	950.65	-79.44	≤-54	0.01138	≤4	PASS
NTNV	11N40SISO	Ant1	5190	1000~26000	24932.45	-53.60	≤-47	4.36516	≤20	See table below
NTNV	11N40SISO	Ant1	5230	30~1000	790.12	-79.14	≤-54	0.01219	≤4	PASS
NTNV	11N40SISO	Ant1	5230	1000~26000	25827.49	-53.98	≤-47	3.99945	≤20	See table below
NTNV	11N40SISO	Ant1	5270	30~1000	915.25	-79.62	≤-54	0.01091	≤4	PASS
NTNV	11N40SISO	Ant1	5270	1000~26000	25424.97	-53.84	≤-47	4.13048	≤20	See table below
NTNV	11N40SISO	Ant1	5310	30~1000	792.06	-79.65	≤-54	0.01084	≤4	PASS
NTNV	11N40SISO	Ant1	5310	1000~26000	25434.97	-53.98	≤-47	3.99945	≤20	See table below
NTNV	11N40SISO	Ant1	5510	30~1000	819.94	-77.85	≤-54	0.01641	≤4	PASS
NTNV	11N40SISO	Ant1	5510	1000~26000	25759.99	-53.12	≤-47	4.87528	≤20	See table below
NTNV	11N40SISO	Ant1	5670	30~1000	810.97	-78.72	≤-54	0.01343	≤4	PASS
NTNV	11N40SISO	Ant1	5670	1000~26000	25576.23	-53.70	≤-47	4.26580	≤20	See table below
NTNV	11AC20SISO	Ant1	5180	30~1000	883.84	-79.60	≤-54	0.01096	≤4	PASS
NTNV	11AC20SISO	Ant1	5180	1000~26000	25846.24	-53.51	≤-47	4.45656	≤20	See table below
NTNV	11AC20SISO	Ant1	5200	30~1000	857.65	-79.46	≤-54	0.01132	≤4	PASS
NTNV	11AC20SISO	Ant1	5200	1000~26000	25448.72	-53.91	≤-47	4.06443	≤20	See table below
NTNV	11AC20SISO	Ant1	5240	30~1000	853.89	-79.78	≤-54	0.01052	≤4	PASS
NTNV	11AC20SISO	Ant1	5240	1000~26000	25786.24	-53.38	≤-47	4.59198	≤20	See table below
NTNV	11AC20SISO	Ant1	5260	30~1000	892.82	-79.40	≤-54	0.01148	≤4	PASS
NTNV	11AC20SISO	Ant1	5280	30~1000	886.87	-79.40	≤-54	0.01148	≤4	PASS
NTNV	11AC20SISO	Ant1	5280	1000~26000	24832.44	-53.37	≤-47	4.60257	≤20	See table below
NTNV	11AC20SISO	Ant1	5320	30~1000	975.27	-79.16	≤-54	0.01213	≤4	PASS
NTNV	11AC20SISO	Ant1	5500	30~1000	973.93	-78.85	≤-54	0.01303	≤4	PASS
NTNV	11AC20SISO	Ant1	5500	1000~26000	25793.74	-53.10	≤-47	4.89779	≤20	See table below
NTNV	11AC20SISO	Ant1	5580	30~1000	828.92	-79.00	≤-54	0.01259	≤4	PASS
NTNV	11AC20SISO	Ant1	5580	1000~26000	24871.19	-52.96	≤-47	5.05825	≤20	See table below
NTNV	11AC20SISO	Ant1	5700	30~1000	901.18	-78.62	≤-54	0.01374	≤4	PASS
NTNV	11AC20SISO	Ant1	5700	1000~26000	24828.69	-53.38	≤-47	4.59198	≤20	See table below
NTNV	11AC40SISO	Ant1	5190	30~1000	797.63	-79.47	≤-54	0.01130	≤4	PASS
NTNV	11AC40SISO	Ant1	5190	1000~26000	24836.19	-54.06	≤-47	3.92645	≤20	See table below
NTNV	11AC40SISO	Ant1	5230	30~1000	829.77	-79.49	≤-54	0.01125	≤4	PASS
NTNV	11AC40SISO	Ant1	5230	1000~26000	25836.24	-53.83	≤-47	4.14000	≤20	See table below
NTNV	11AC40SISO	Ant1	5270	30~1000	936.95	-79.56	≤-54	0.01107	≤4	PASS
NTNV	11AC40SISO	Ant1	5270	1000~26000	24817.44	-53.98	≤-47	3.99945	≤20	See table below
NTNV	11AC40SISO	Ant1	5310	30~1000	454.38	-79.38	≤-54	0.01153	≤4	PASS
NTNV	11AC40SISO	Ant1	5310	1000~26000	24761.19	-53.41	≤-47	4.56037	≤20	See

										table below
NTNV	11AC40SISO	Ant1	5510	30~1000	908.46	-79.02	≤-54	0.01253	≤4	PASS
NTNV	11AC40SISO	Ant1	5510	1000~26000	25493.72	-53.50	≤-47	4.46684	≤20	See table below
NTNV	11AC40SISO	Ant1	5670	30~1000	410.24	-79.12	≤-54	0.01225	≤4	PASS
NTNV	11AC40SISO	Ant1	5670	1000~26000	24909.95	-53.75	≤-47	4.21697	≤20	See table below
NTNV	11AX20SISO	Ant1	5180	30~1000	889.54	-78.91	≤-54	0.01285	≤4	PASS
NTNV	11AX20SISO	Ant1	5180	1000~26000	24814.94	-53.06	≤-47	4.94311	≤20	See table below
NTNV	11AX20SISO	Ant1	5200	30~1000	930.04	-79.33	≤-54	0.01167	≤4	PASS
NTNV	11AX20SISO	Ant1	5200	1000~26000	25524.98	-53.06	≤-47	4.94311	≤20	See table below
NTNV	11AX20SISO	Ant1	5240	30~1000	977.21	-78.97	≤-54	0.01268	≤4	PASS
NTNV	11AX20SISO	Ant1	5240	1000~26000	25762.49	-53.02	≤-47	4.98884	≤20	See table below
NTNV	11AX20SISO	Ant1	5260	30~1000	555.62	-79.41	≤-54	0.01146	≤4	PASS
NTNV	11AX20SISO	Ant1	5260	1000~26000	25699.98	-53.15	≤-47	4.84172	≤20	See table below
NTNV	11AX20SISO	Ant1	5280	30~1000	888.09	-79.41	≤-54	0.01146	≤4	PASS
NTNV	11AX20SISO	Ant1	5280	1000~26000	25817.49	-53.67	≤-47	4.29536	≤20	See table below
NTNV	11AX20SISO	Ant1	5320	30~1000	957.68	-79.43	≤-54	0.01140	≤4	PASS
NTNV	11AX20SISO	Ant1	5320	1000~26000	25766.24	-53.67	≤-47	4.29536	≤20	See table below
NTNV	11AX20SISO	Ant1	5500	30~1000	901.06	-79.56	≤-54	0.01107	≤4	PASS
NTNV	11AX20SISO	Ant1	5500	1000~26000	24897.44	-53.03	≤-47	4.97737	≤20	See table below
NTNV	11AX20SISO	Ant1	5580	30~1000	893.91	-79.10	≤-54	0.01230	≤4	PASS
NTNV	11AX20SISO	Ant1	5580	1000~26000	25841.24	-52.41	≤-47	5.74116	≤20	See table below
NTNV	11AX20SISO	Ant1	5700	30~1000	972.36	-79.68	≤-54	0.01076	≤4	PASS
NTNV	11AX20SISO	Ant1	5700	1000~26000	25418.72	-54.24	≤-47	3.76704	≤20	See table below
NTNV	11AX40SISO	Ant1	5190	30~1000	803.45	-79.43	≤-54	0.01140	≤4	PASS
NTNV	11AX40SISO	Ant1	5190	1000~26000	25938.75	-53.72	≤-47	4.24620	≤20	See table below
NTNV	11AX40SISO	Ant1	5230	30~1000	792.06	-78.90	≤-54	0.01288	≤4	PASS
NTNV	11AX40SISO	Ant1	5230	1000~26000	24968.7	-53.17	≤-47	4.81948	≤20	See table below
NTNV	11AX40SISO	Ant1	5270	30~1000	899.85	-78.84	≤-54	0.01306	≤4	PASS
NTNV	11AX40SISO	Ant1	5270	1000~26000	24857.44	-53.67	≤-47	4.29536	≤20	See table below
NTNV	11AX40SISO	Ant1	5310	30~1000	896.33	-78.19	≤-54	0.01517	≤4	PASS
NTNV	11AX40SISO	Ant1	5310	1000~26000	24817.44	-53.40	≤-47	4.57088	≤20	See table below
NTNV	11AX40SISO	Ant1	5510	30~1000	899.85	-78.95	≤-54	0.01274	≤4	PASS
NTNV	11AX40SISO	Ant1	5510	1000~26000	24859.94	-53.14	≤-47	4.85289	≤20	See table below
NTNV	11AX40SISO	Ant1	5670	30~1000	884.09	-78.94	≤-54	0.01276	≤4	PASS
NTNV	11AX40SISO	Ant1	5670	1000~26000	24842.44	-52.83	≤-47	5.21195	≤20	See table below

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Access to the World

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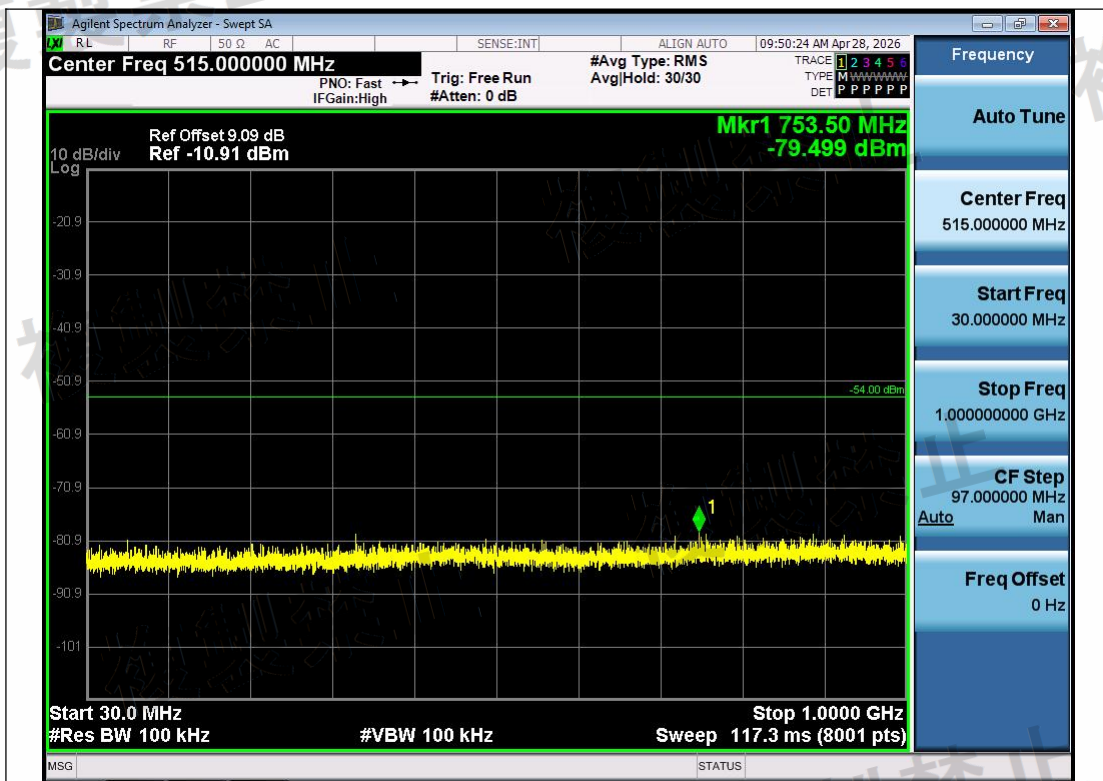
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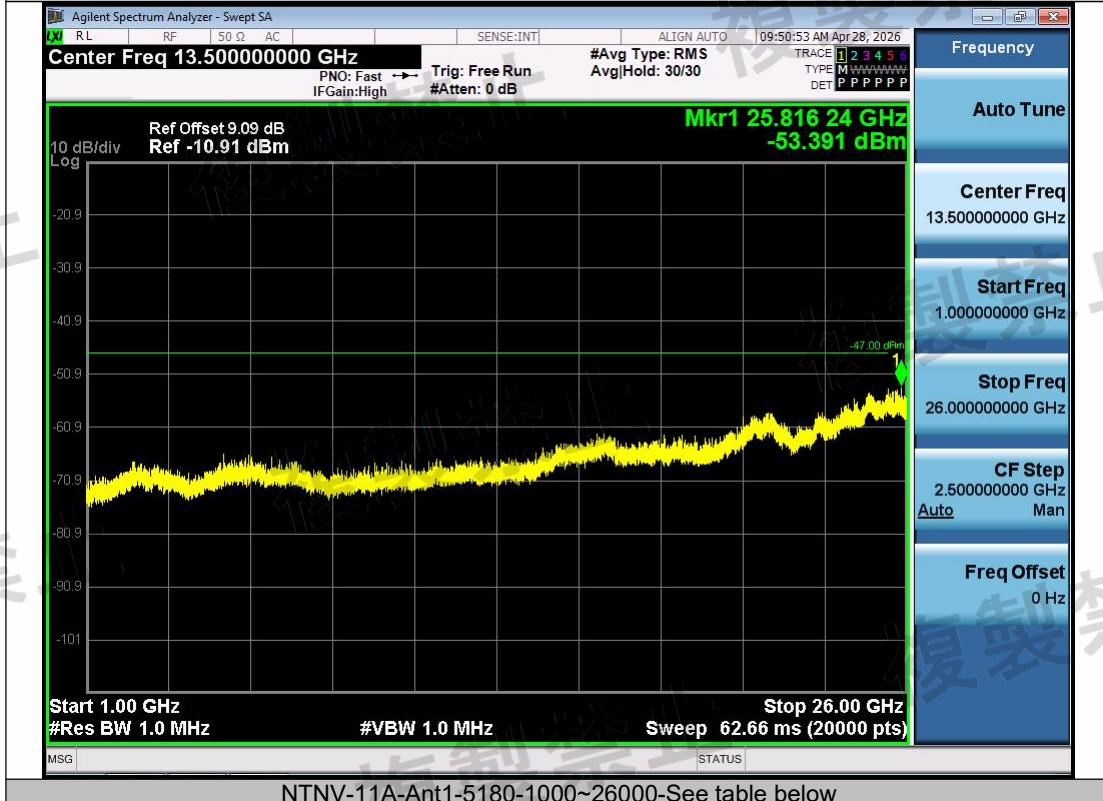
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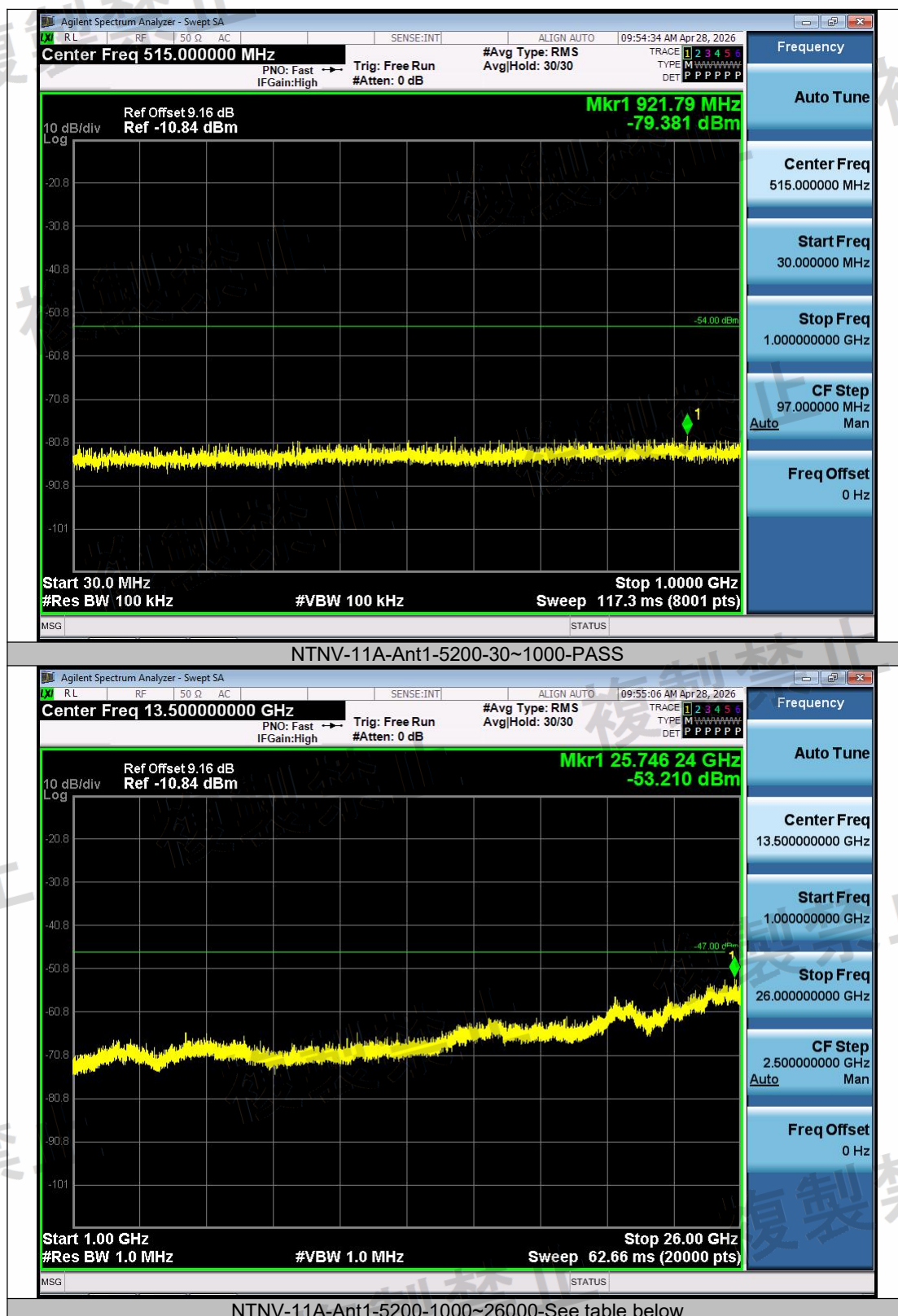
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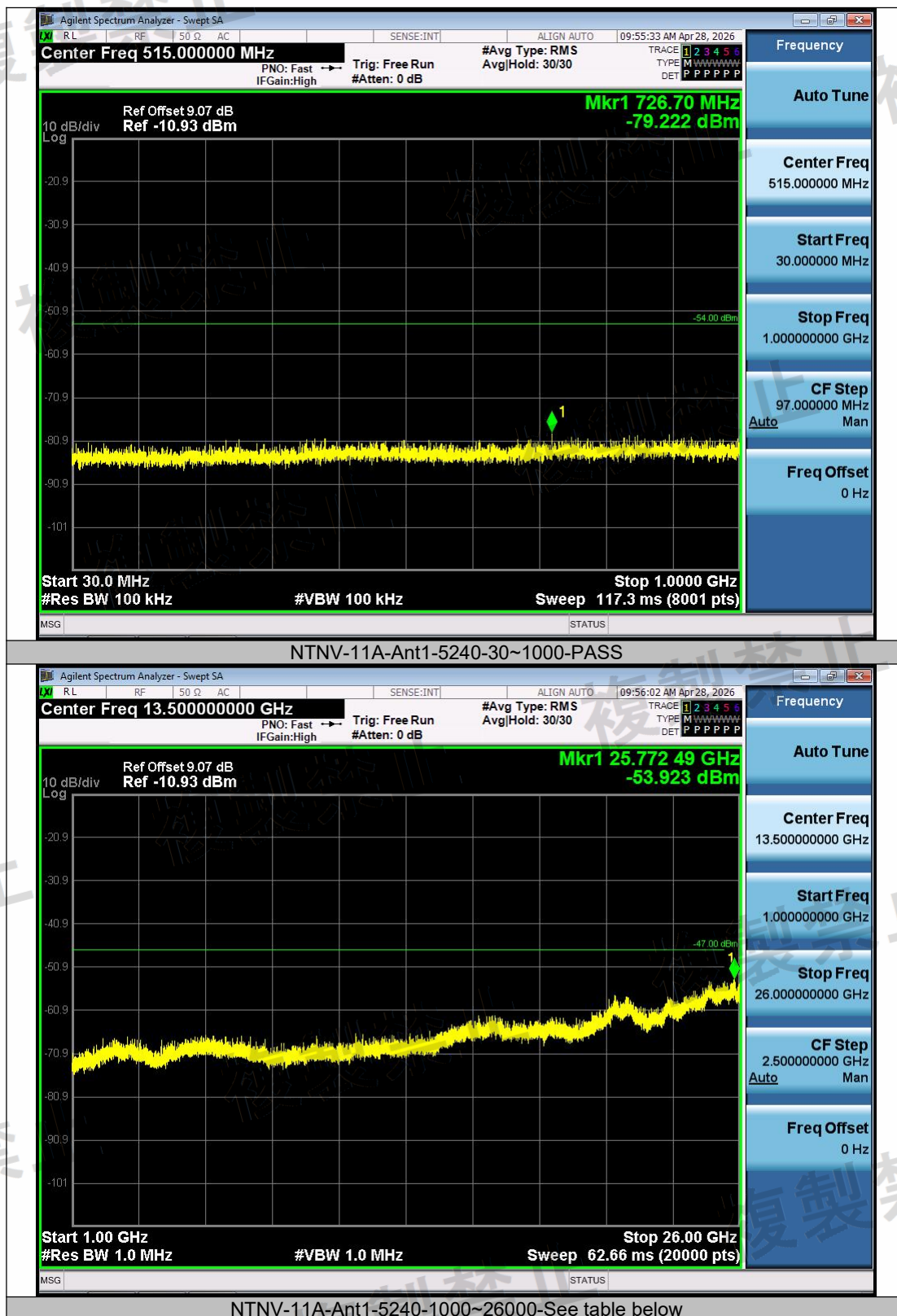


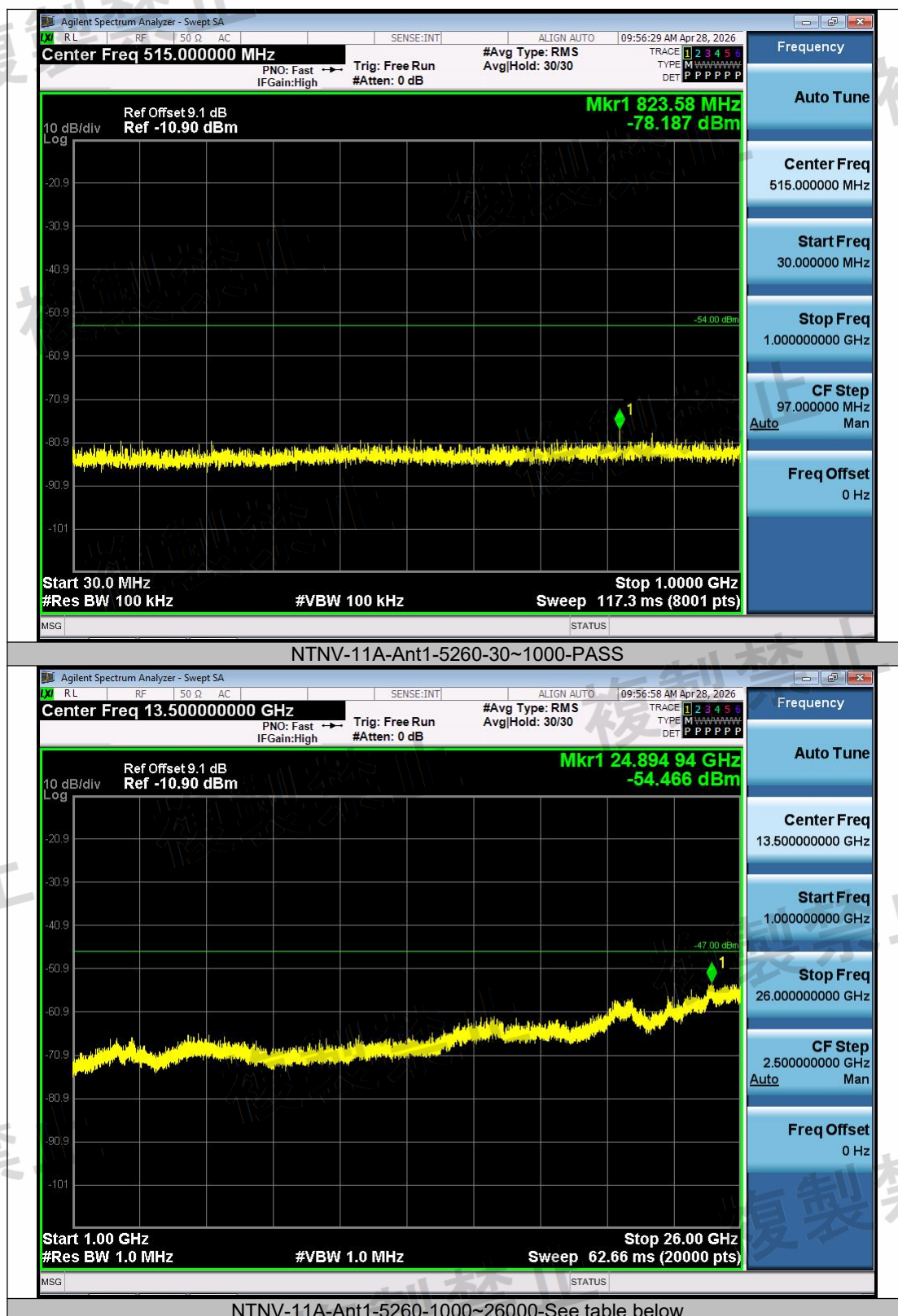
NTNV-11A-Ant1-5180-30~1000-PASS

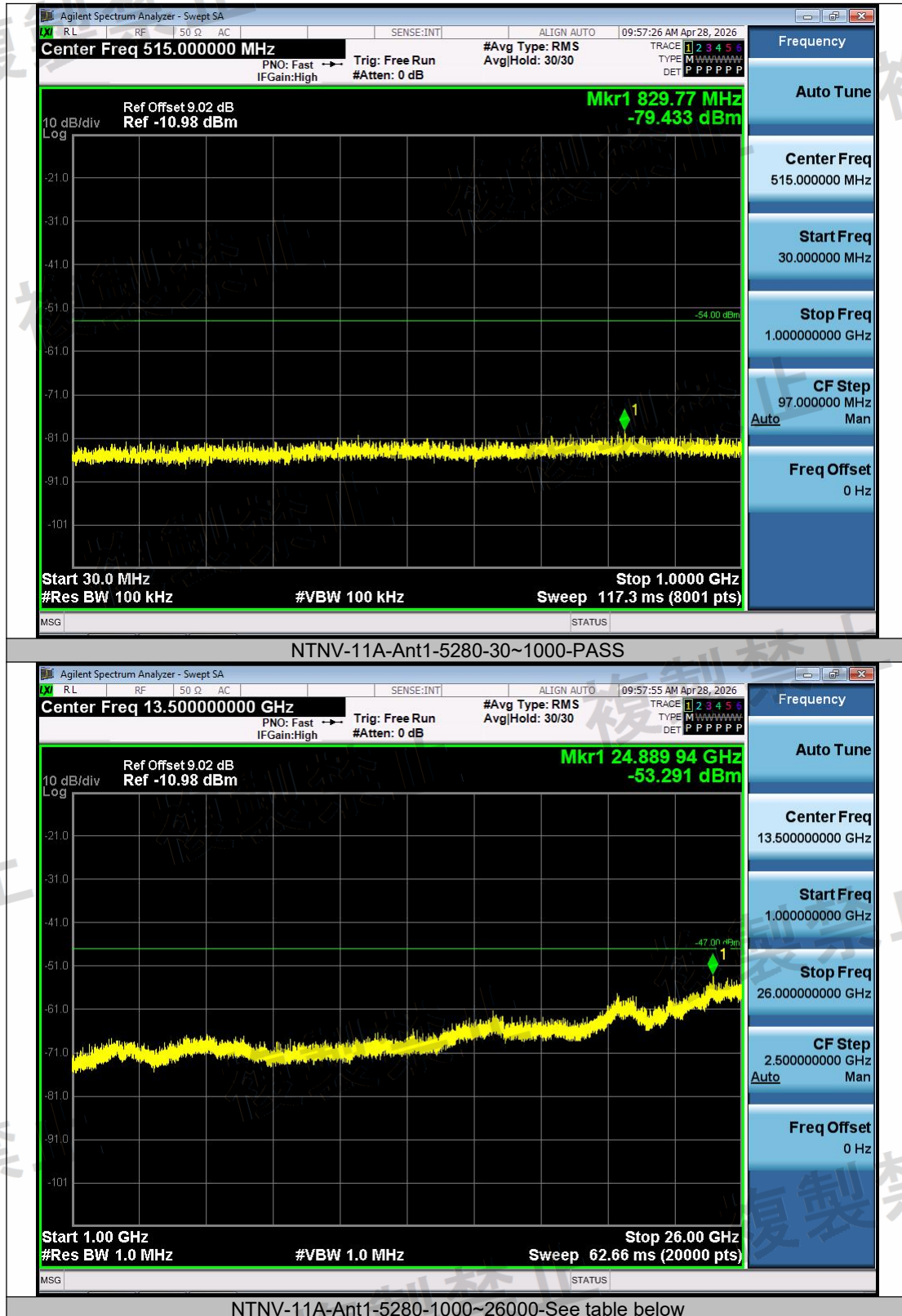


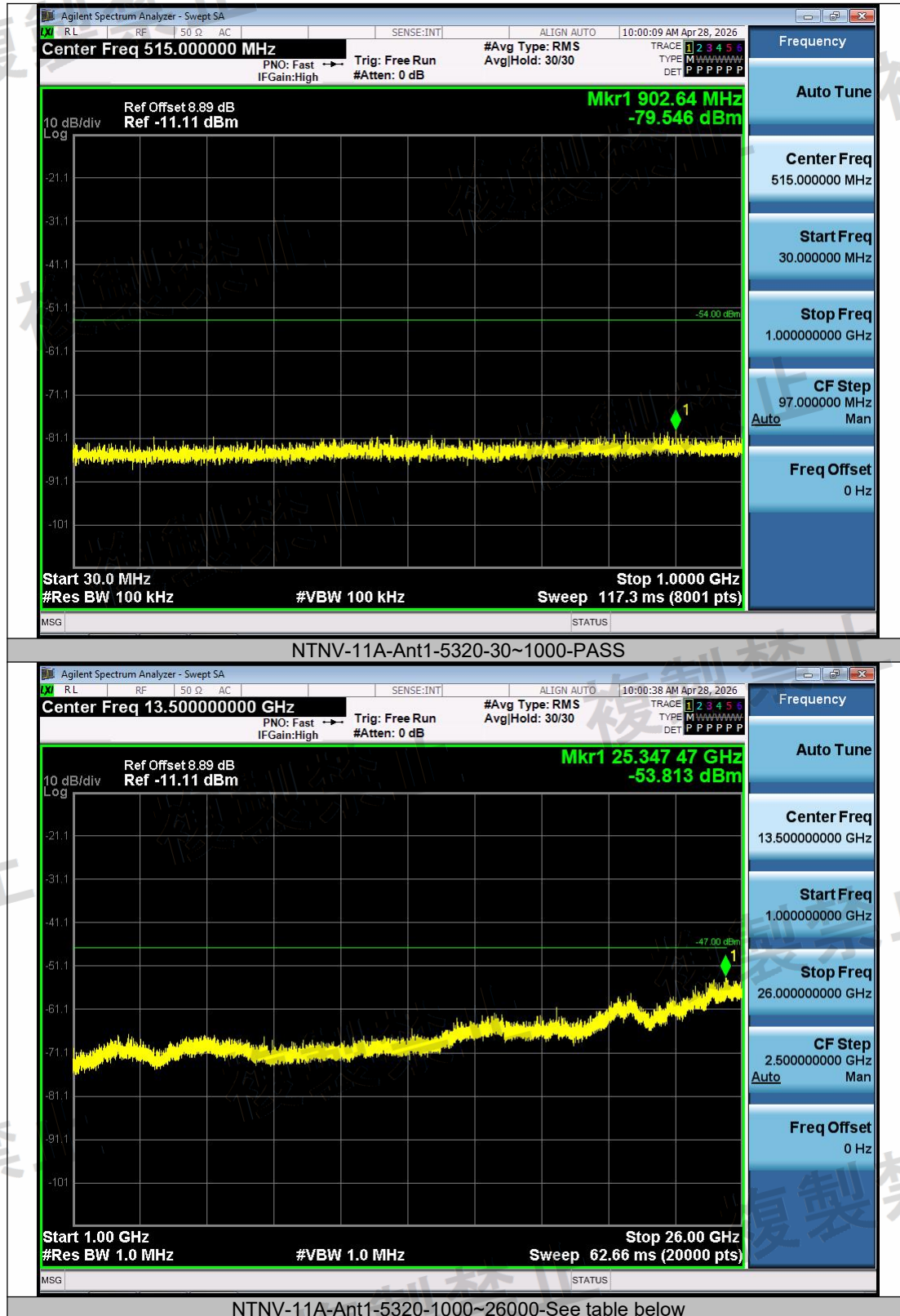
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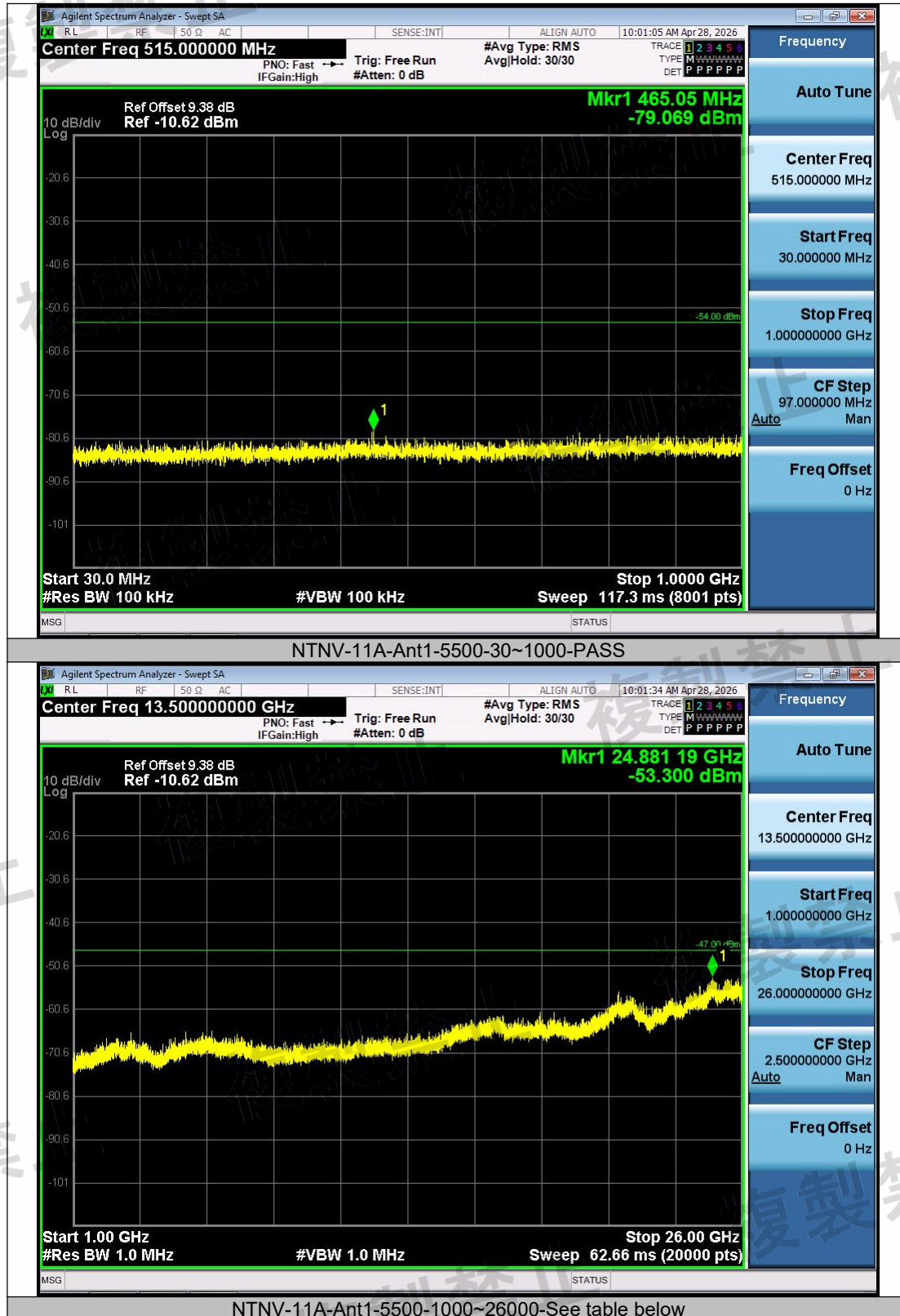


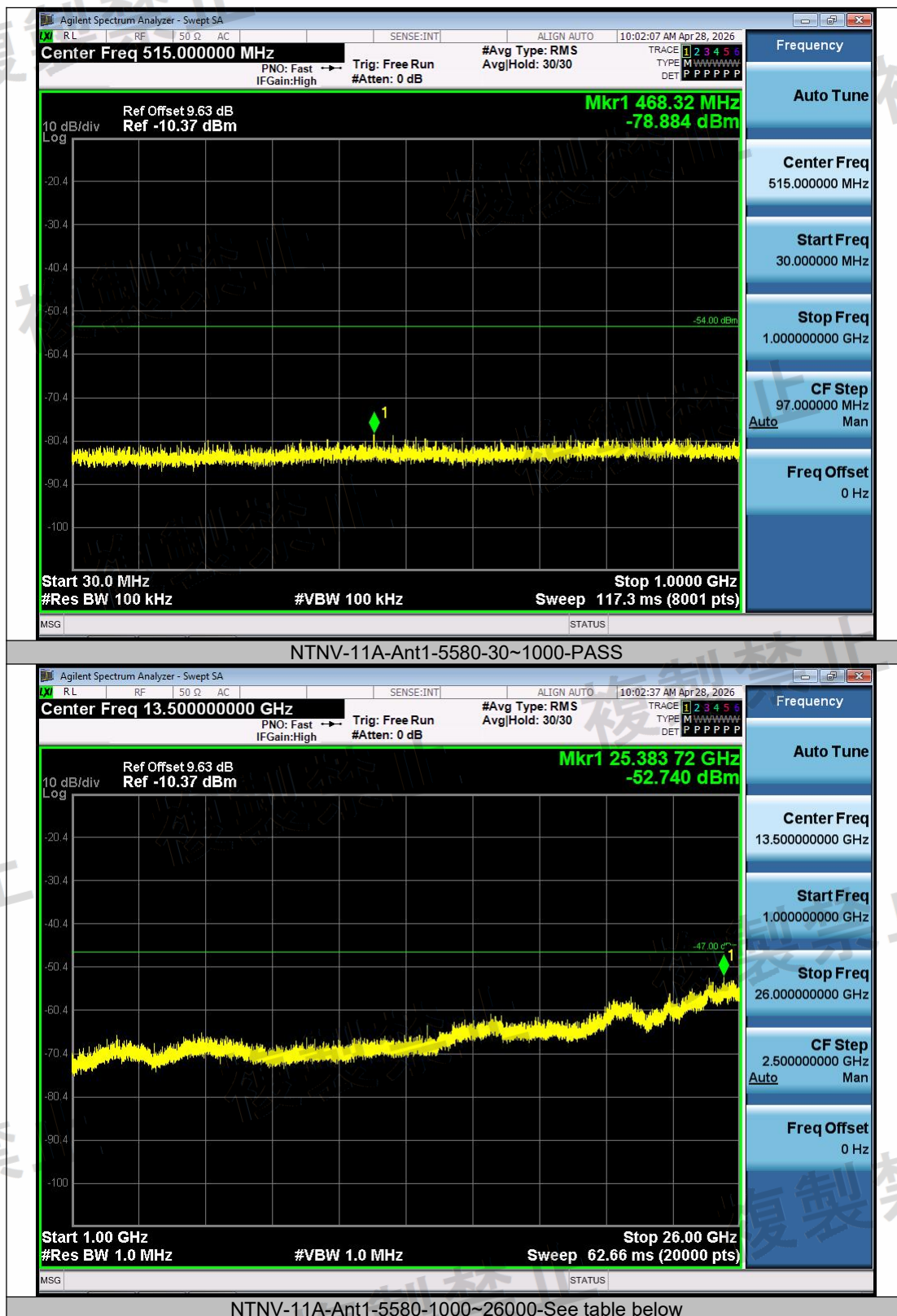


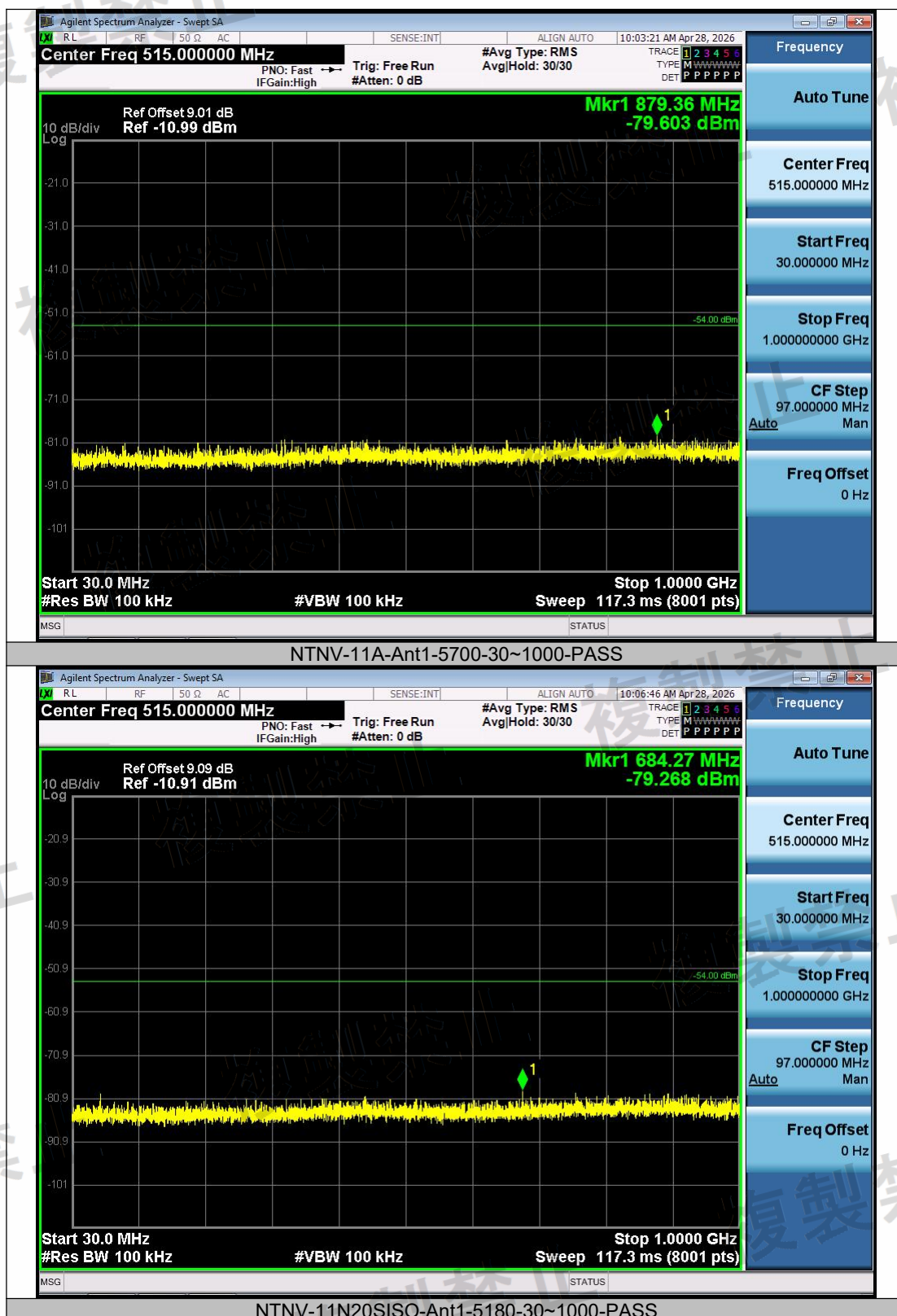






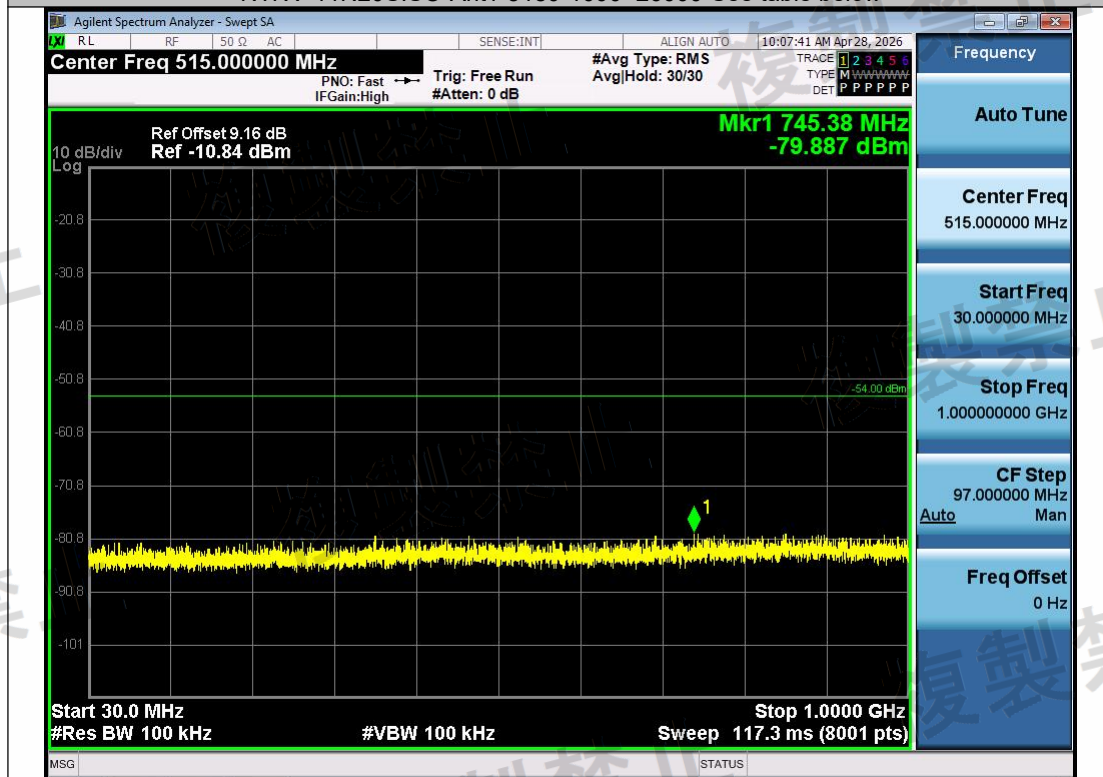




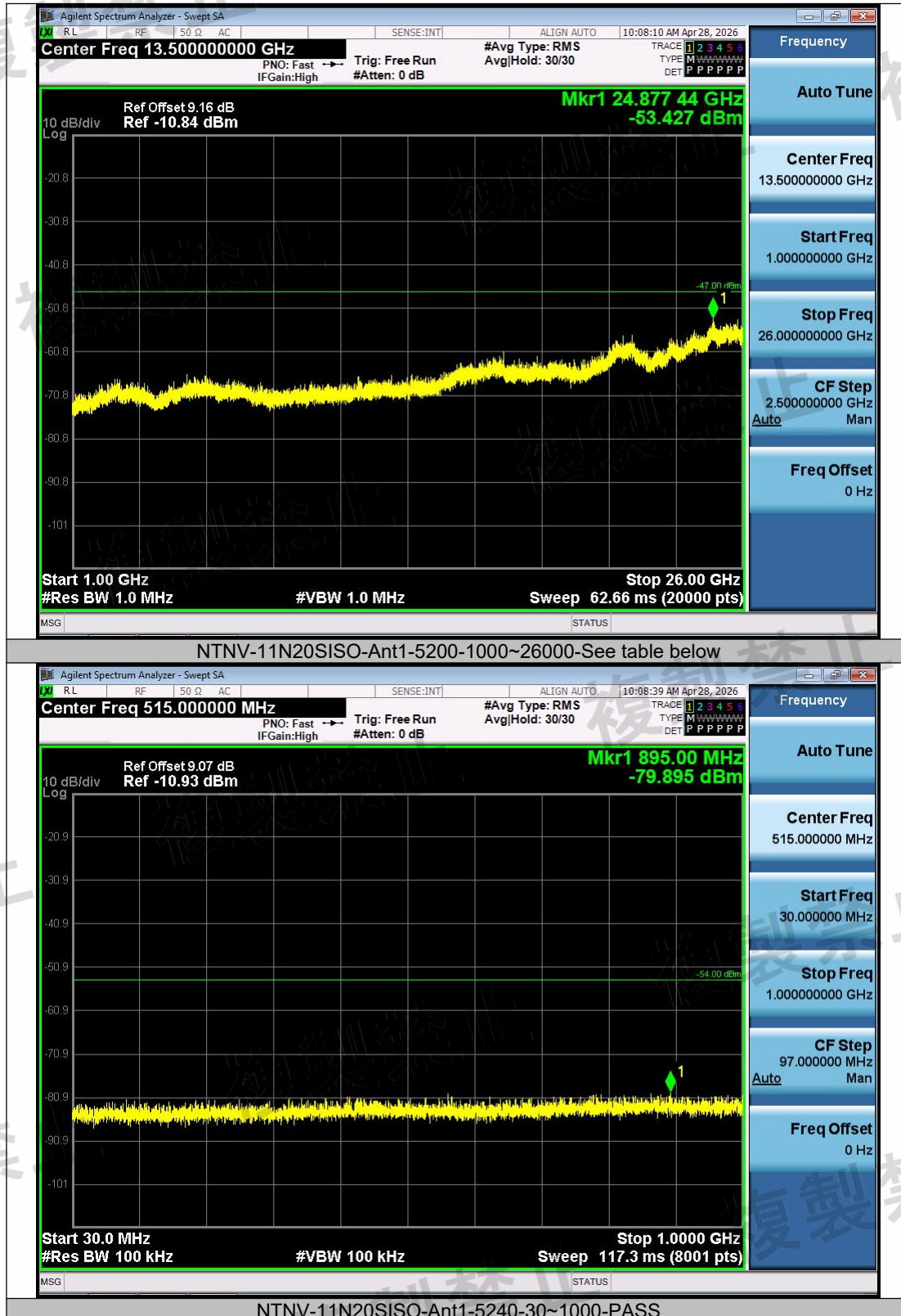


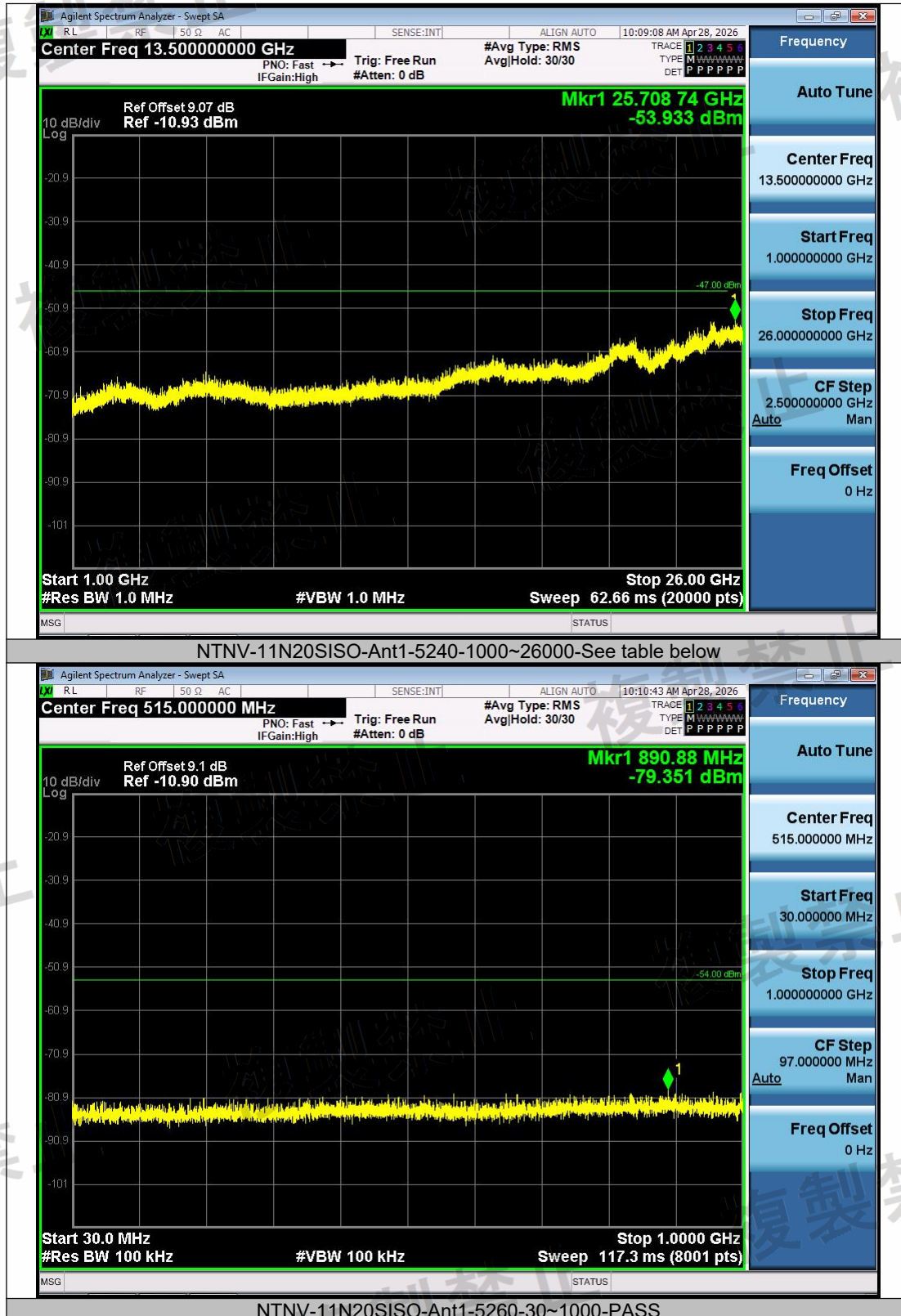


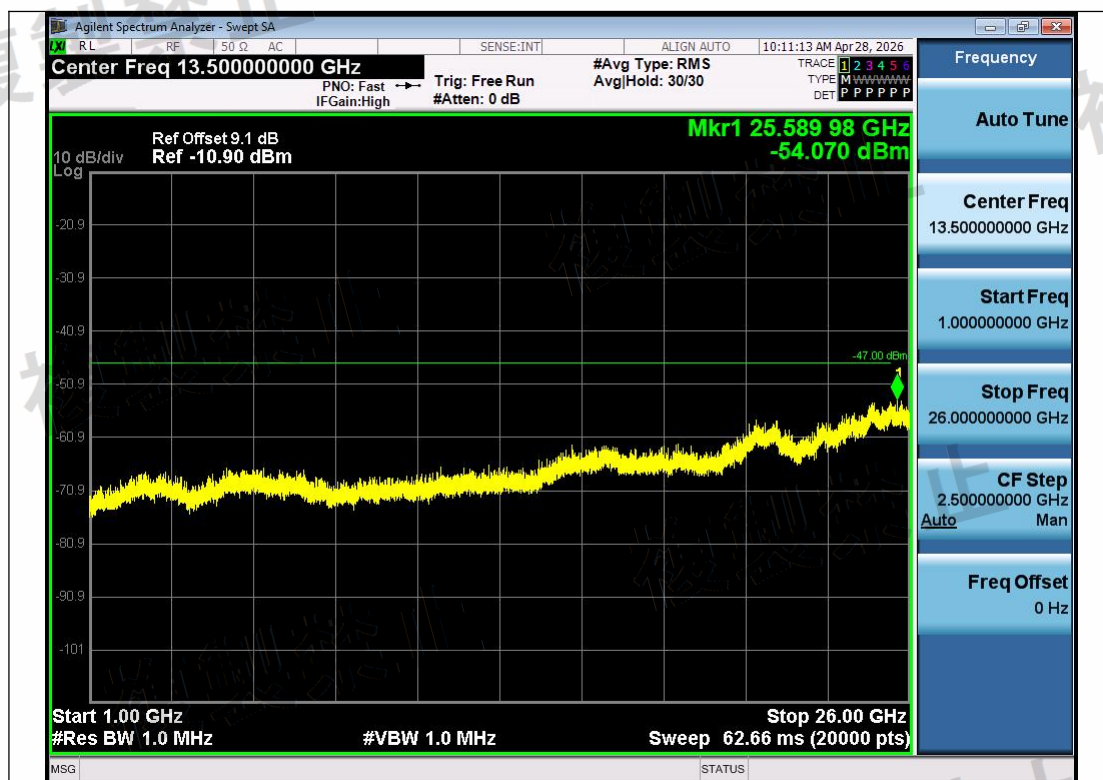
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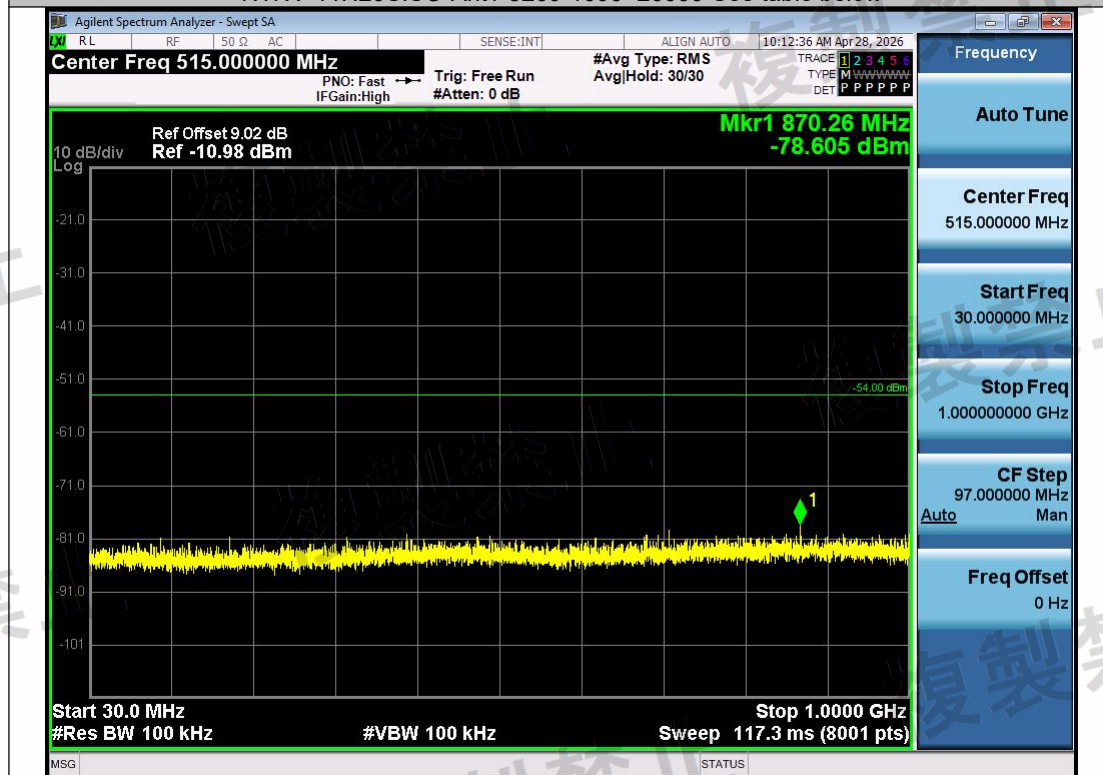
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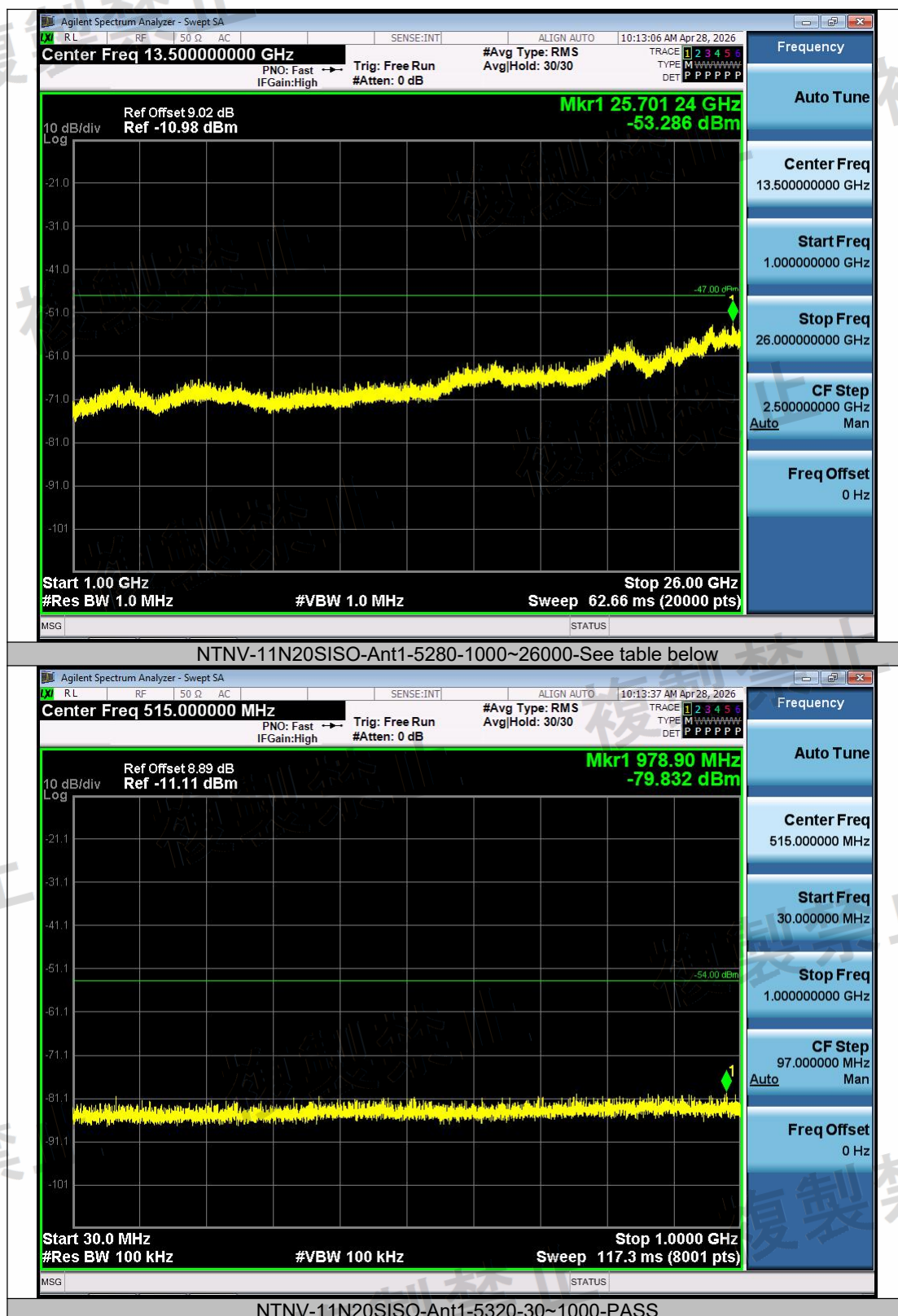


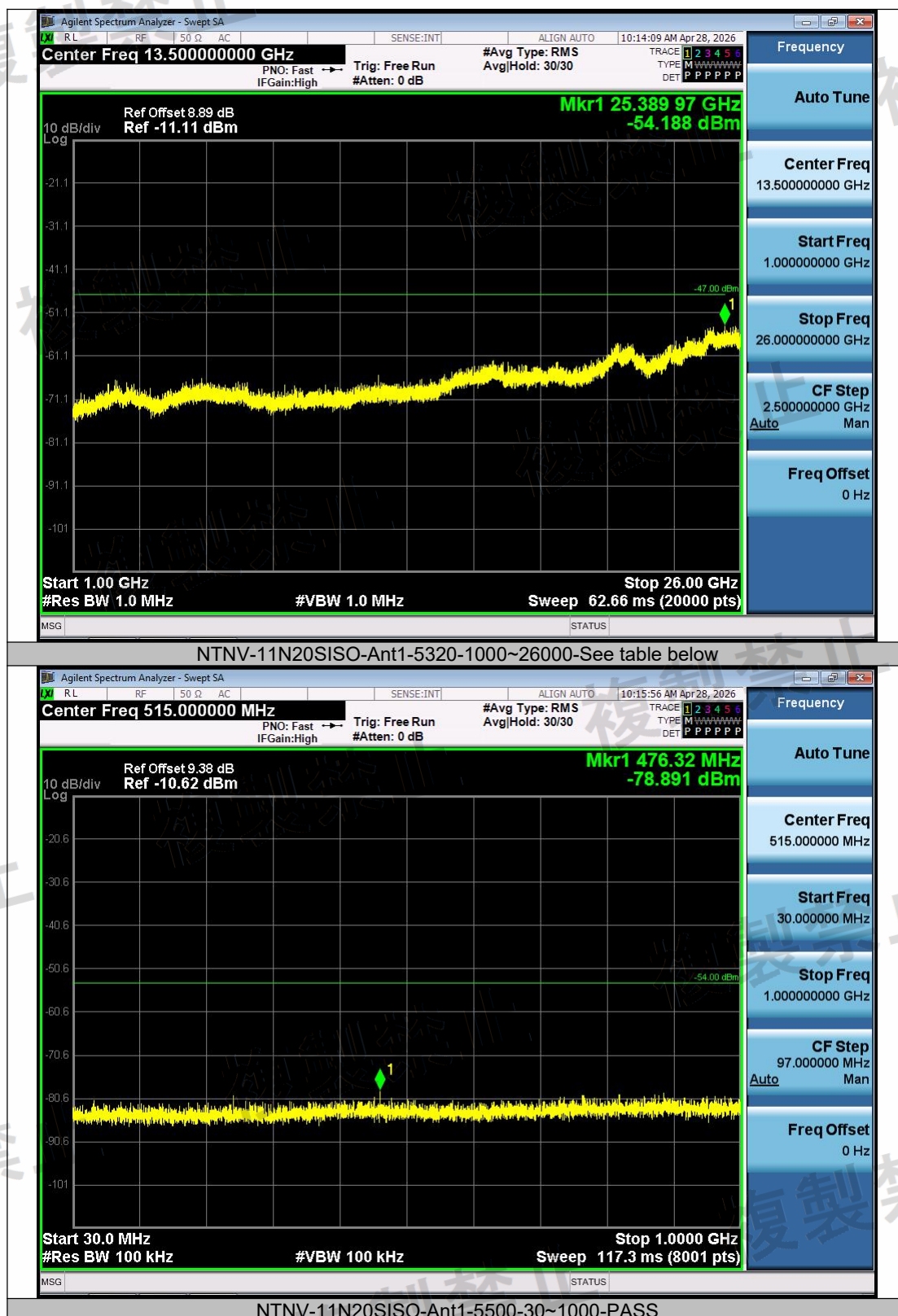


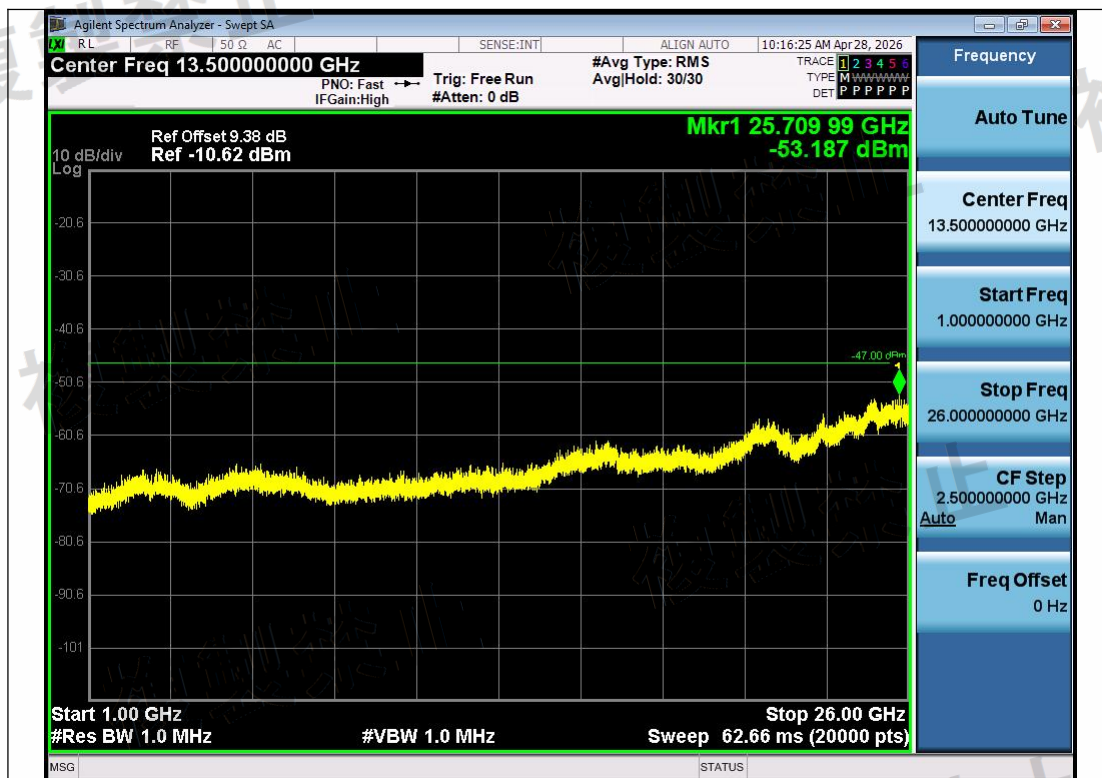
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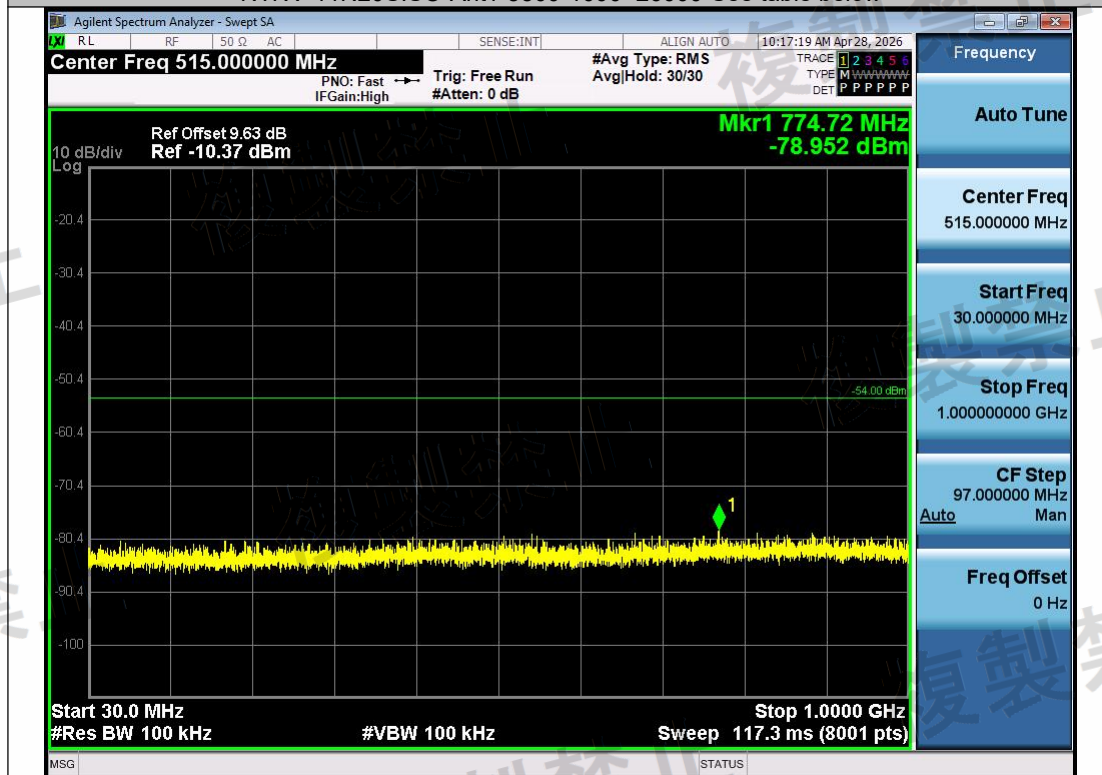
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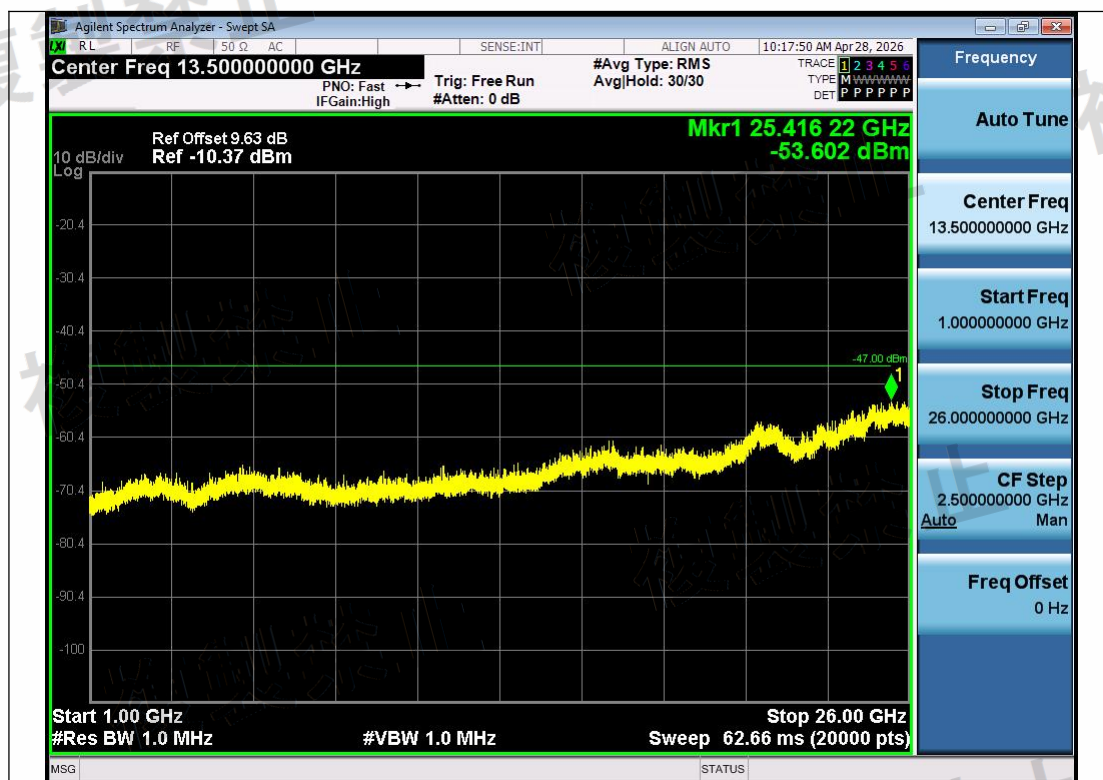




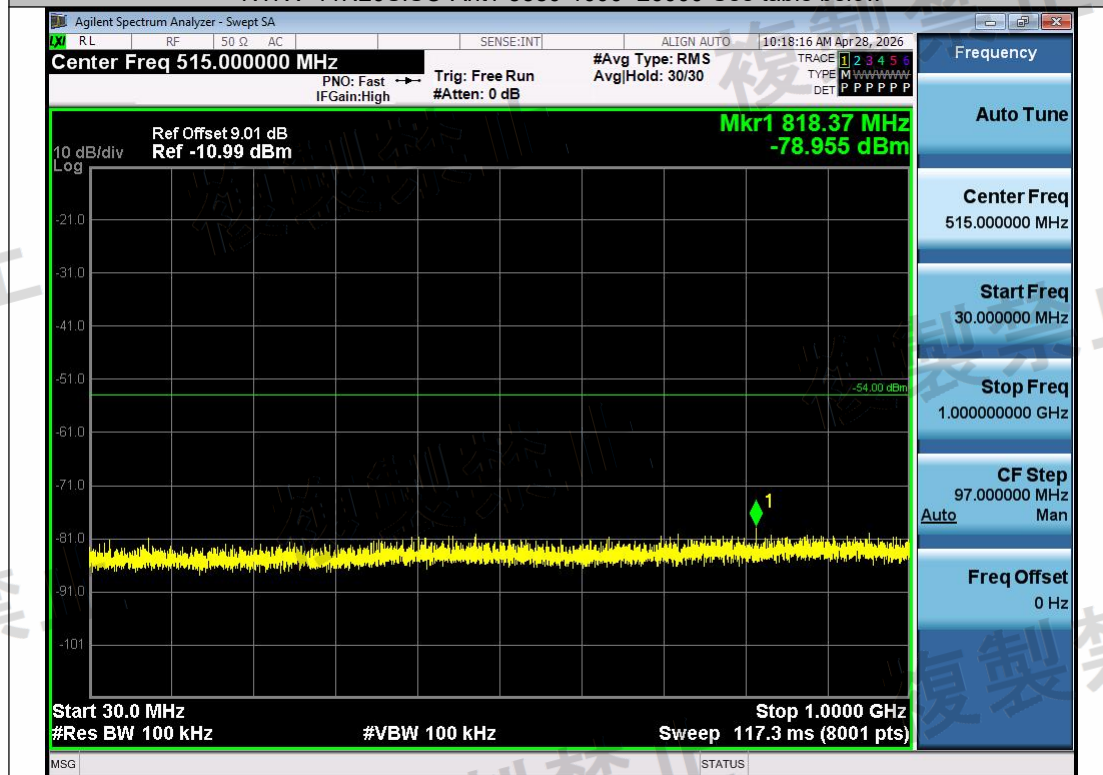
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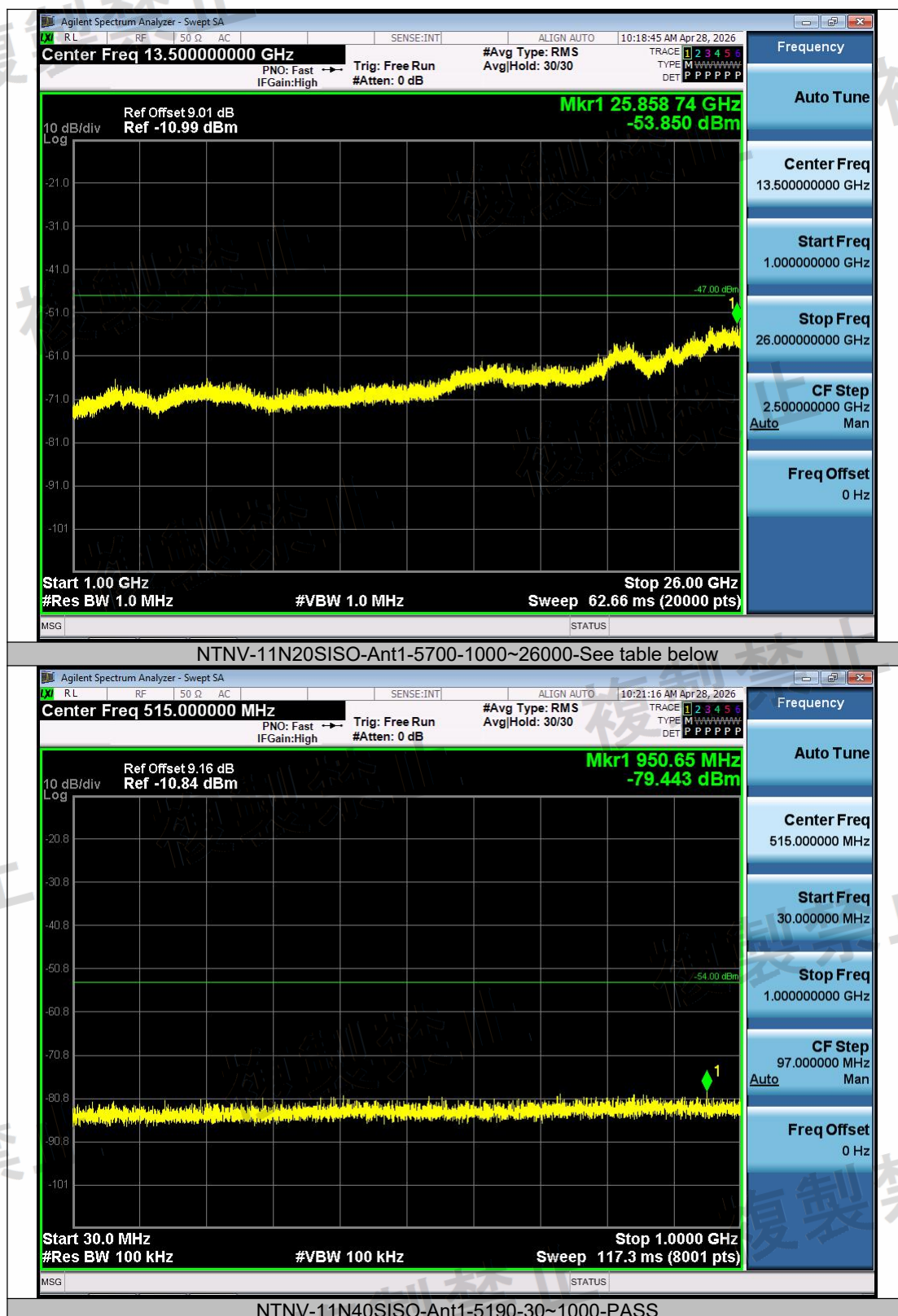
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NTNV-11N20SISO-Ant1-5580-1000~26000-See table below

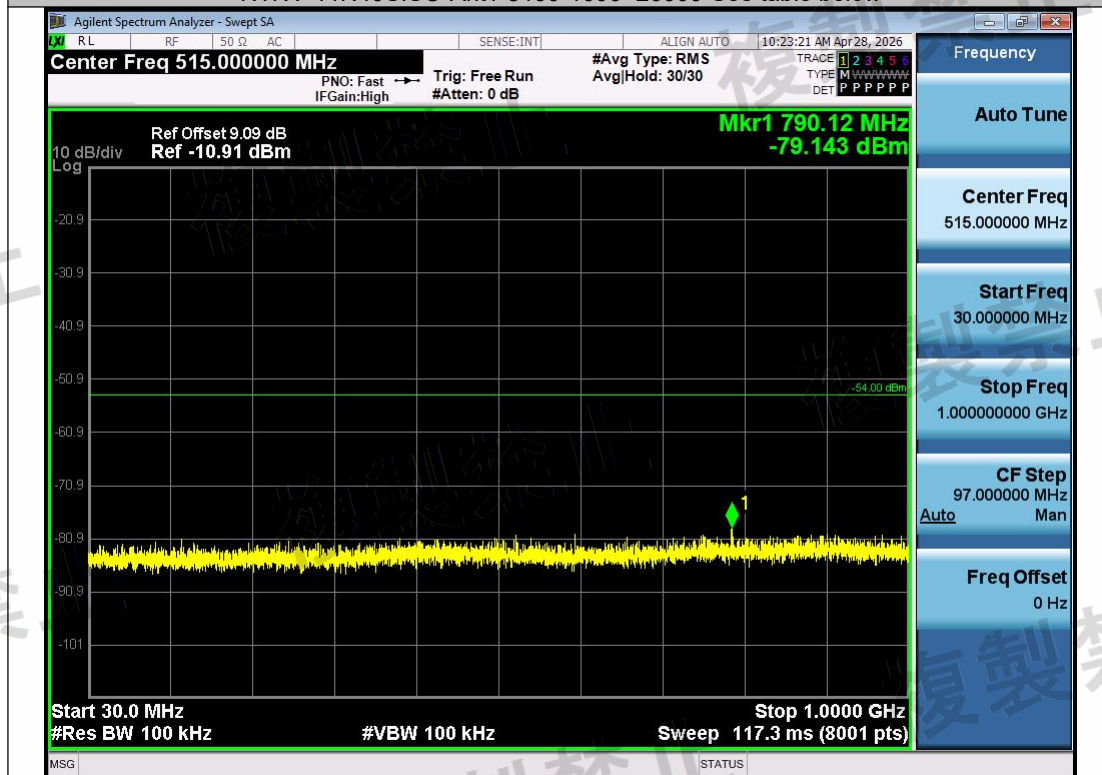


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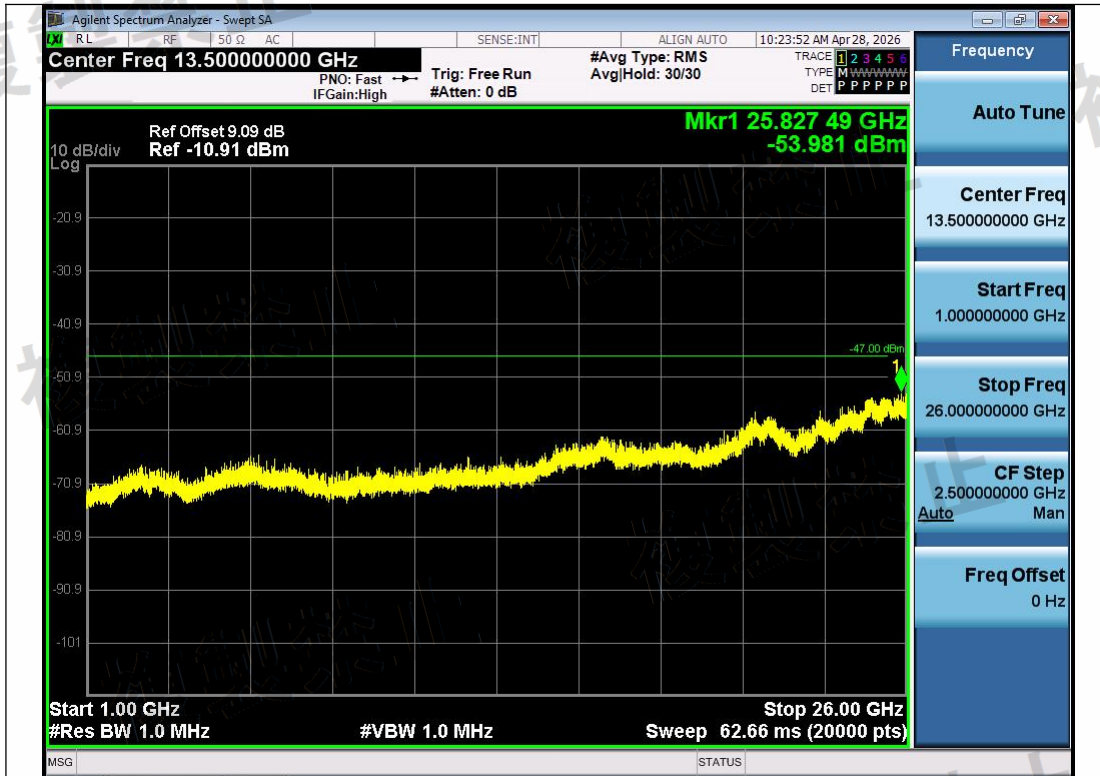




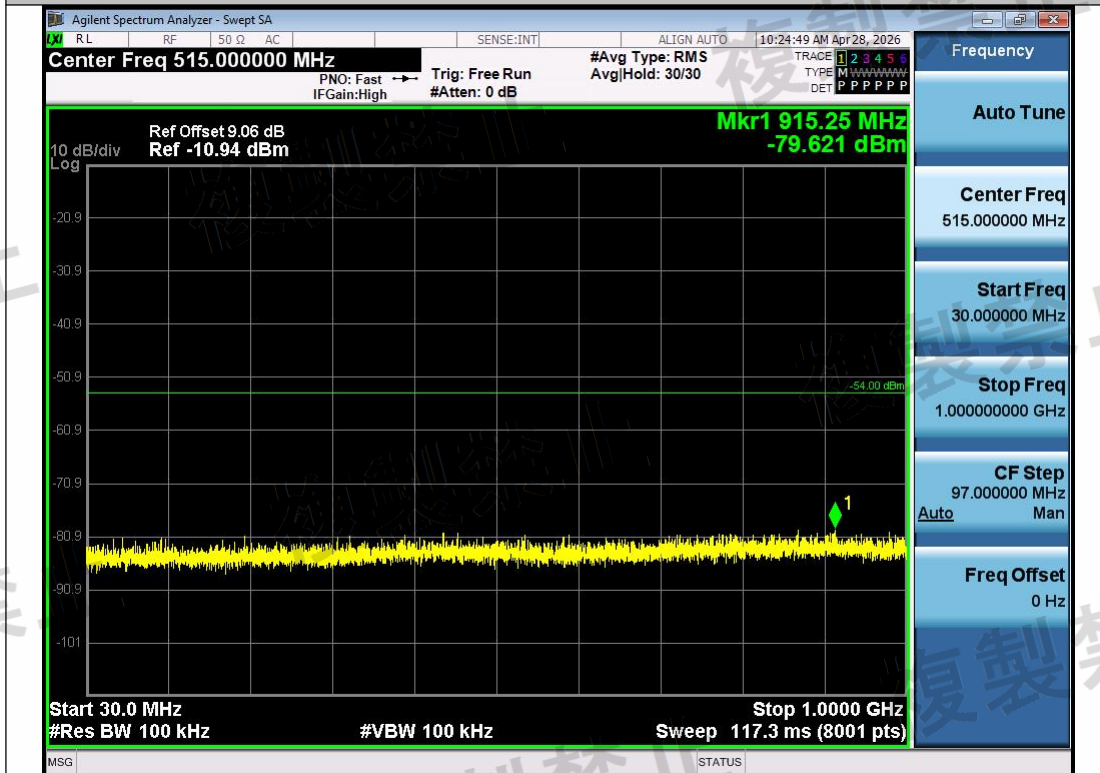
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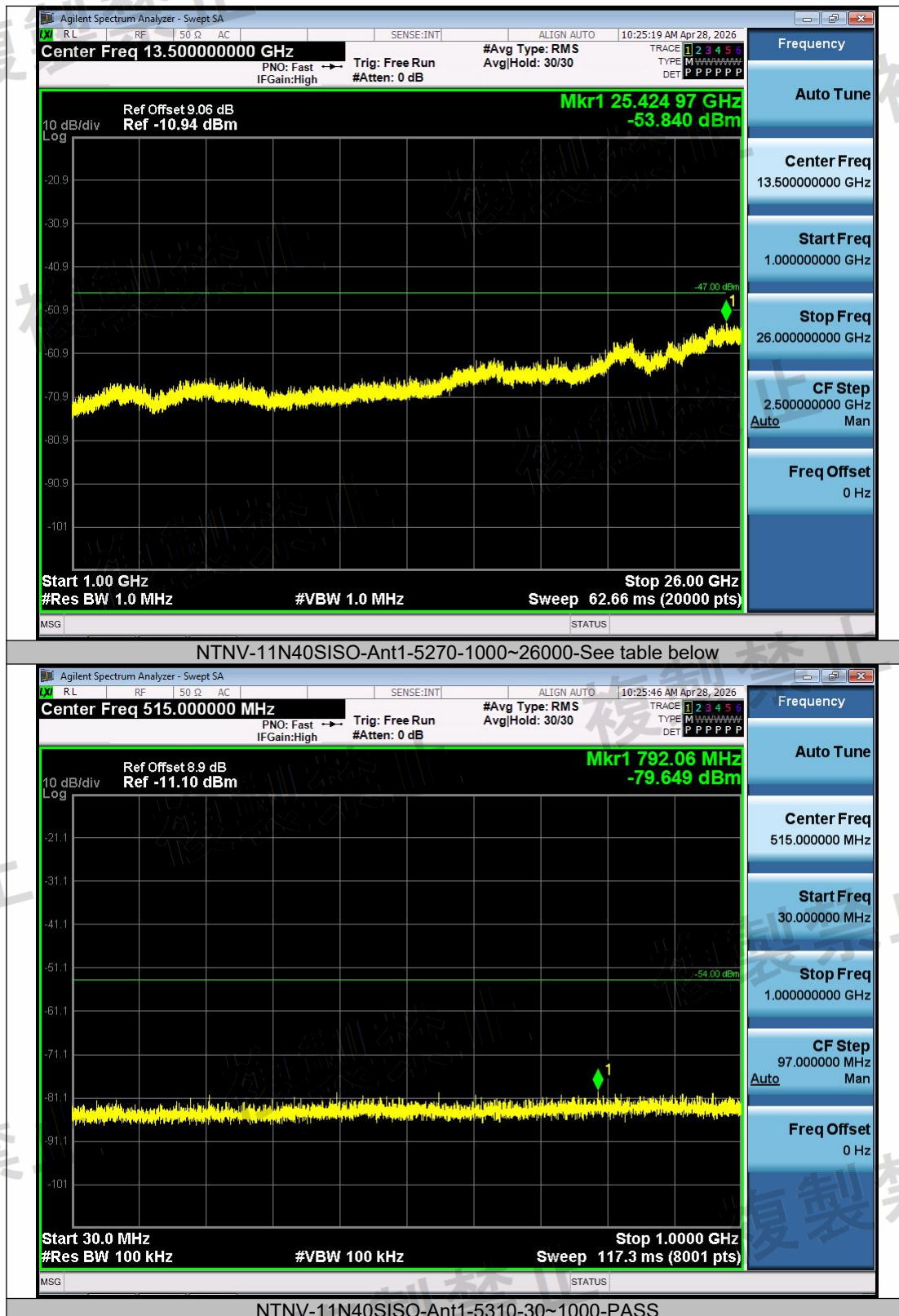
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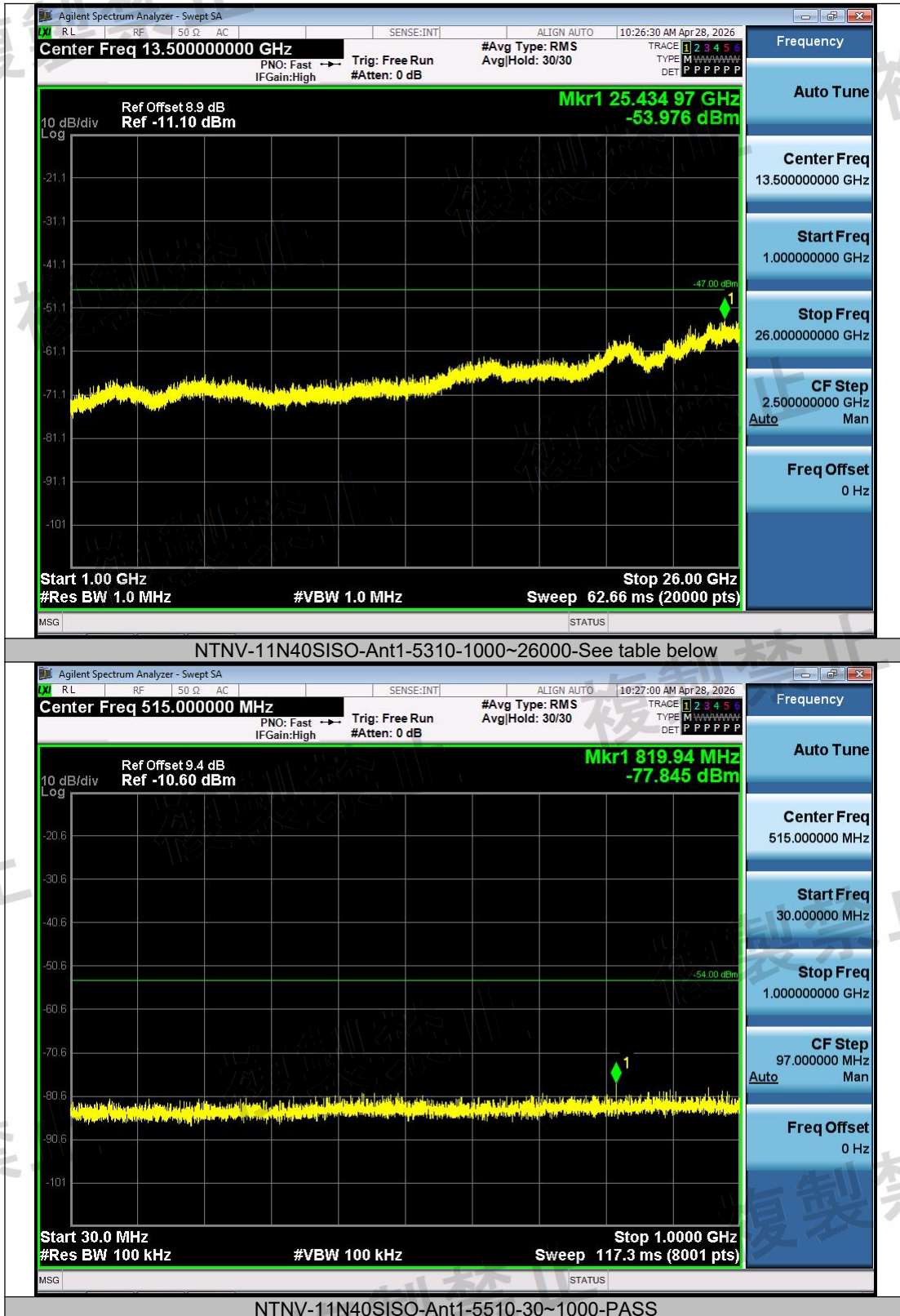


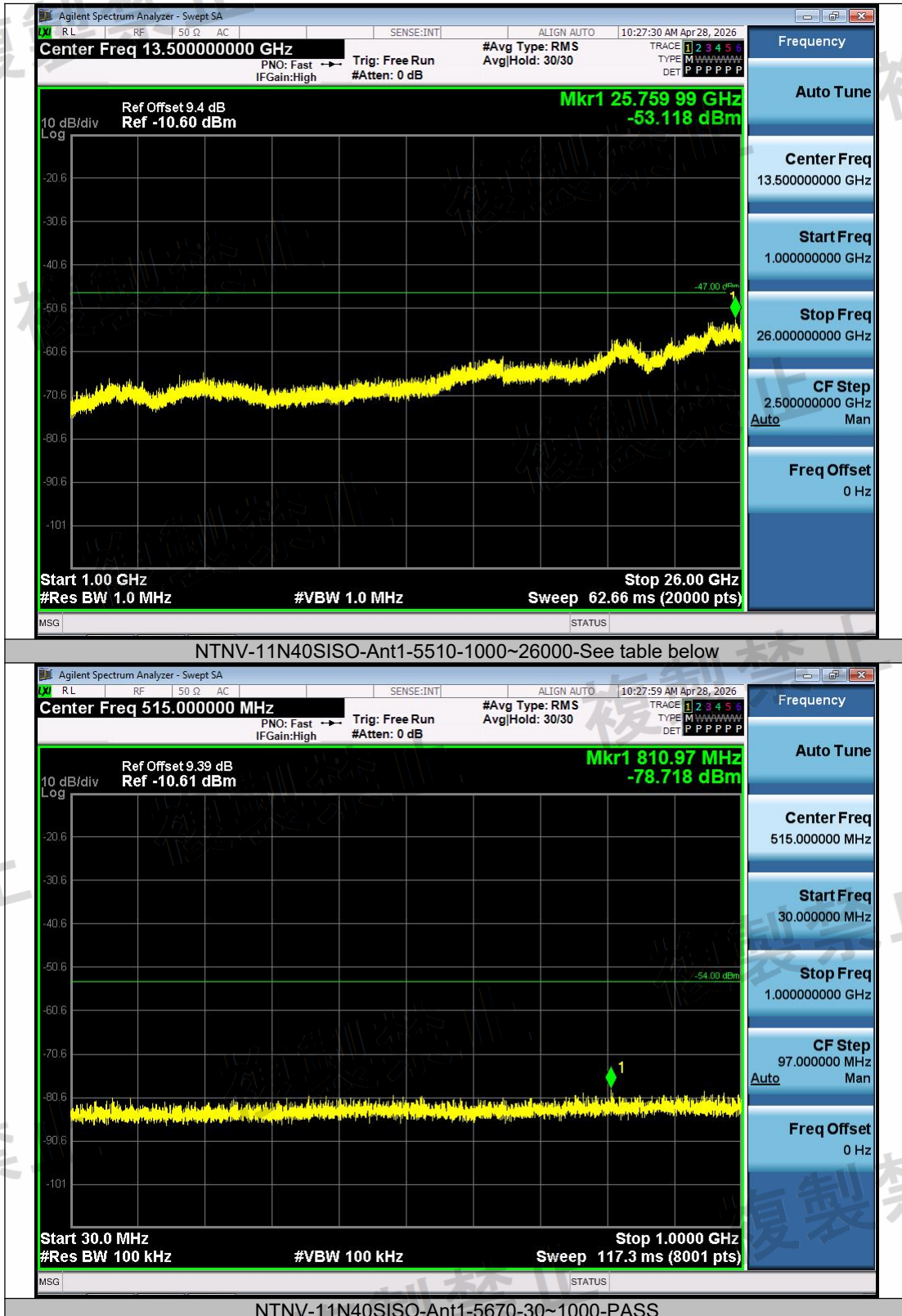
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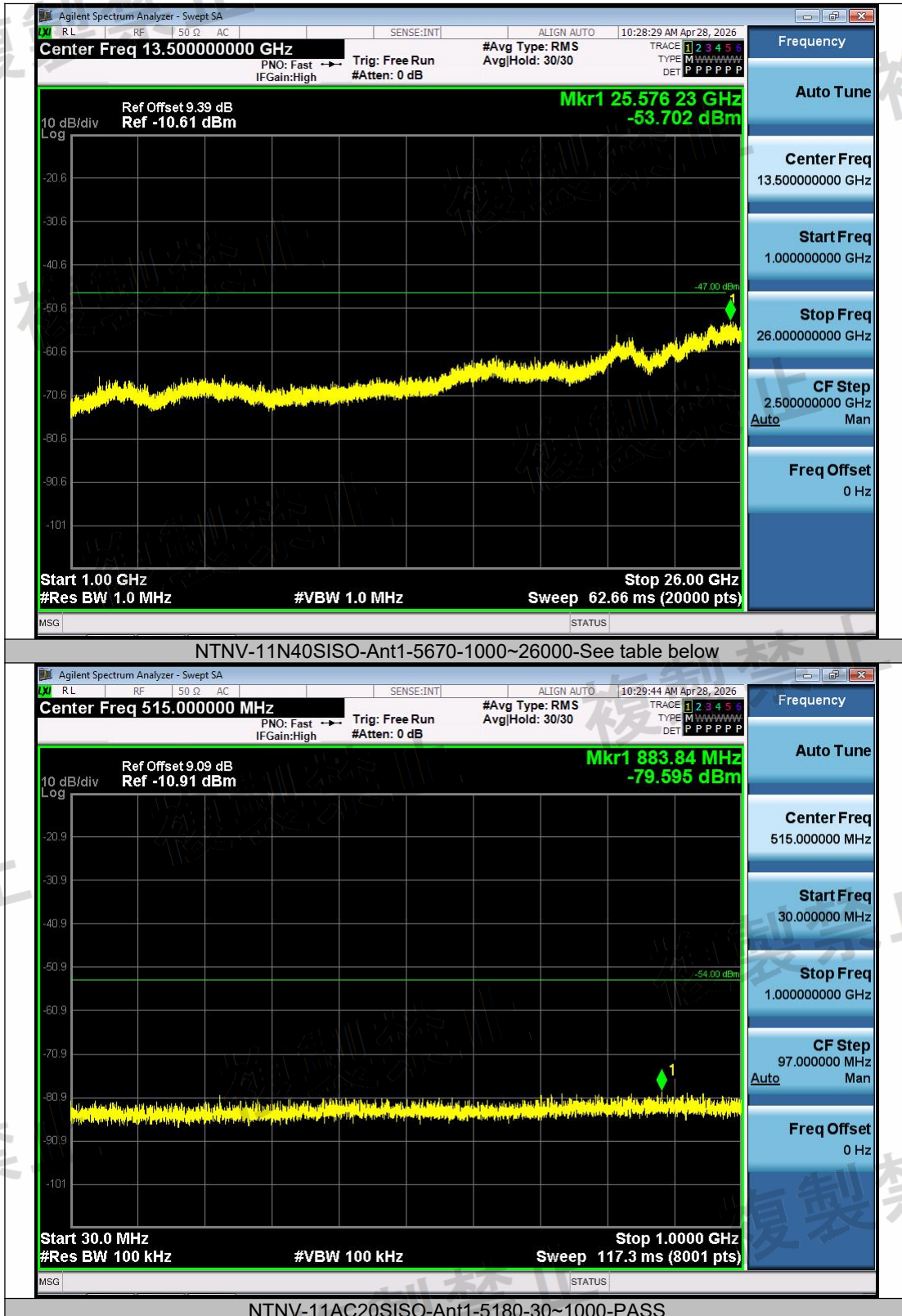


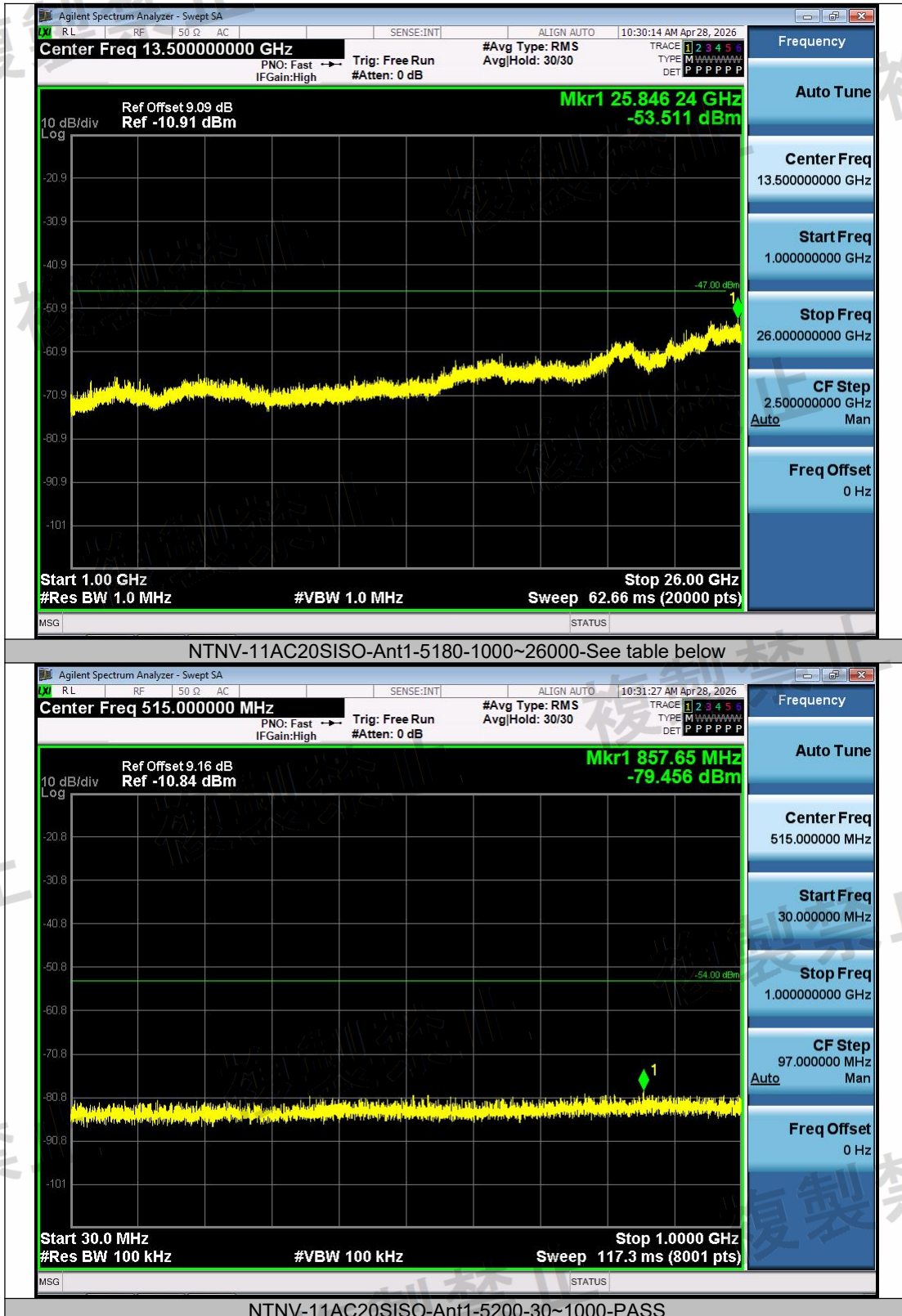
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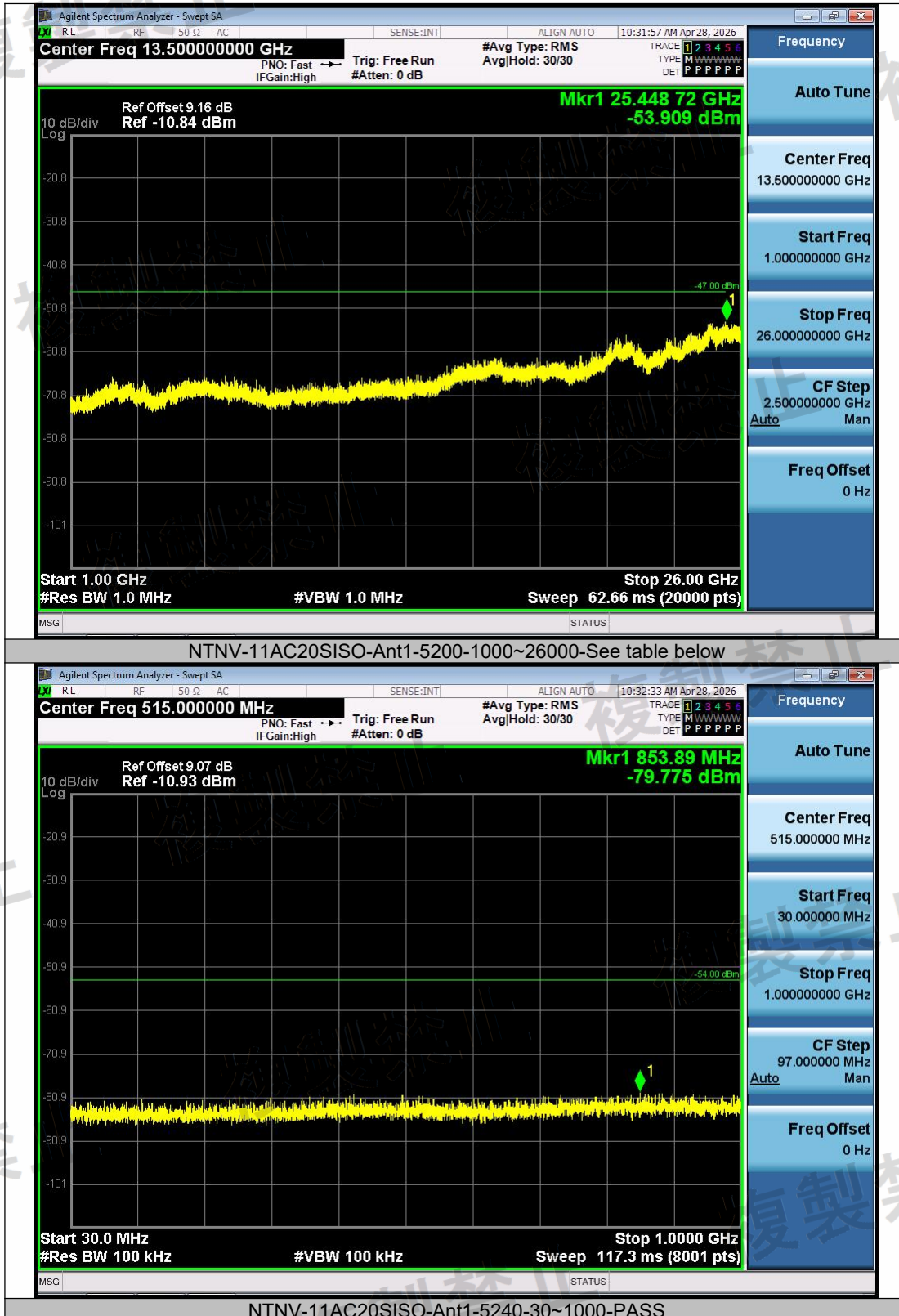


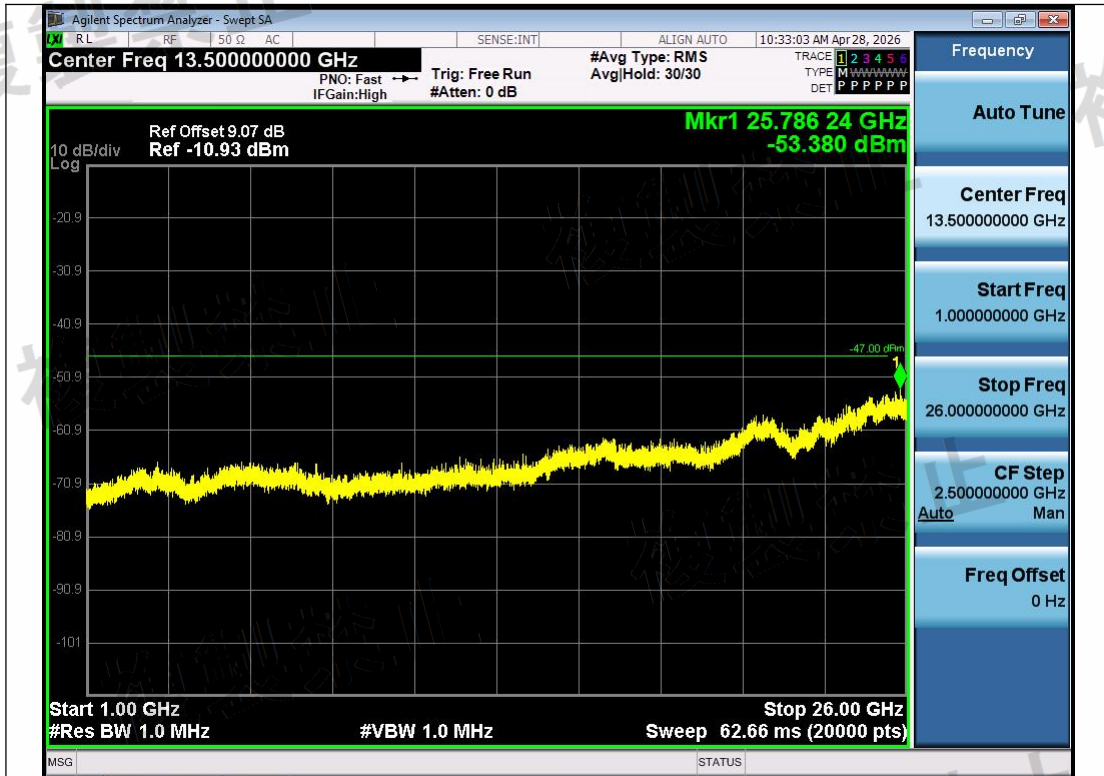




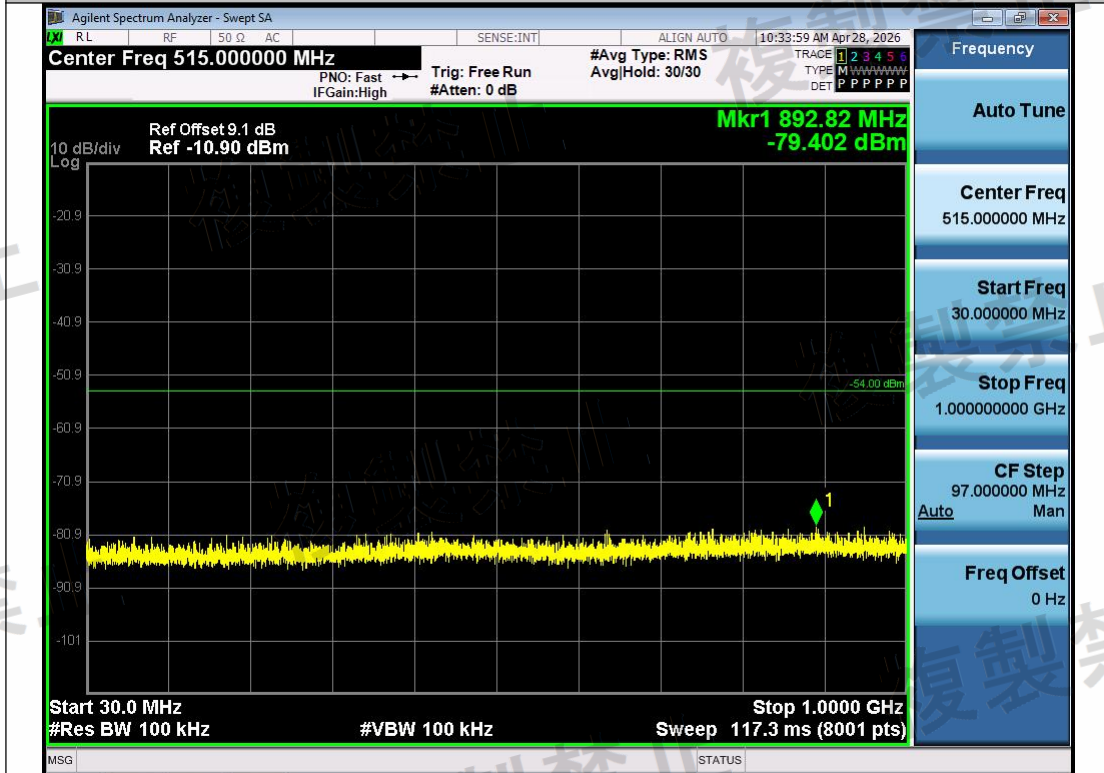




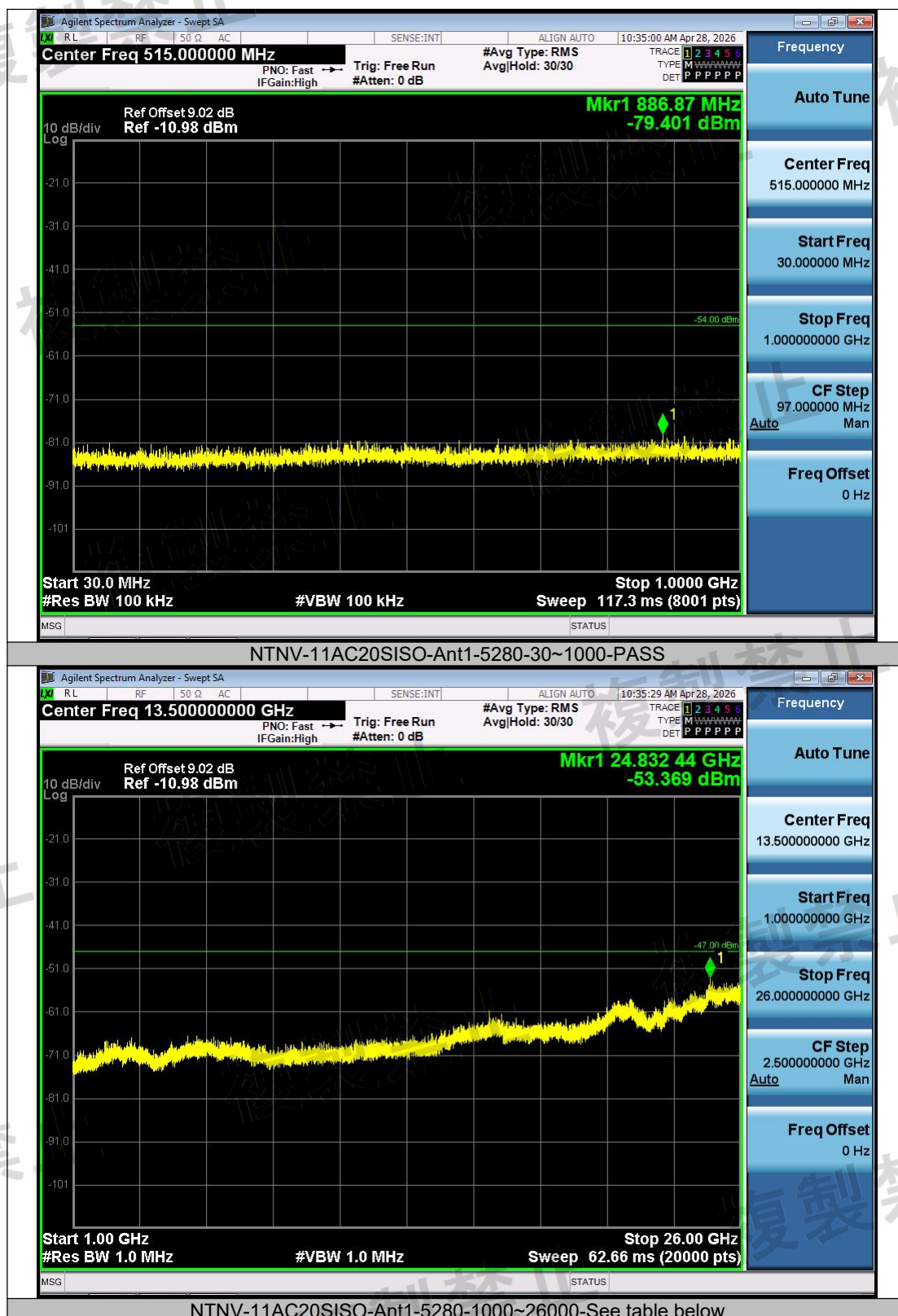


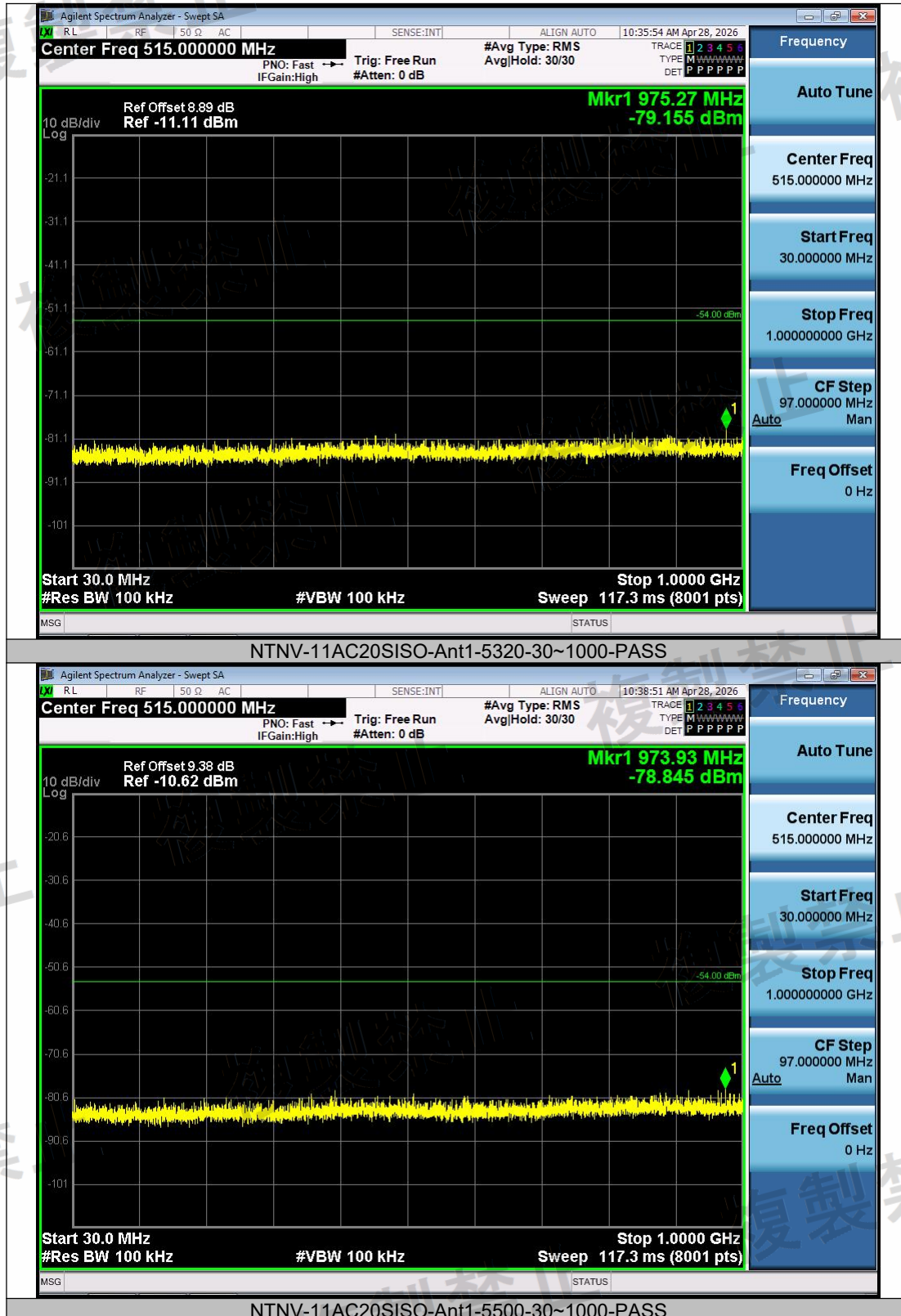


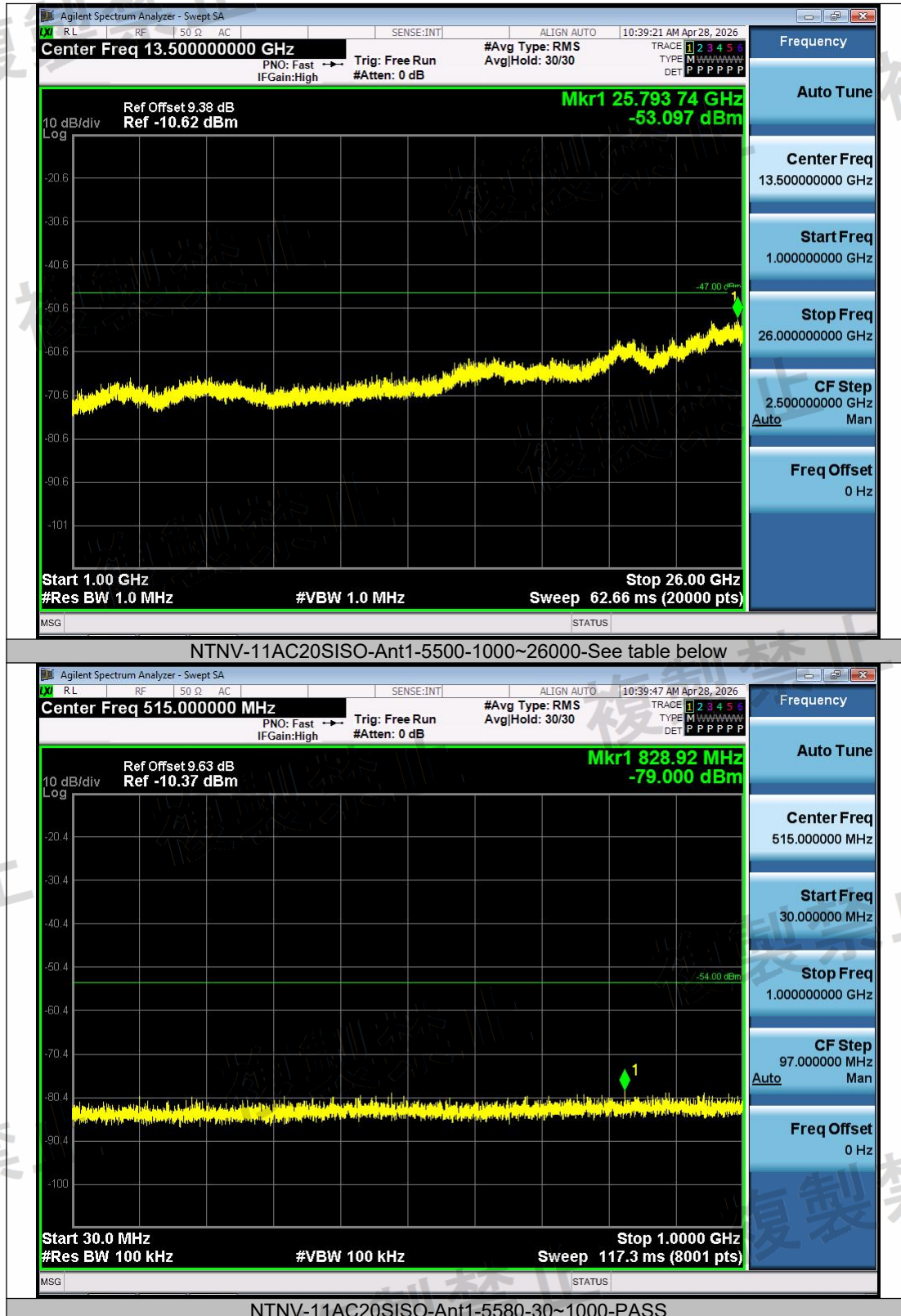
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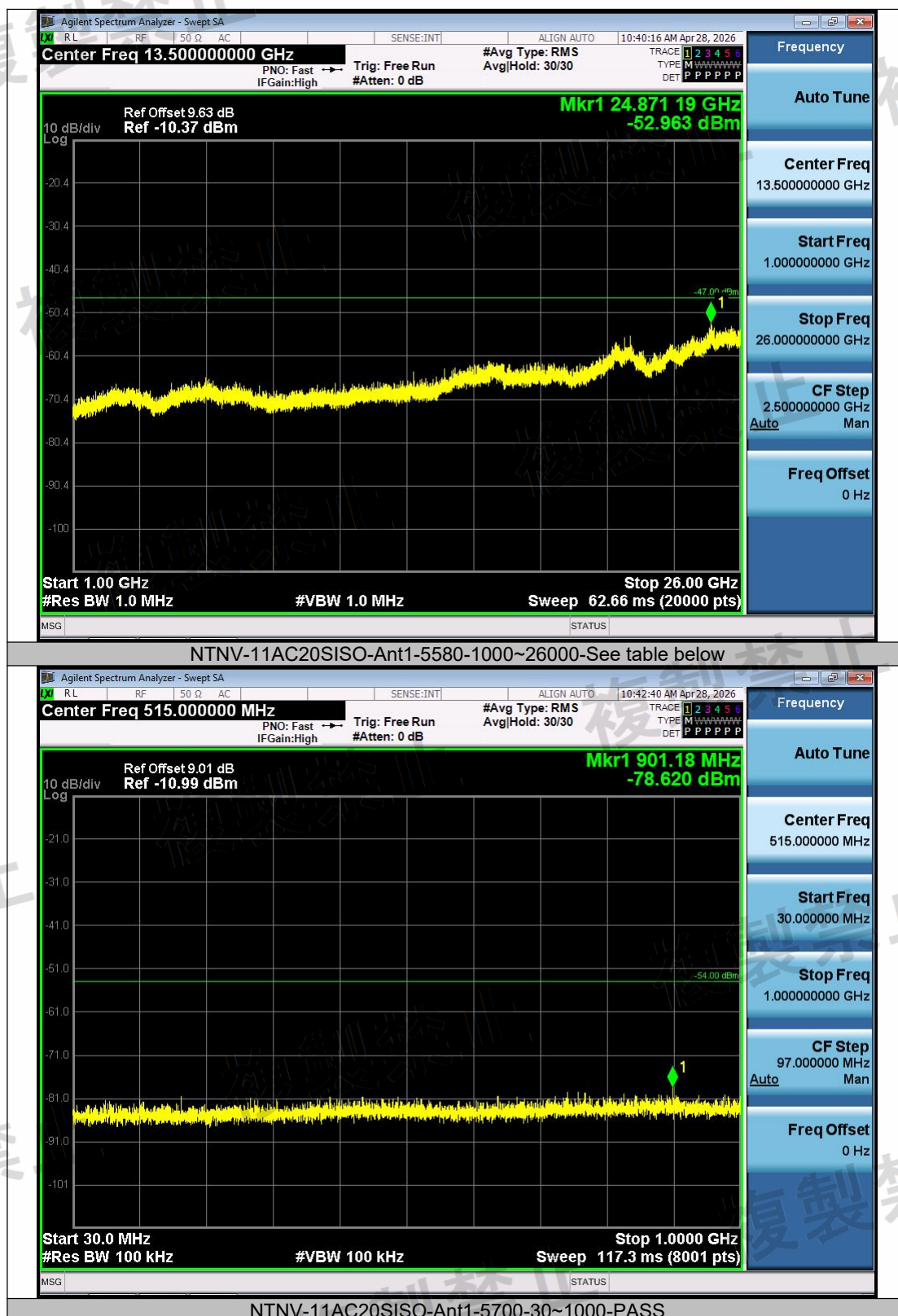


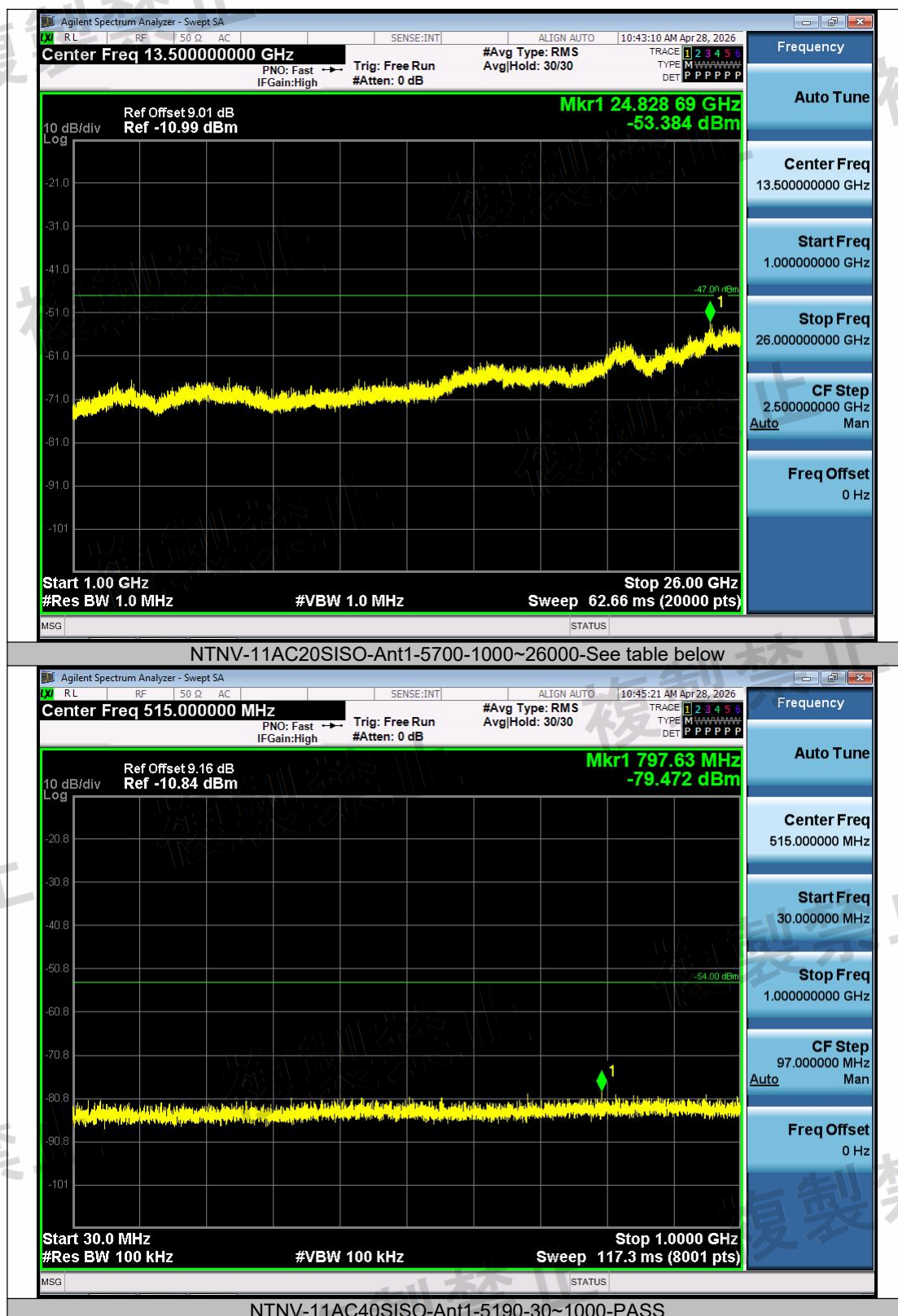
NTNV-11AC20SISO-Ant1-5260-30~1000-PASS





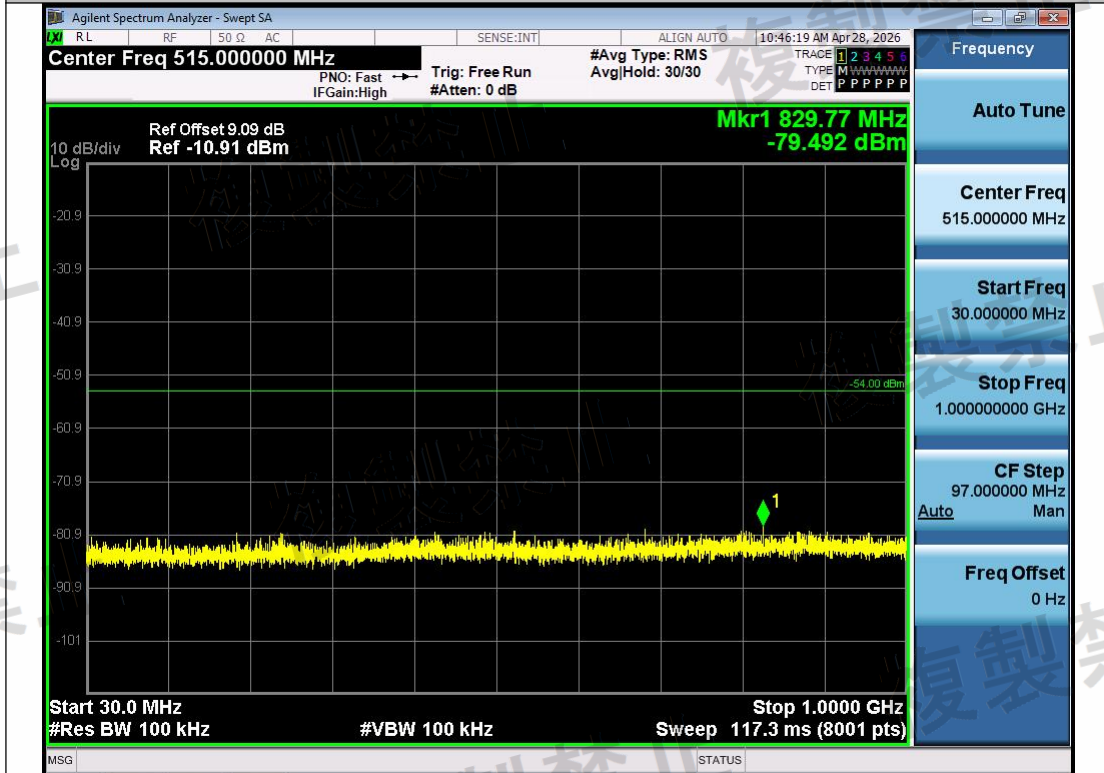




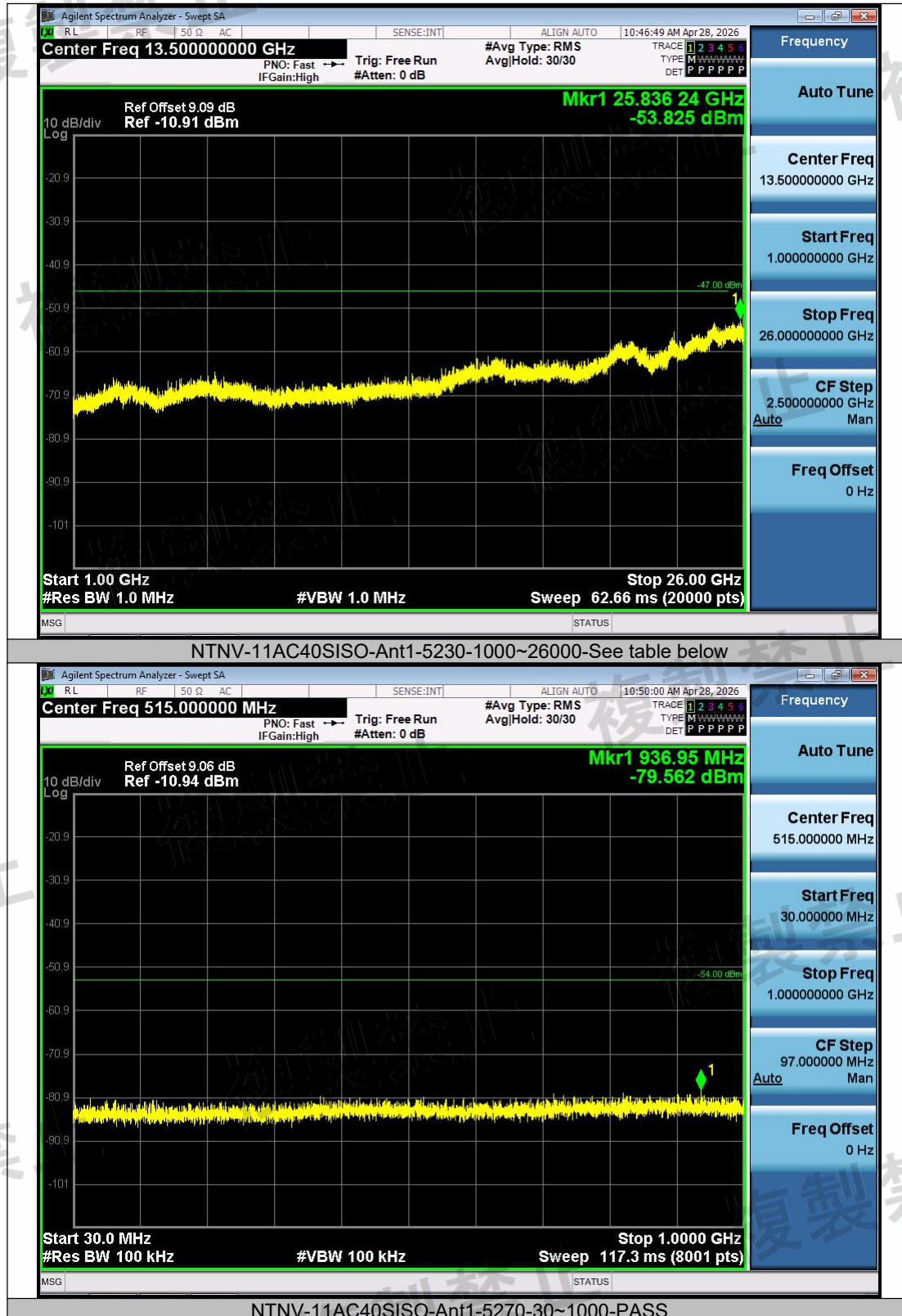




NTNV-11AC40SISO-Ant1-5190-1000~26000-See table below

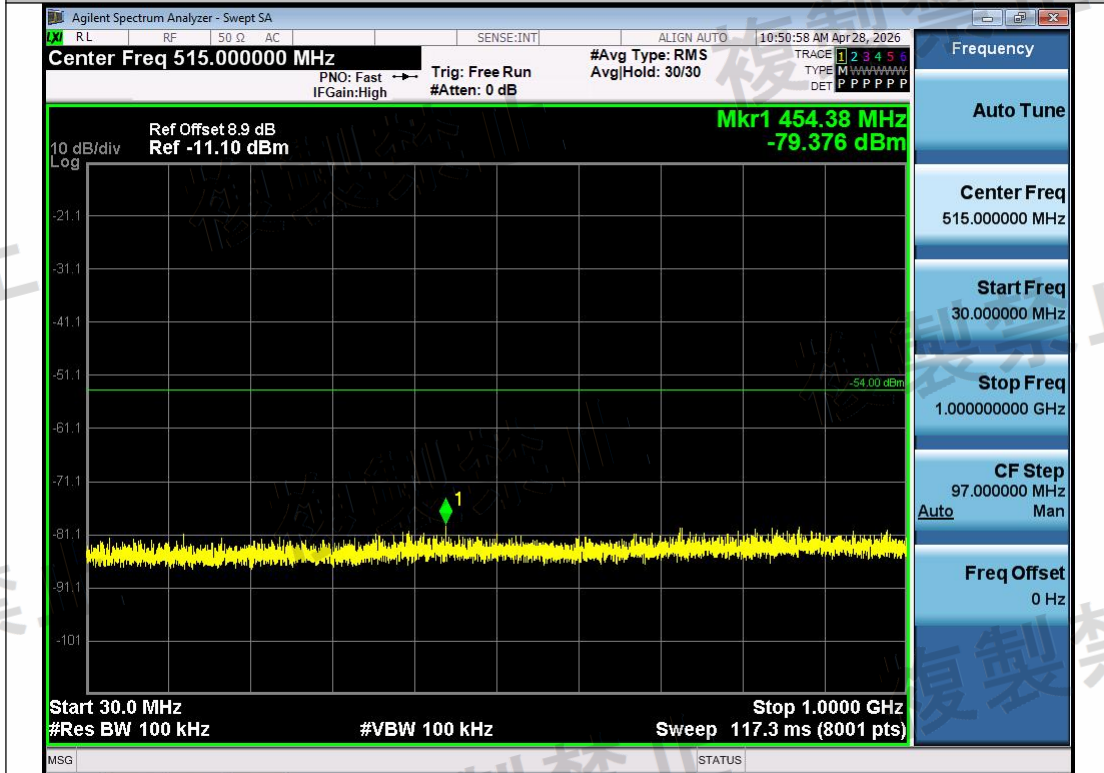


NTNV-11AC40SISO-Ant1-5230-30~1000-PASS





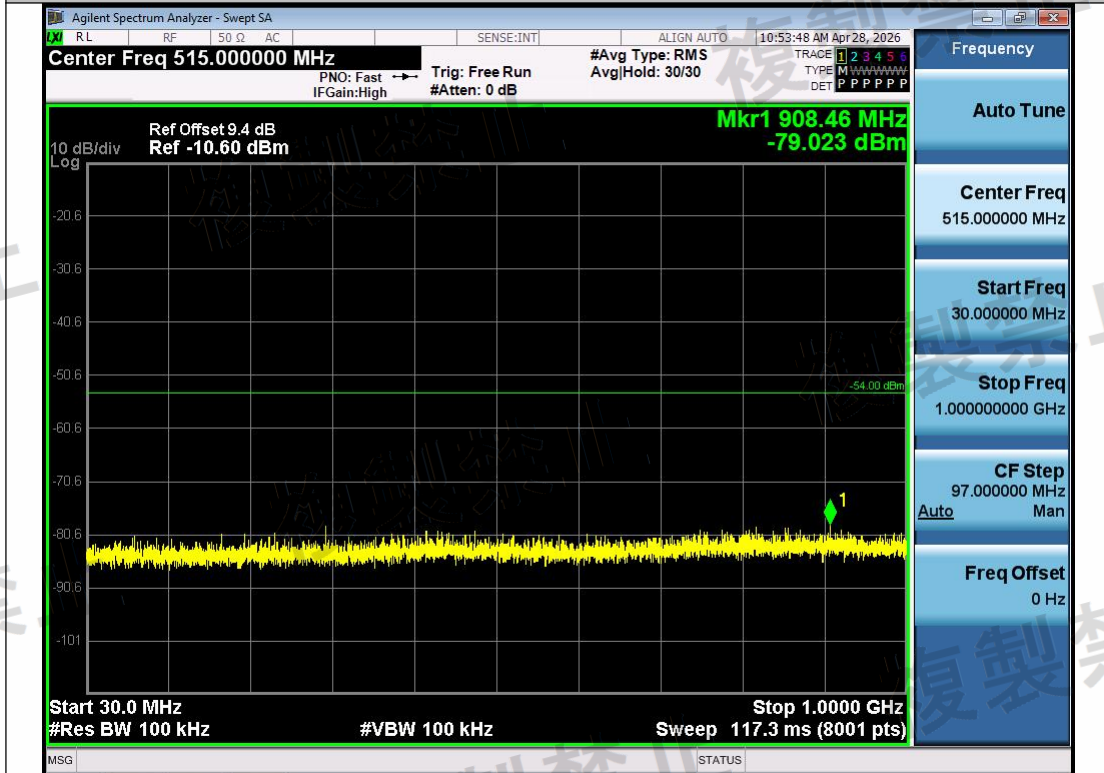
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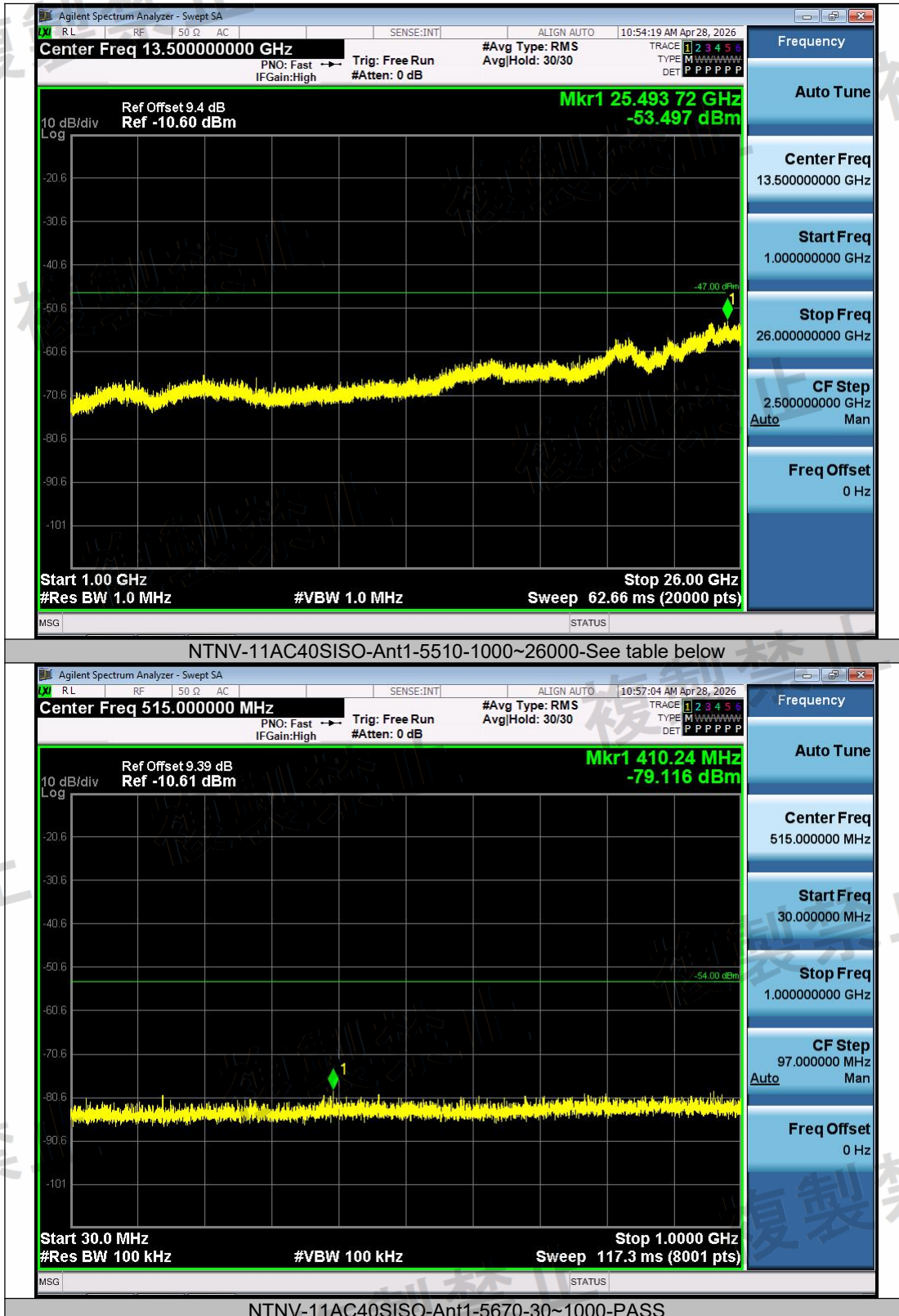
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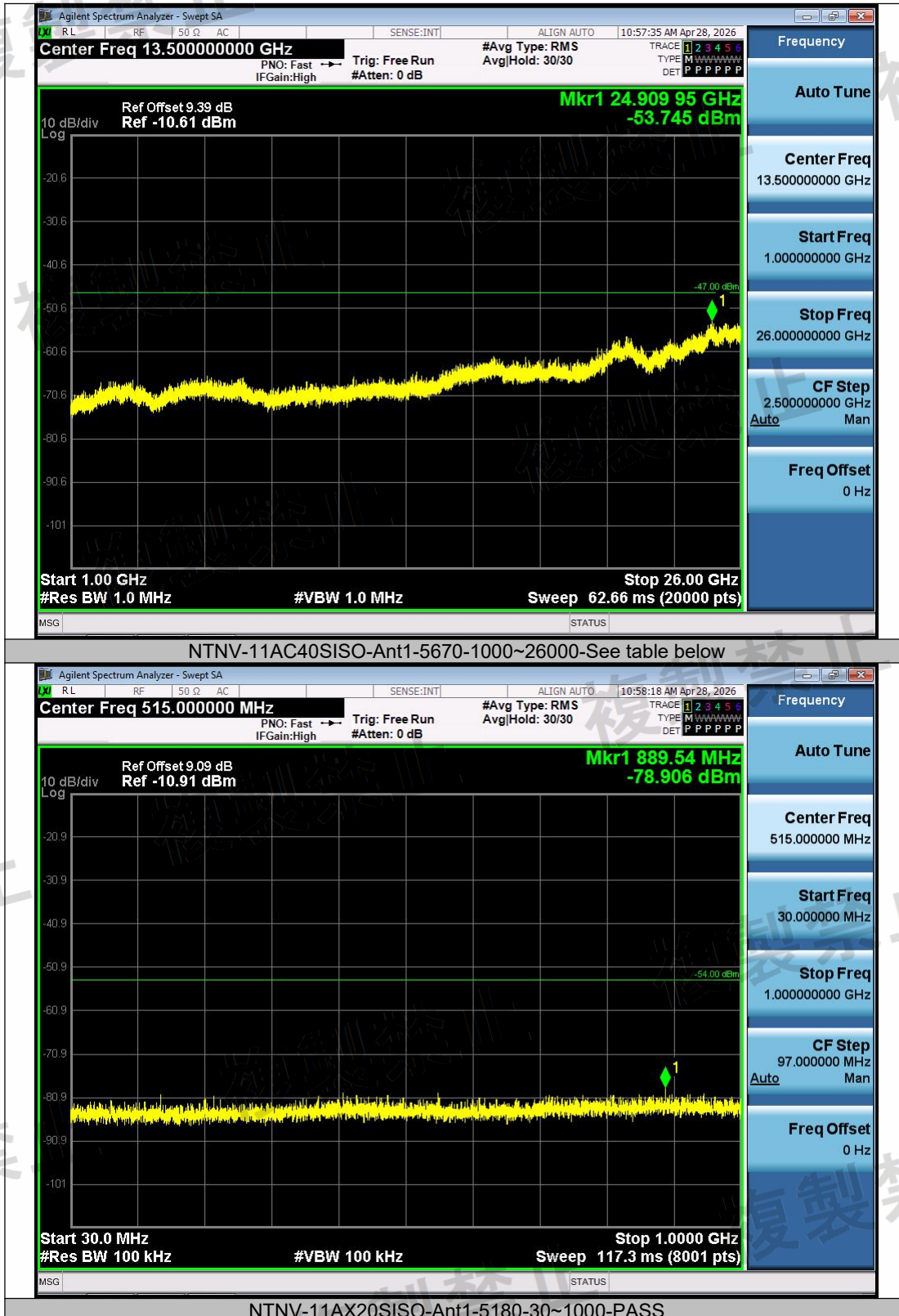


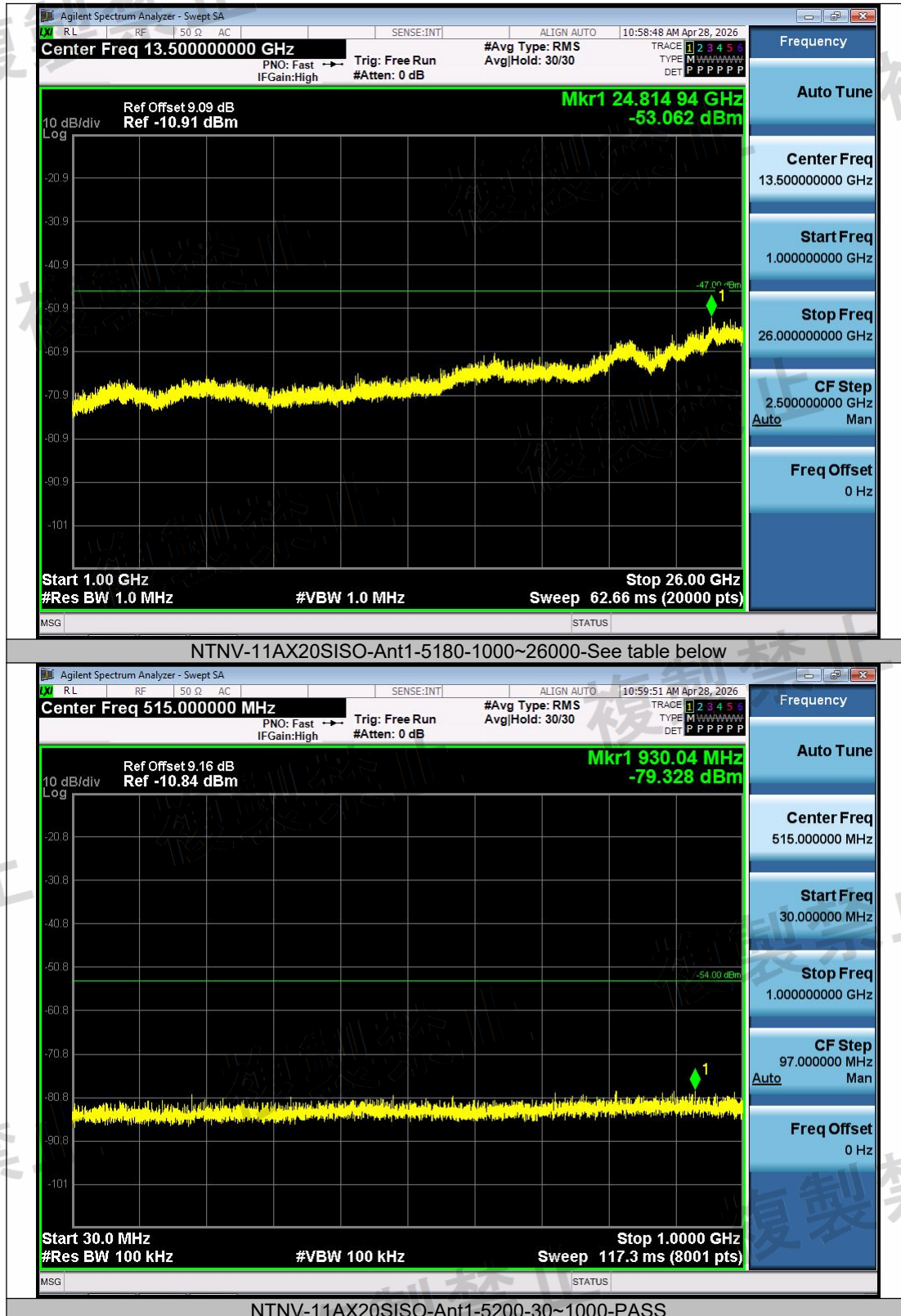
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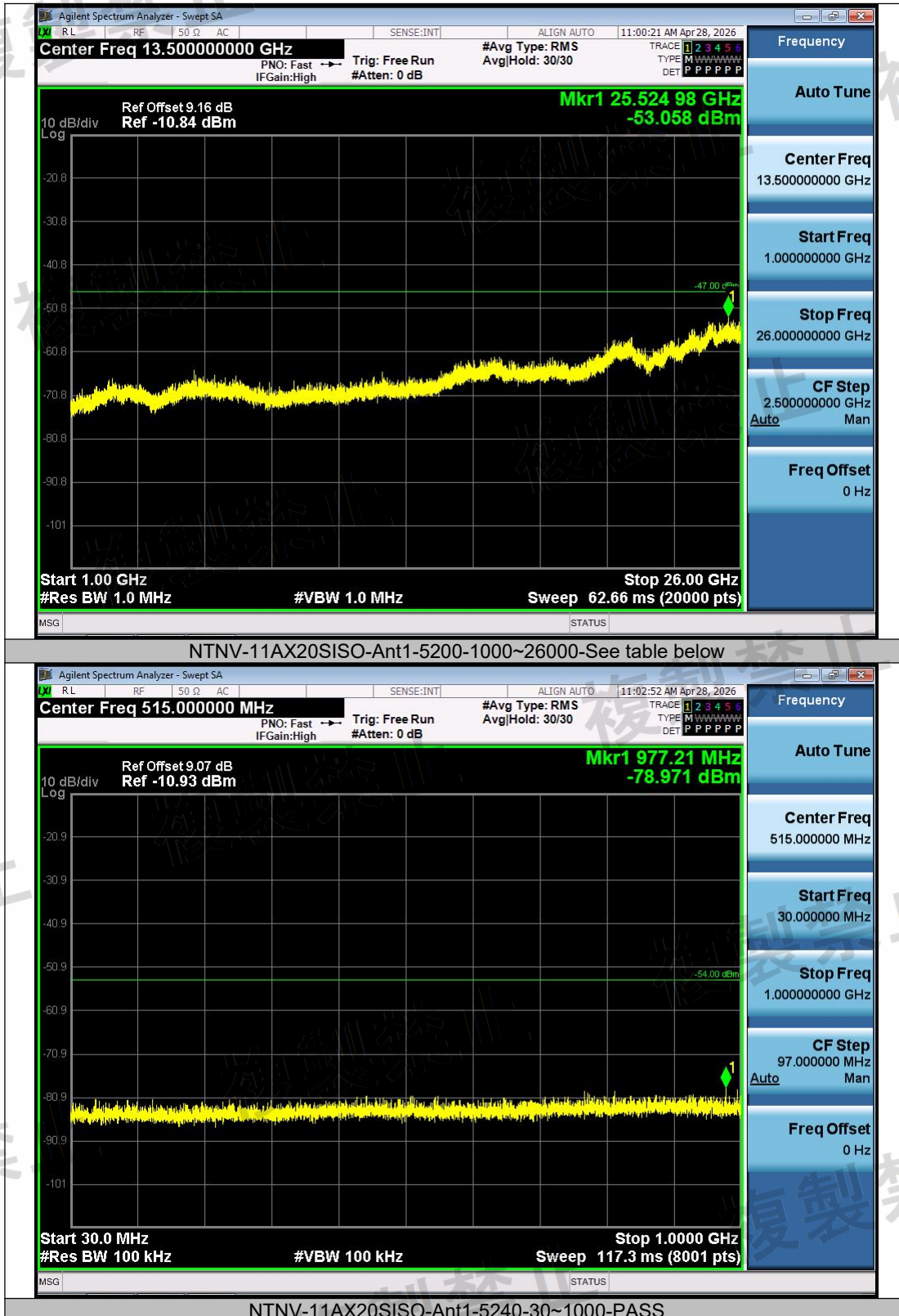


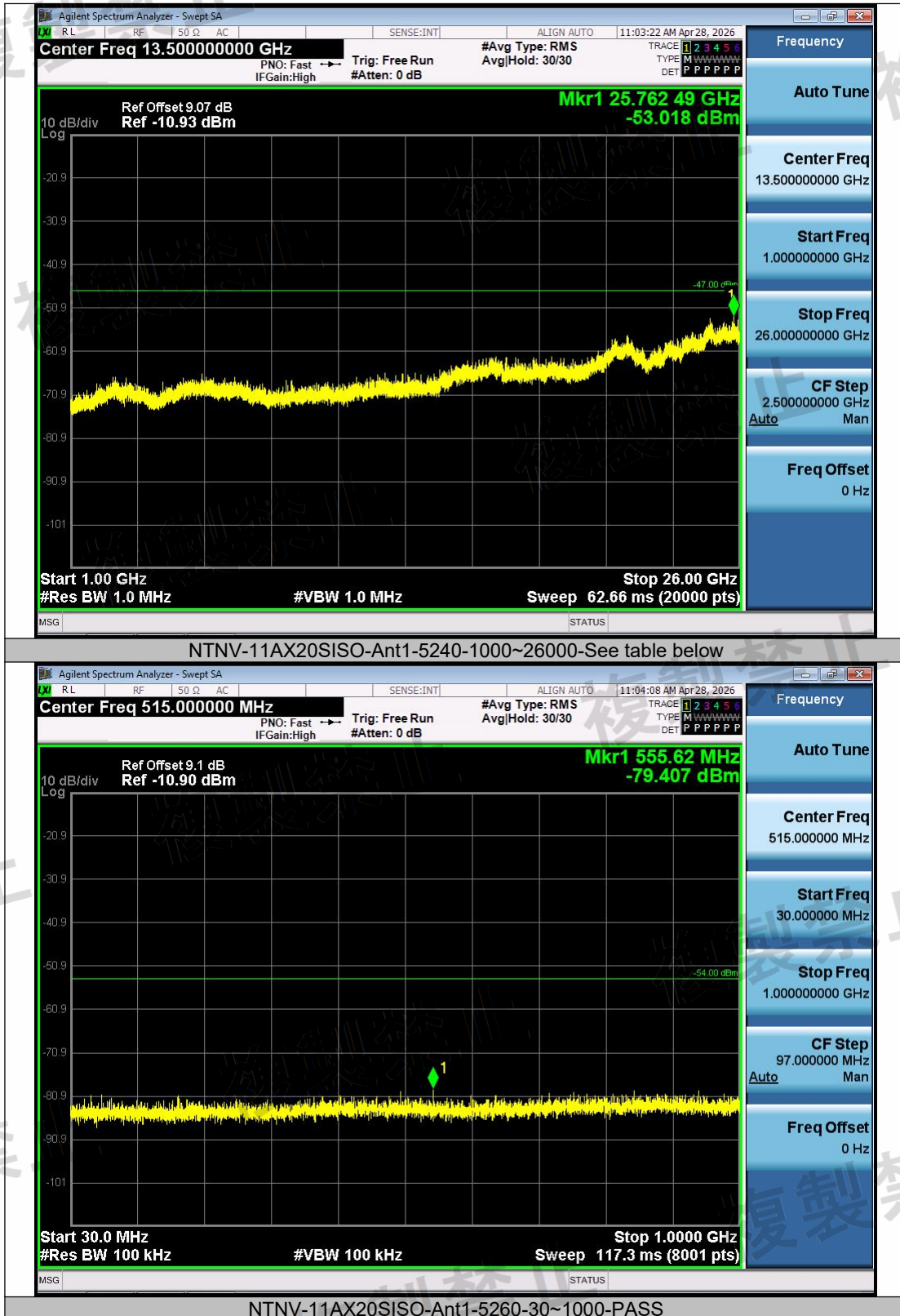
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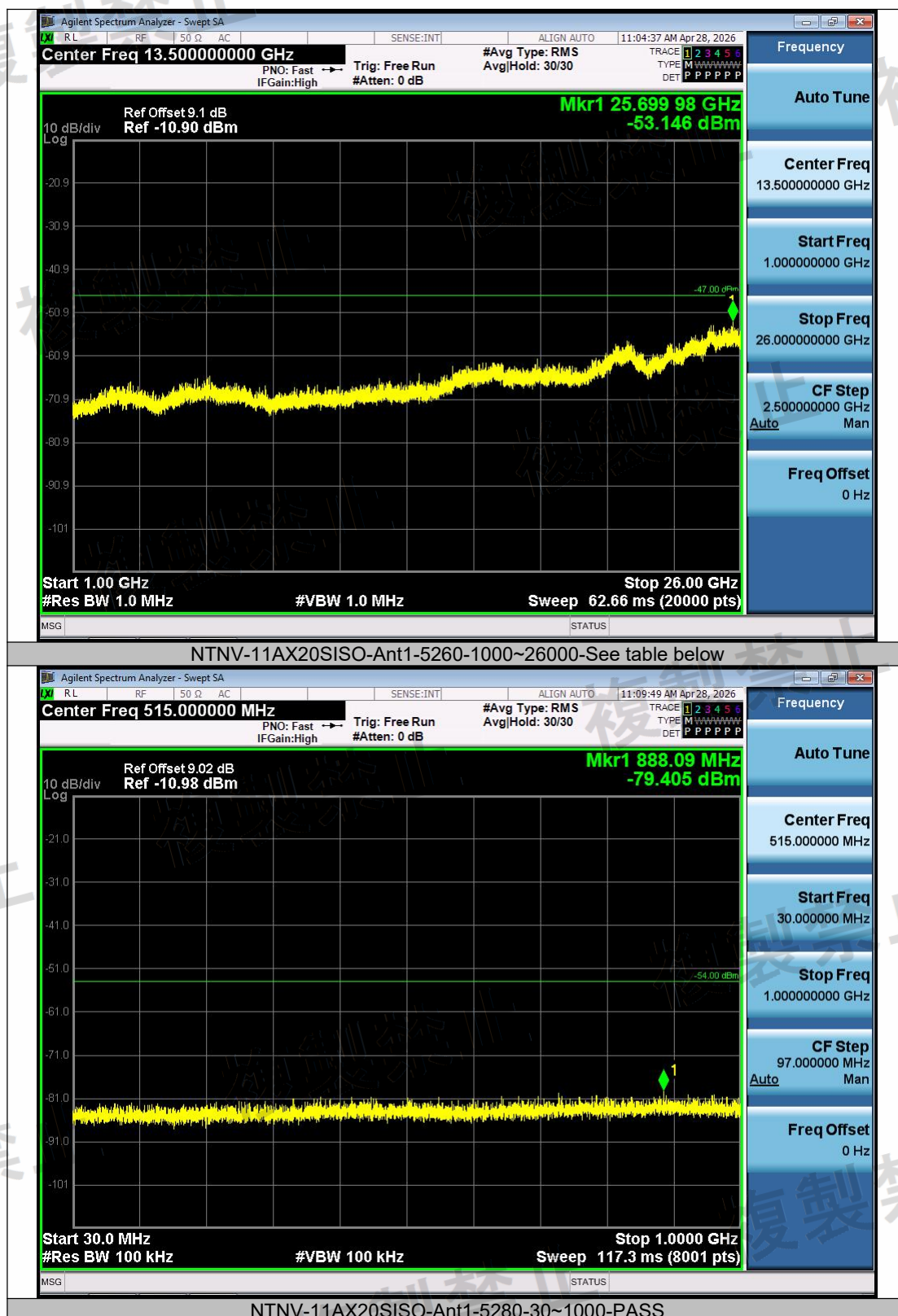






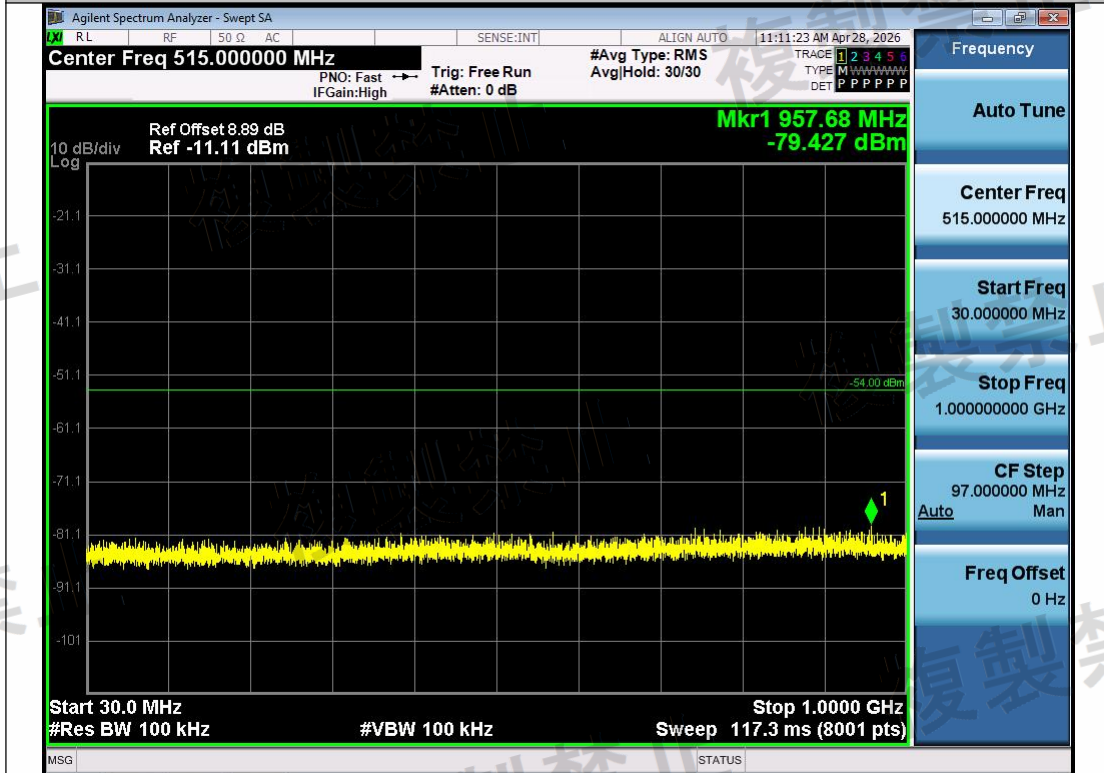








NTNV-11AX20SISO-Ant1-5280-1000~26000-See table below



NTNV-11AX20SISO-Ant1-5320-30~1000-PASS

