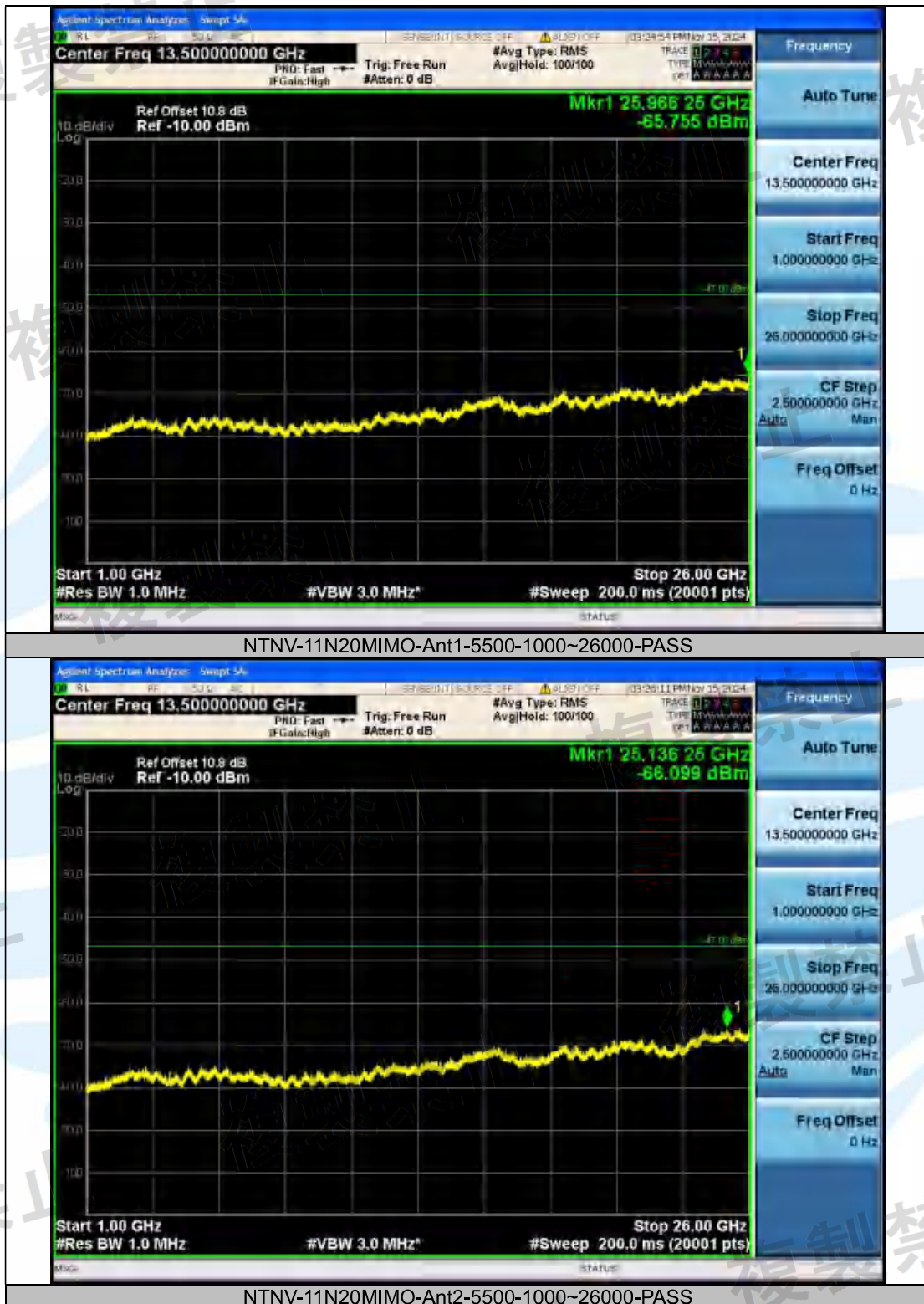


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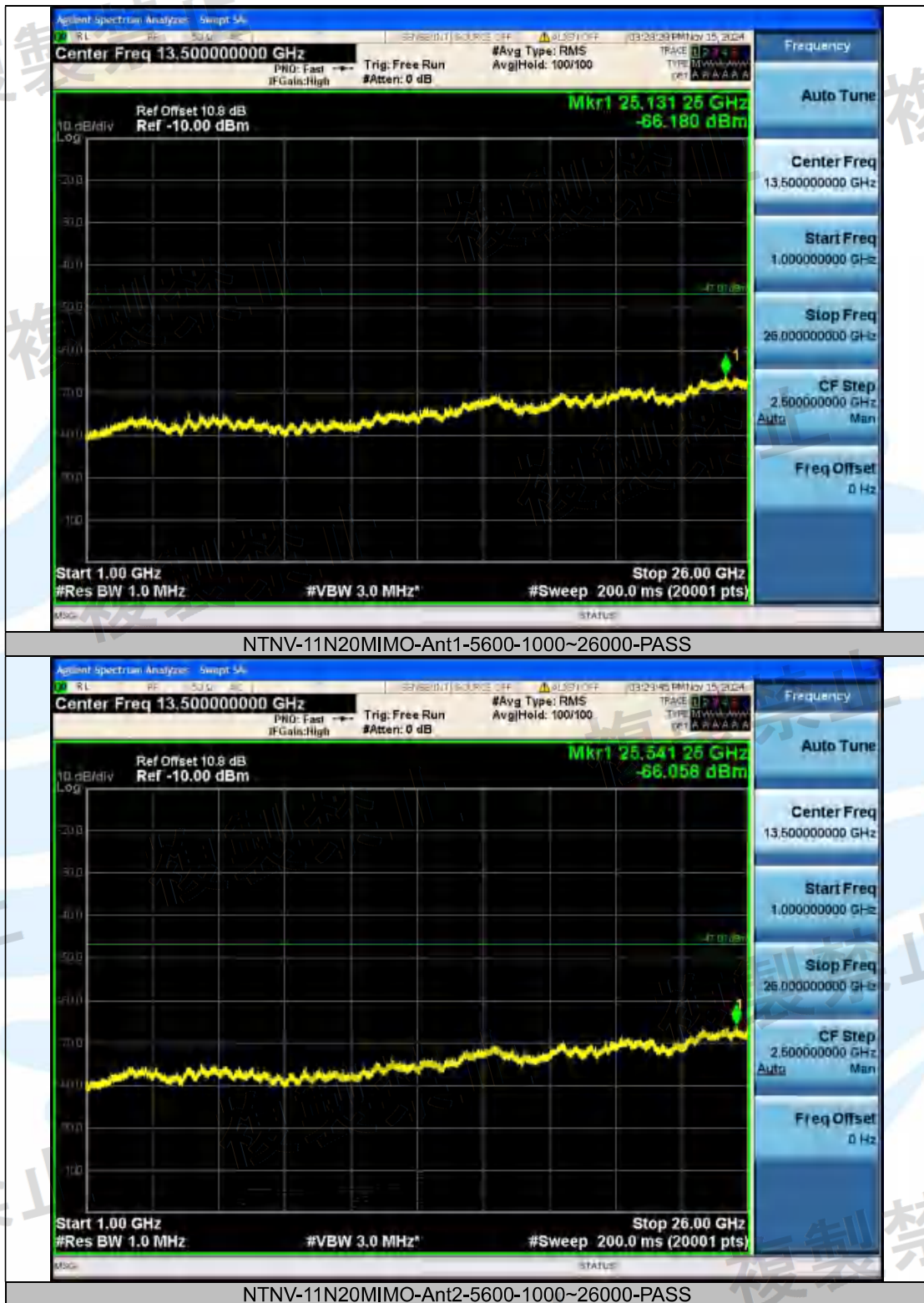
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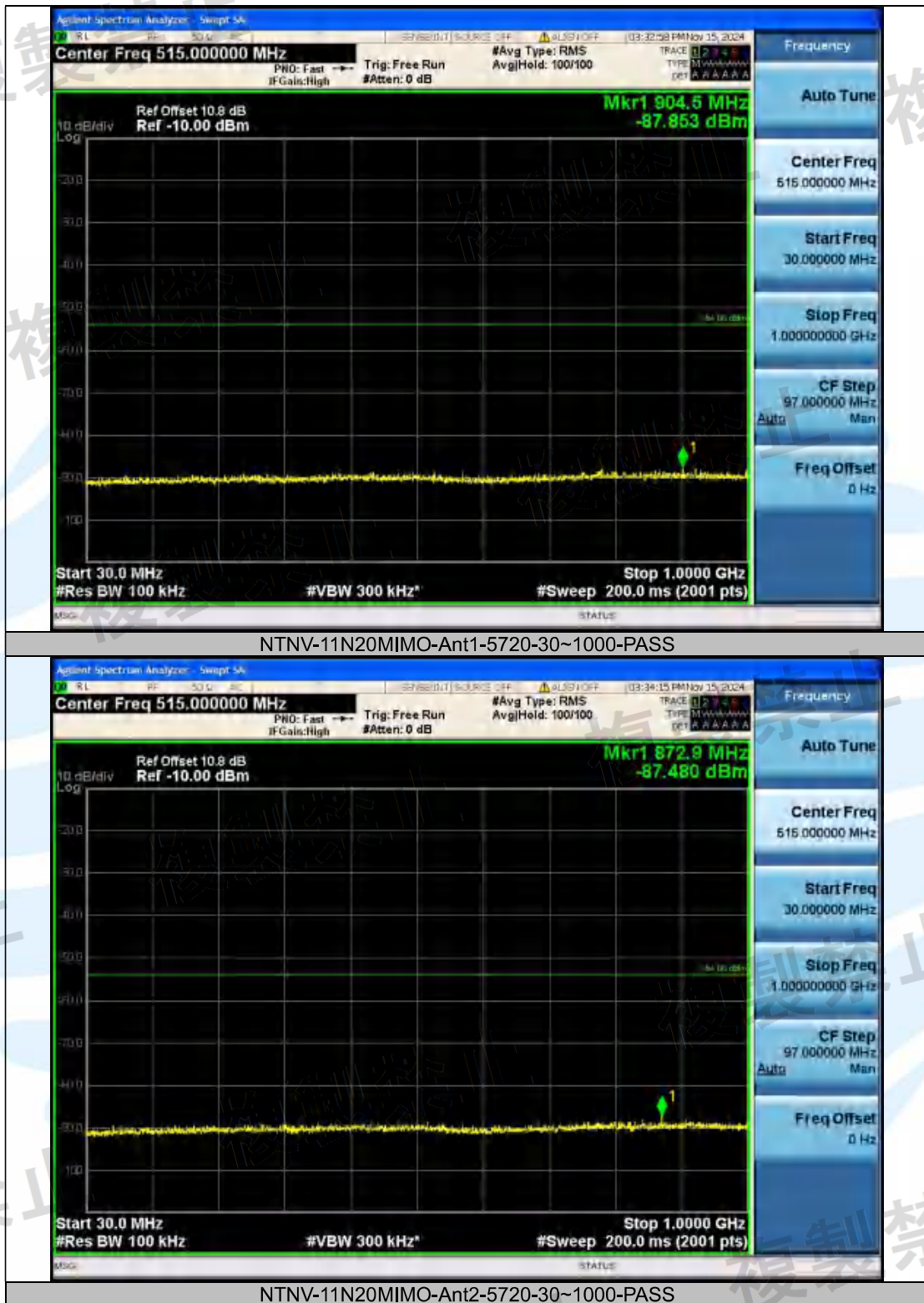
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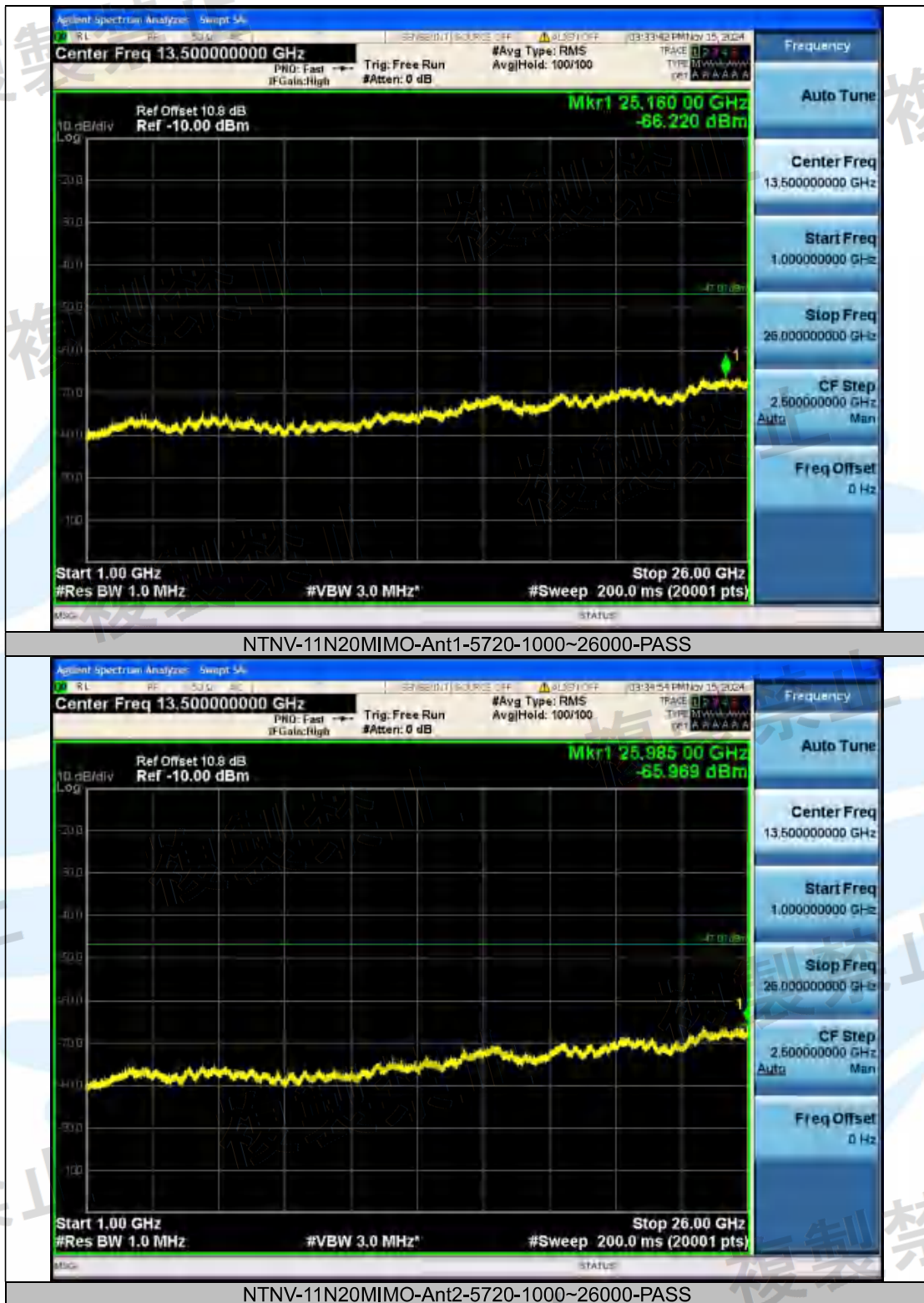
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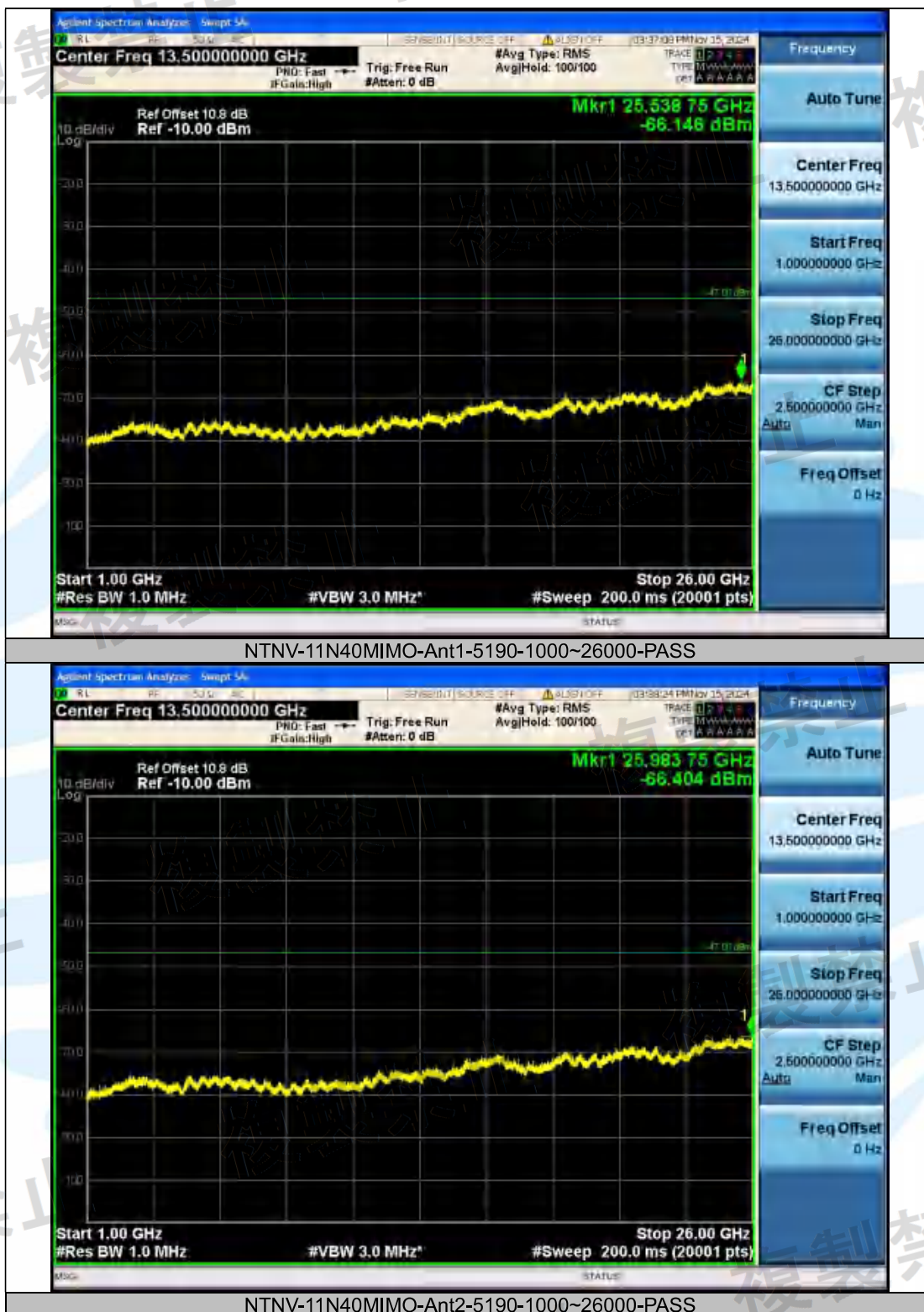
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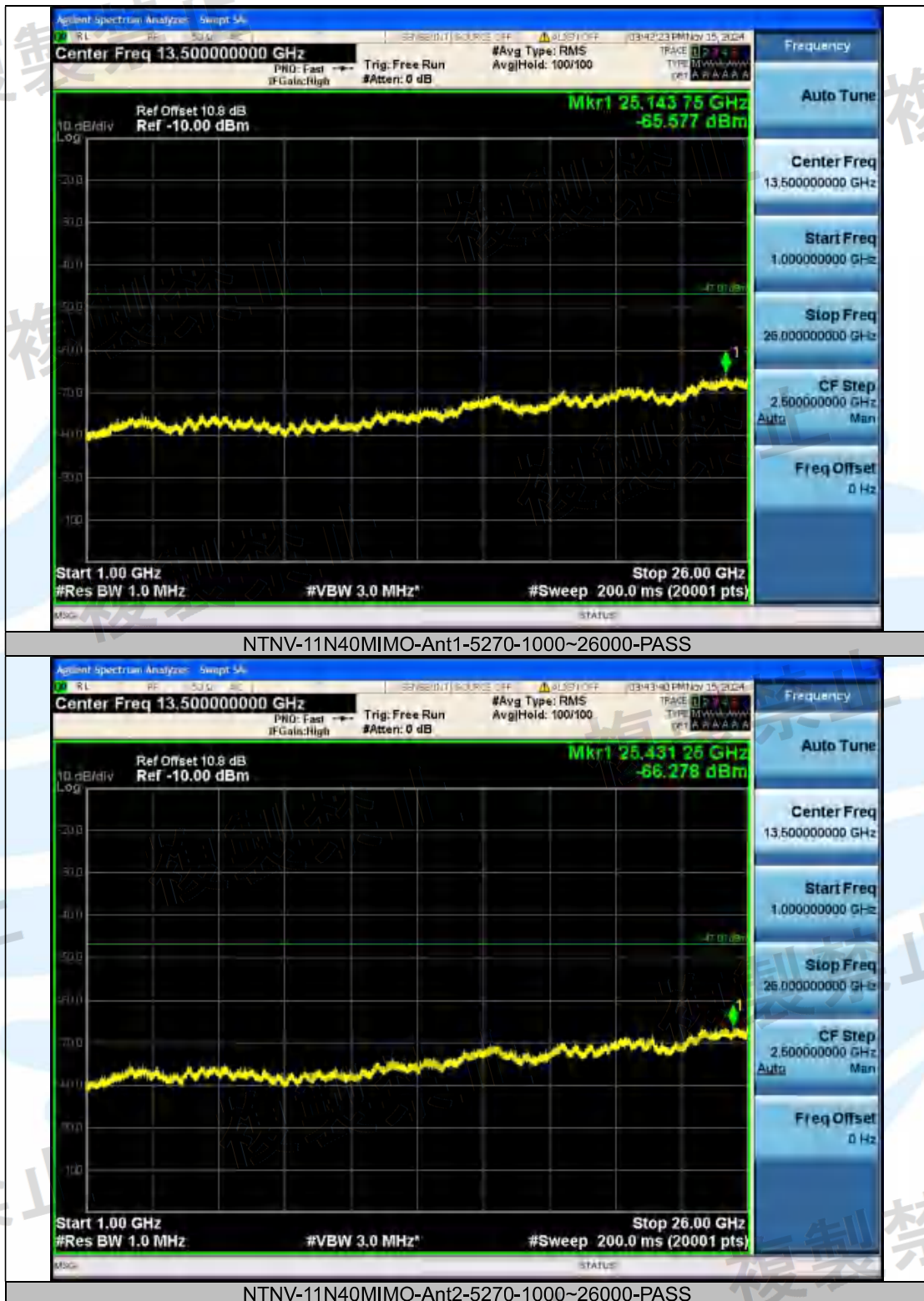
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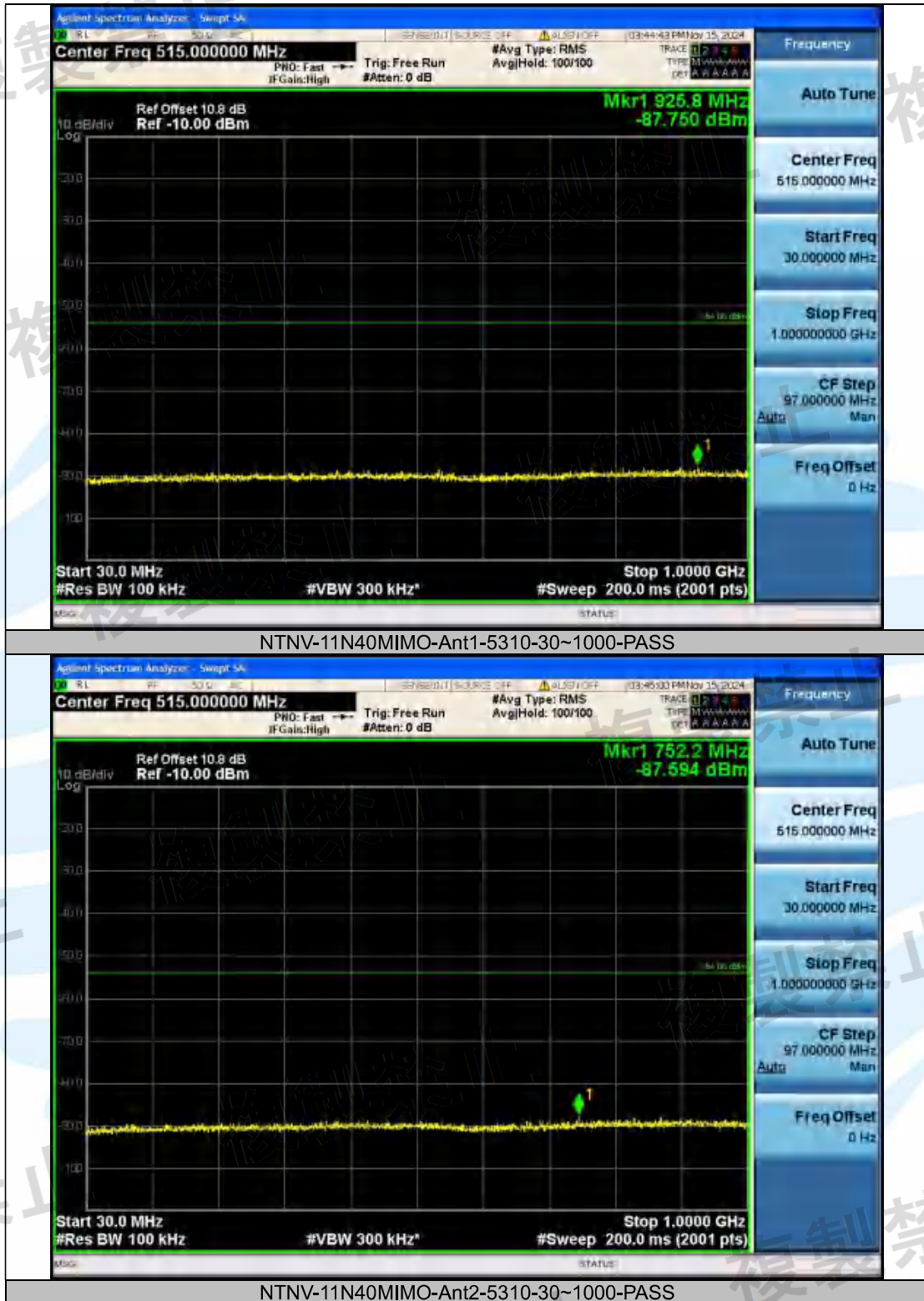
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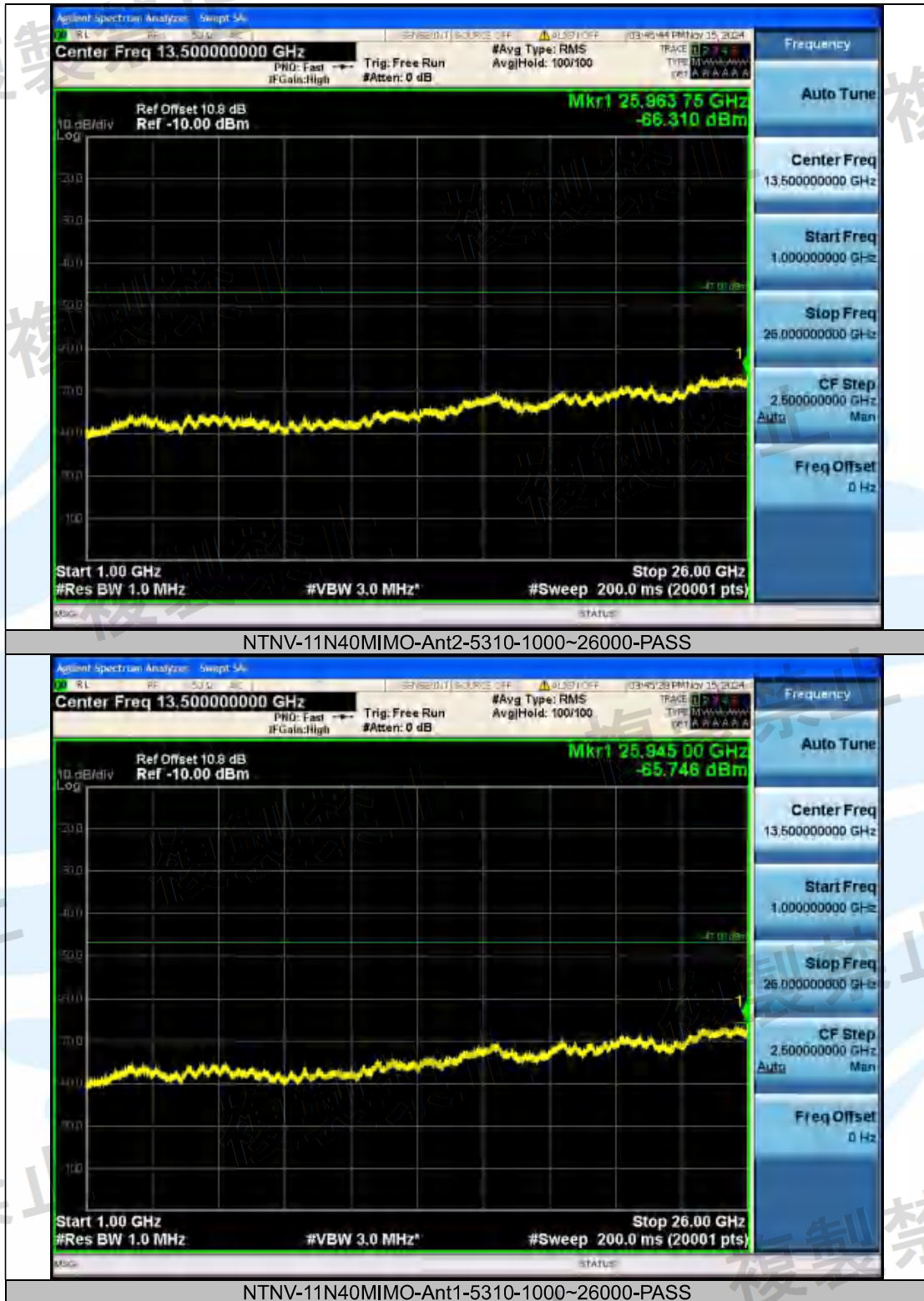
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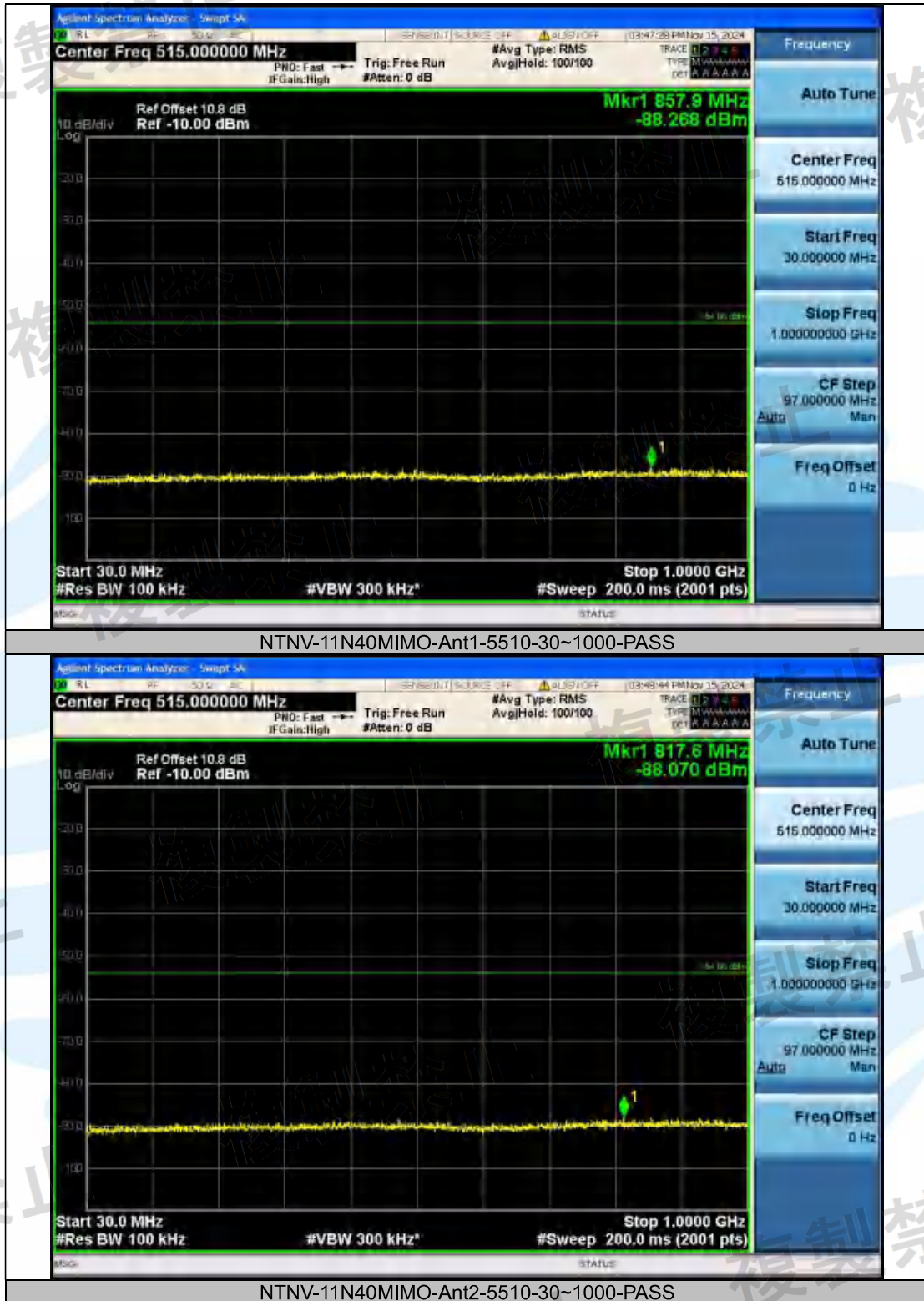
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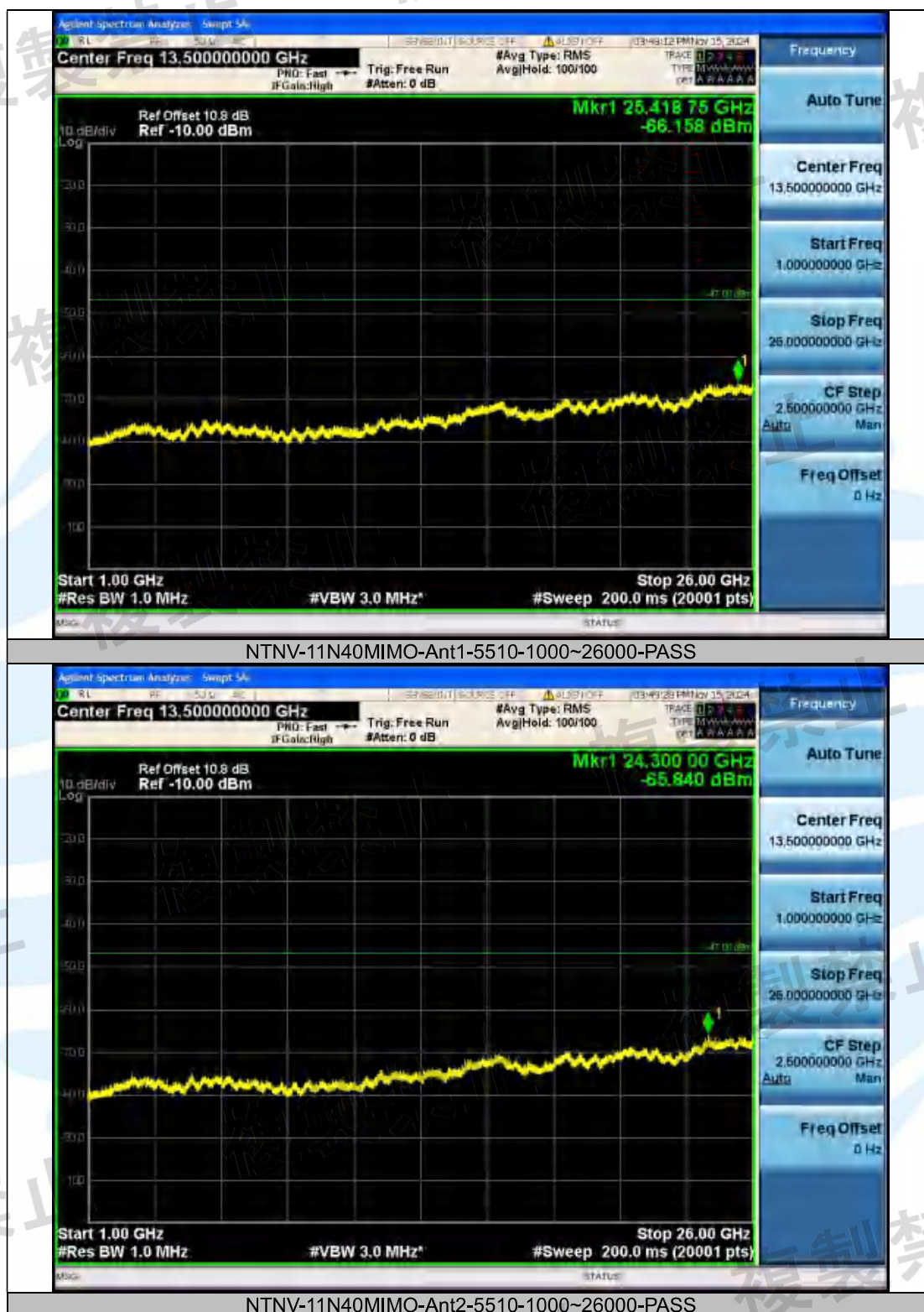
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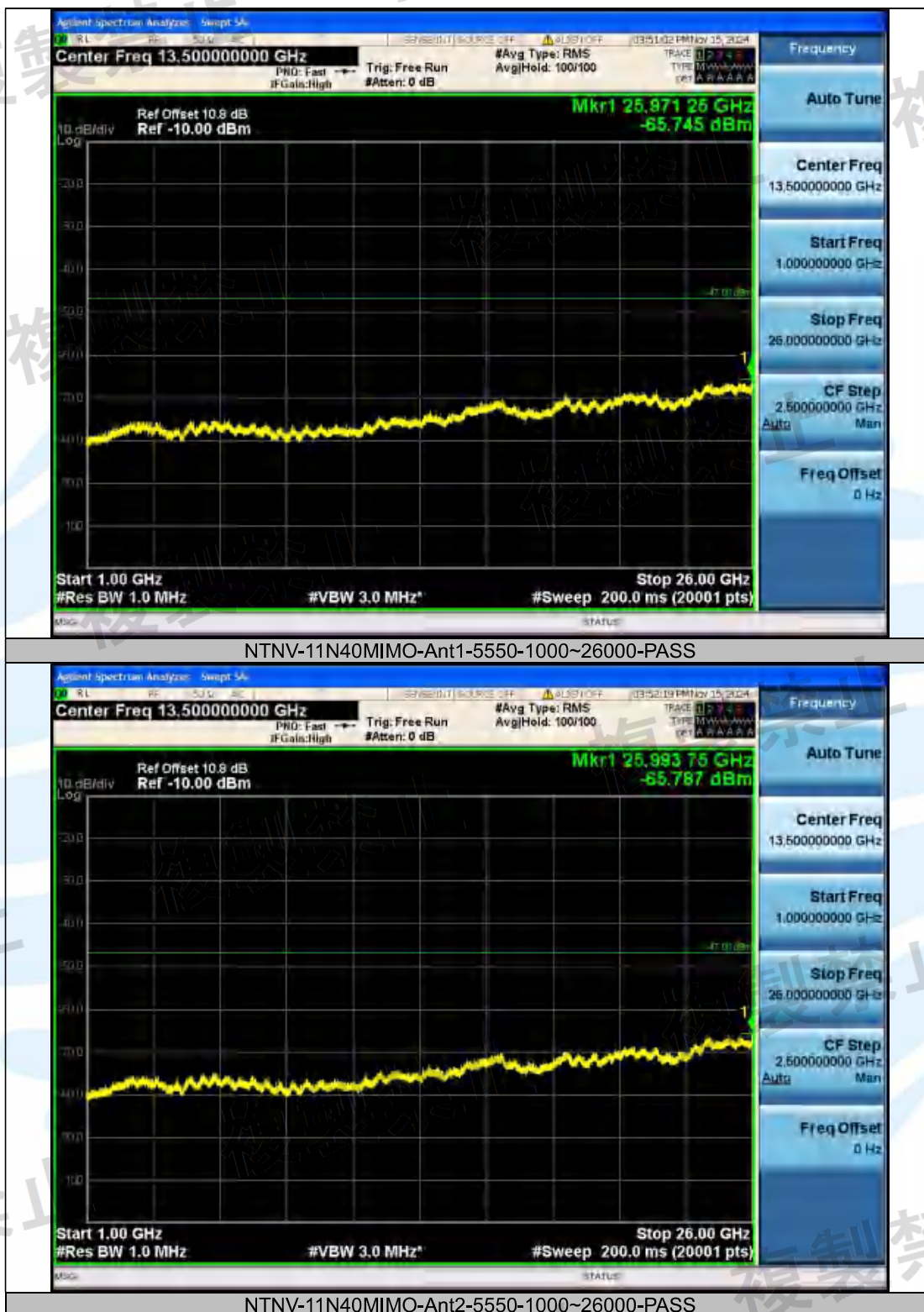
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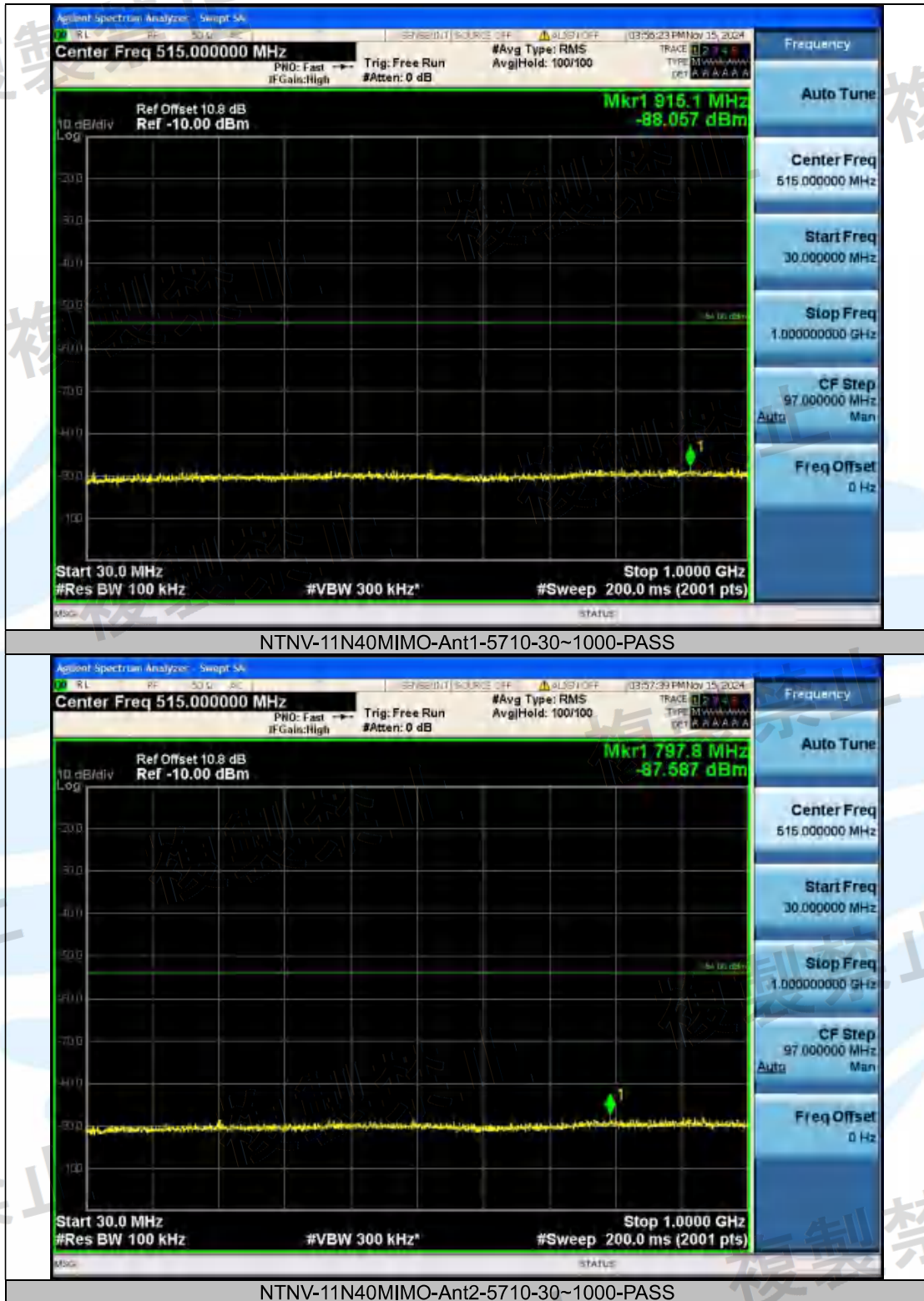
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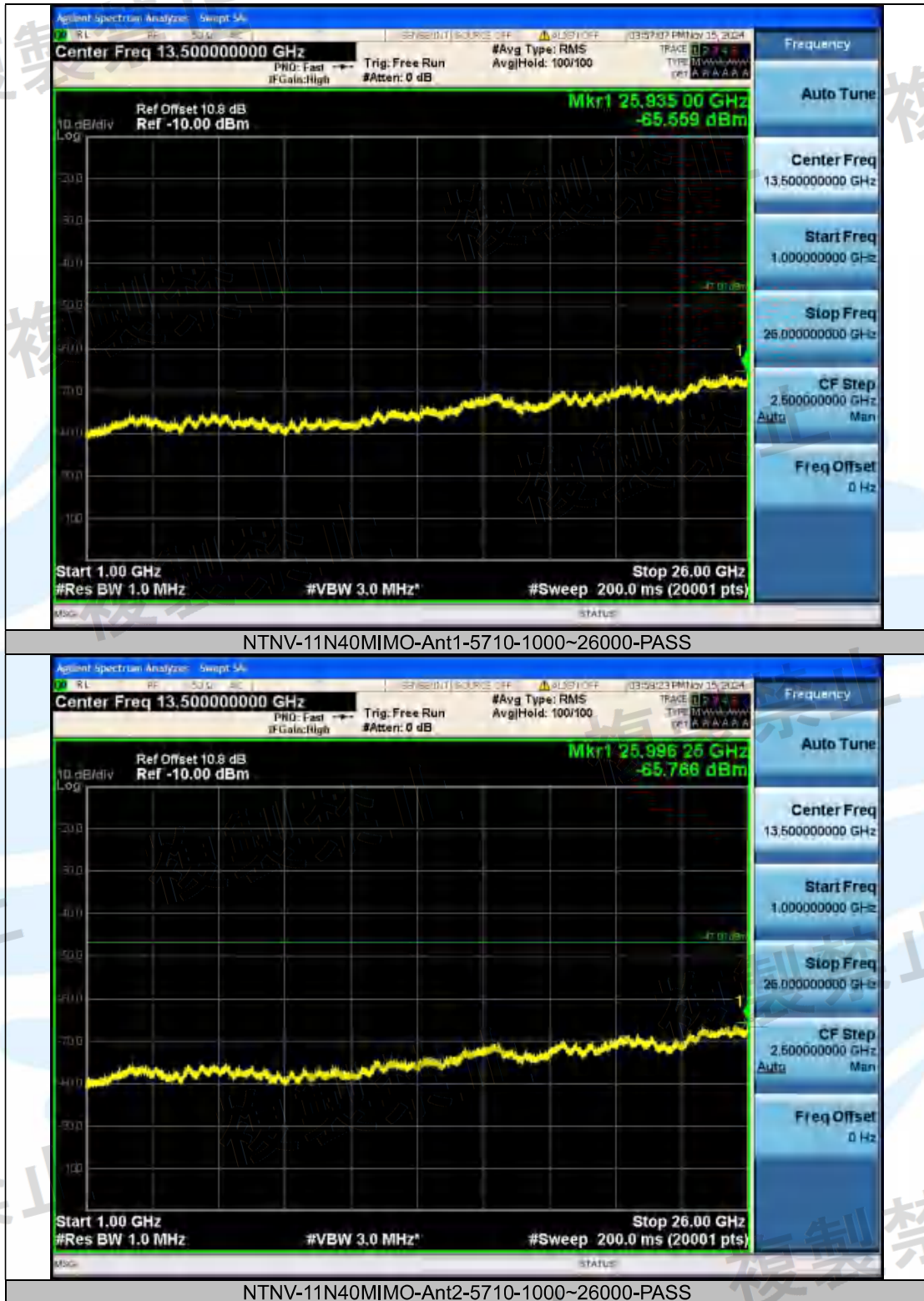
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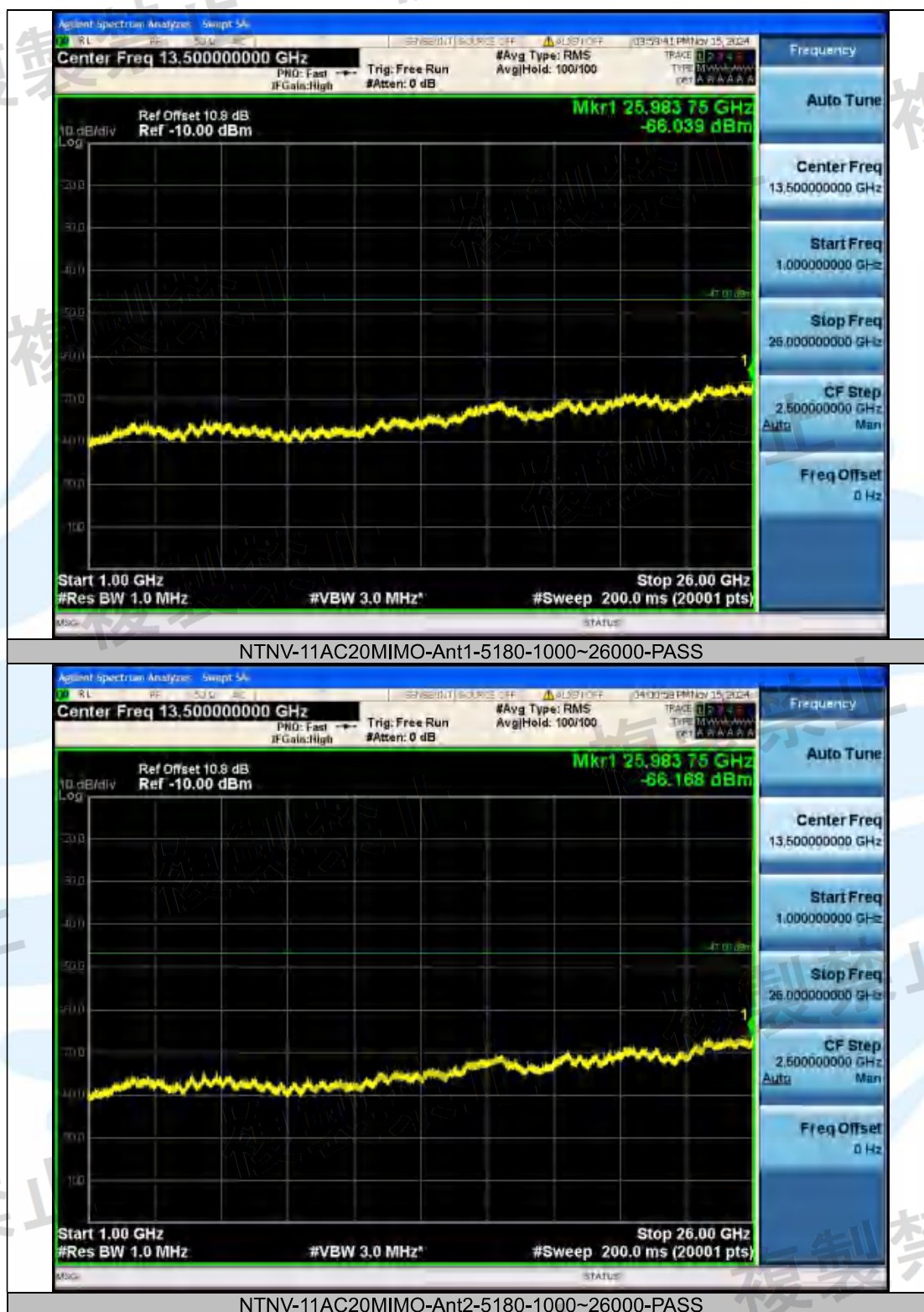
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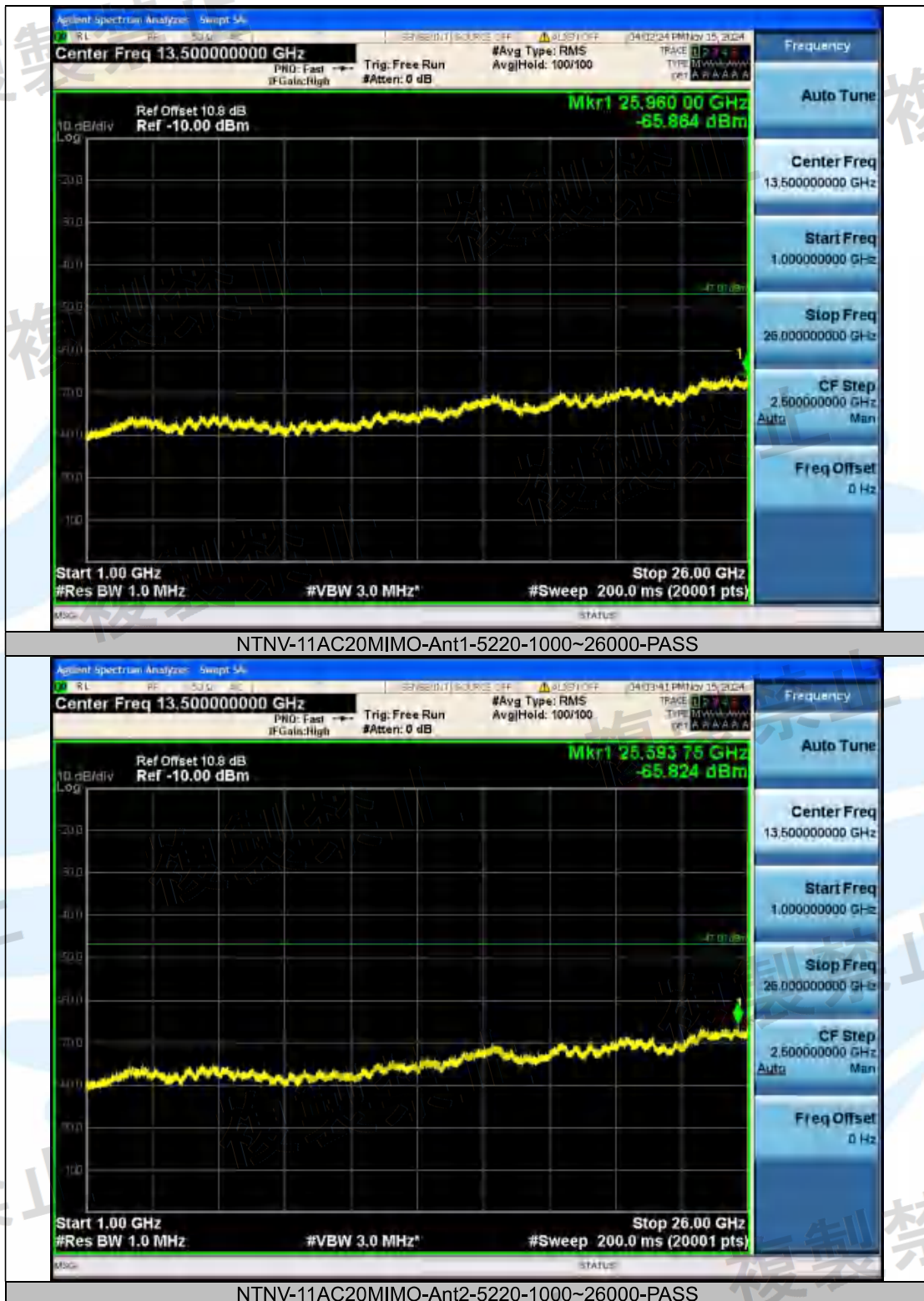
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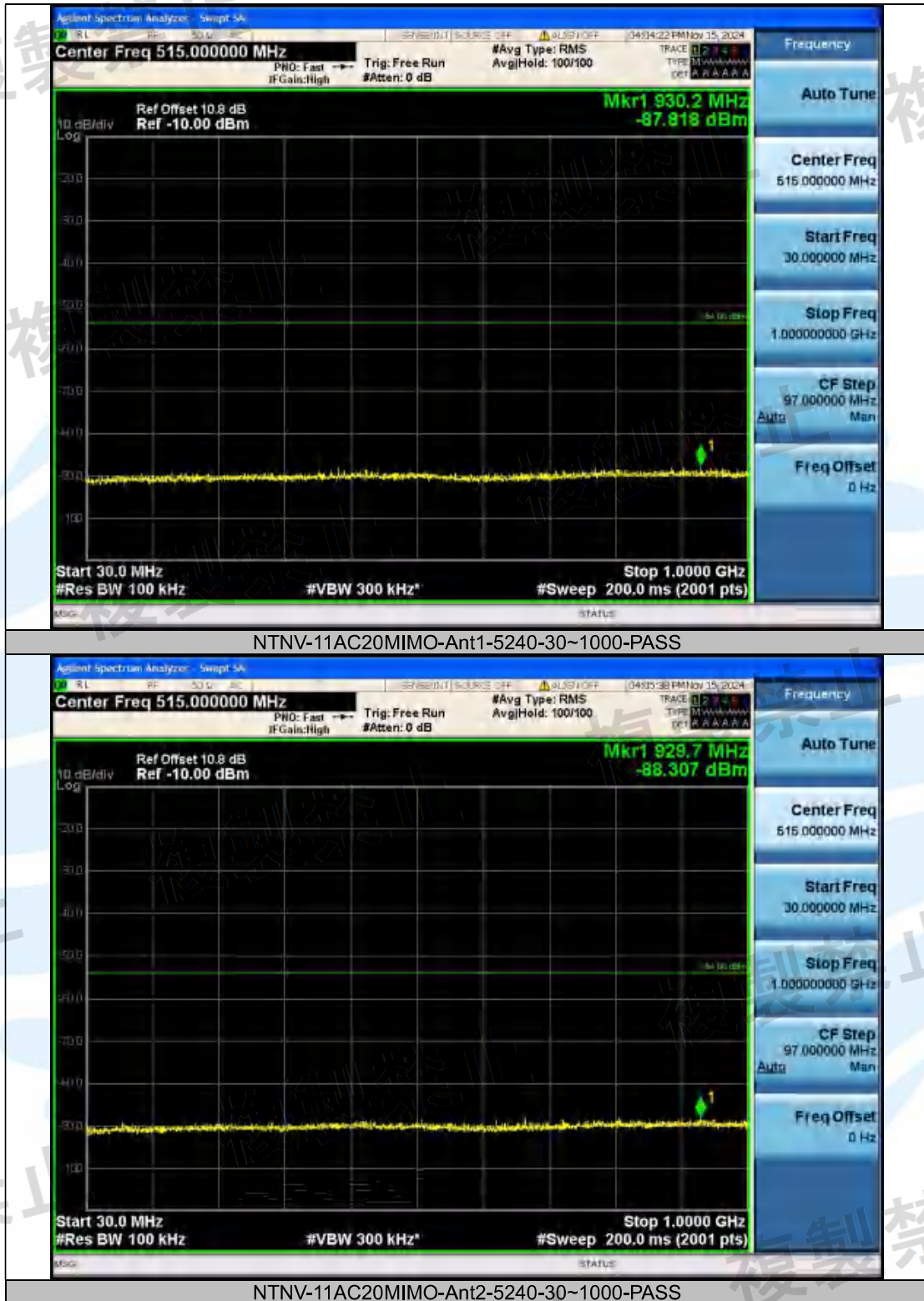
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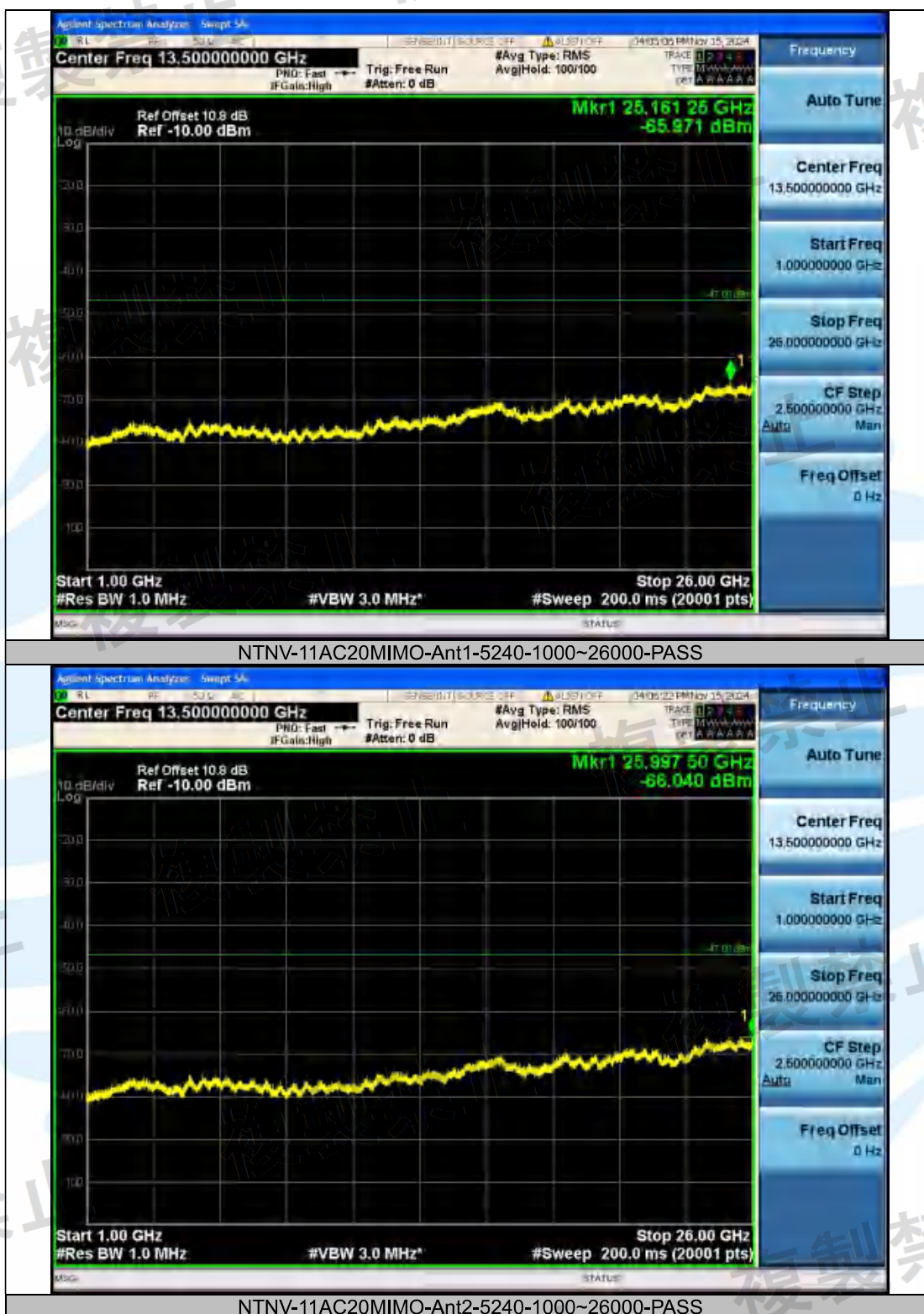




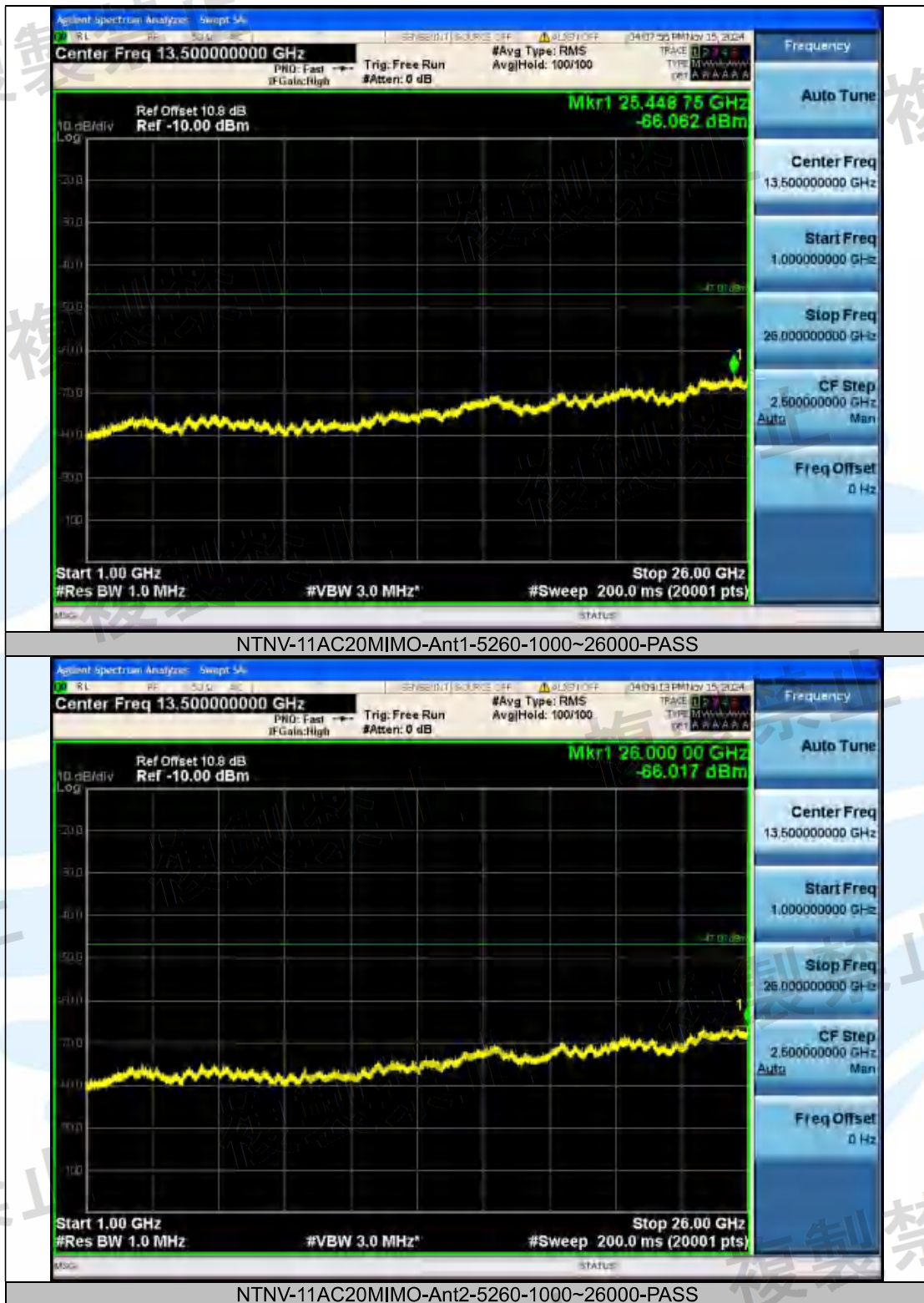










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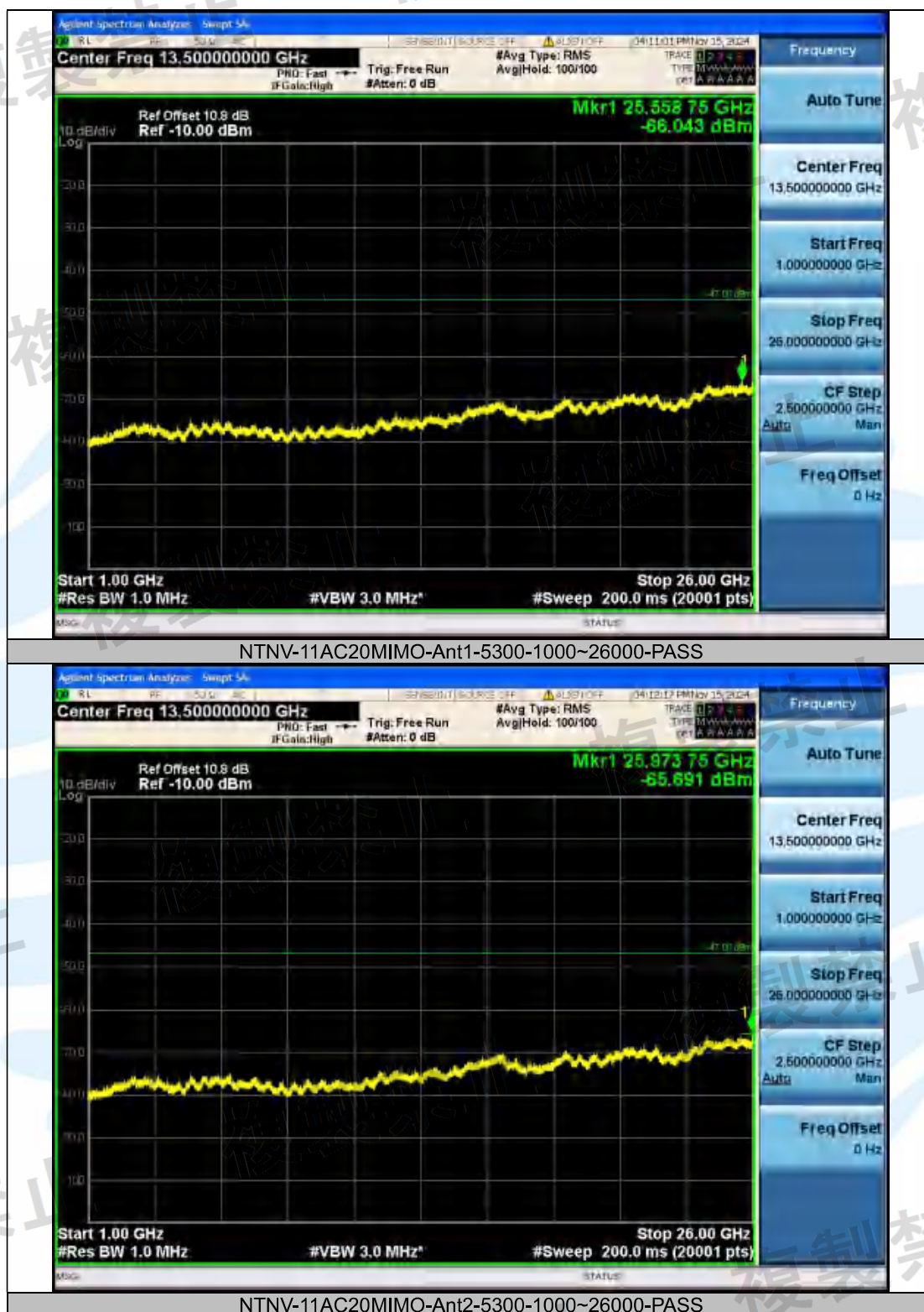
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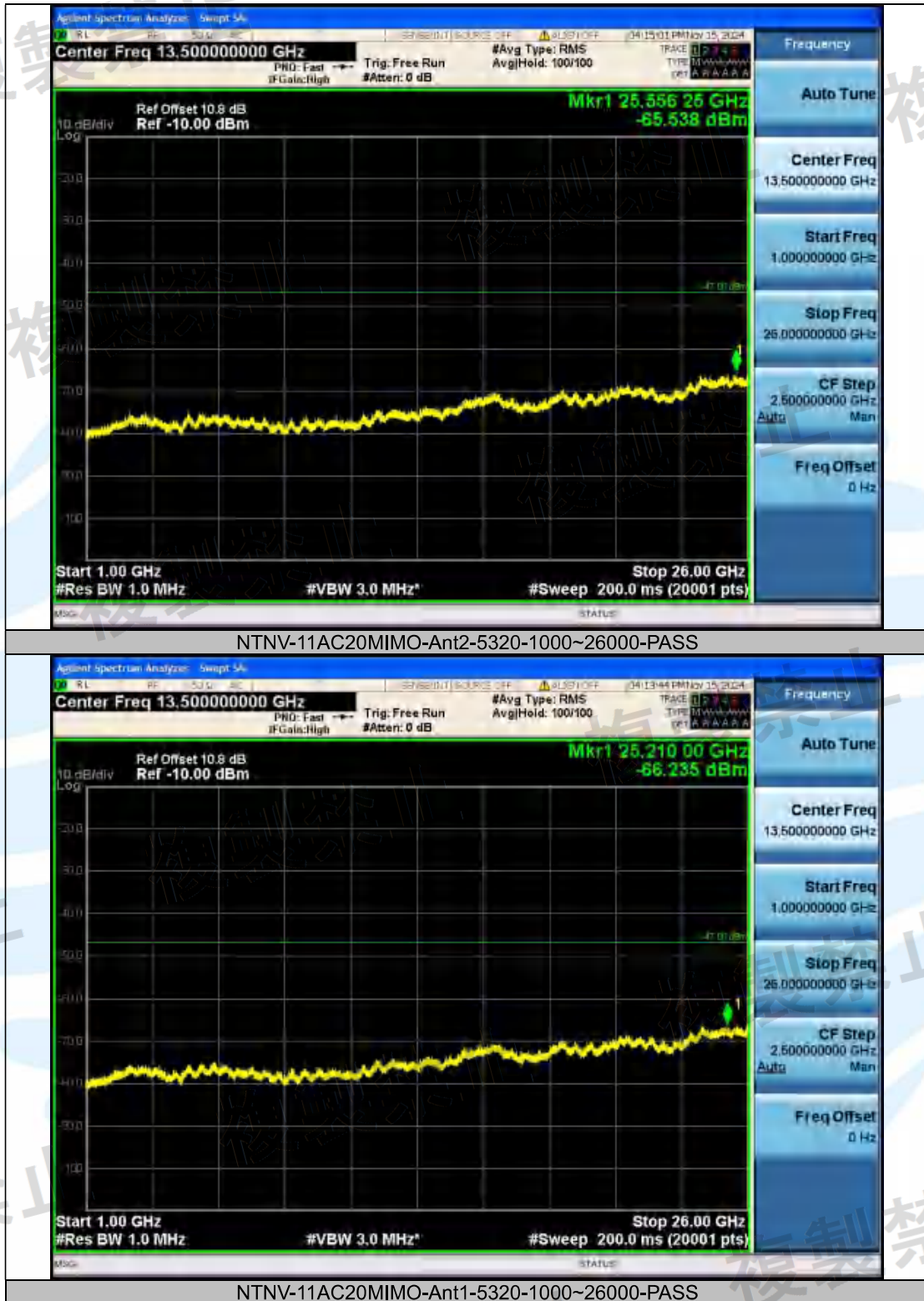
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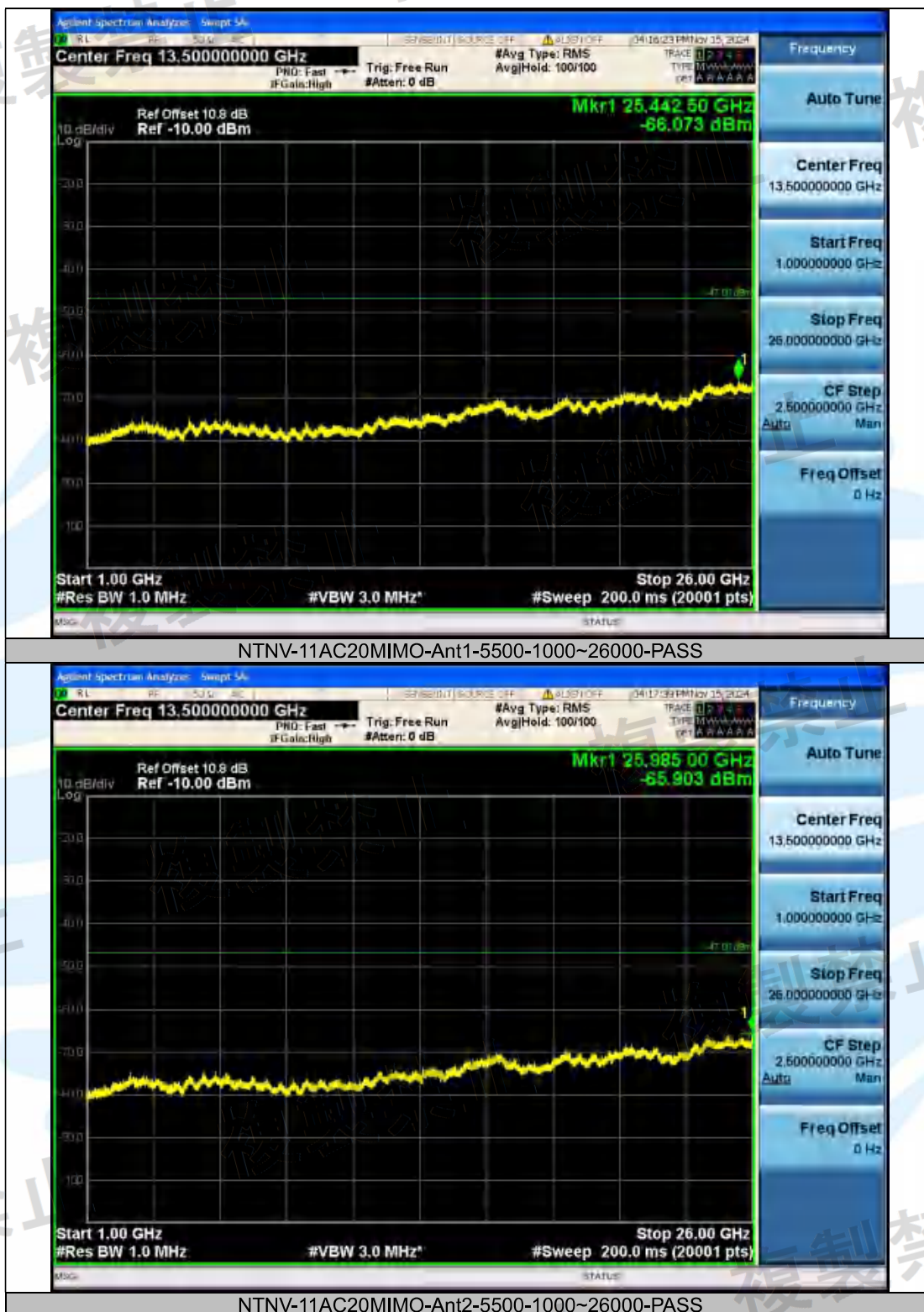
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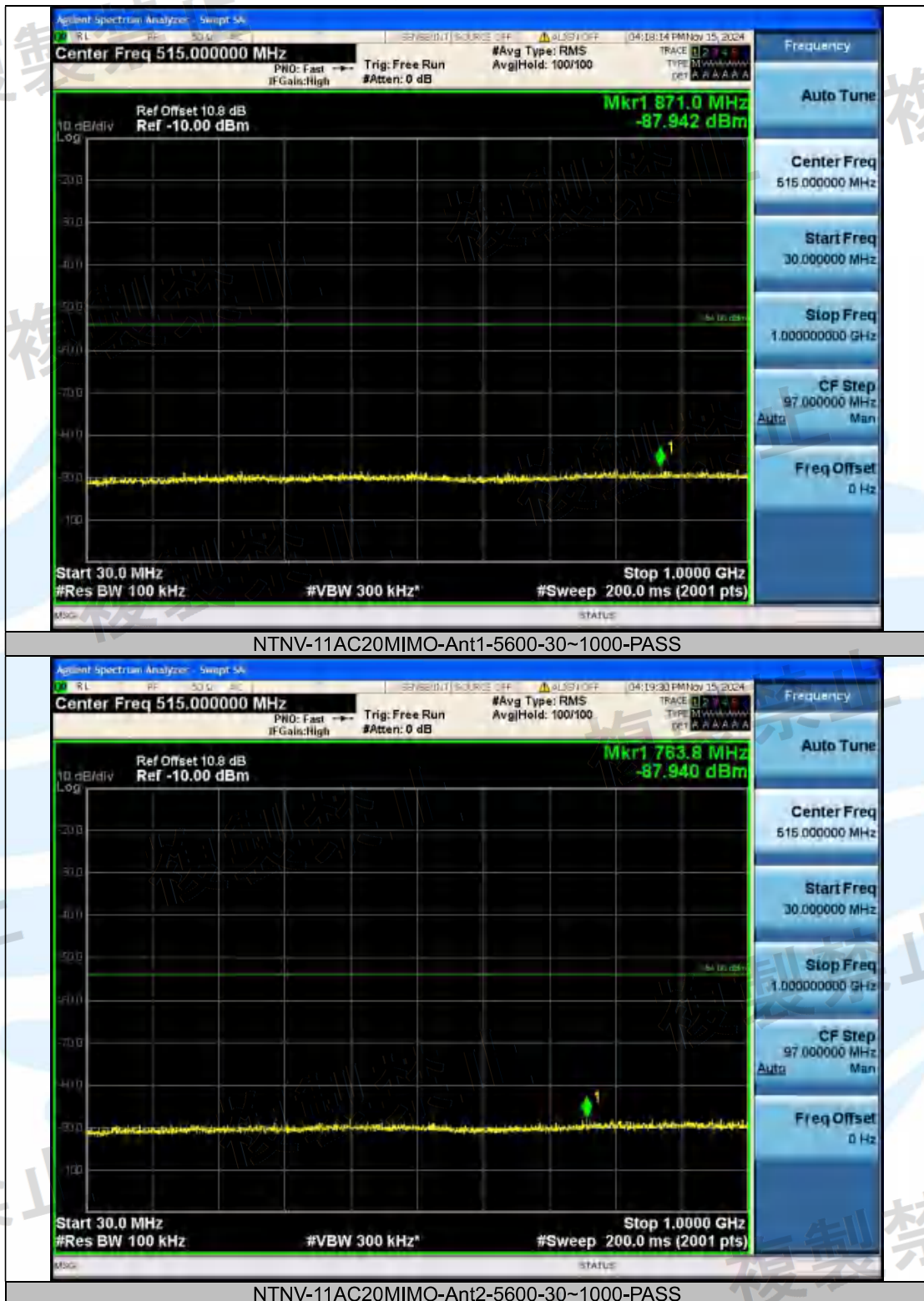
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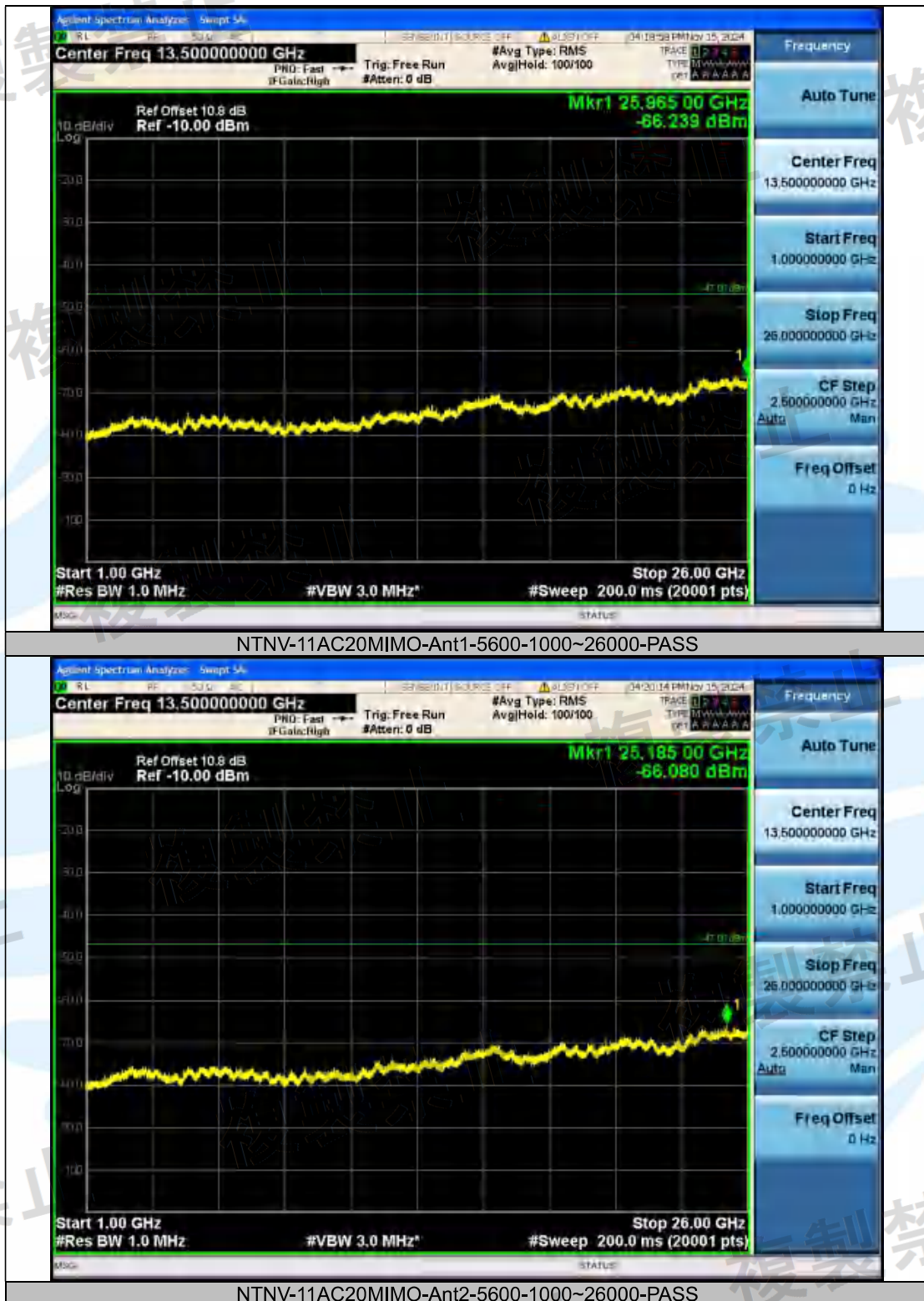
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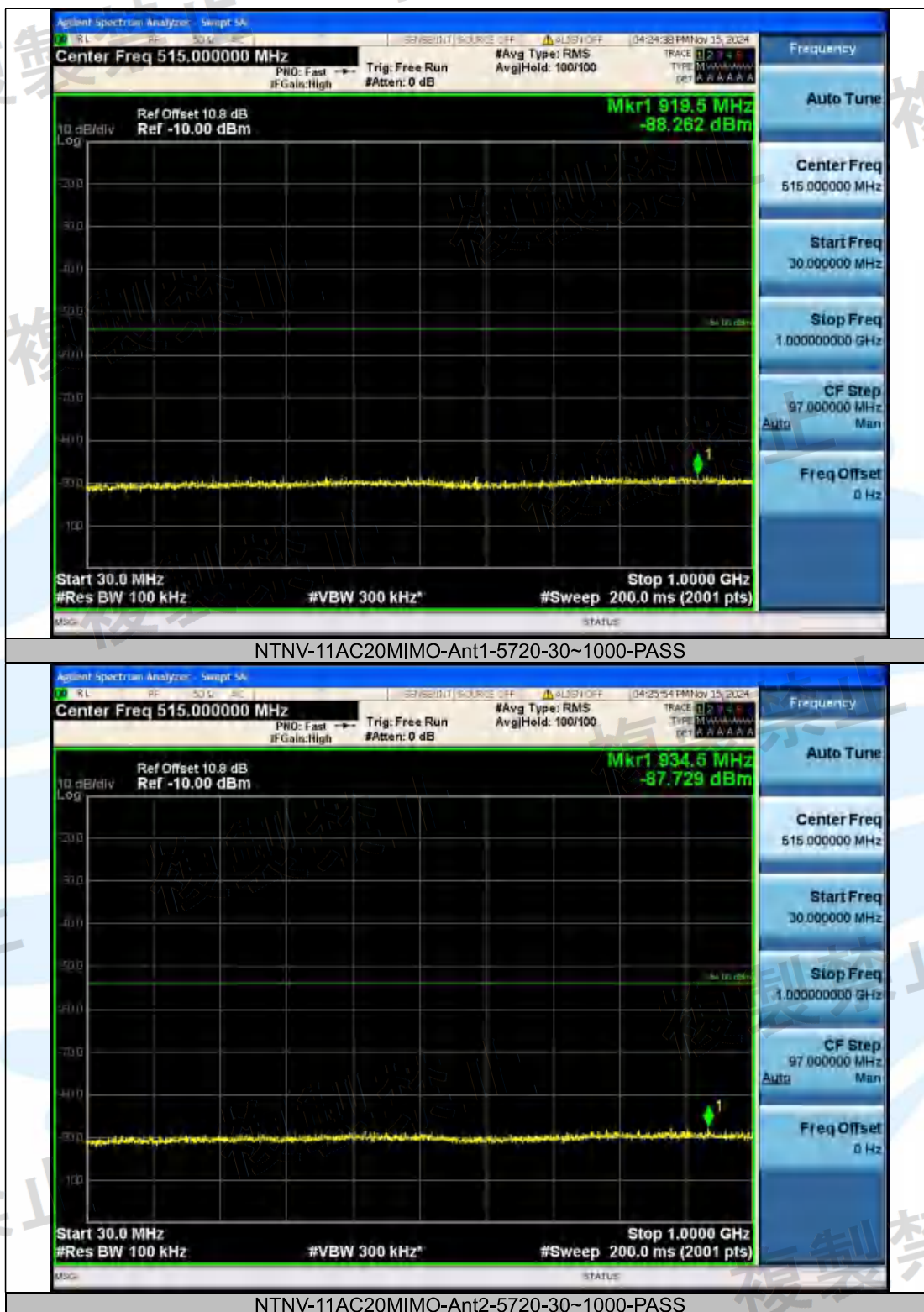
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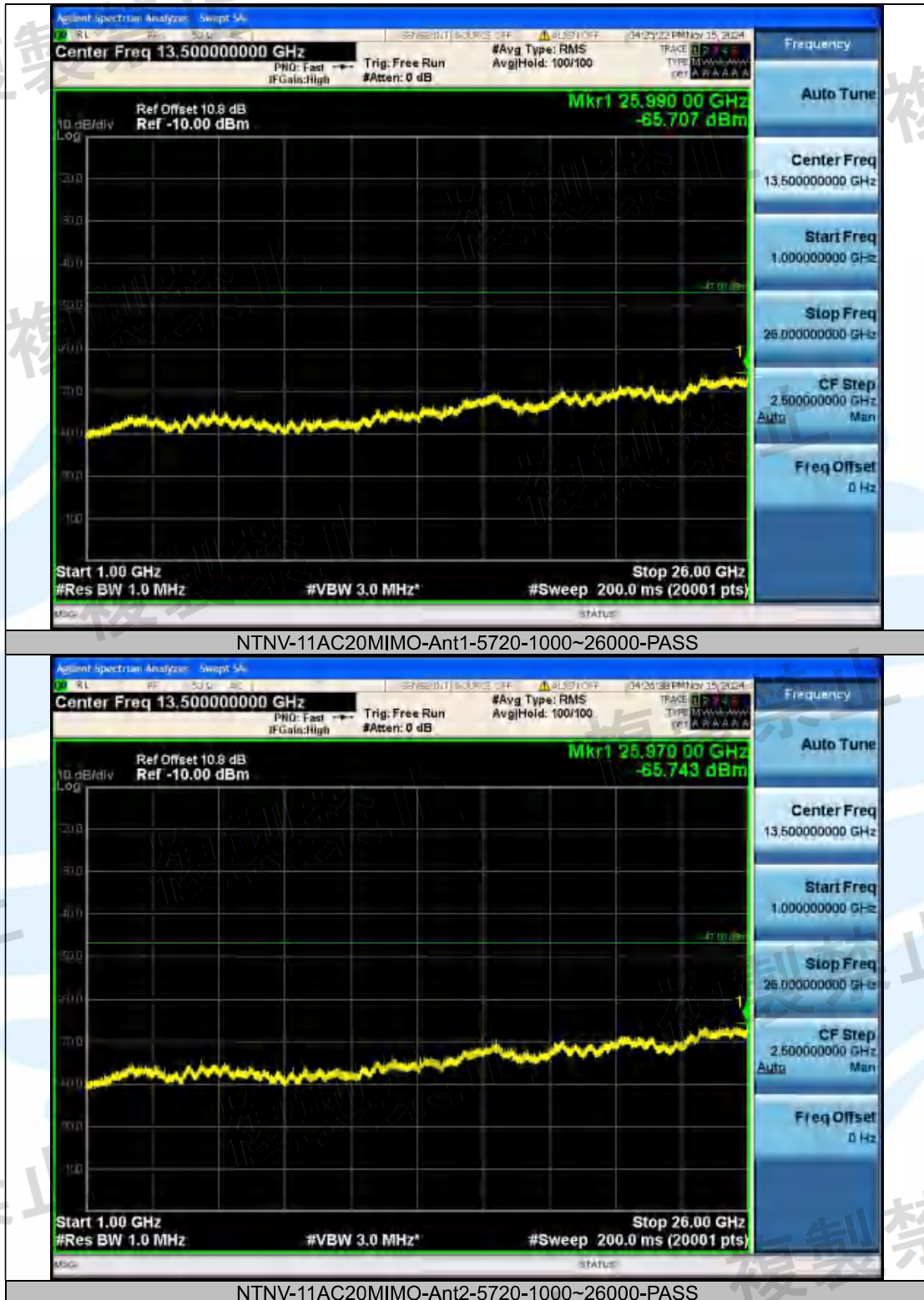
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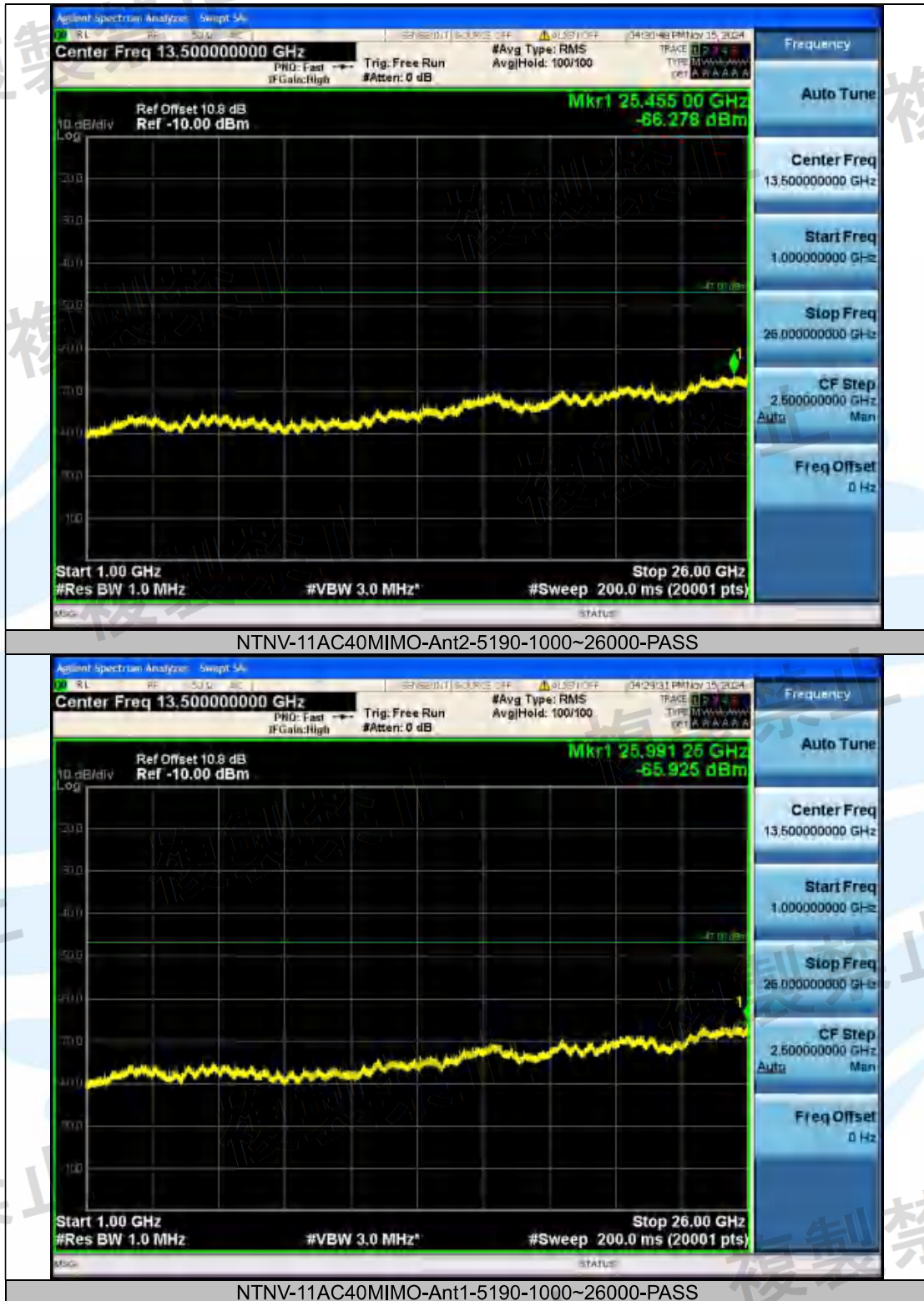
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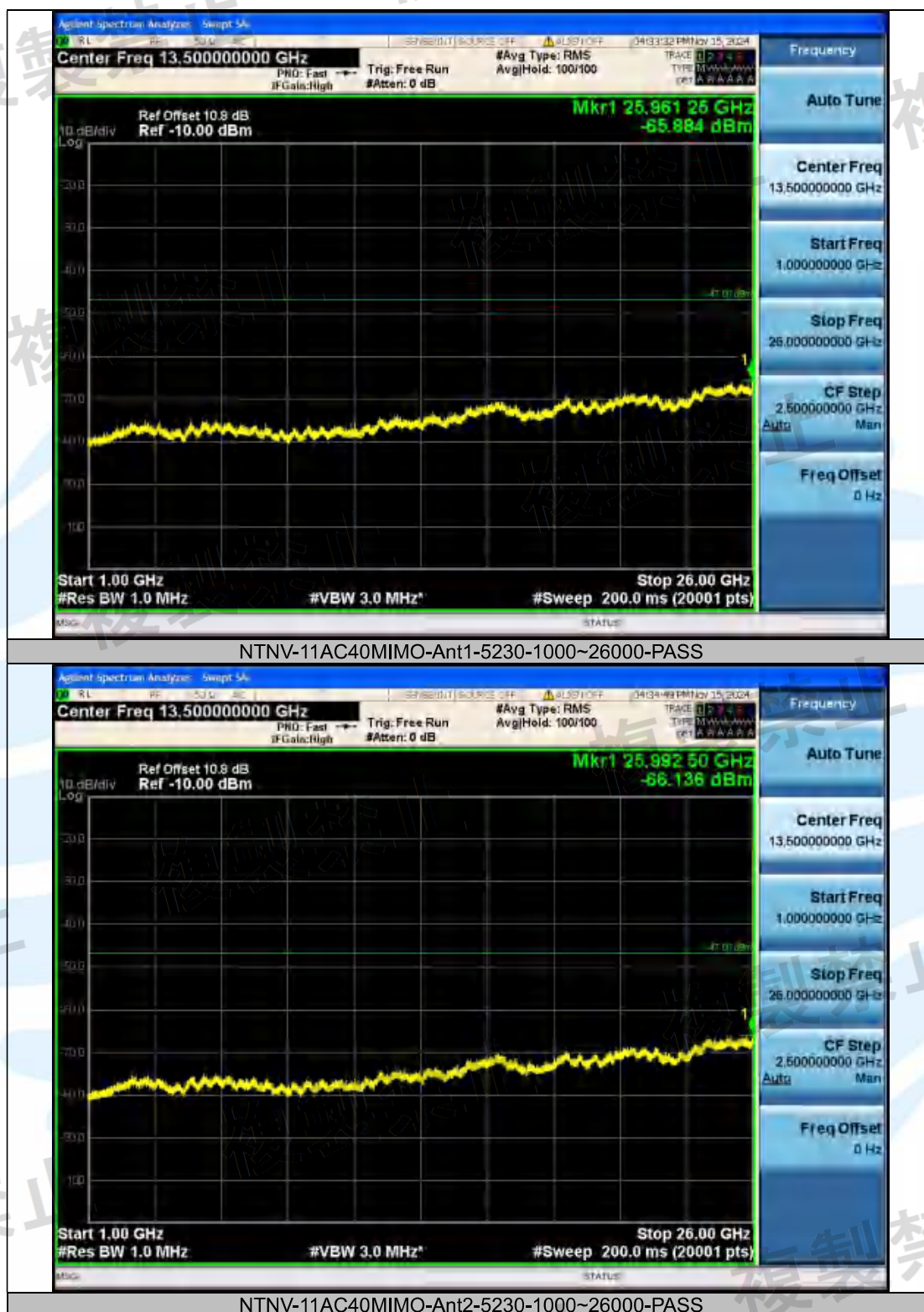
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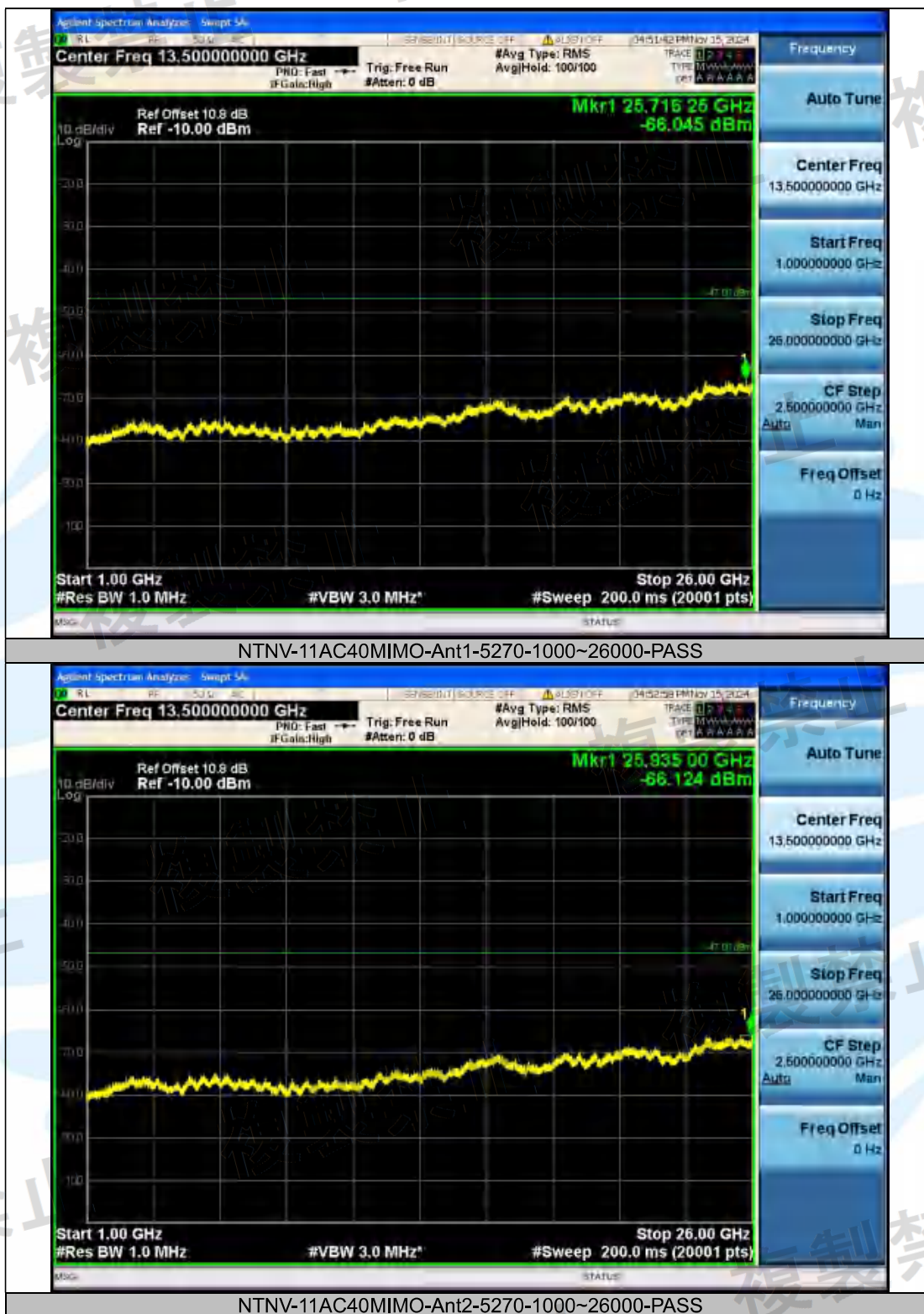
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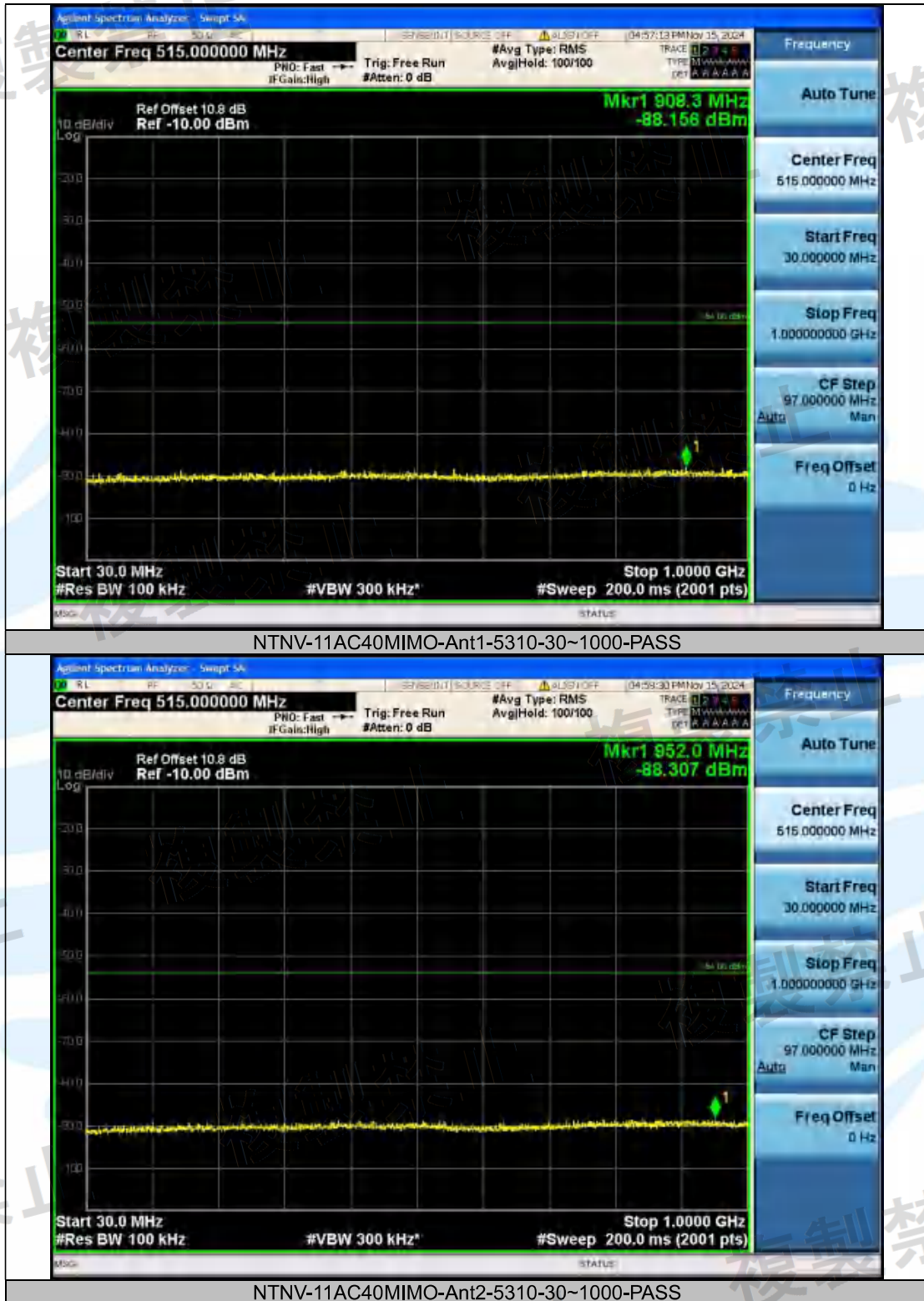
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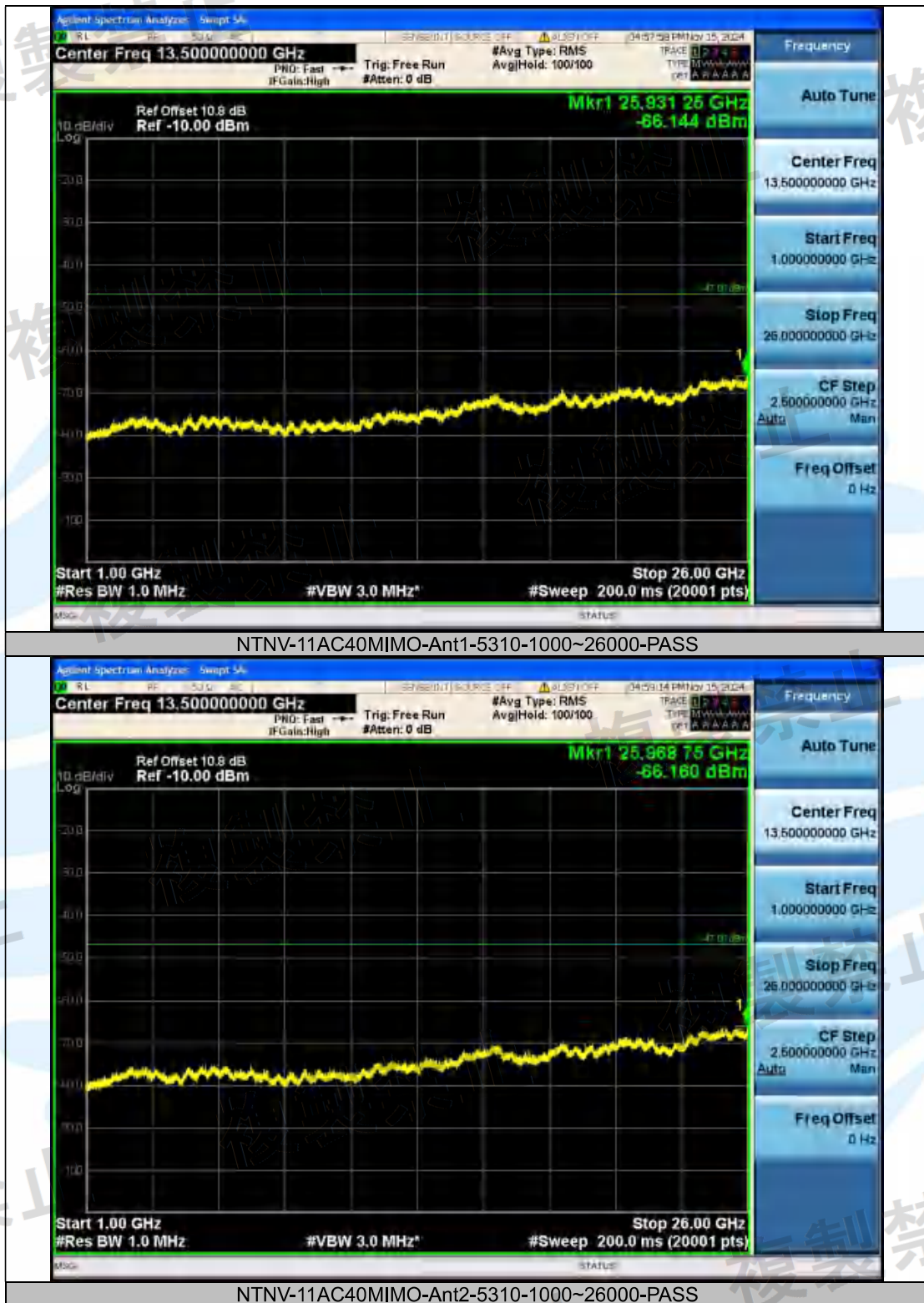
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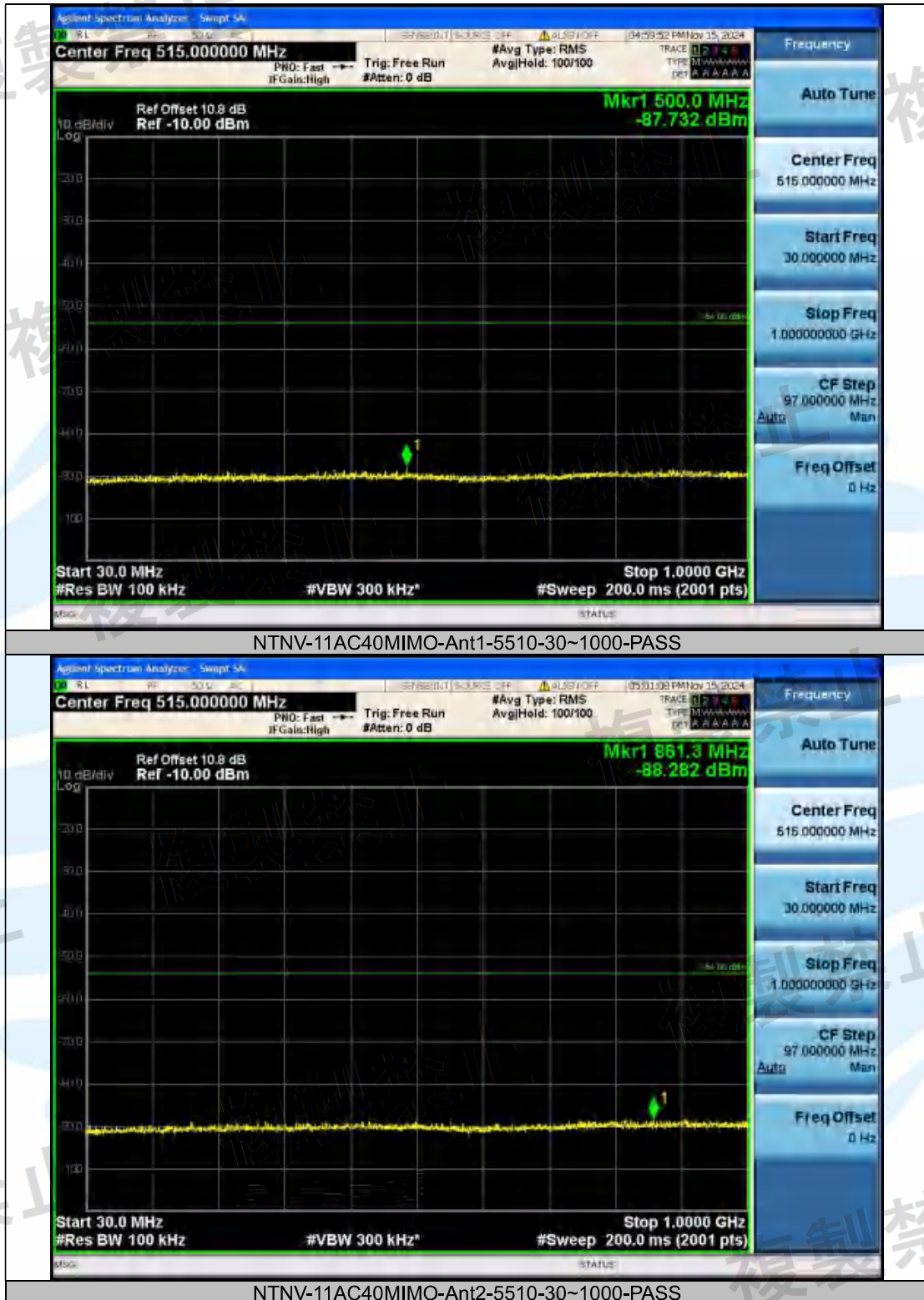
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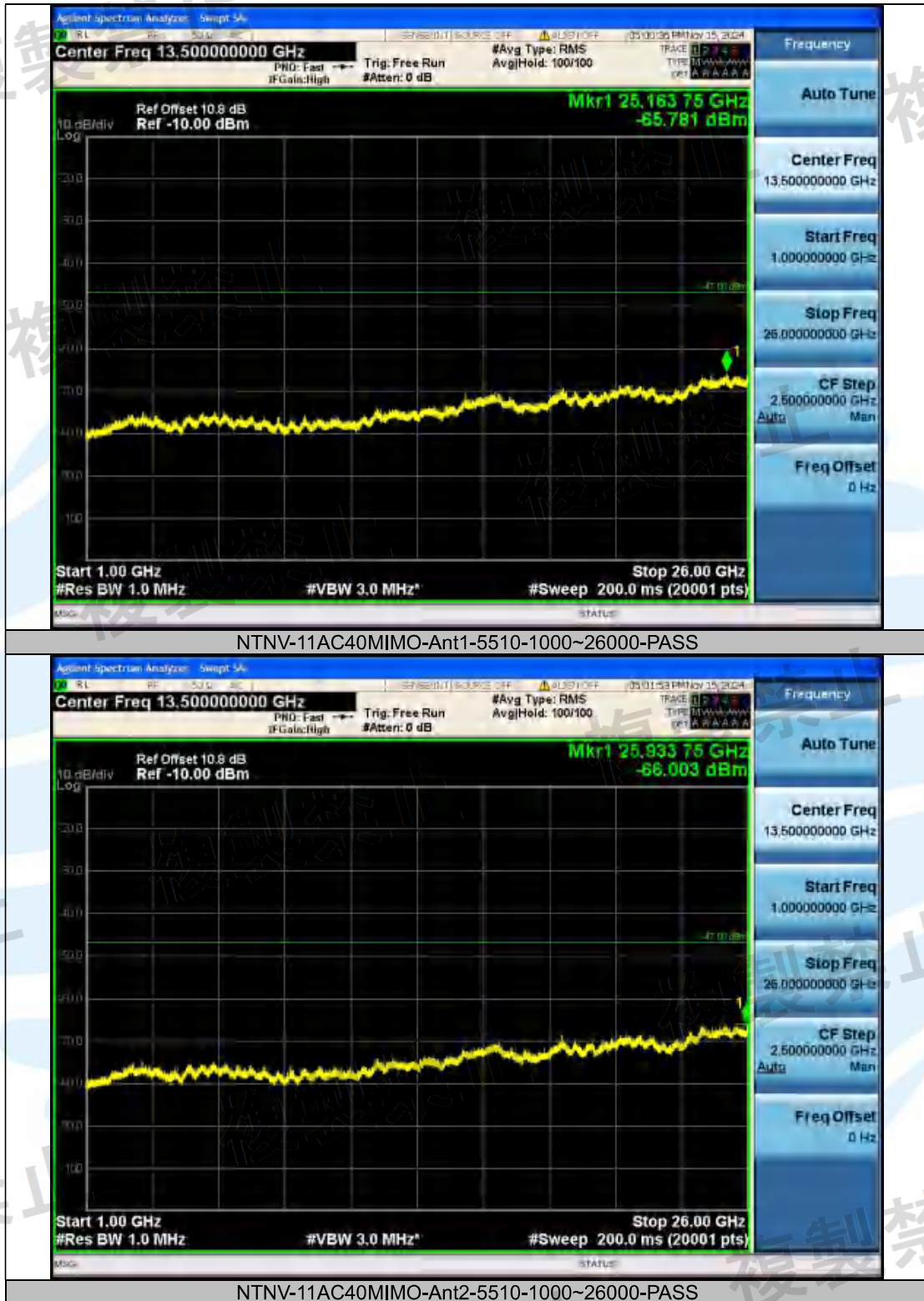
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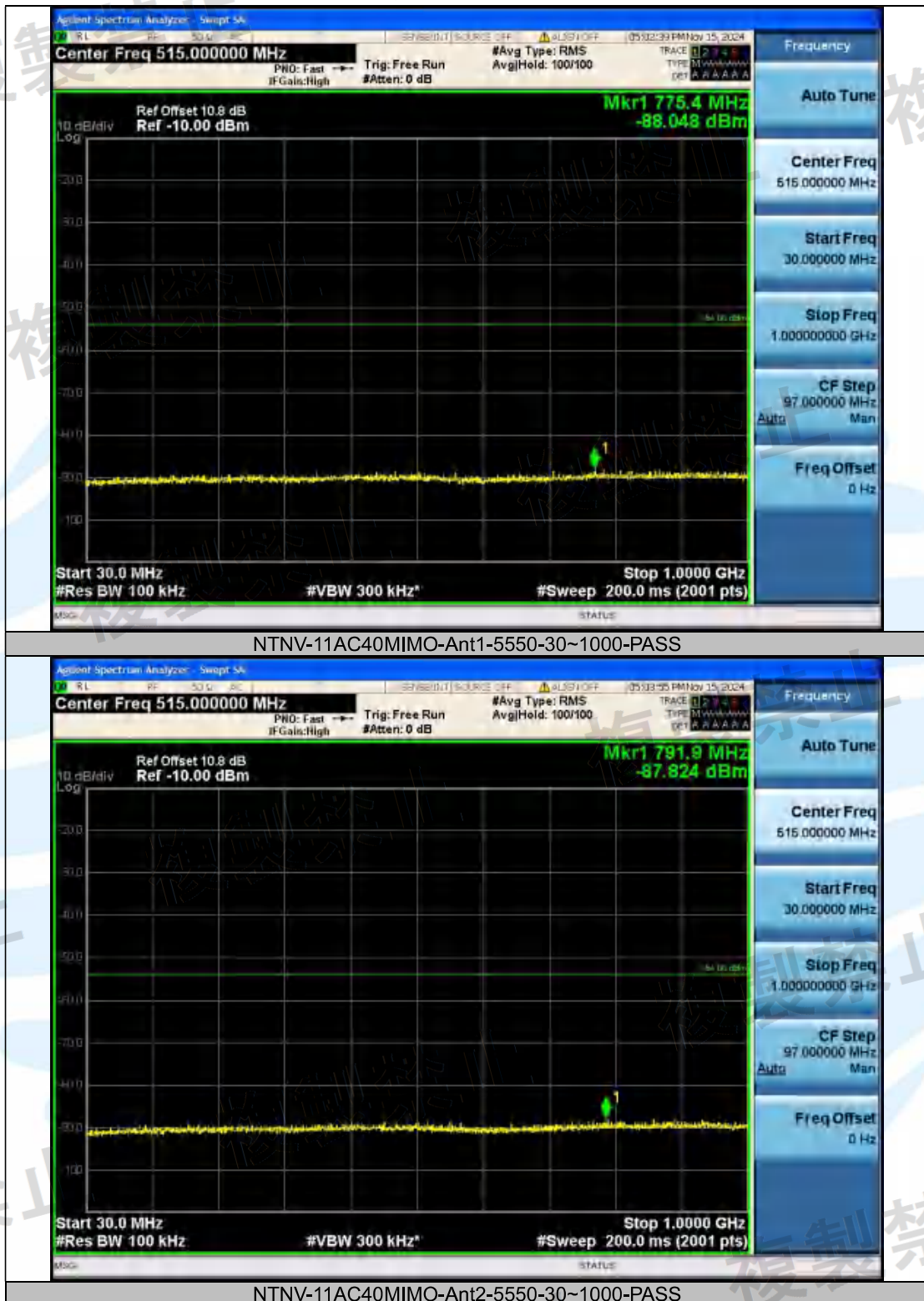
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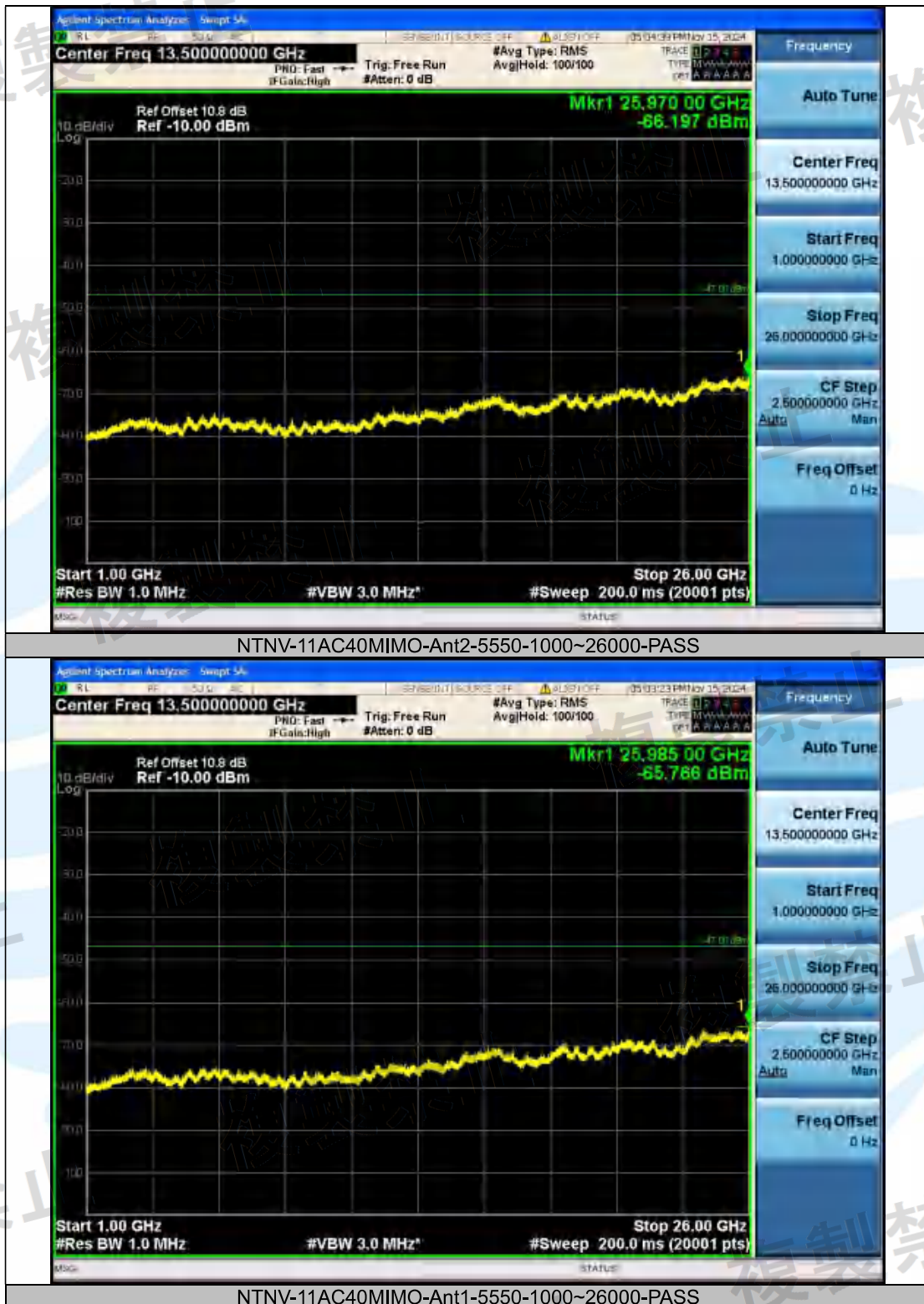
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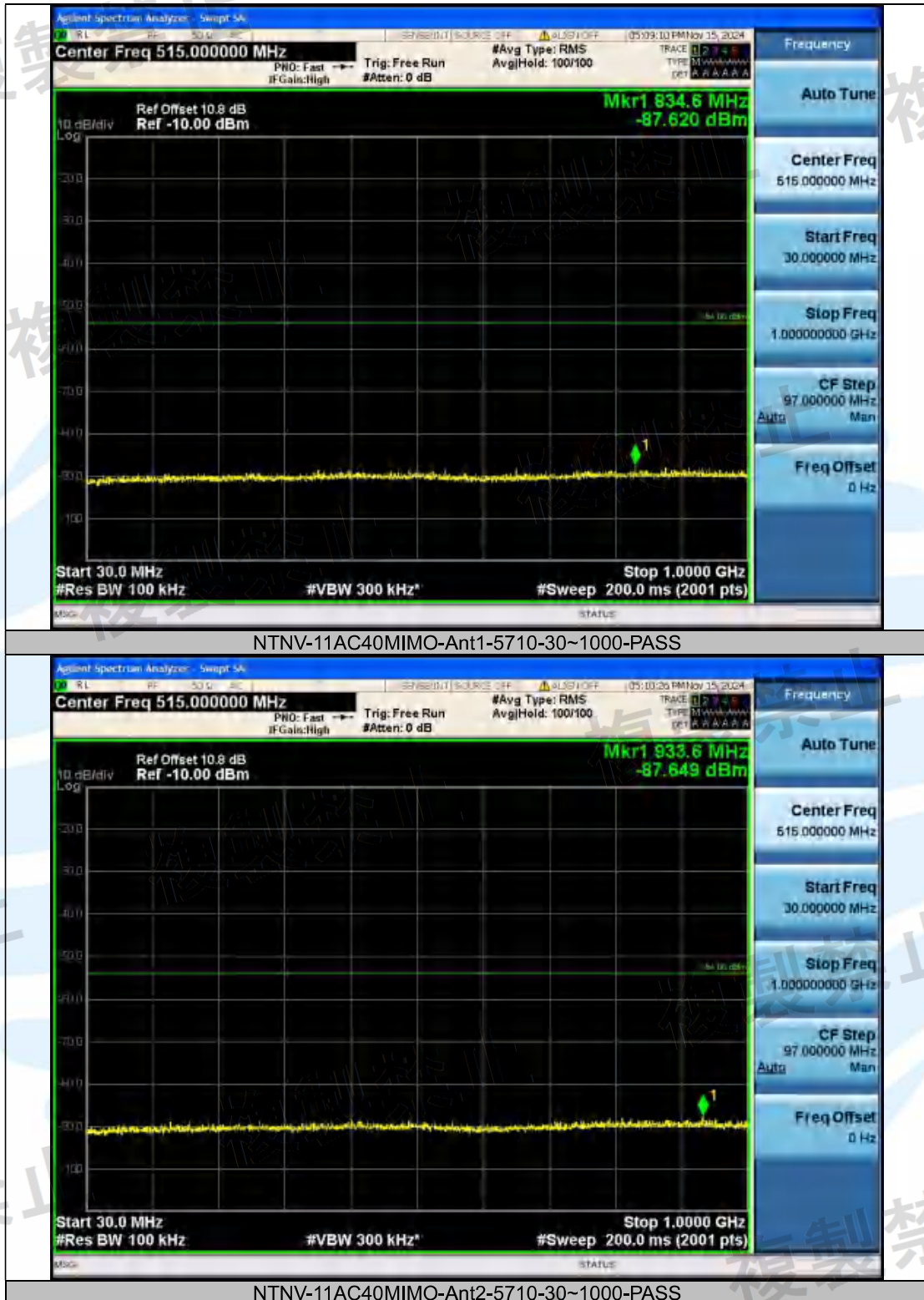
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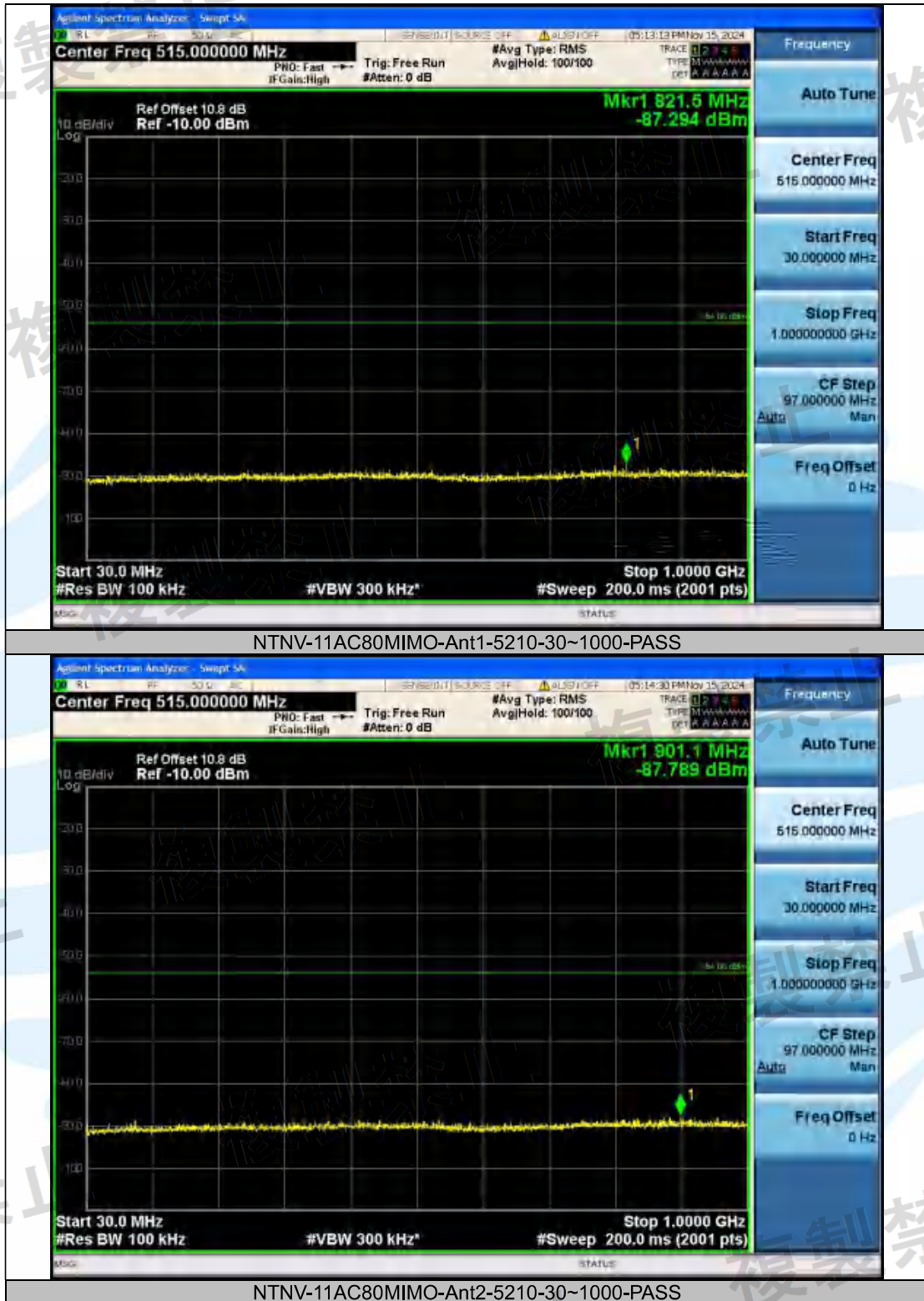
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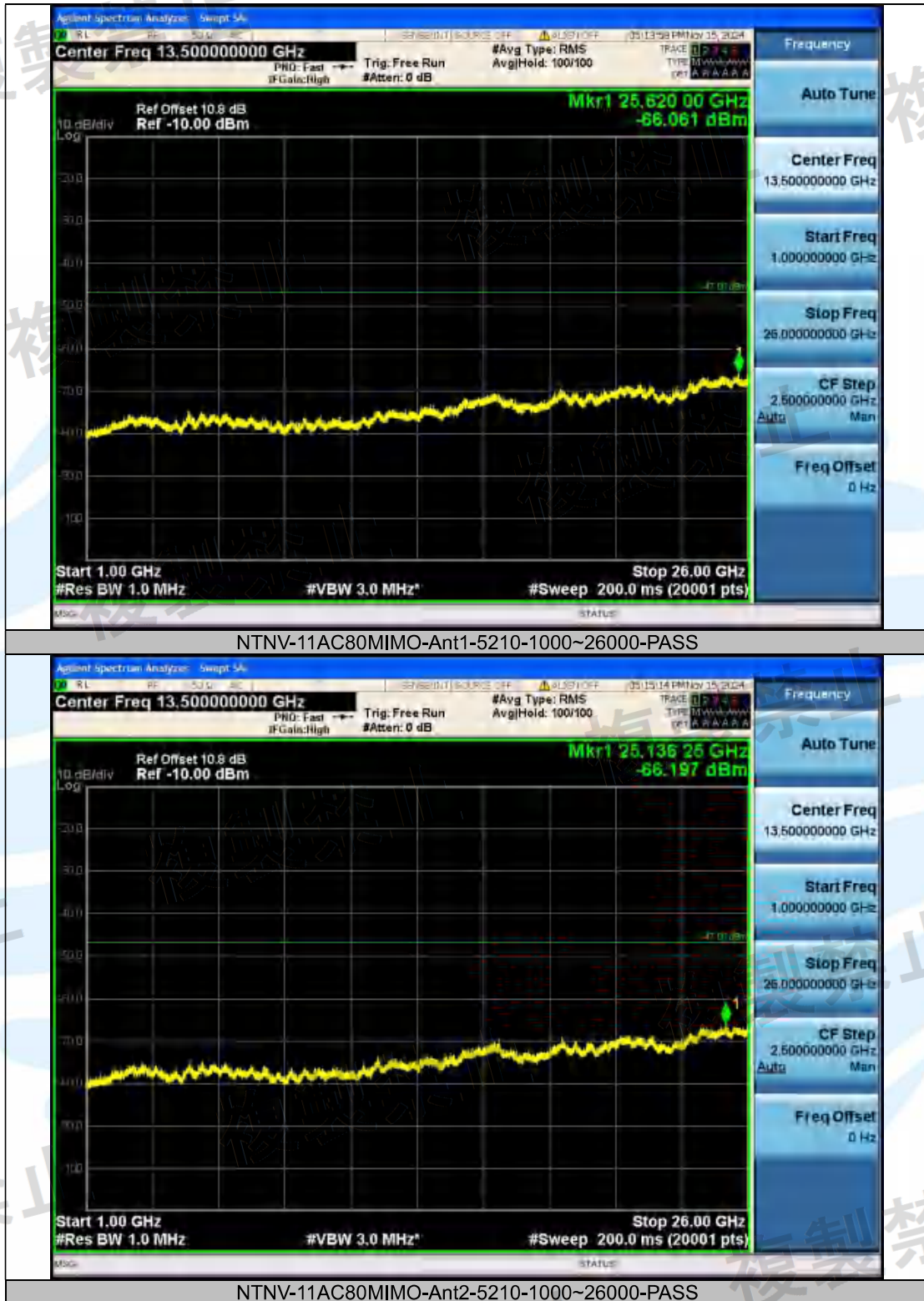




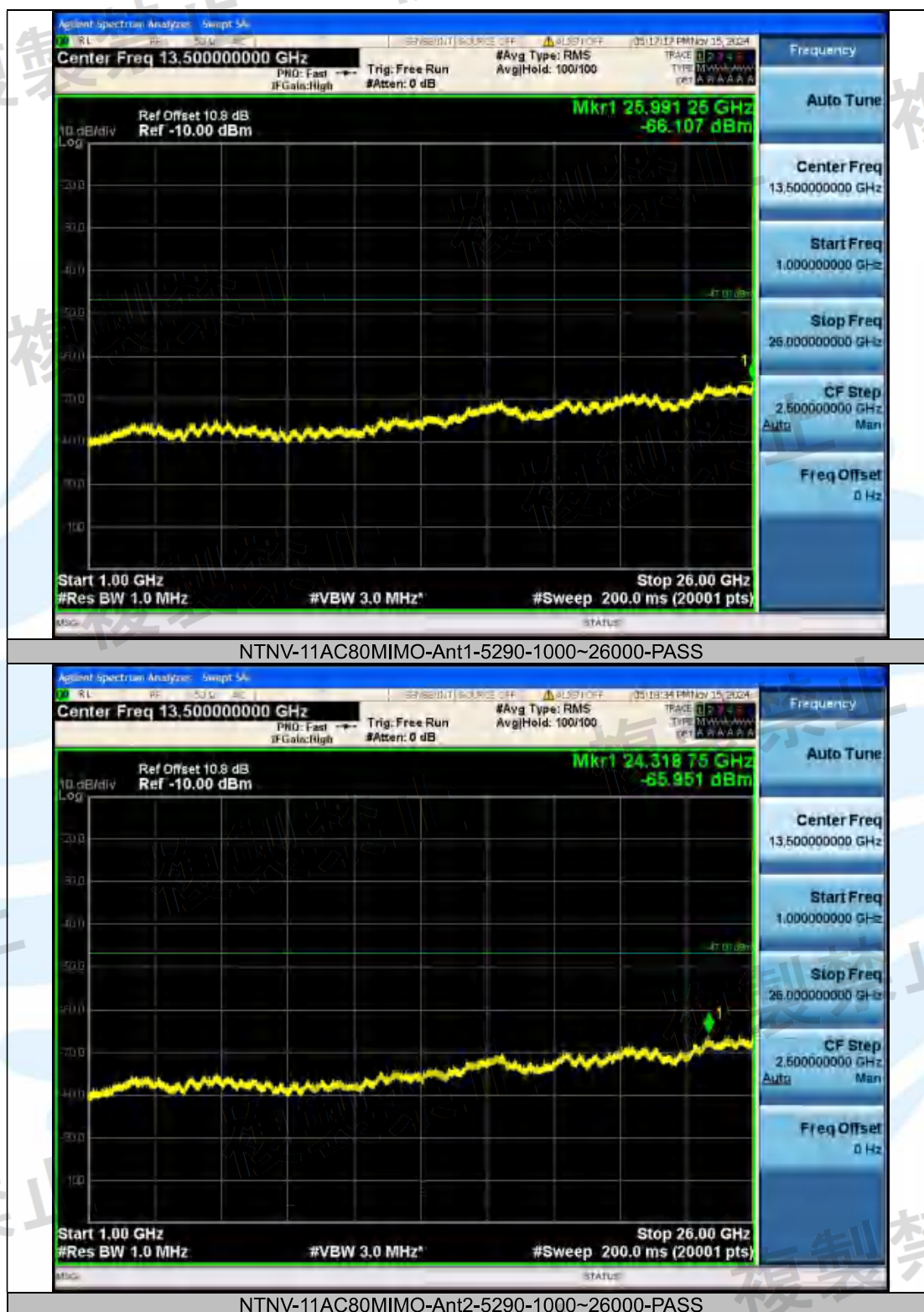




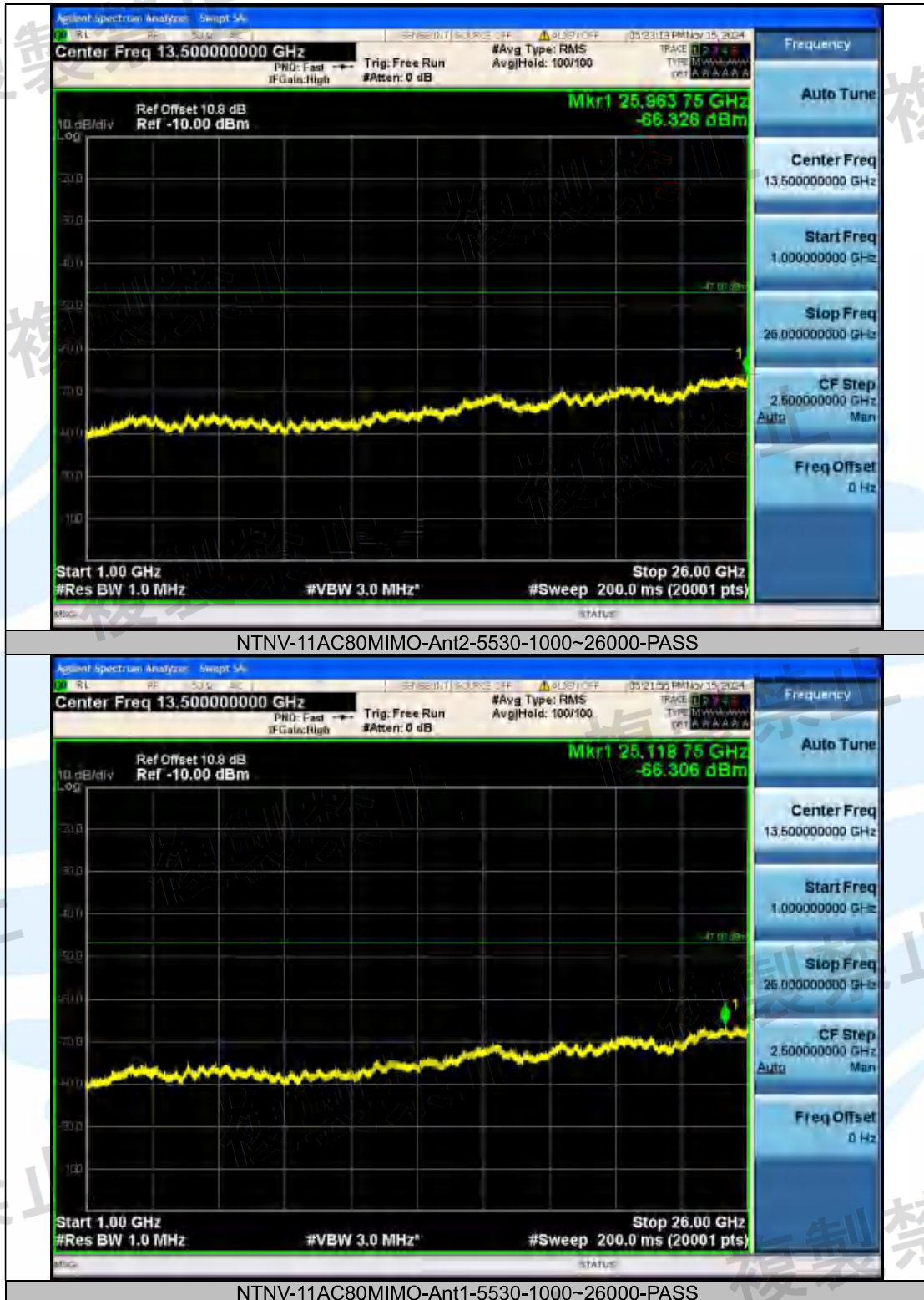










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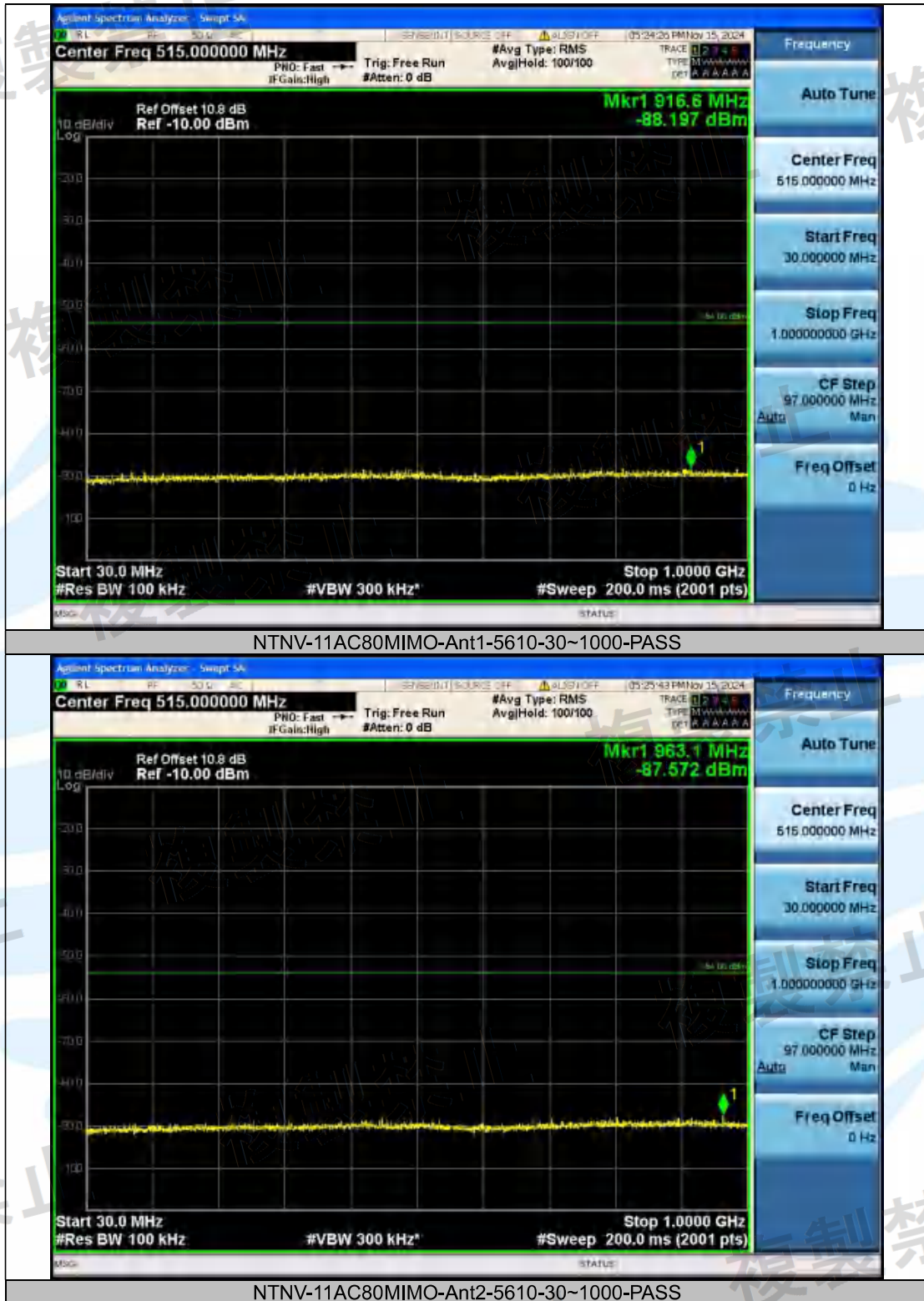
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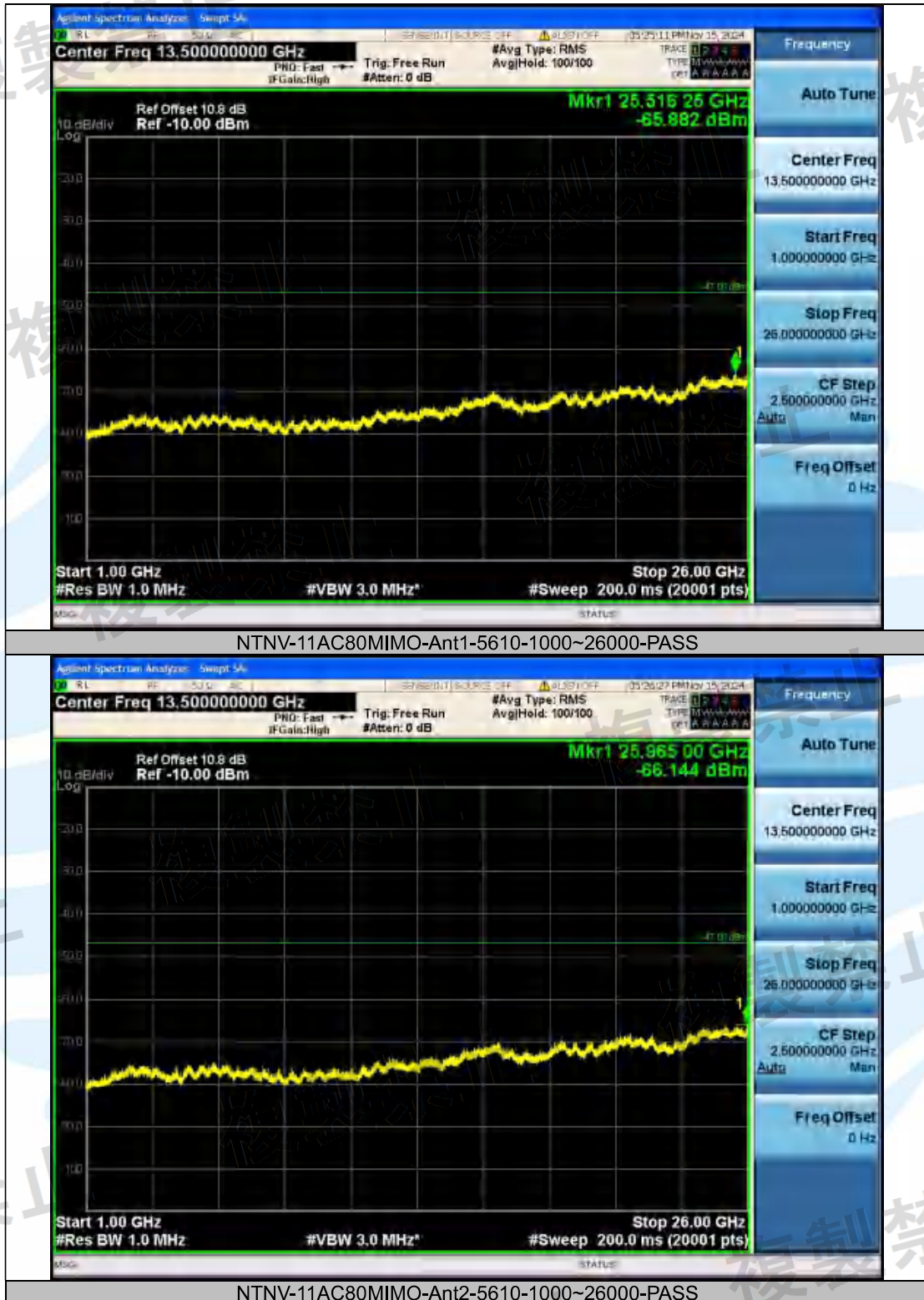
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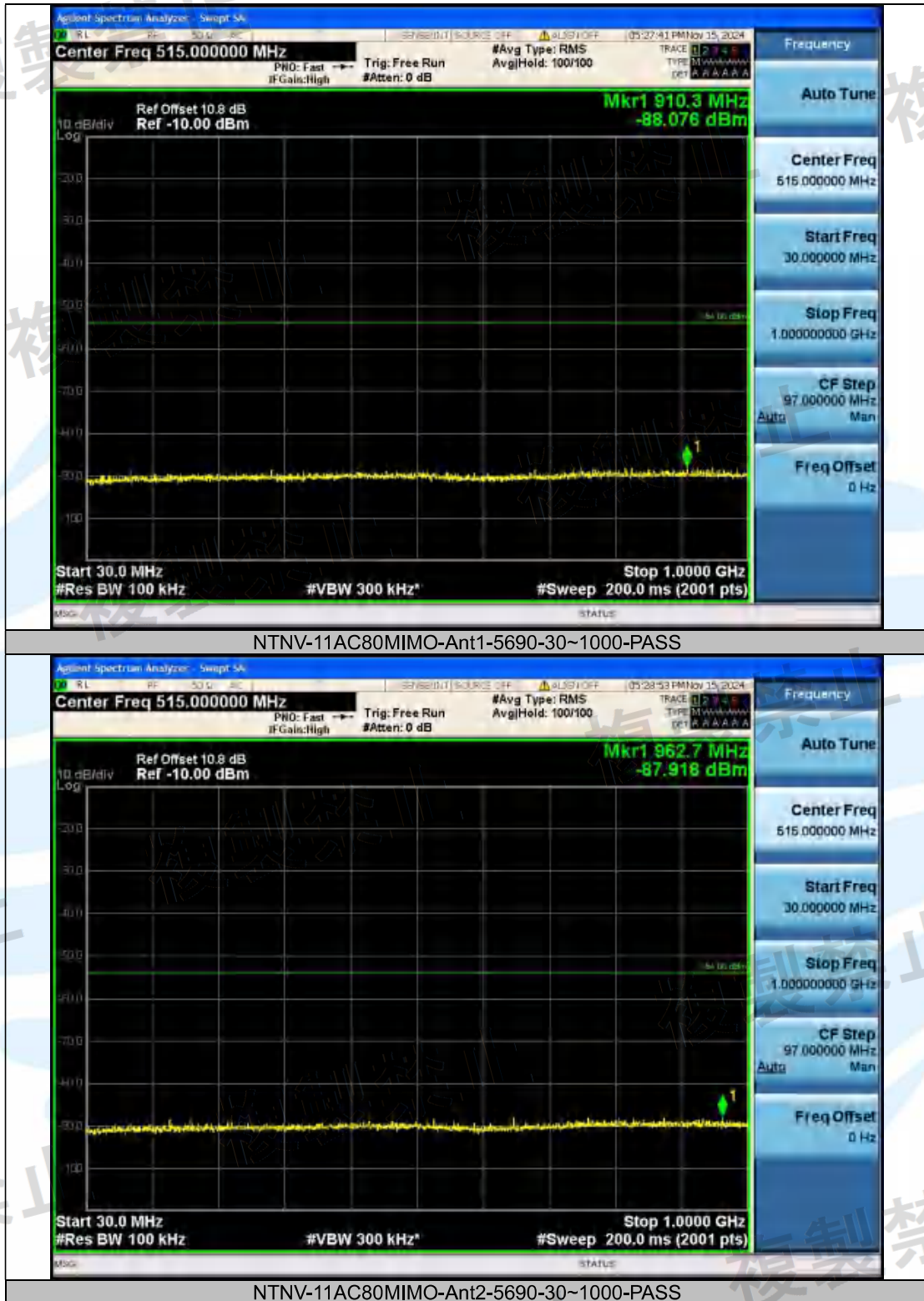
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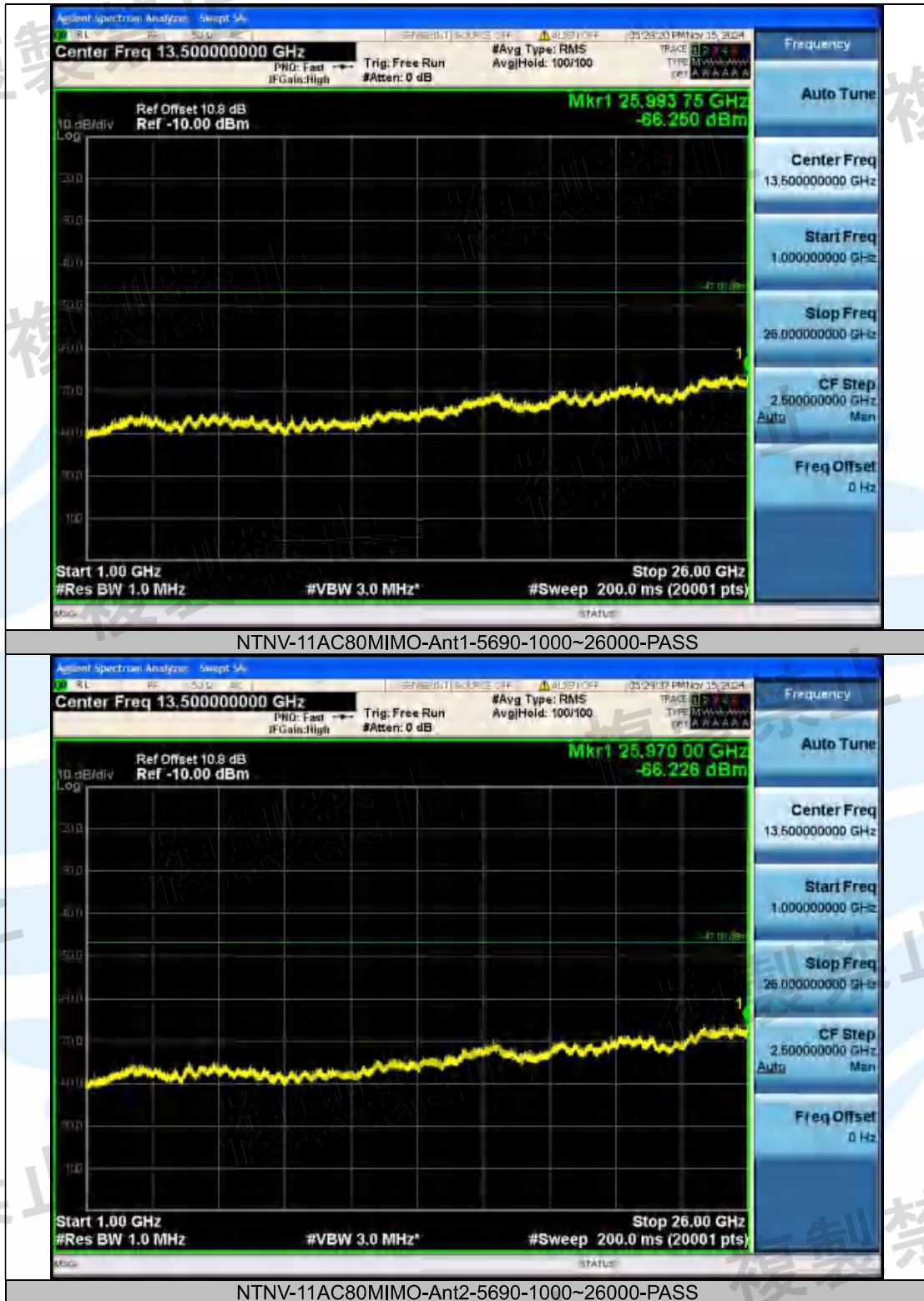
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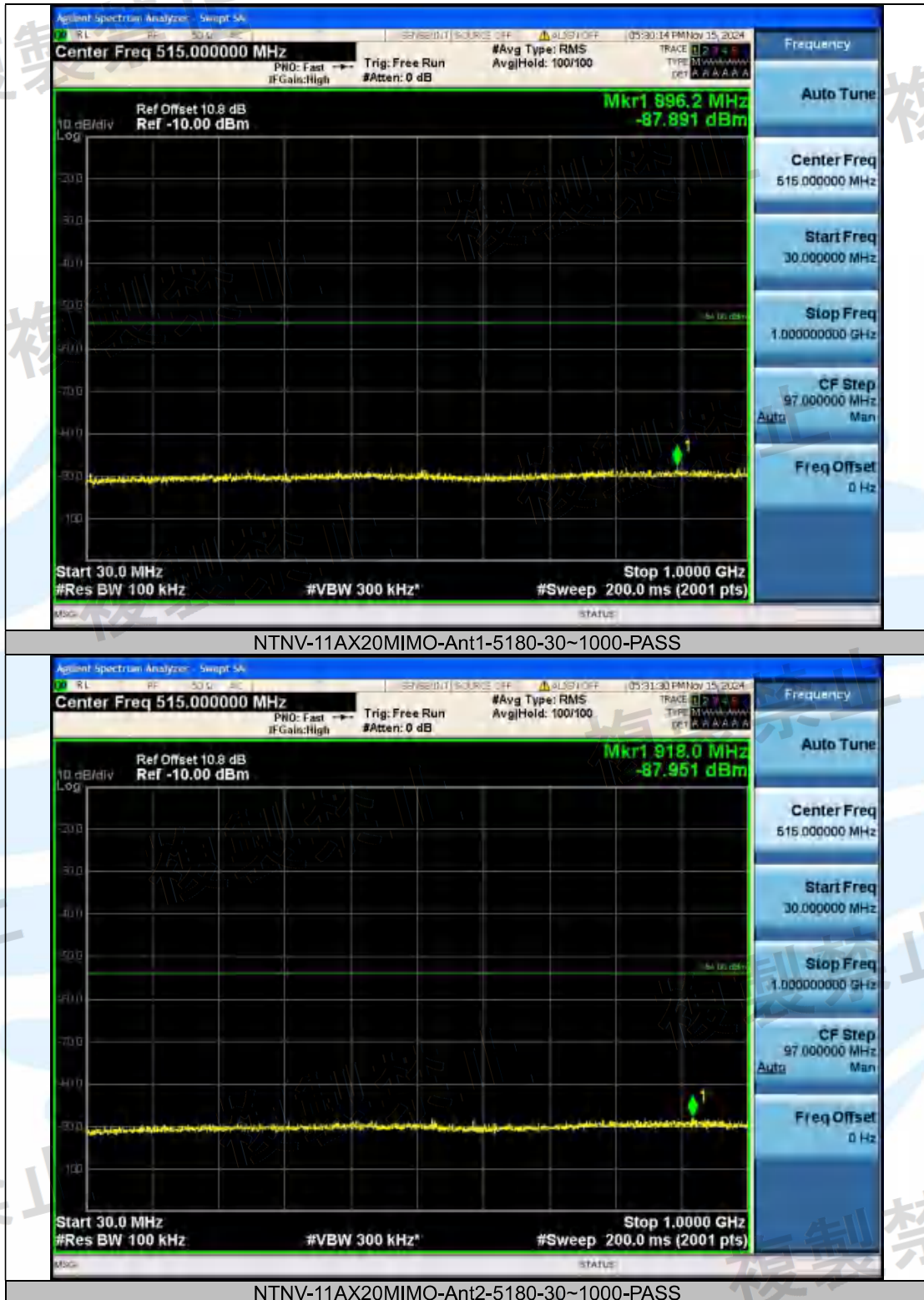
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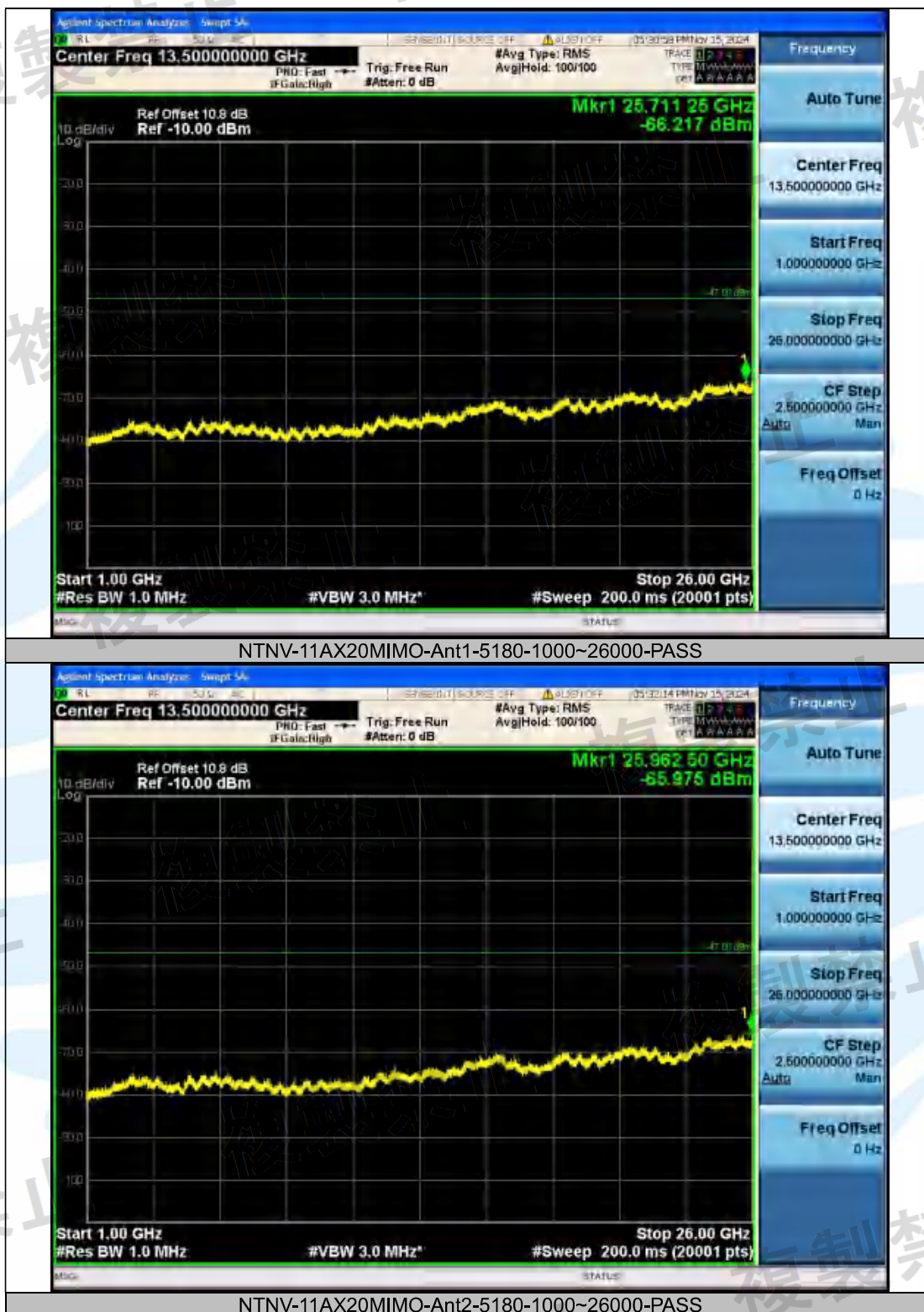
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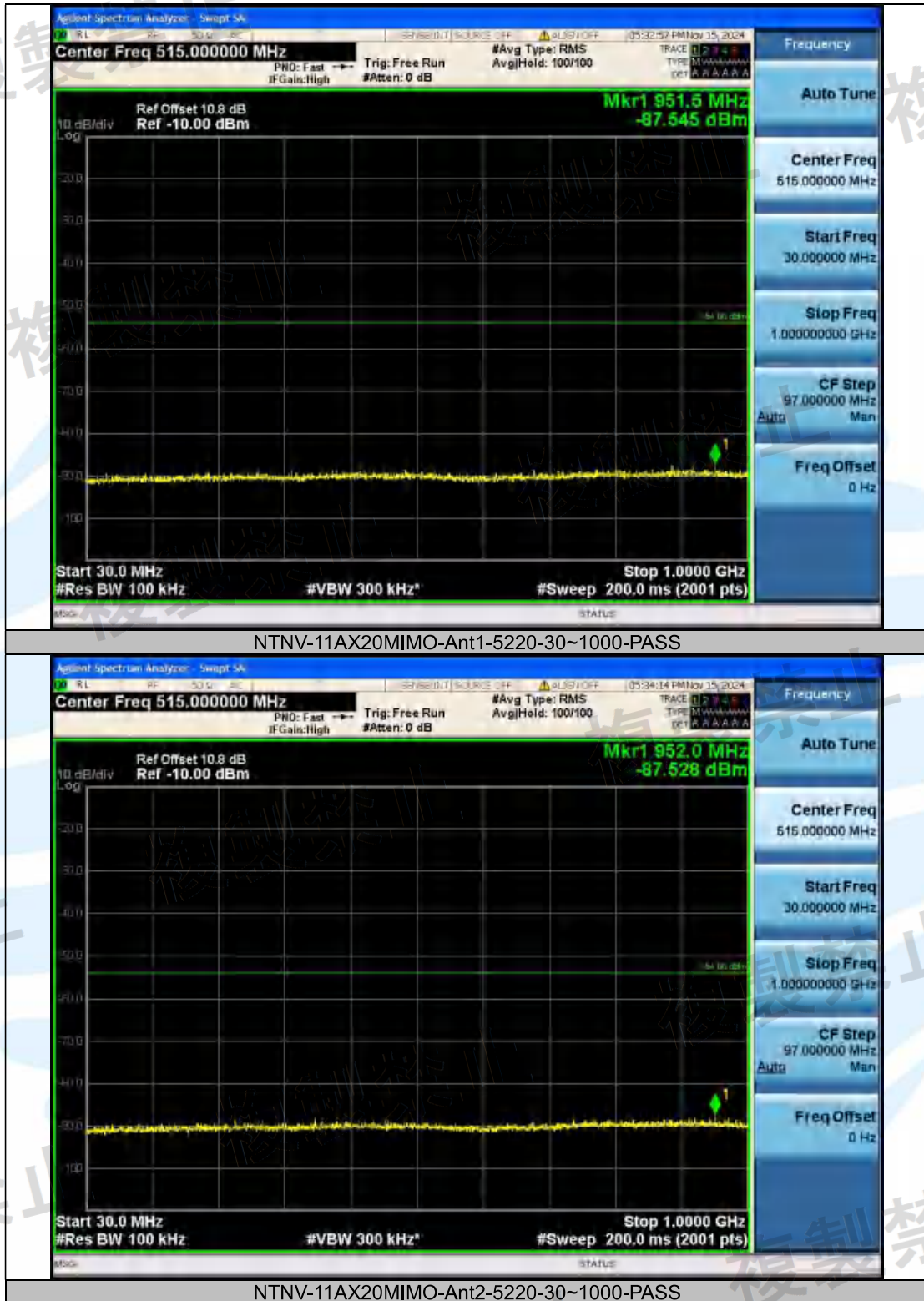
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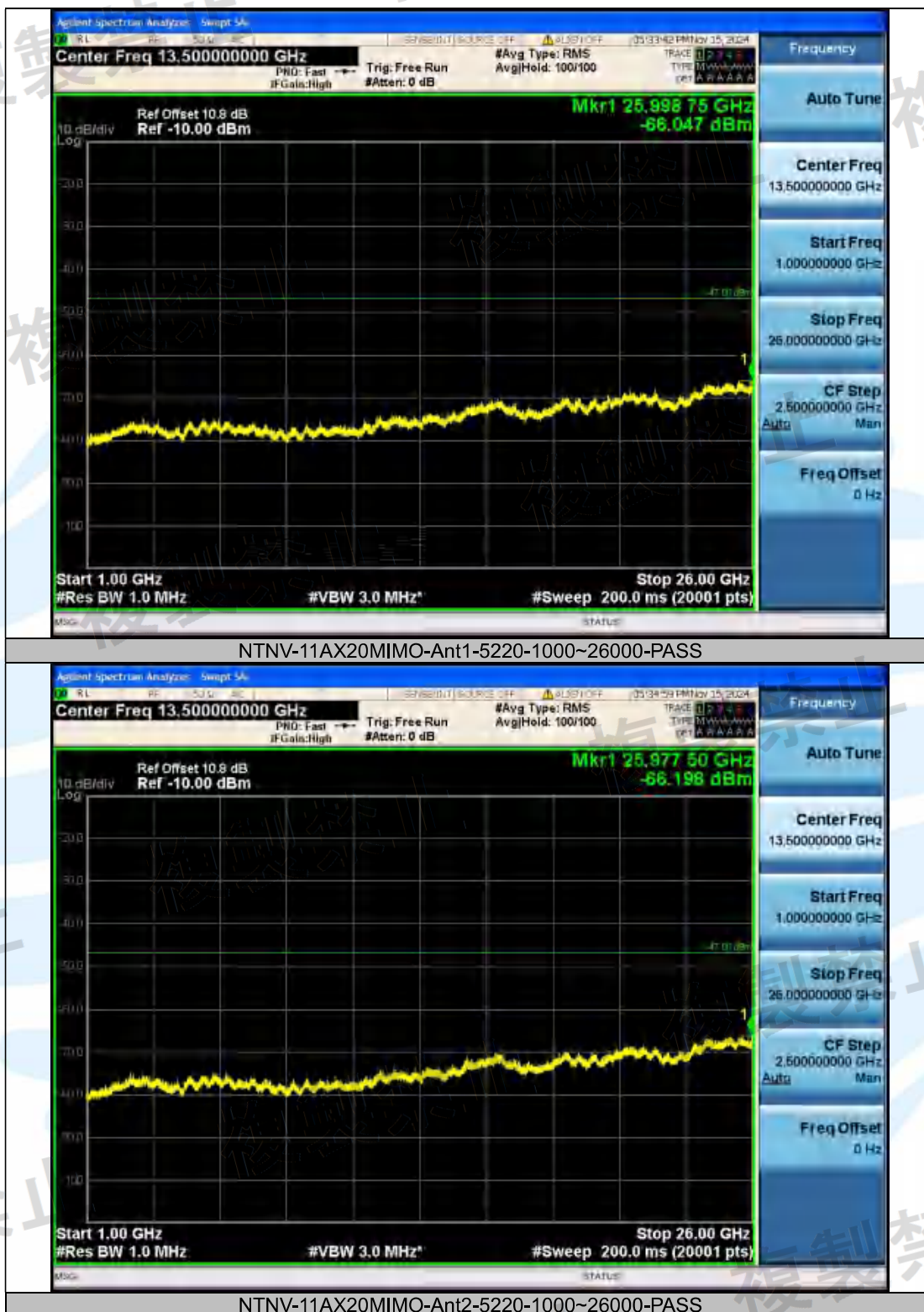
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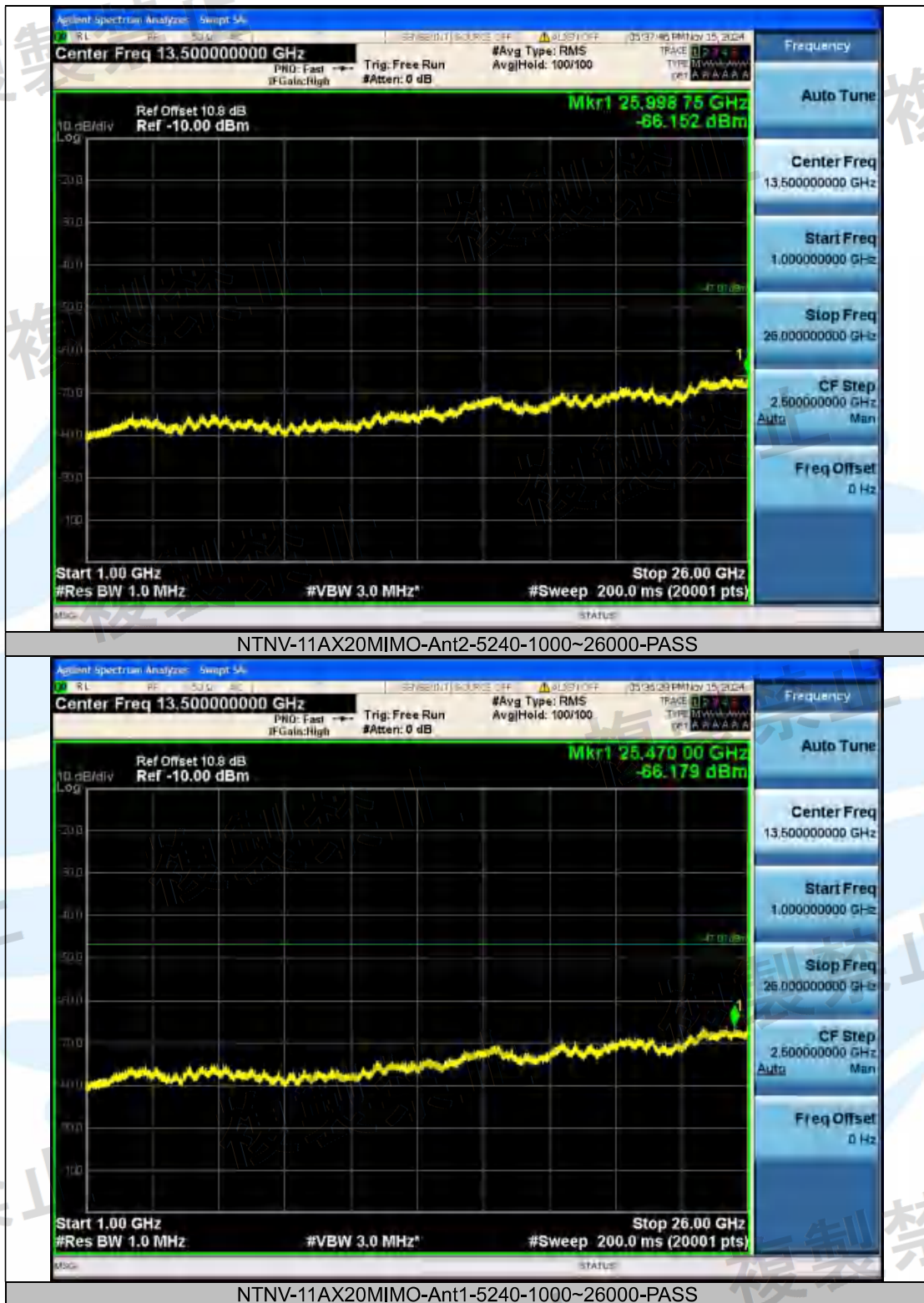
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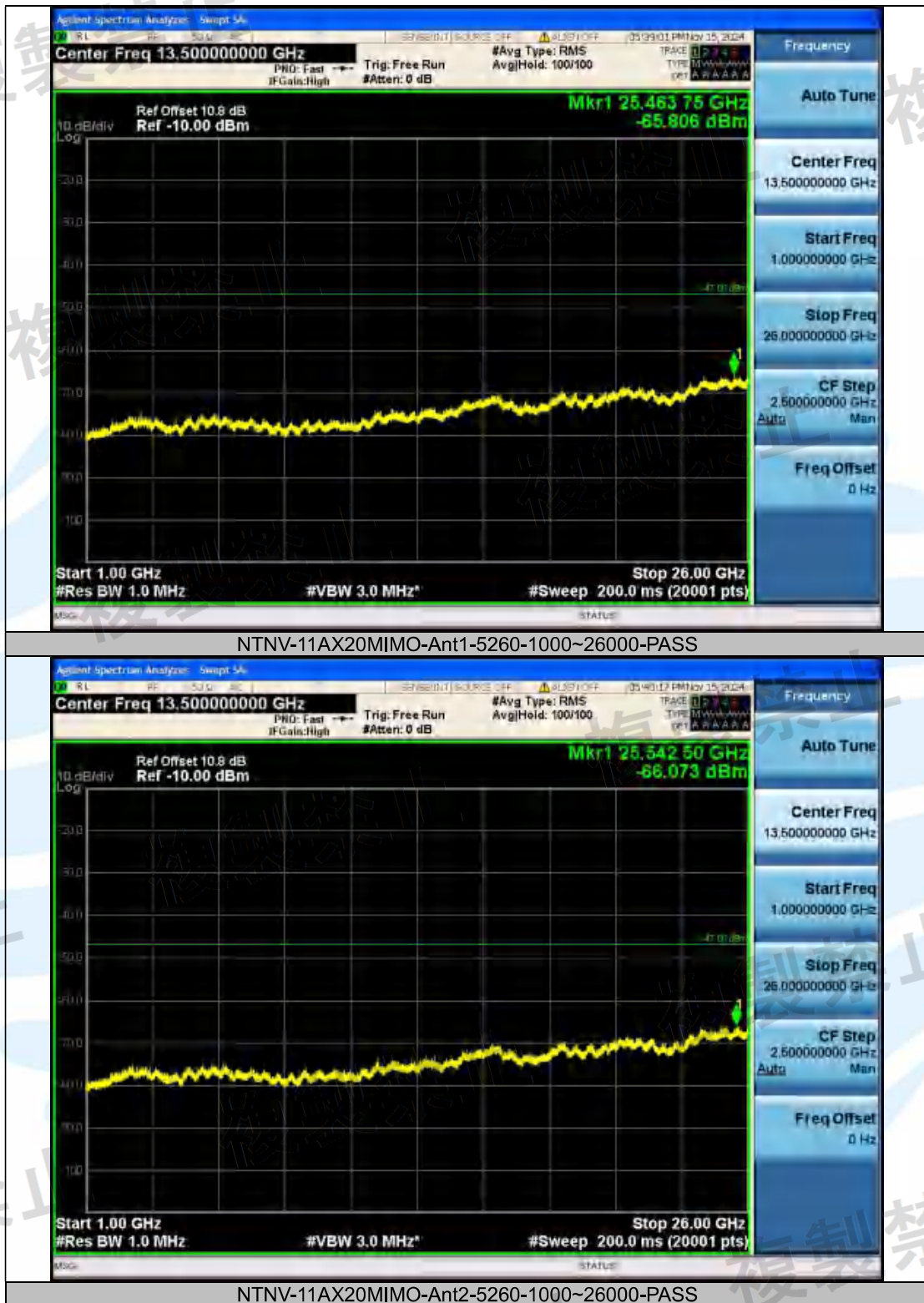
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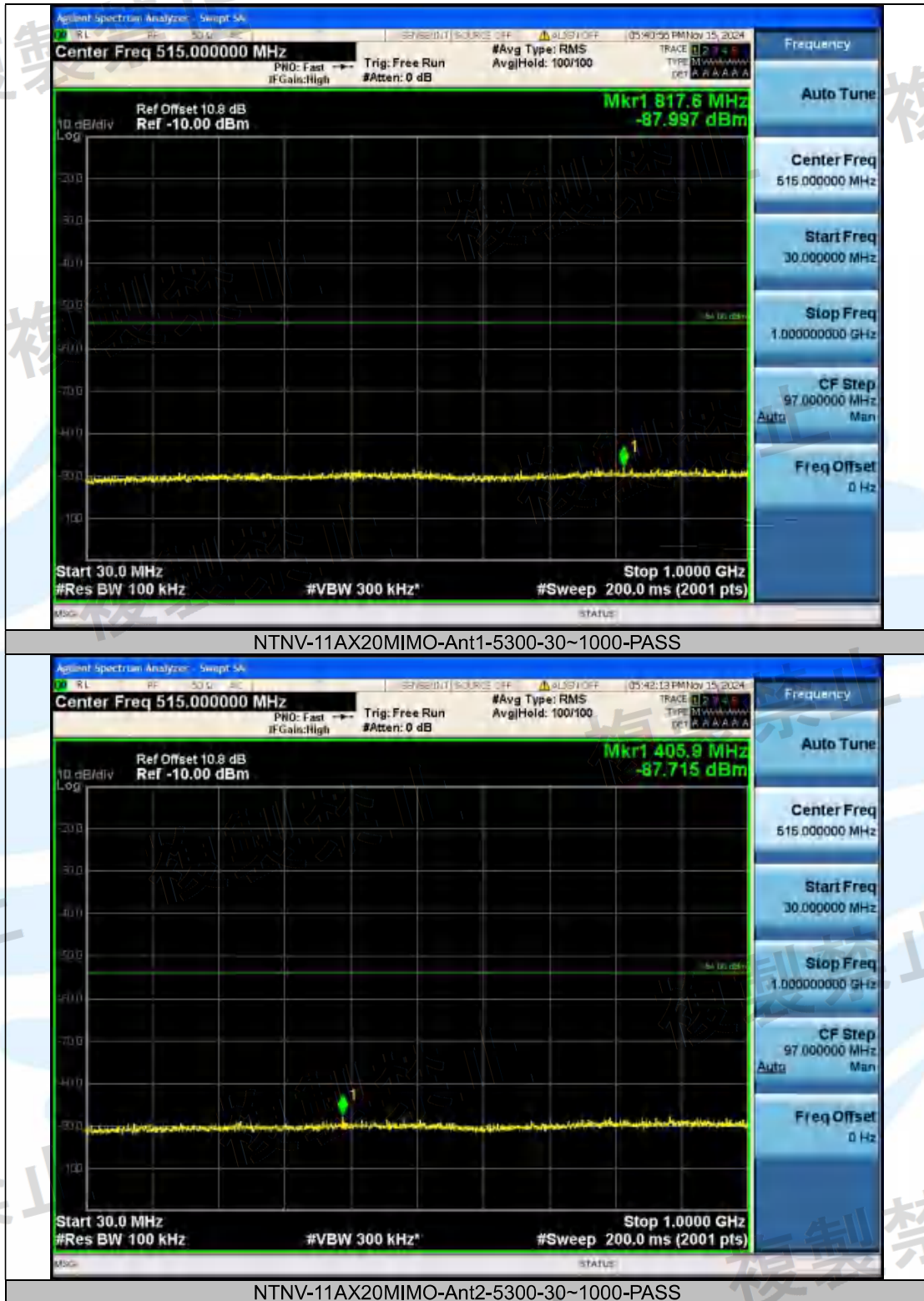
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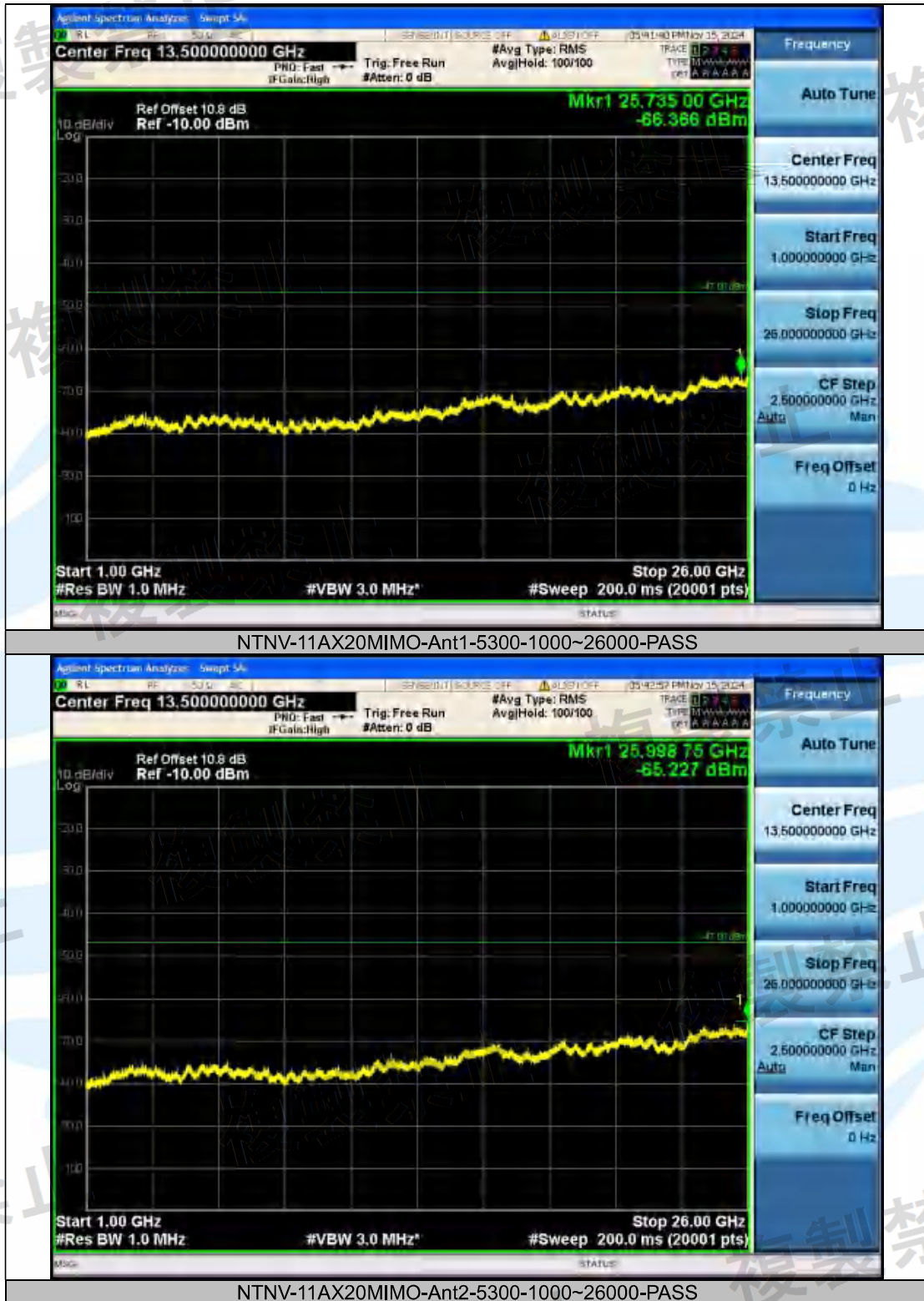
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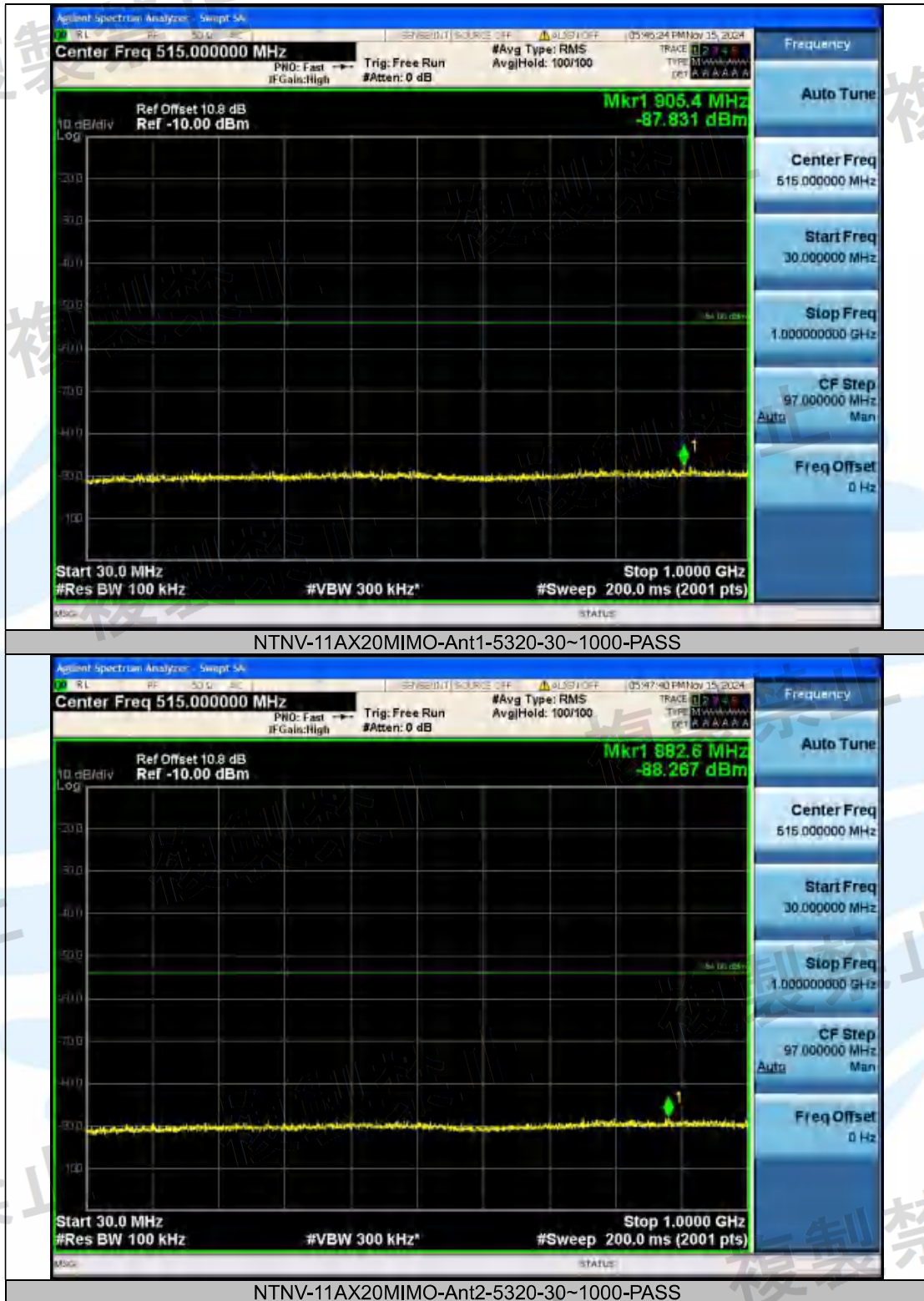
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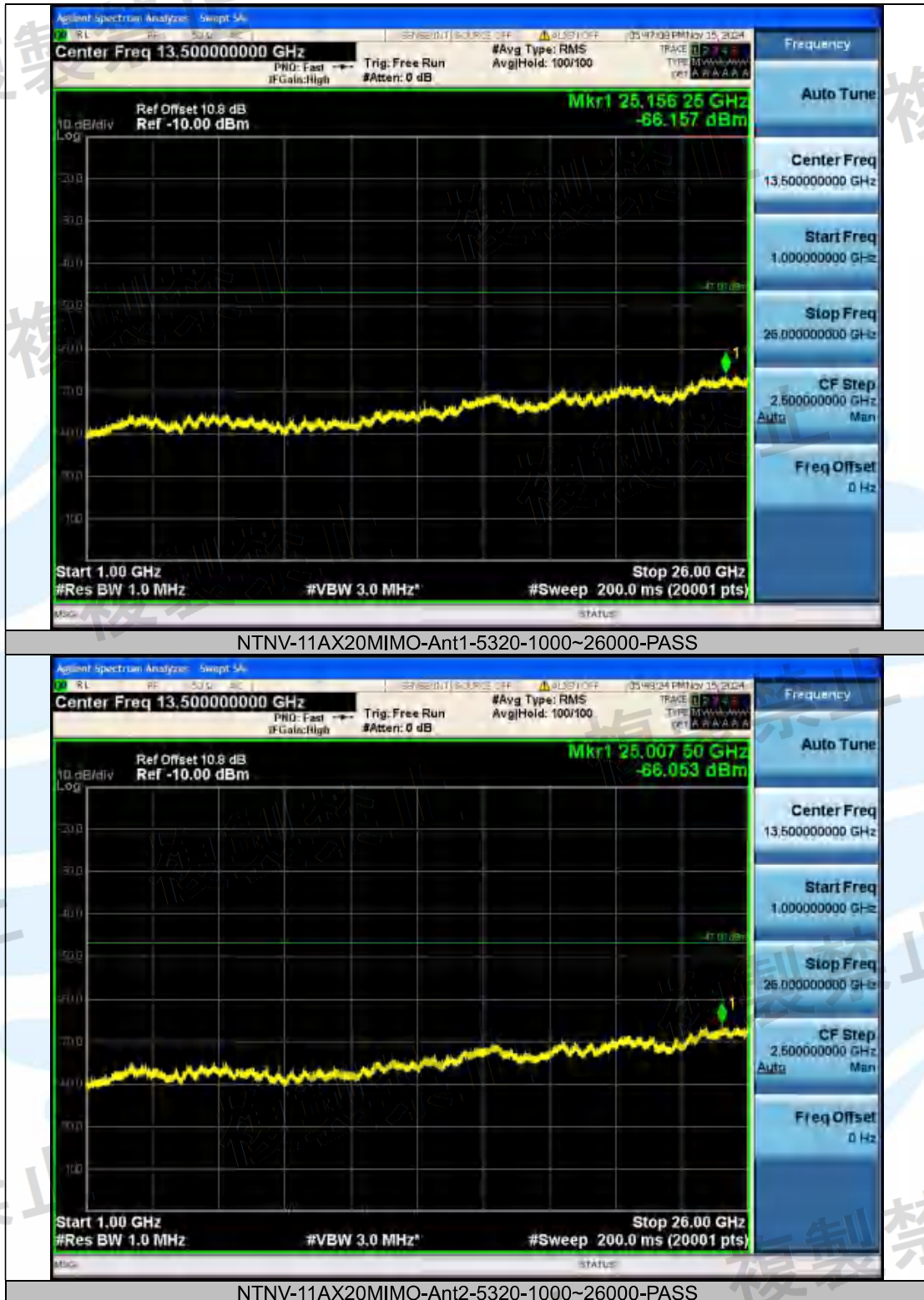
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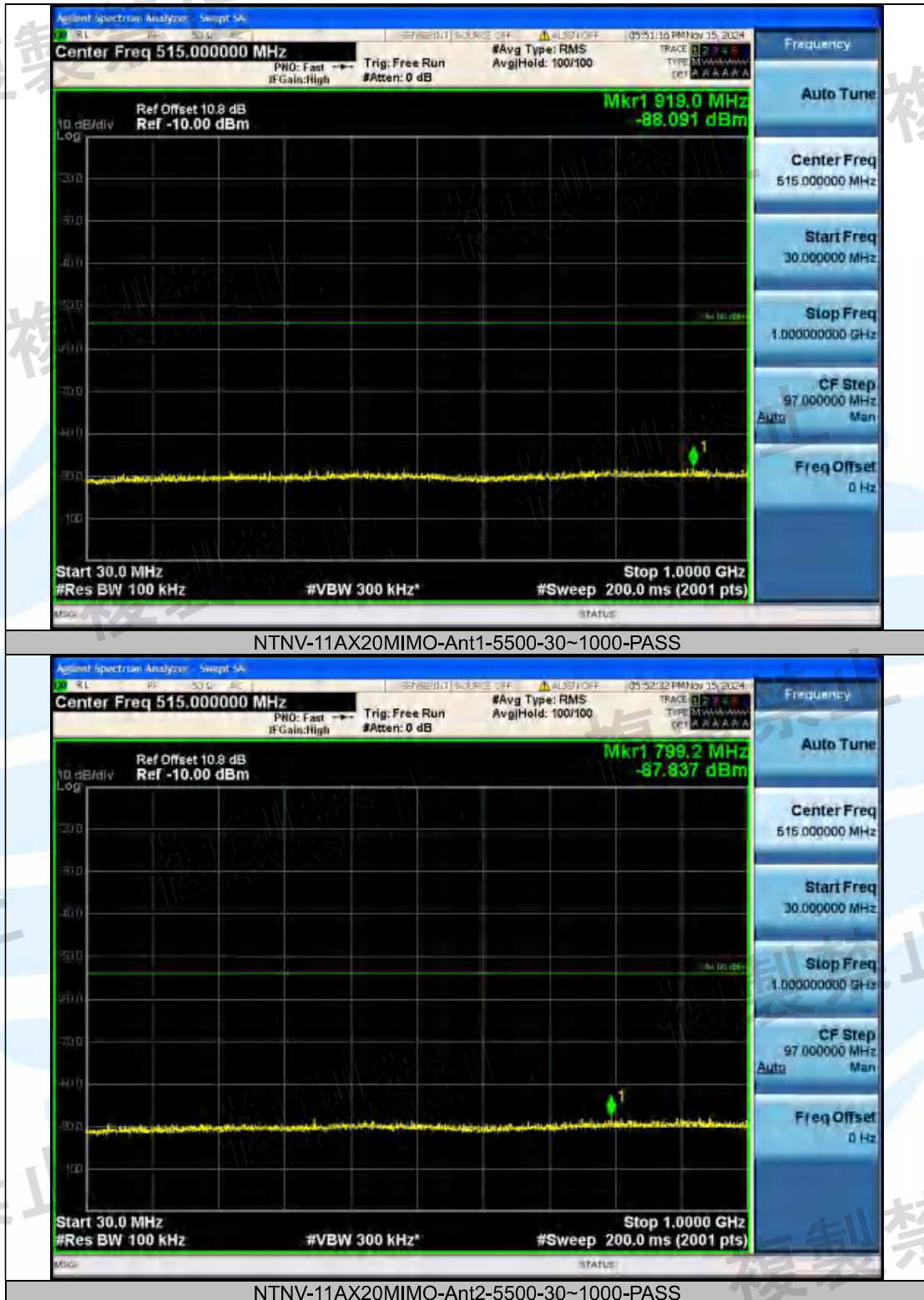
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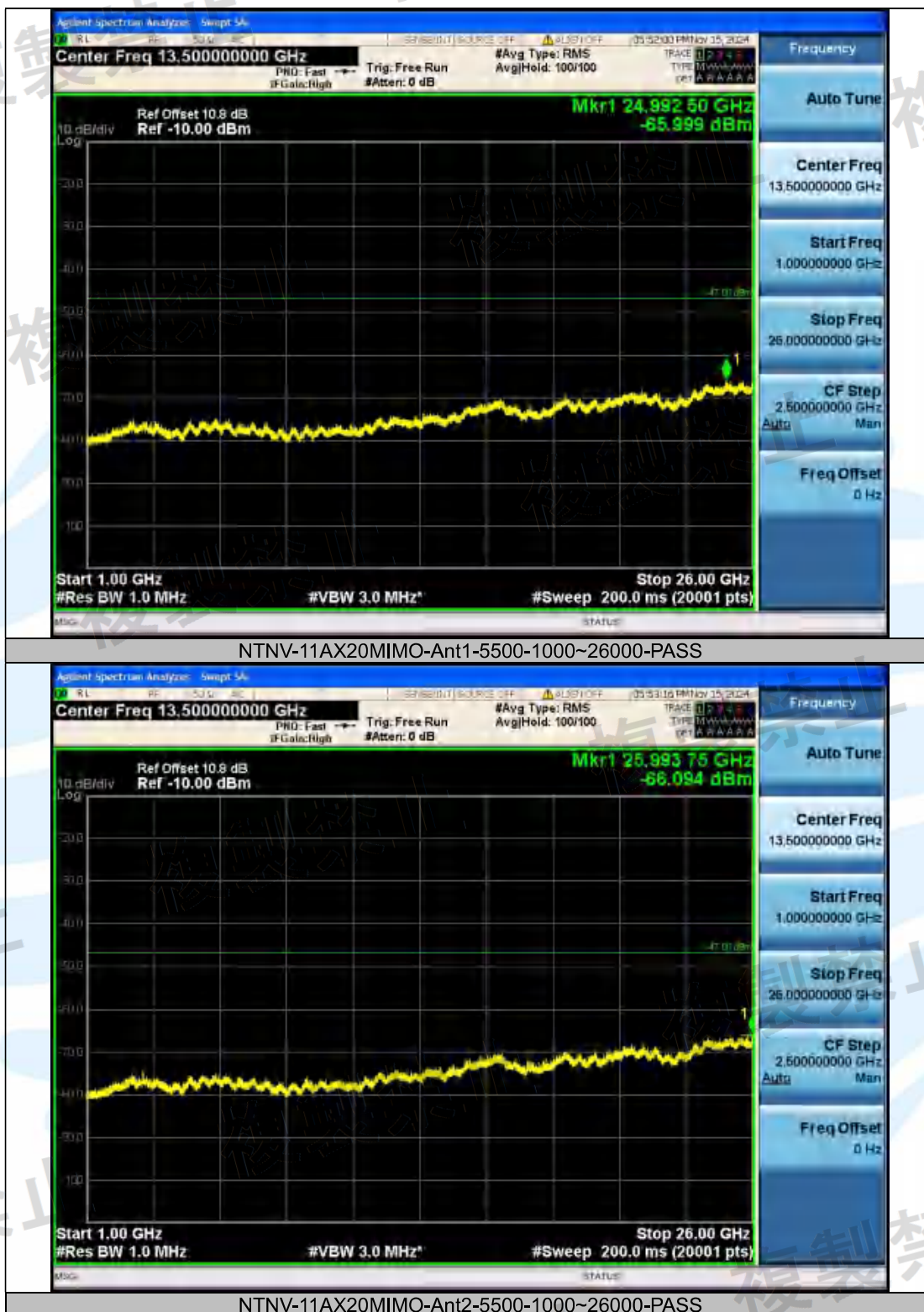
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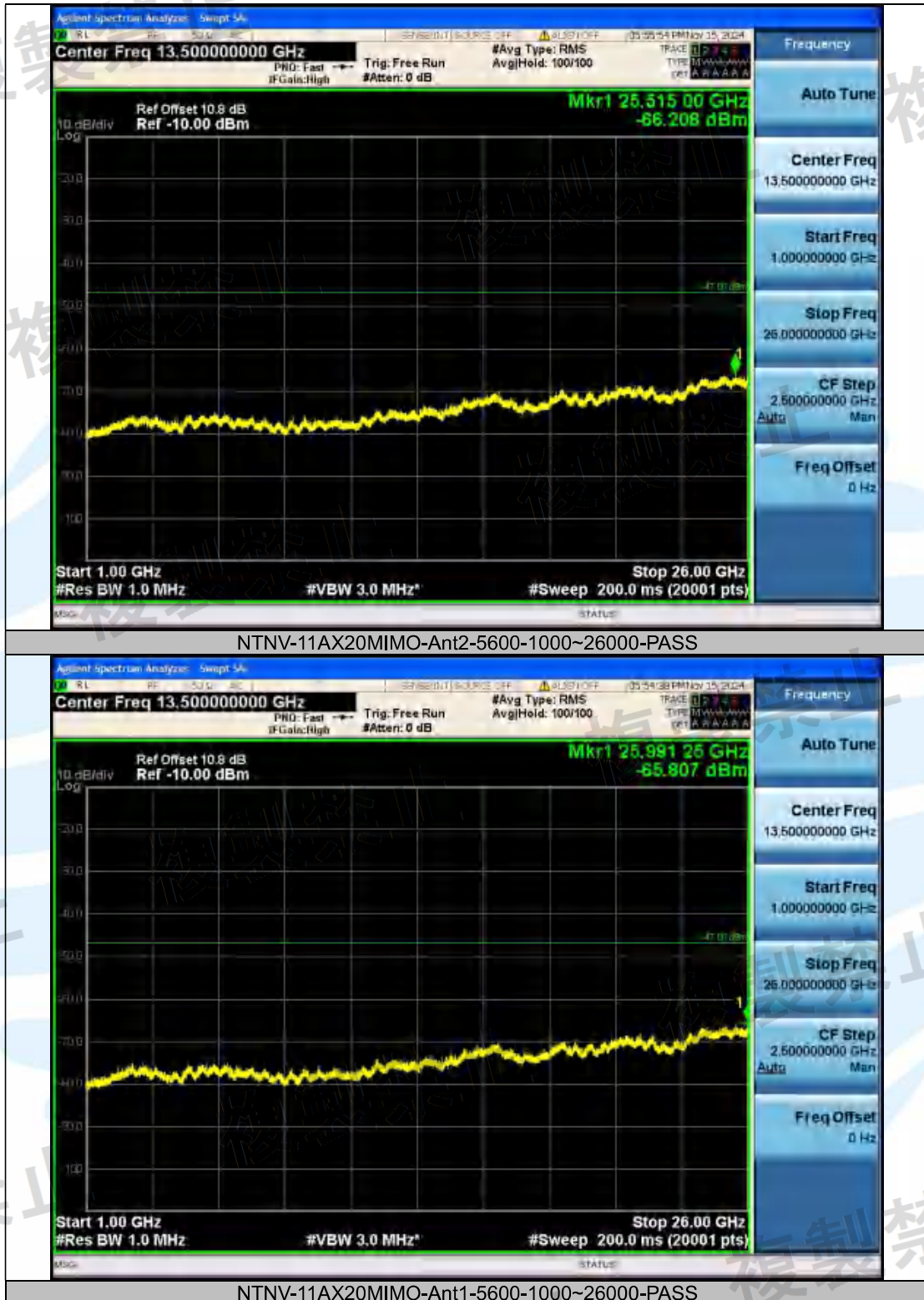
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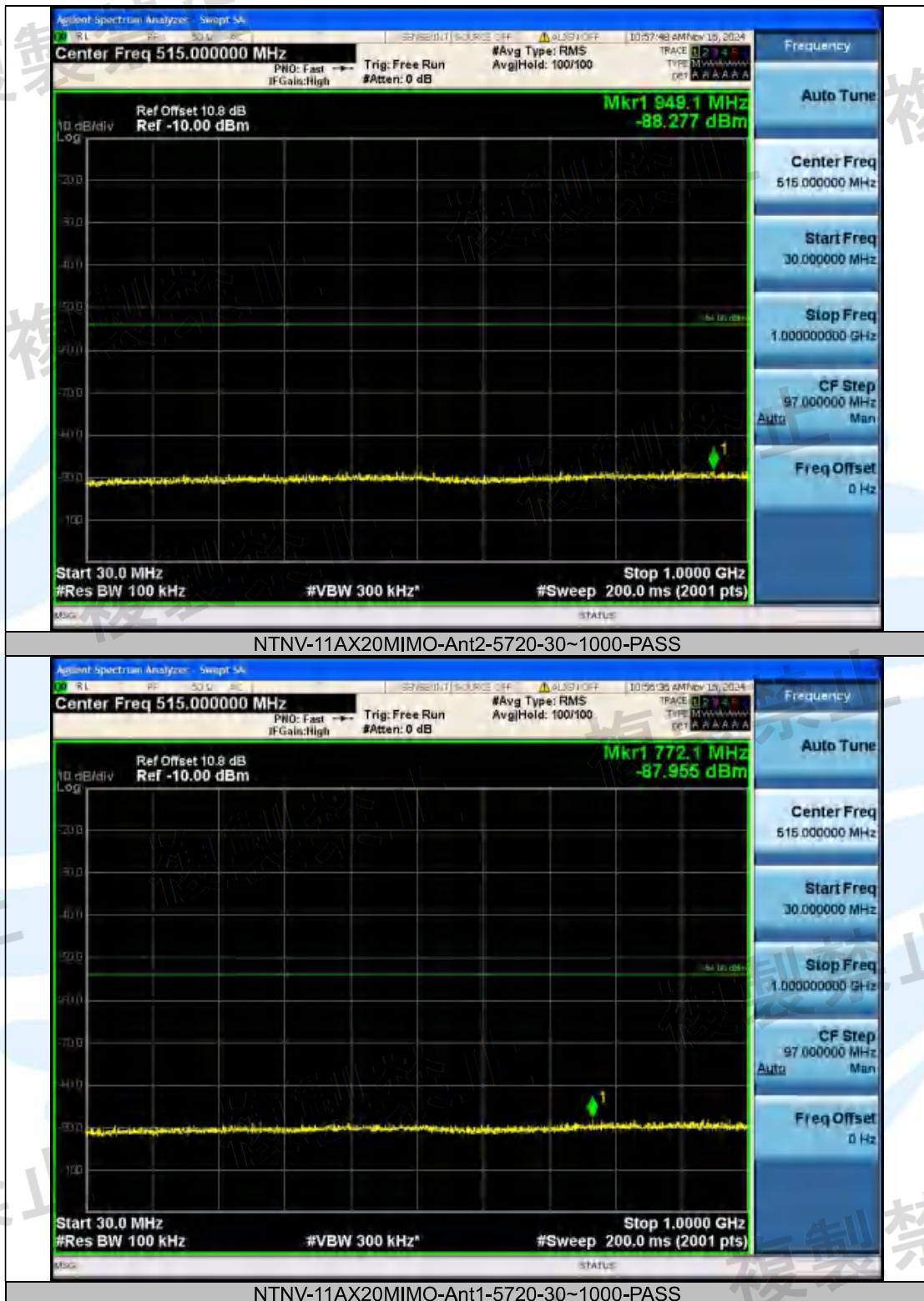
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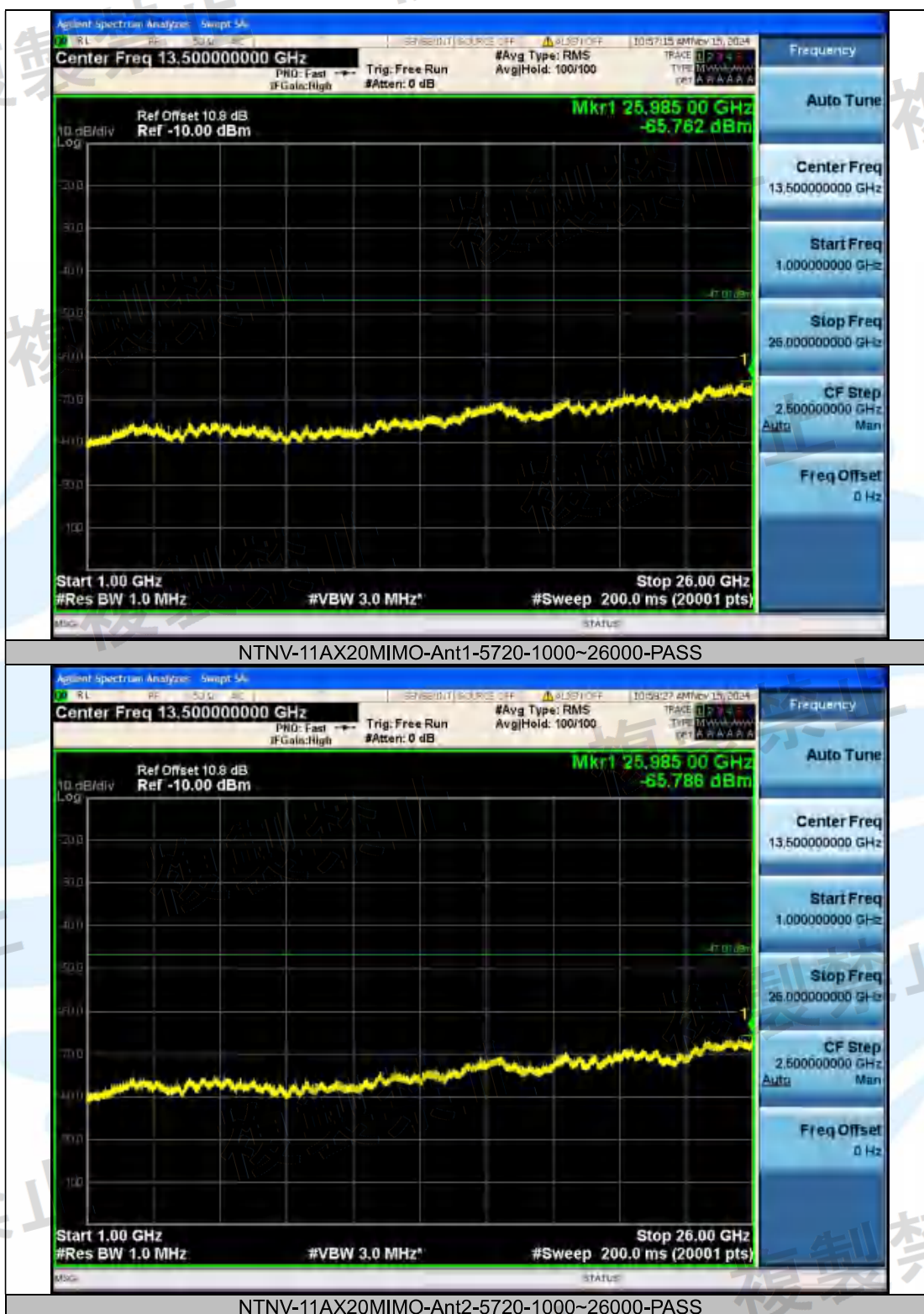










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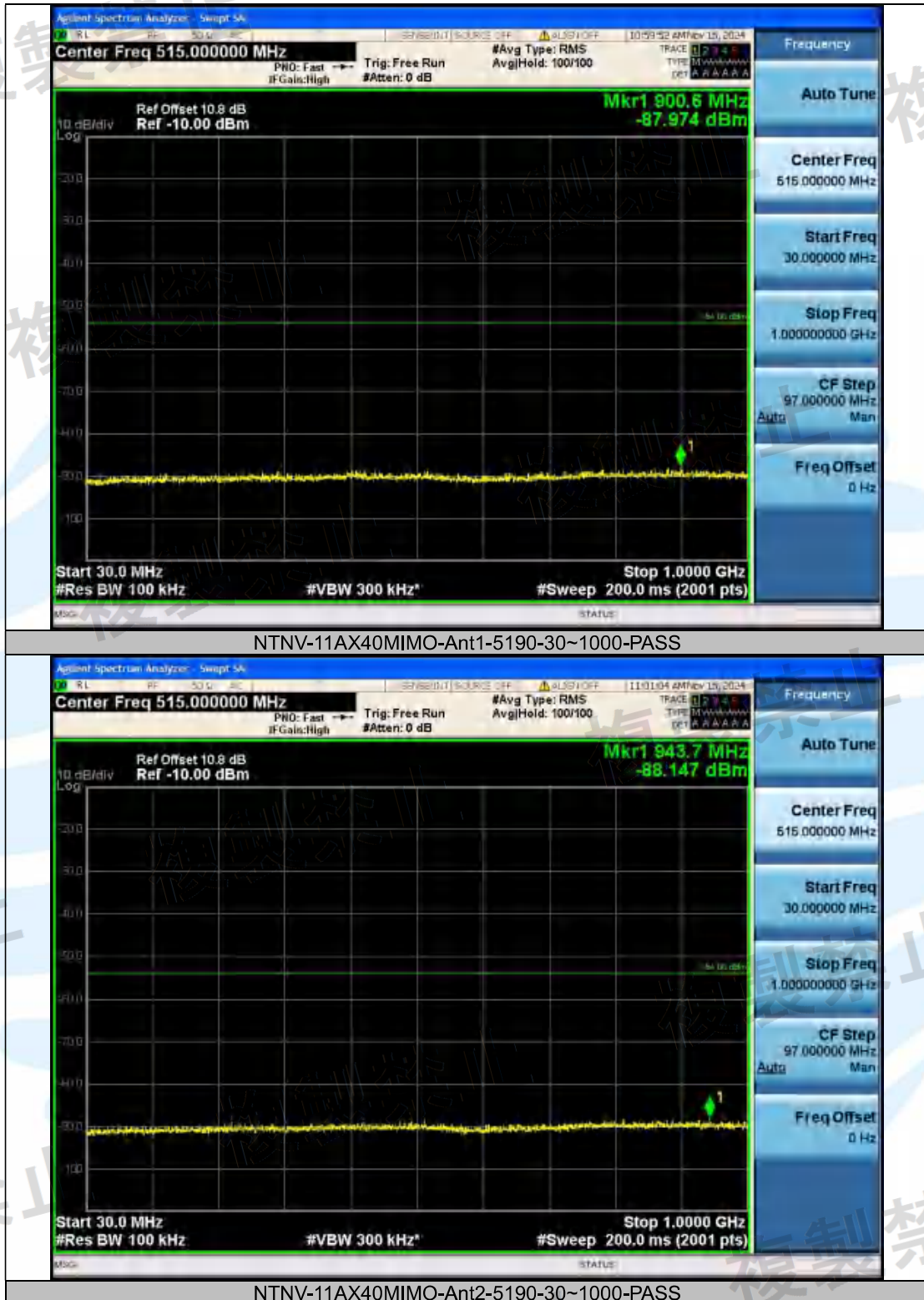
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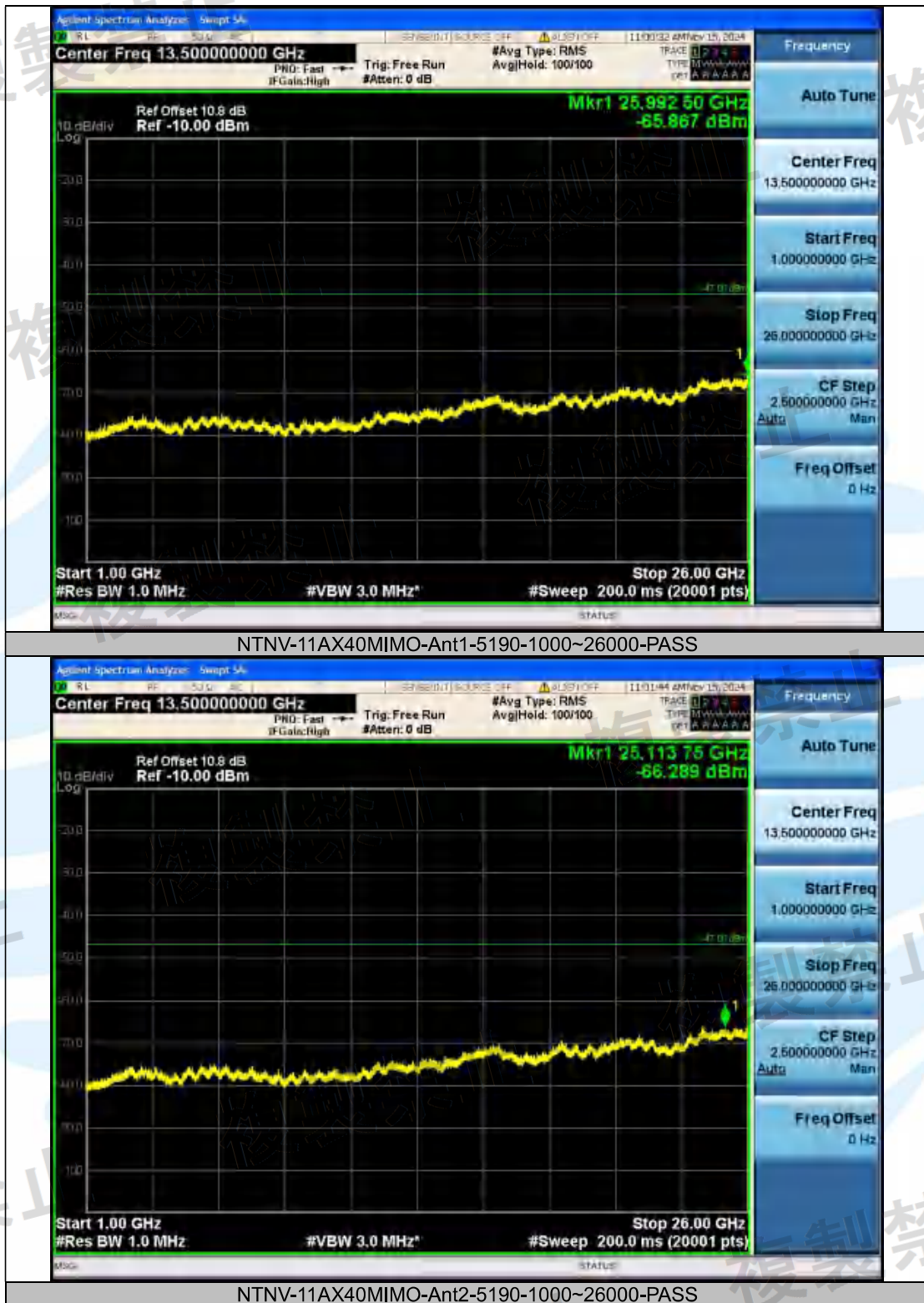
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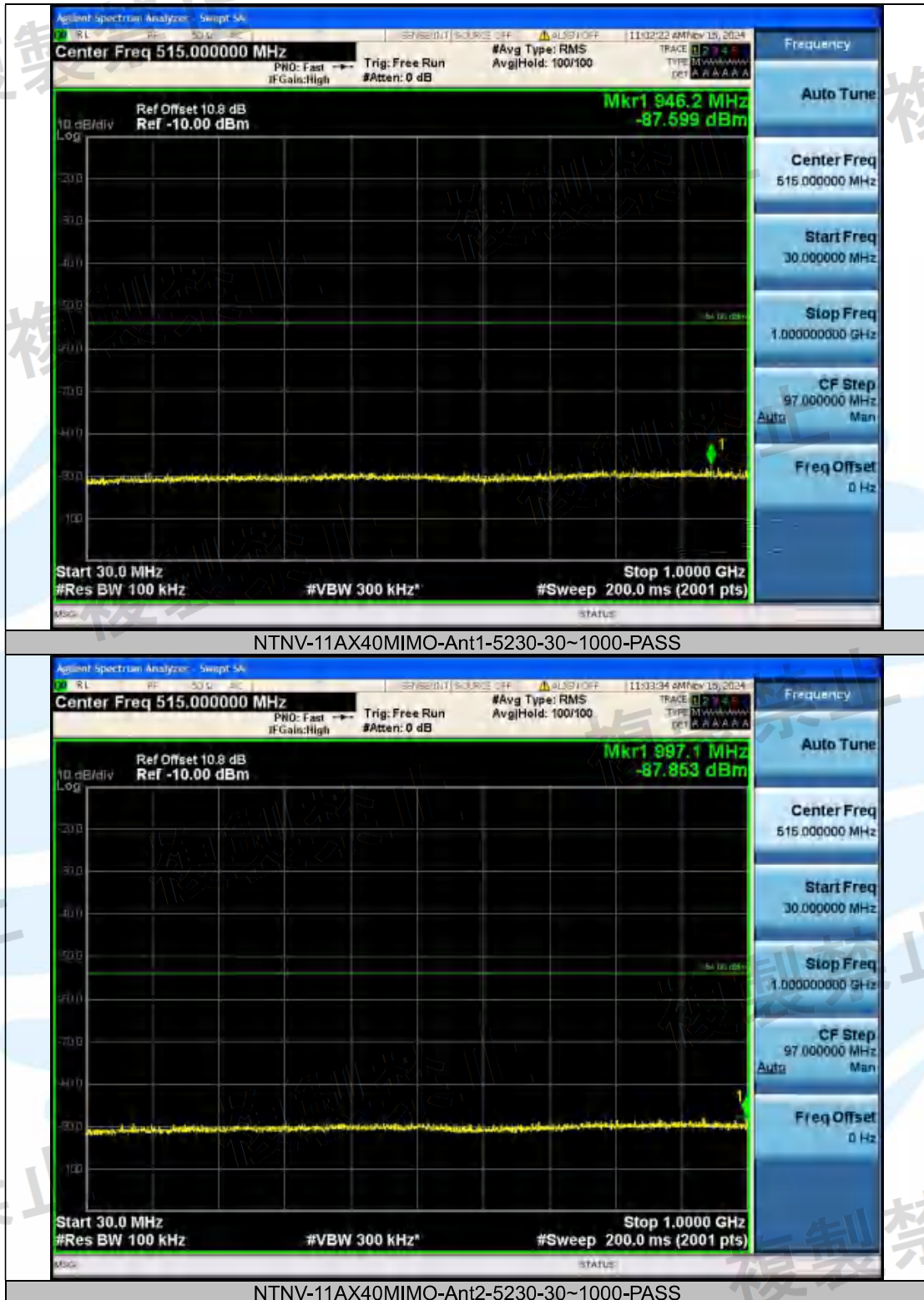
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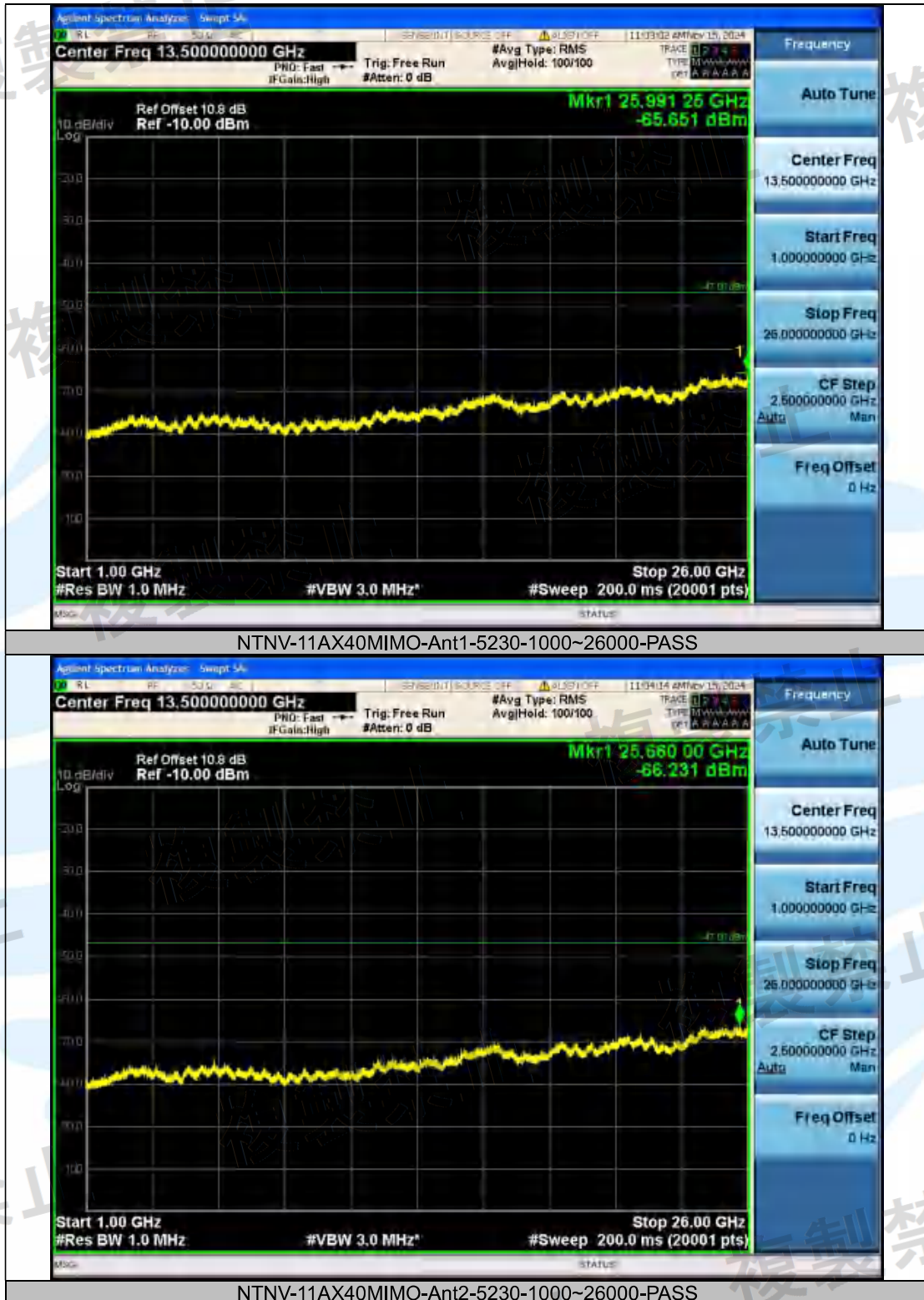
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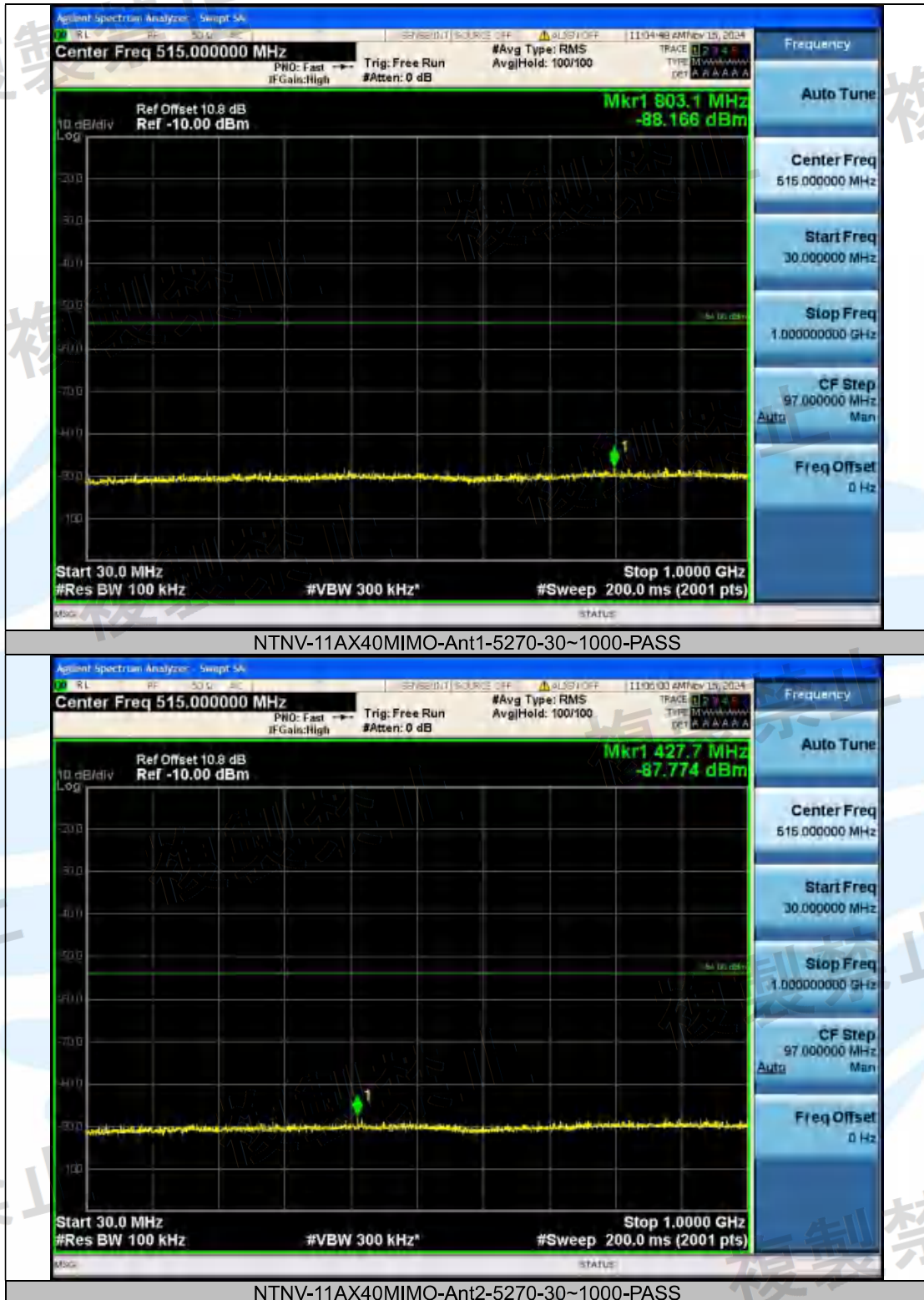
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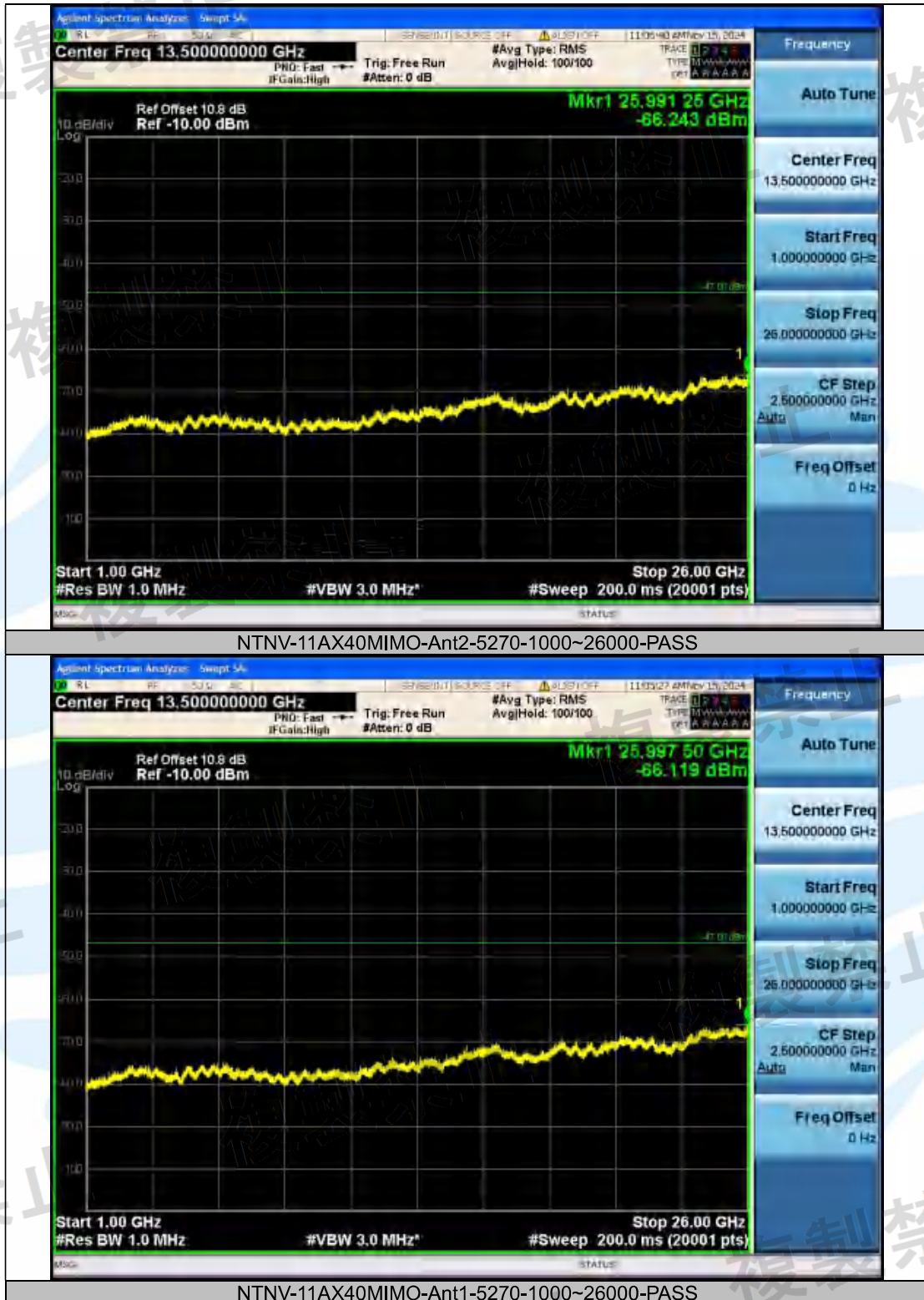
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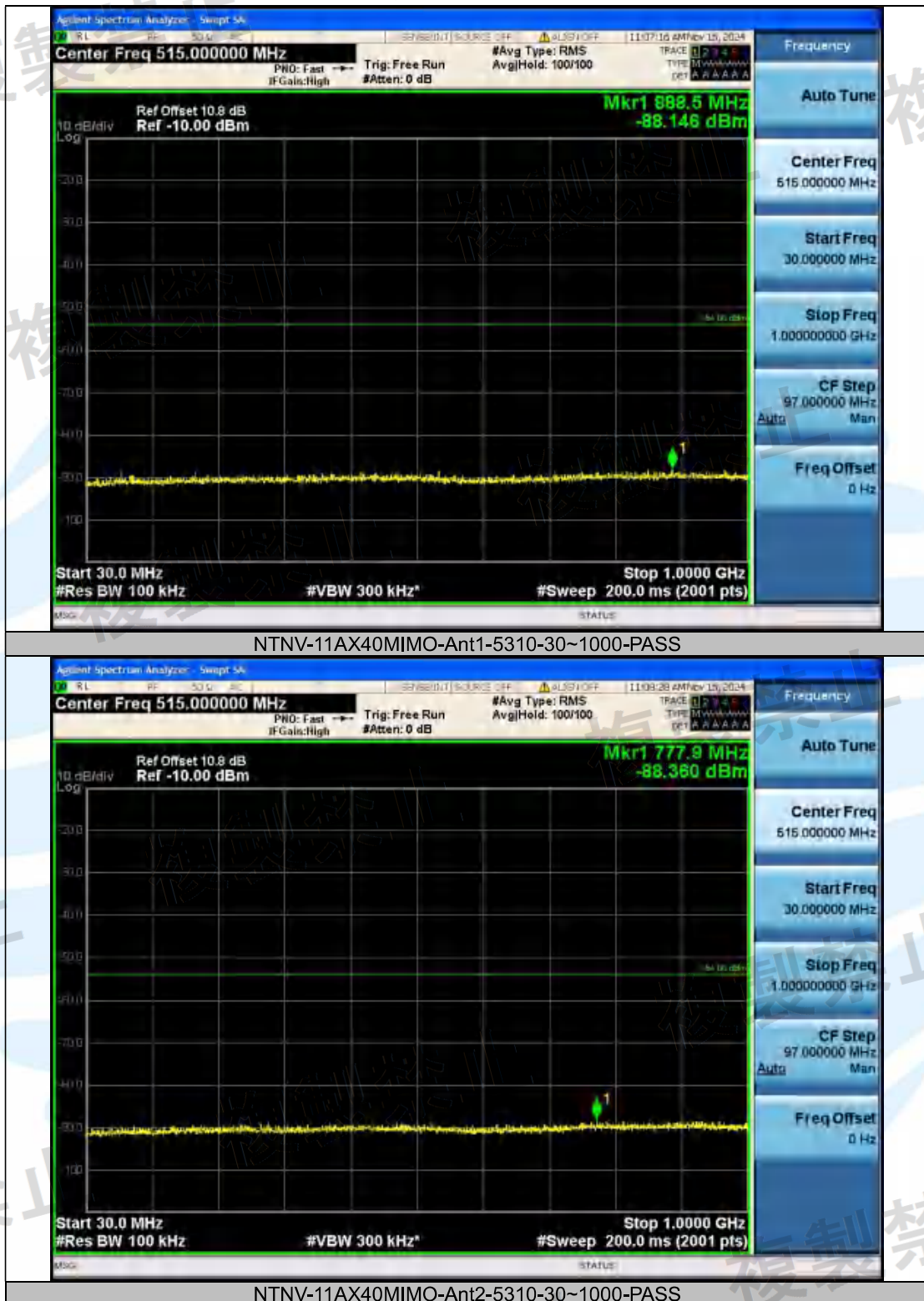
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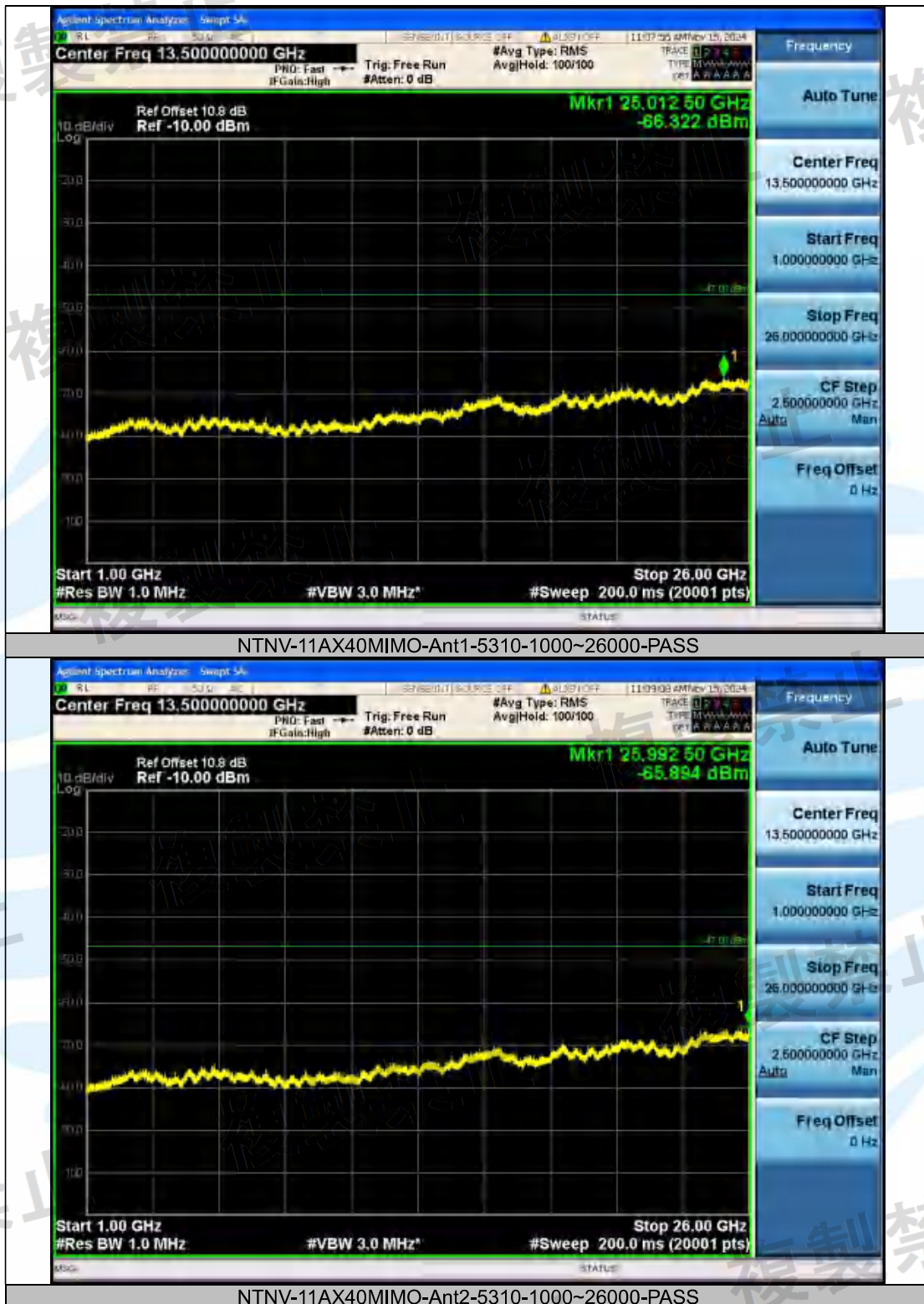
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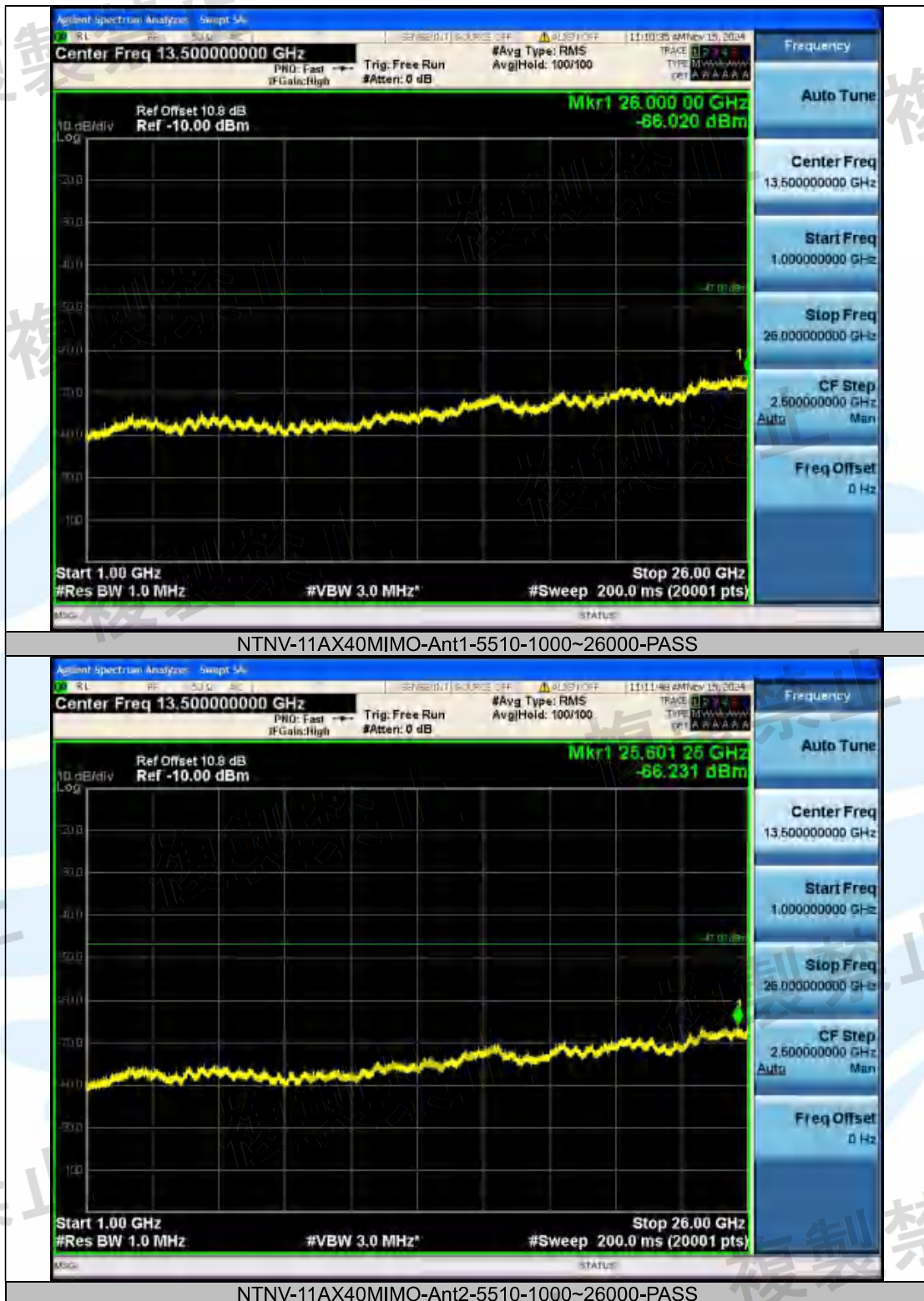
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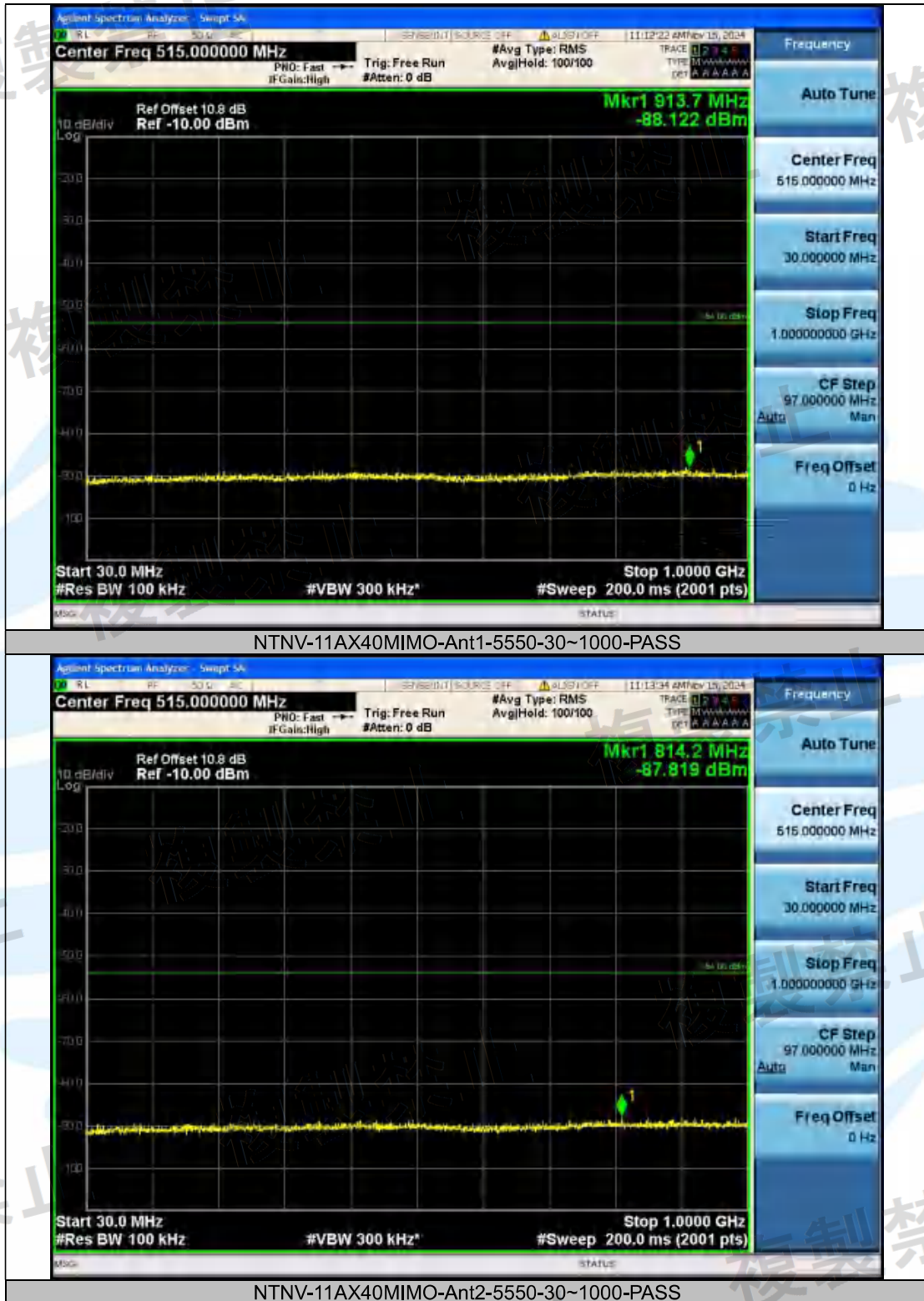
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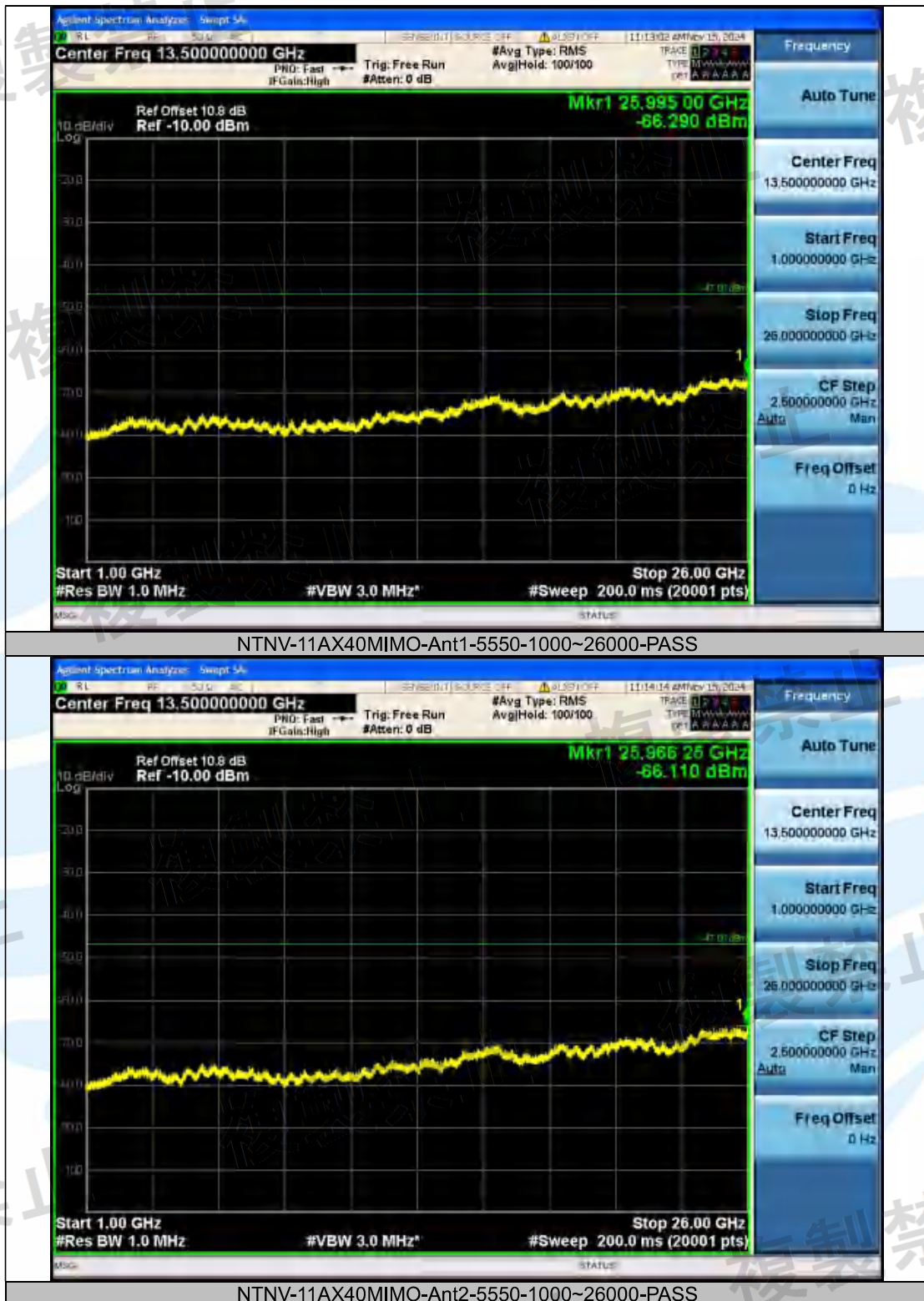
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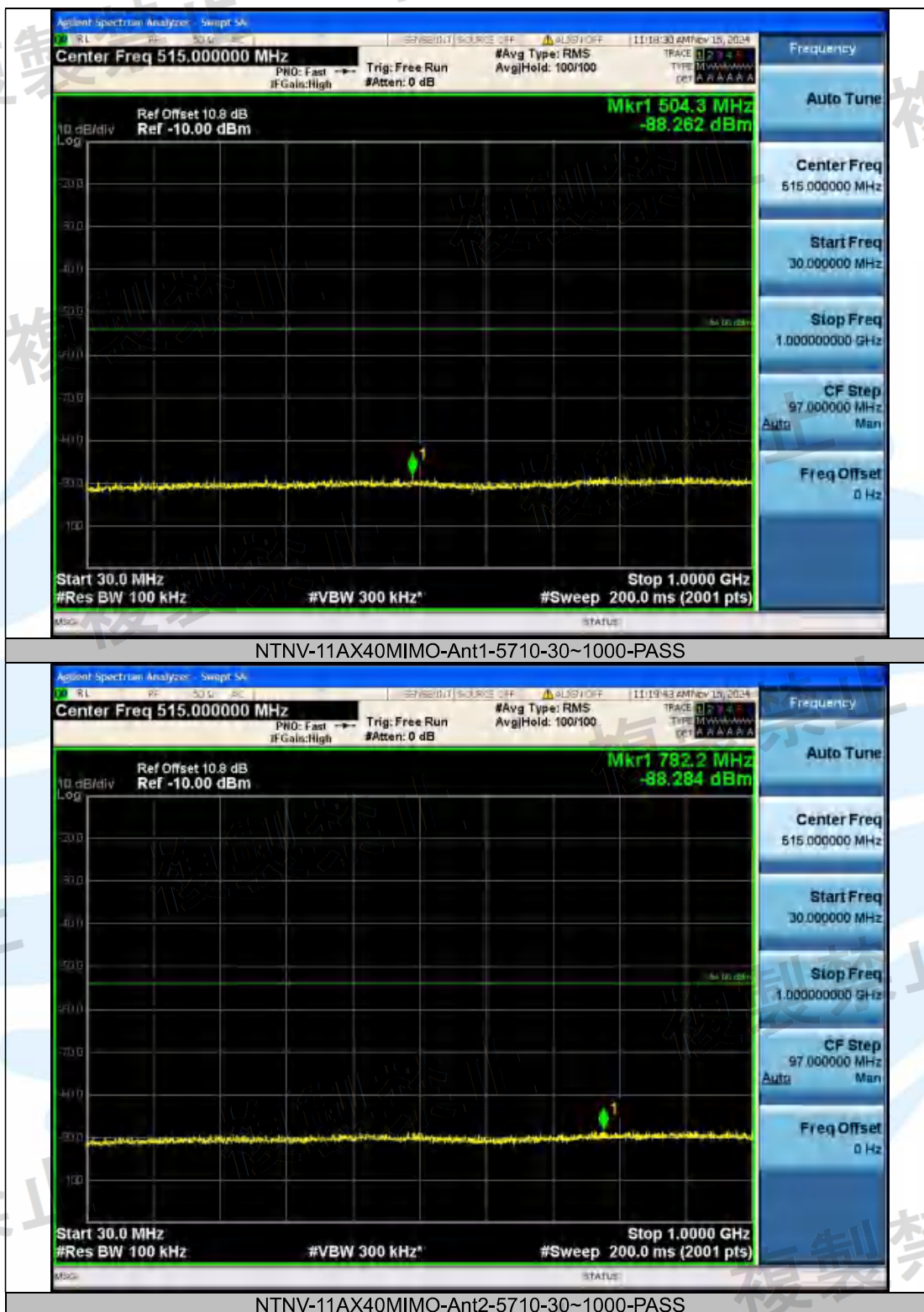
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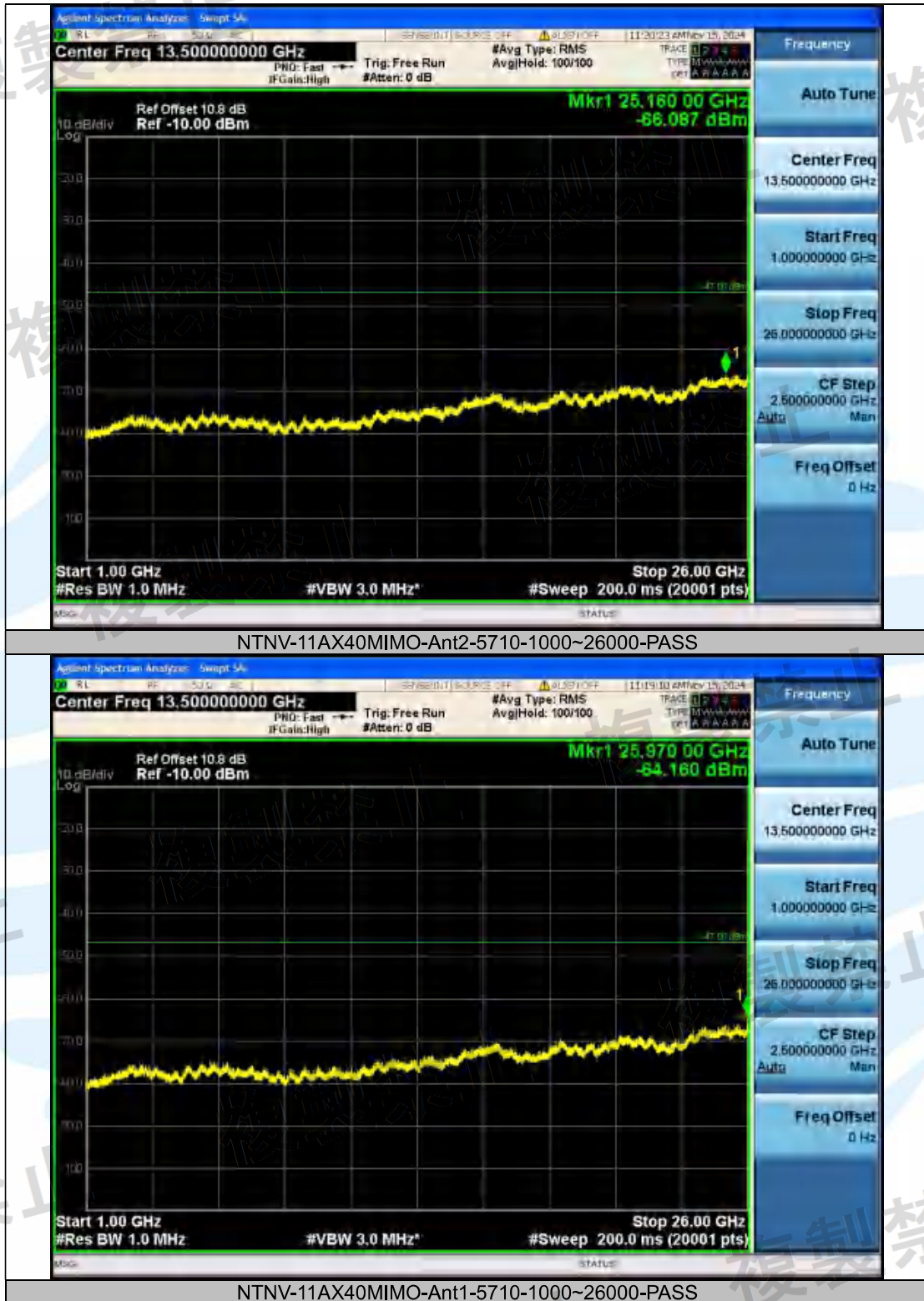
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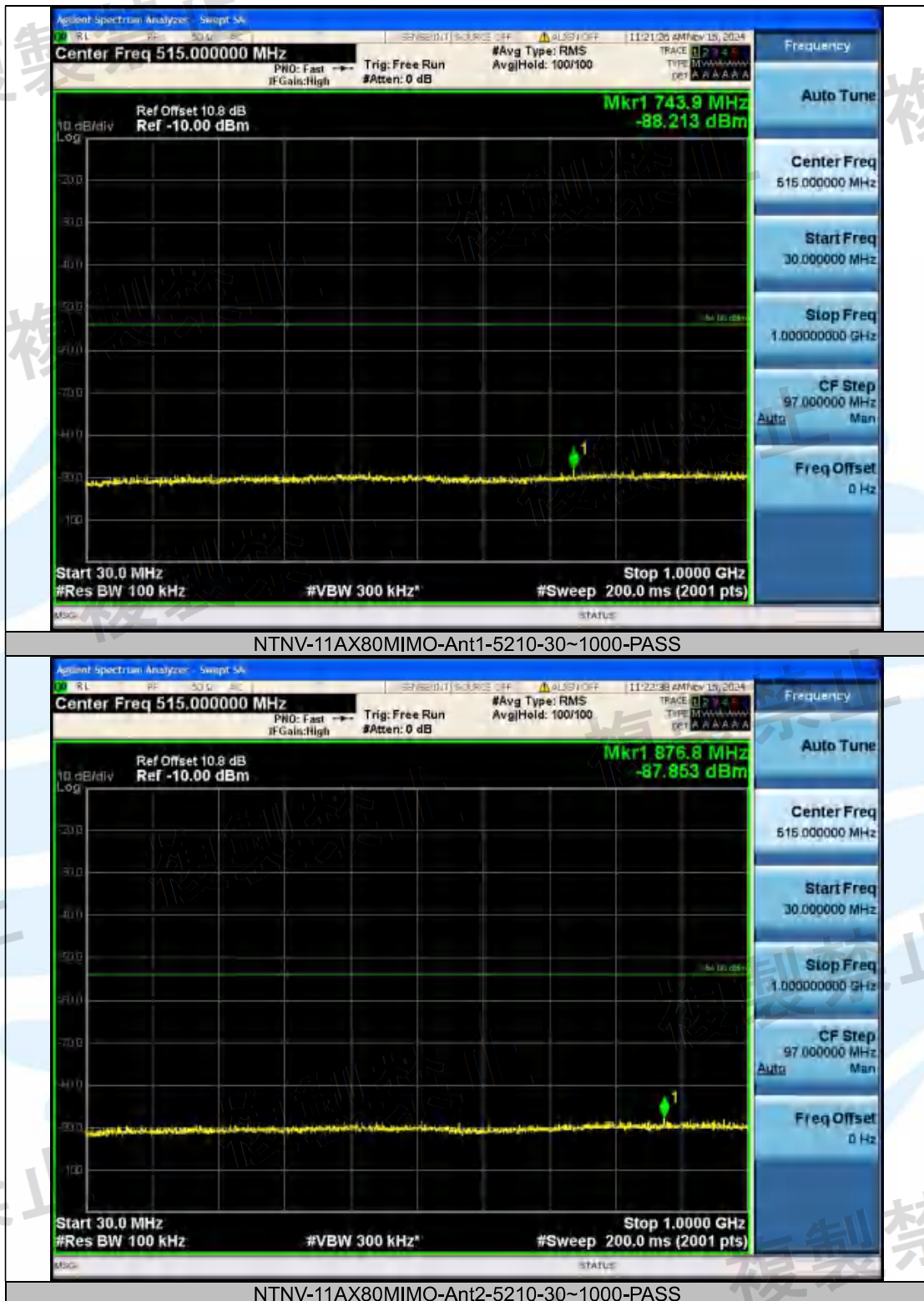
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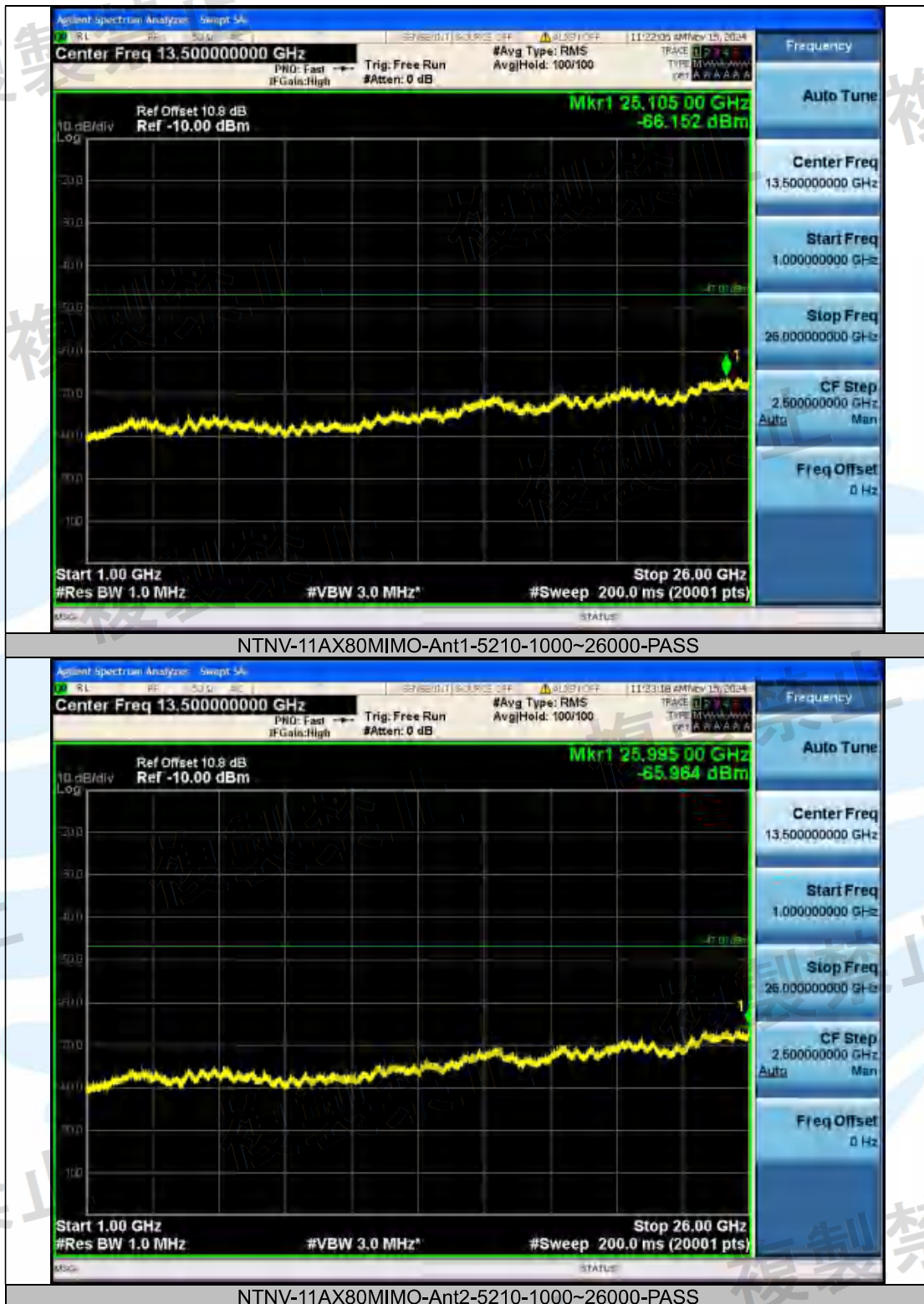
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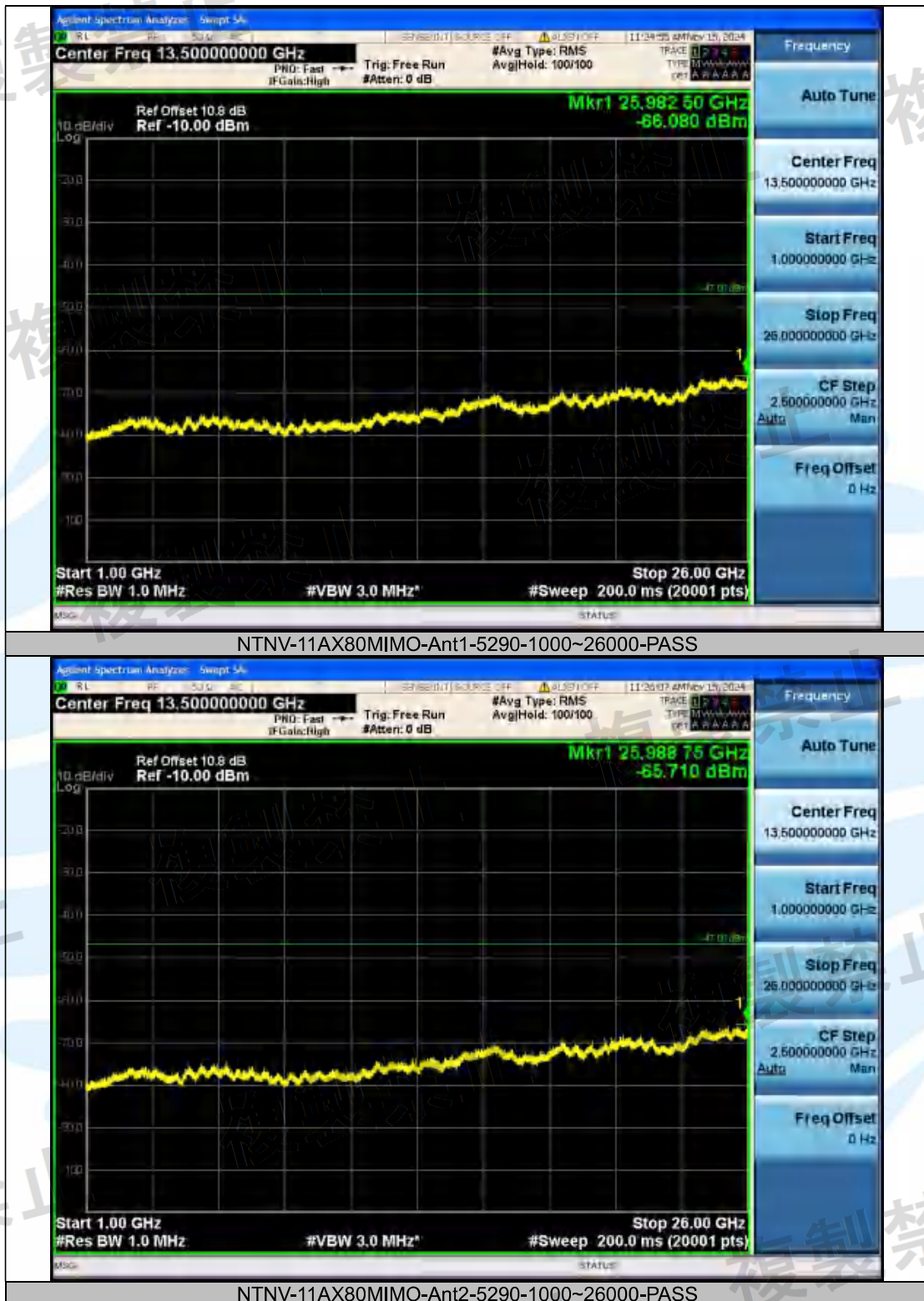
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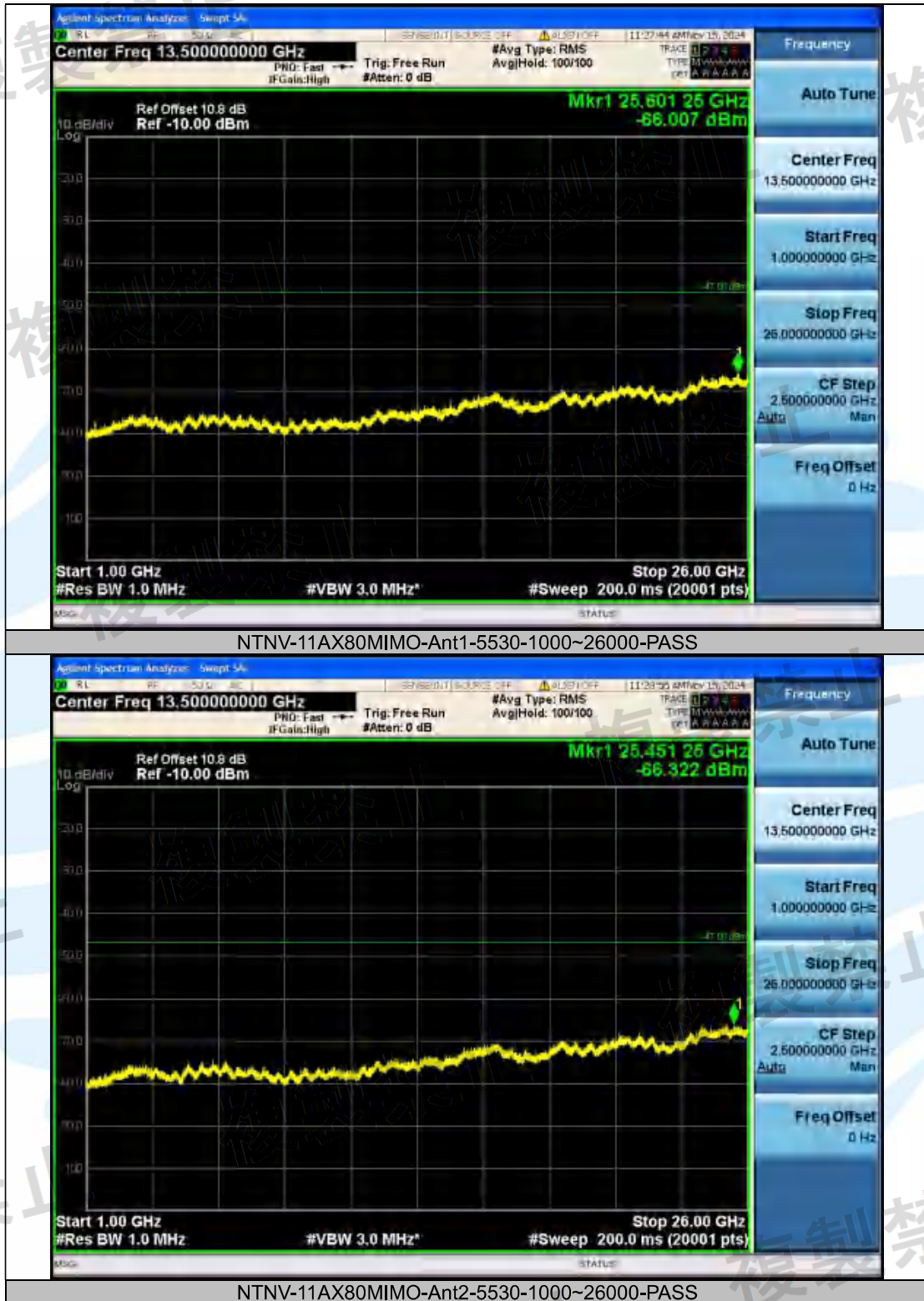
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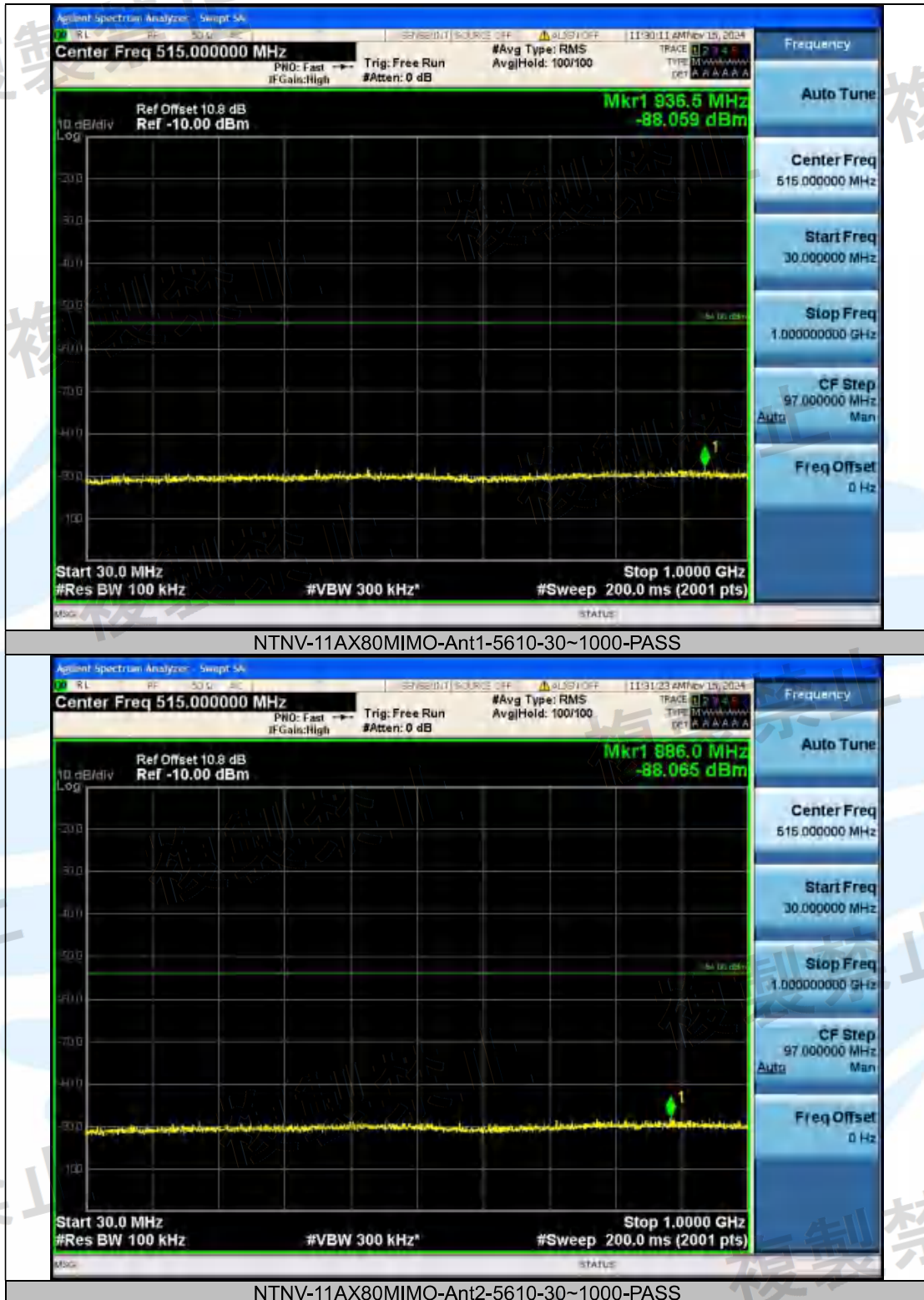
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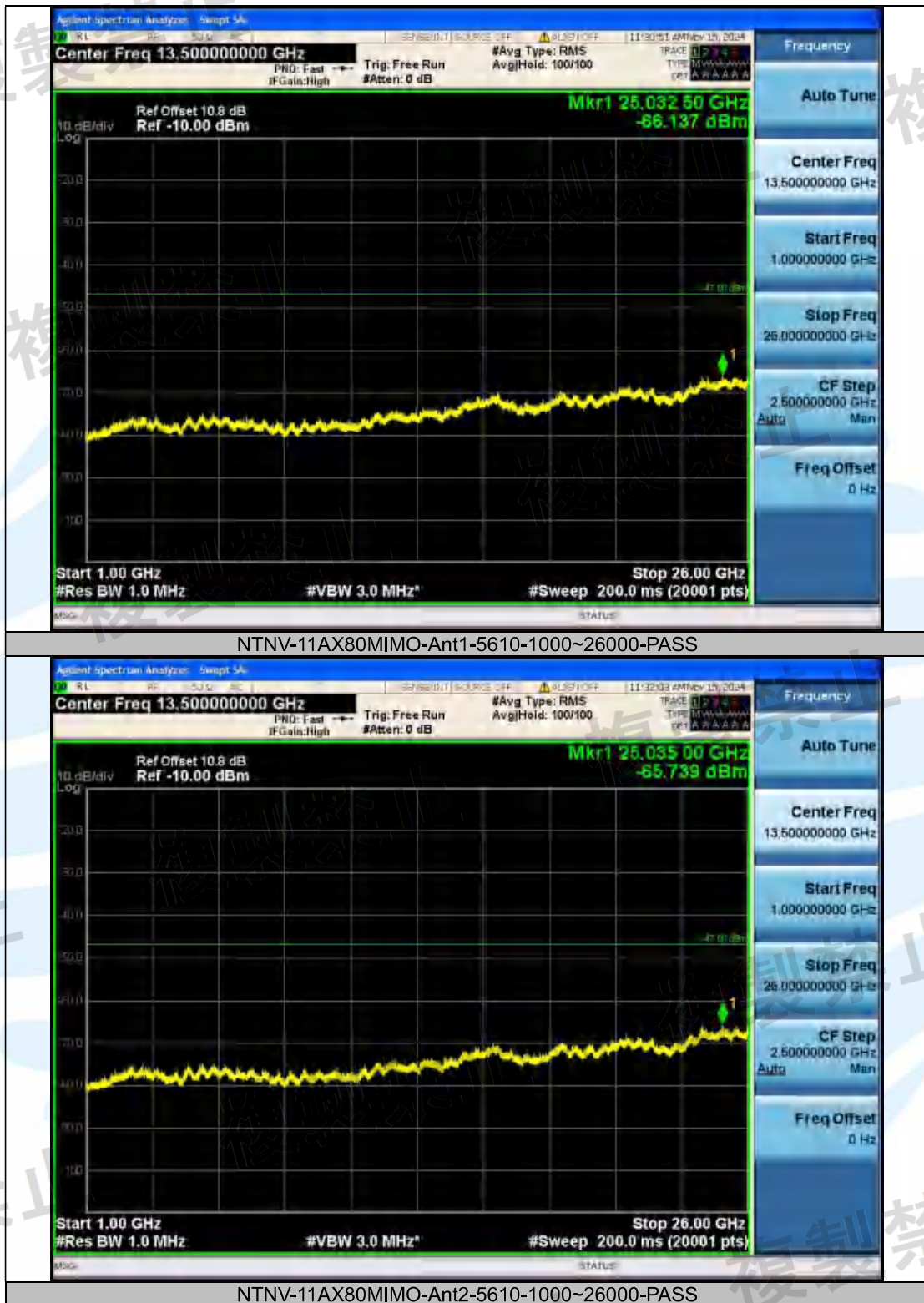
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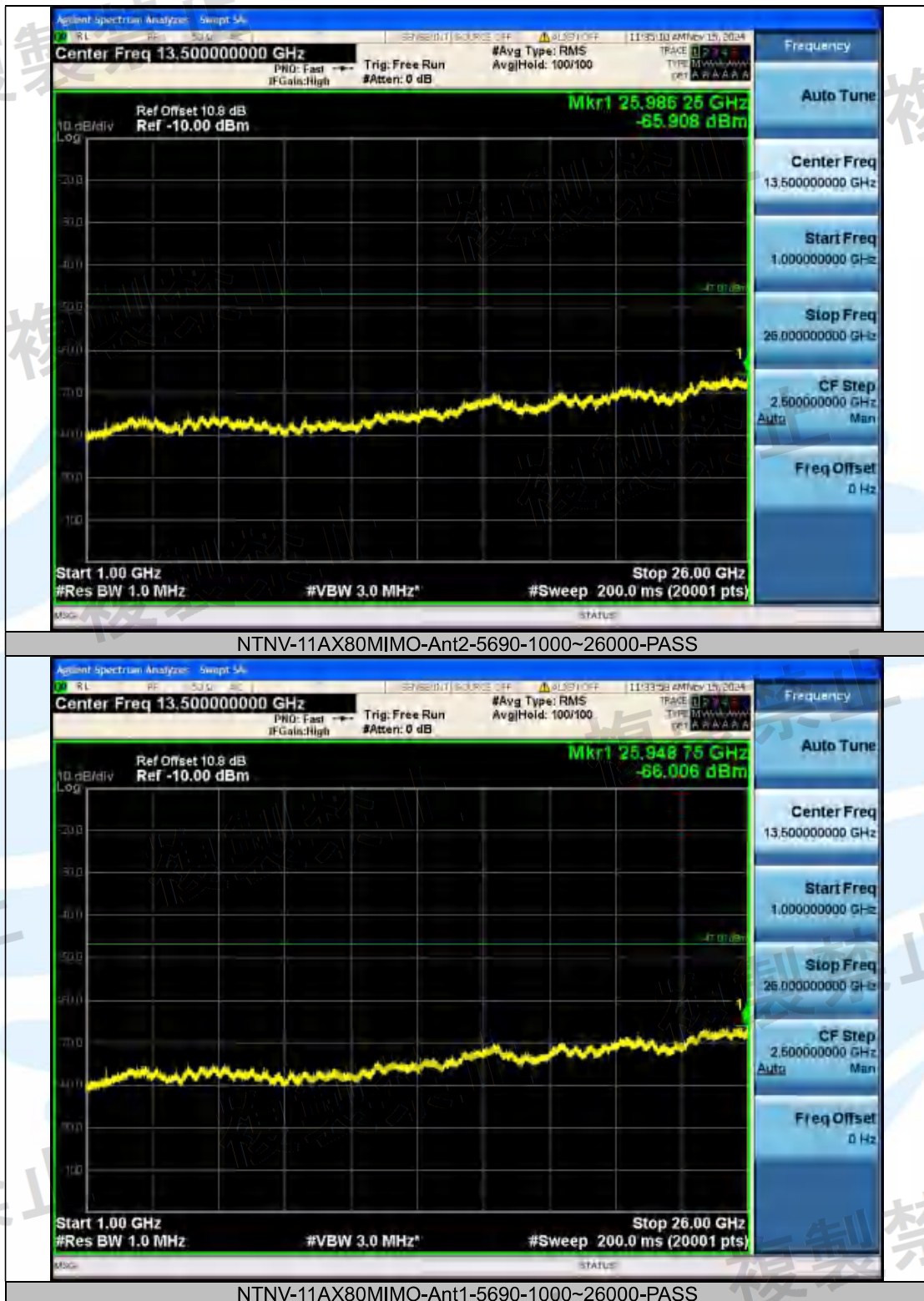
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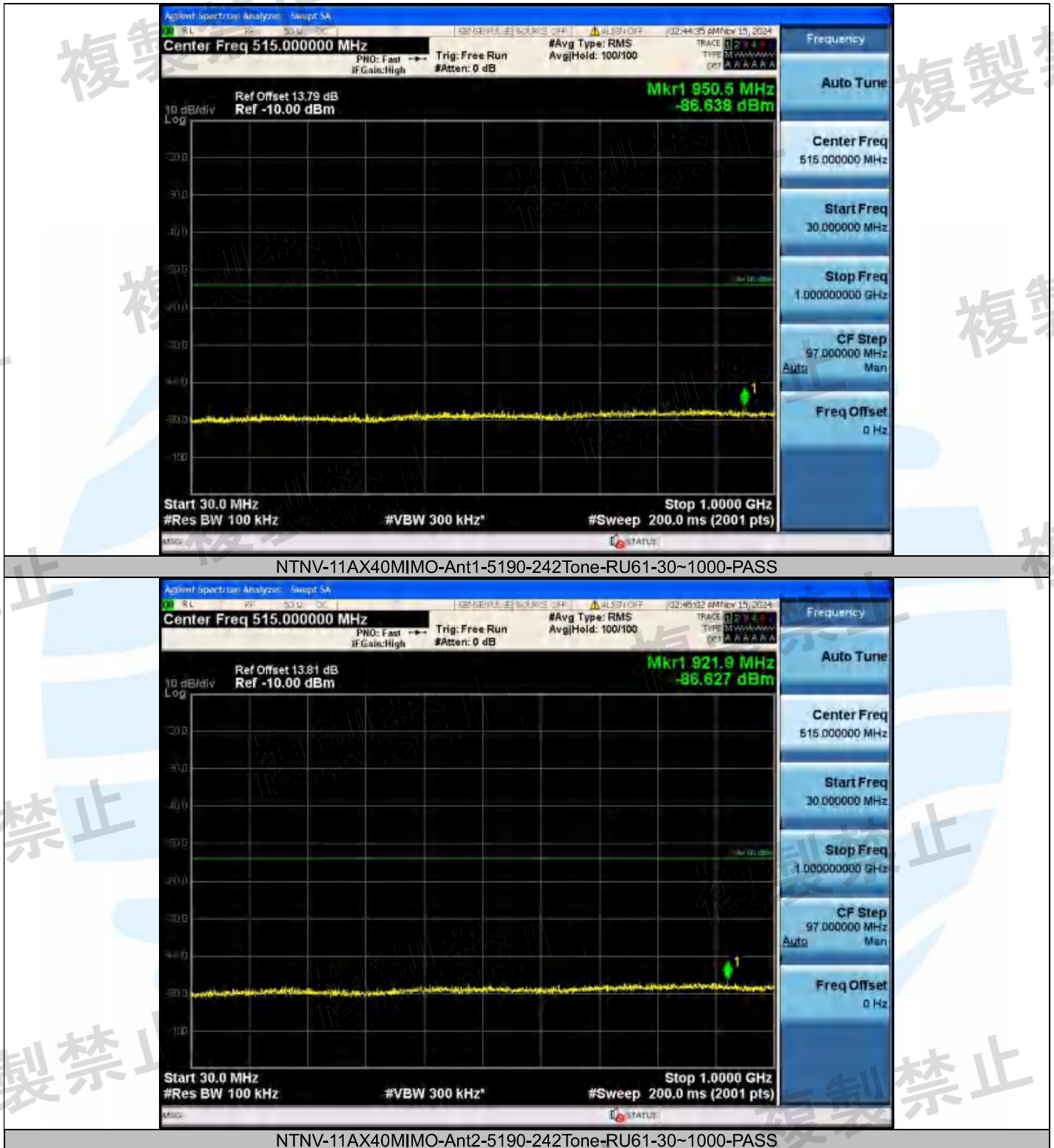
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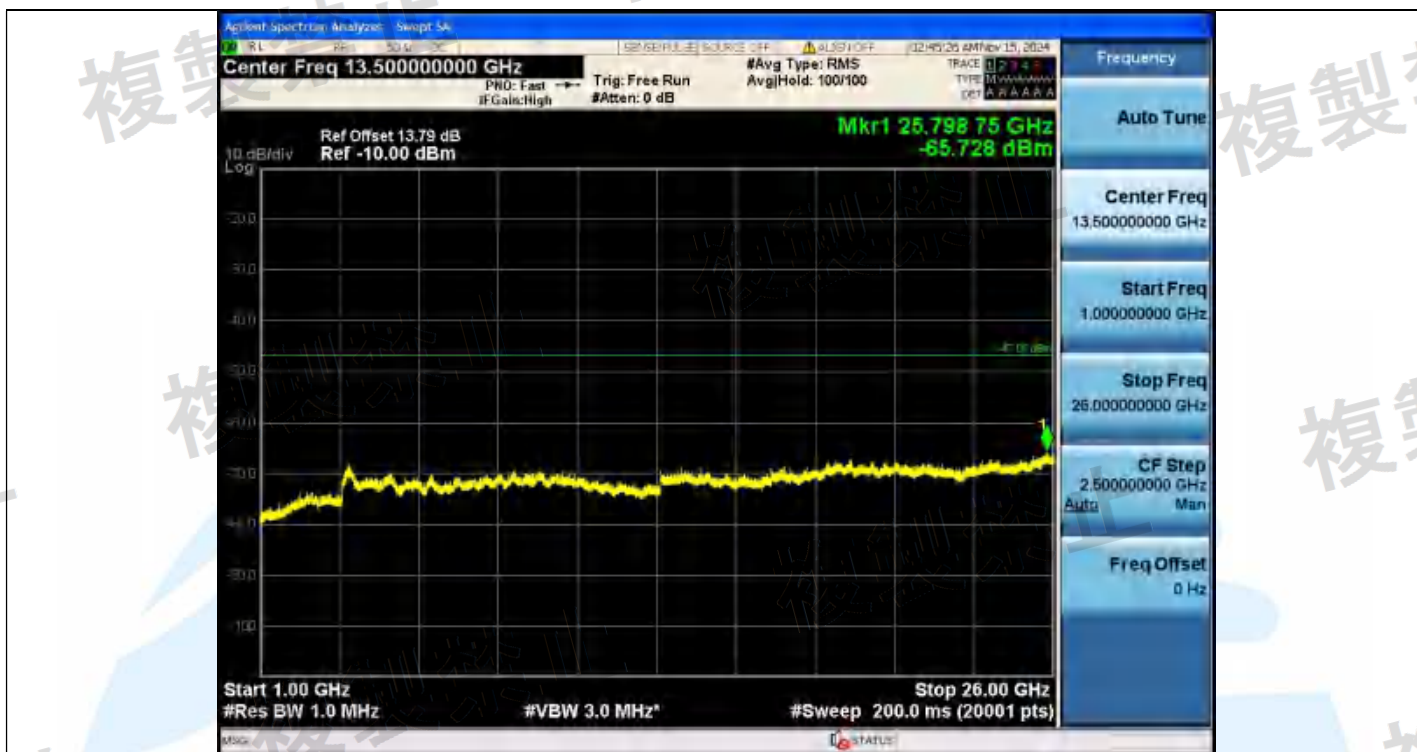
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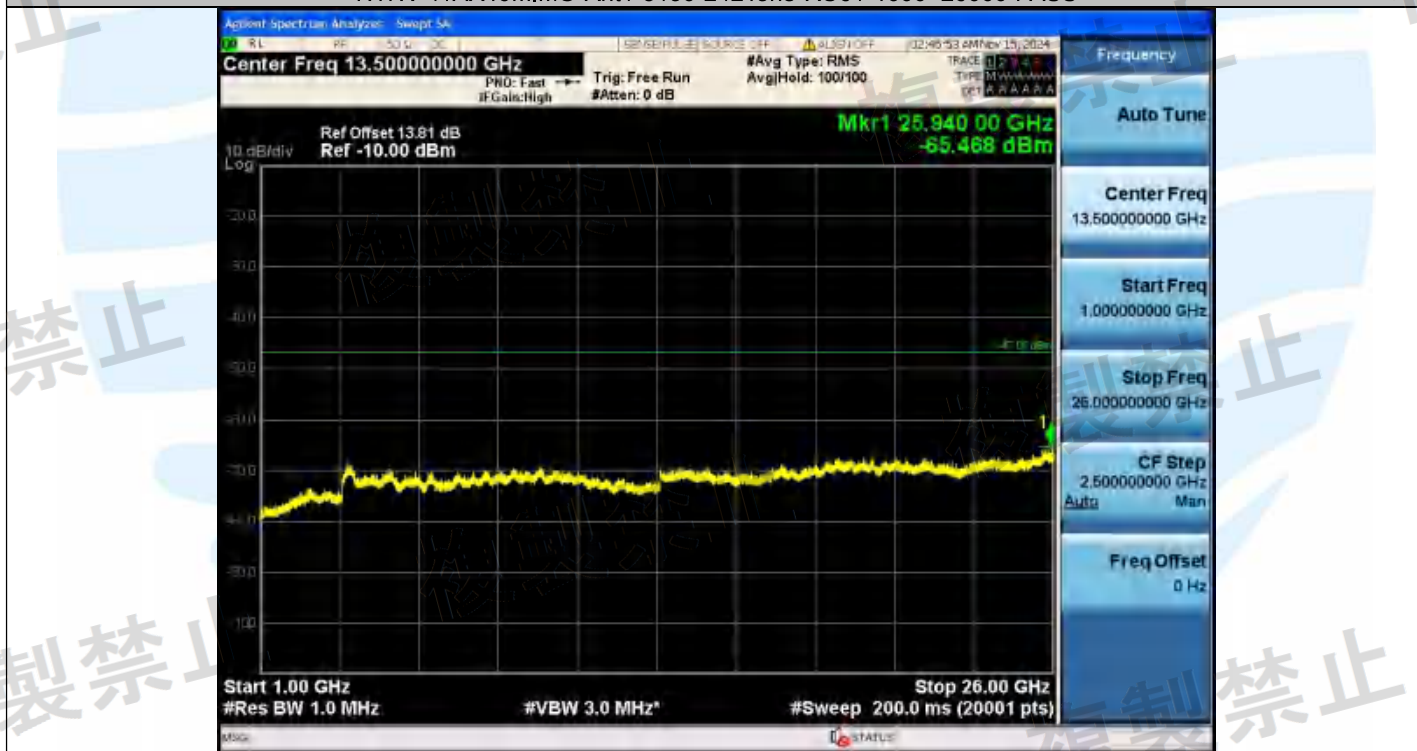
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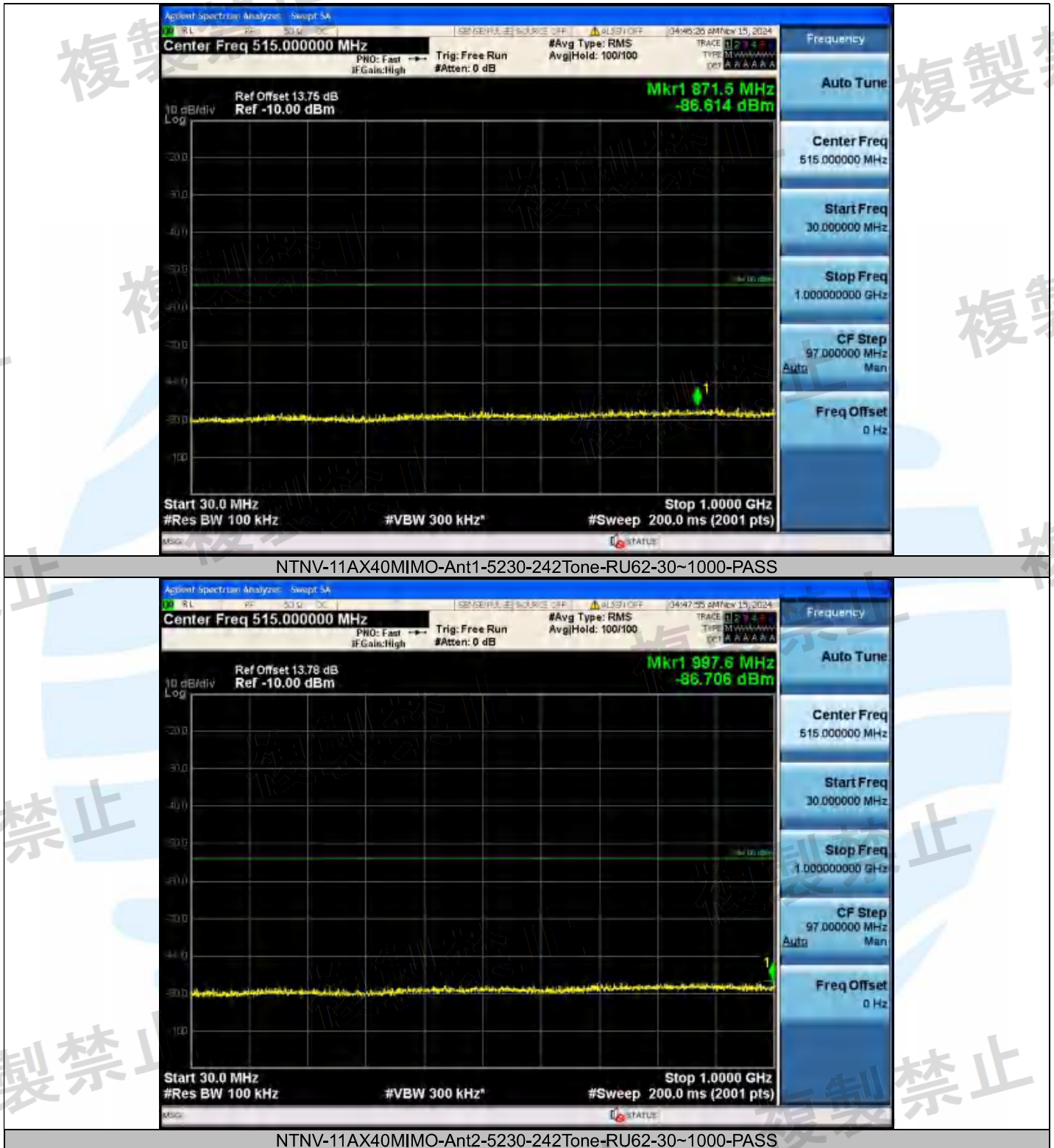




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NTVN-11AX40MIMO-Ant2-5190-242Tone-RU61-1000~26000-PASS



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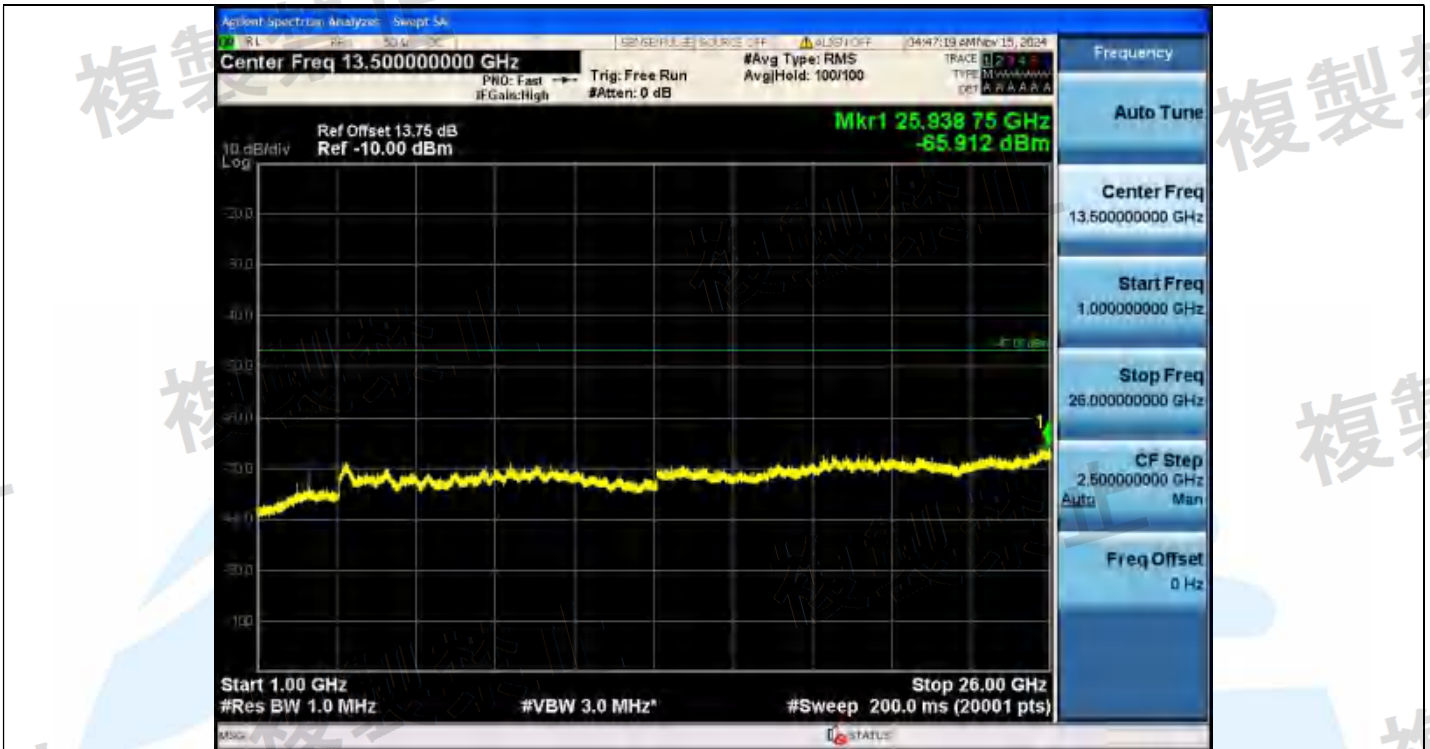
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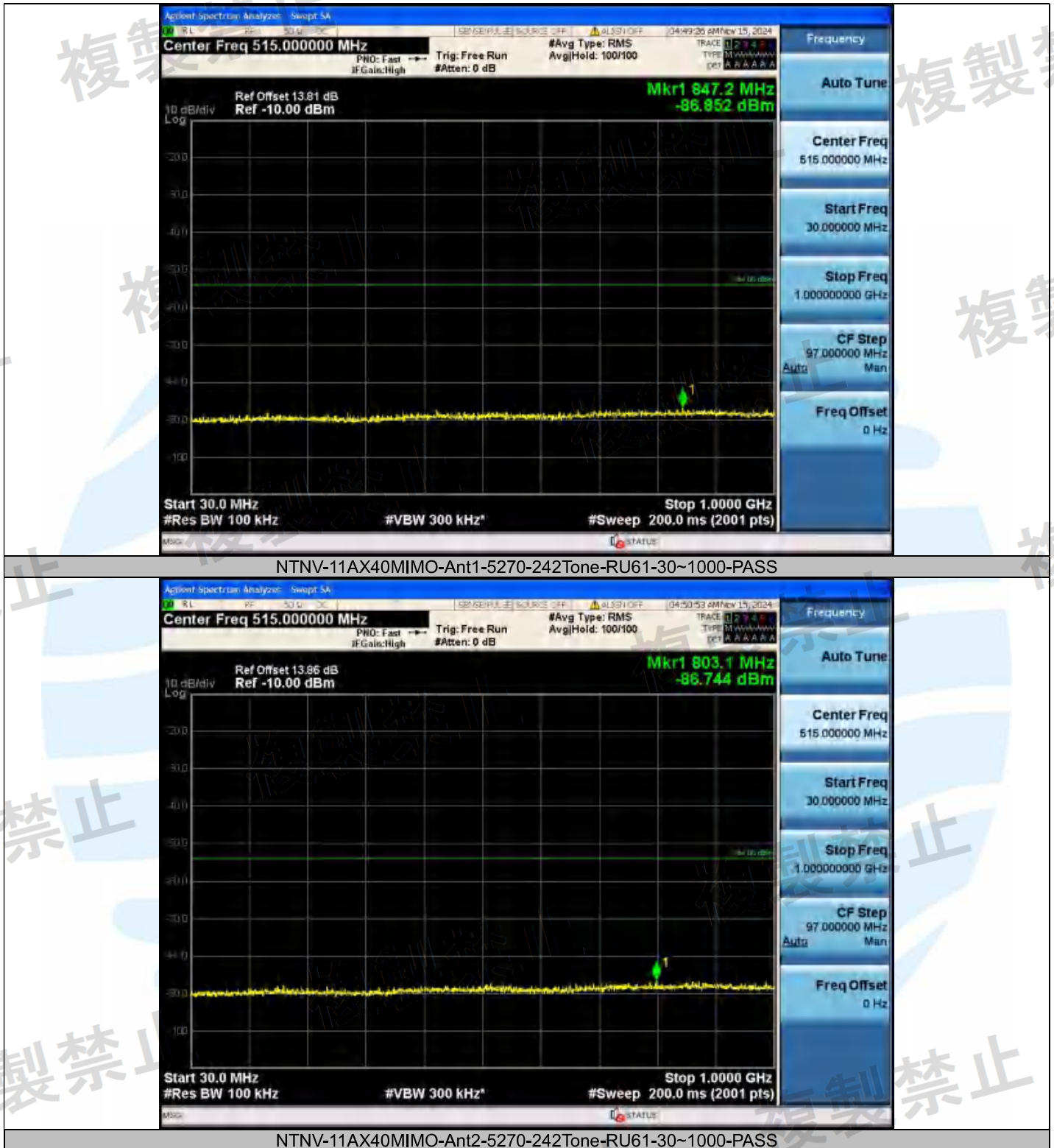
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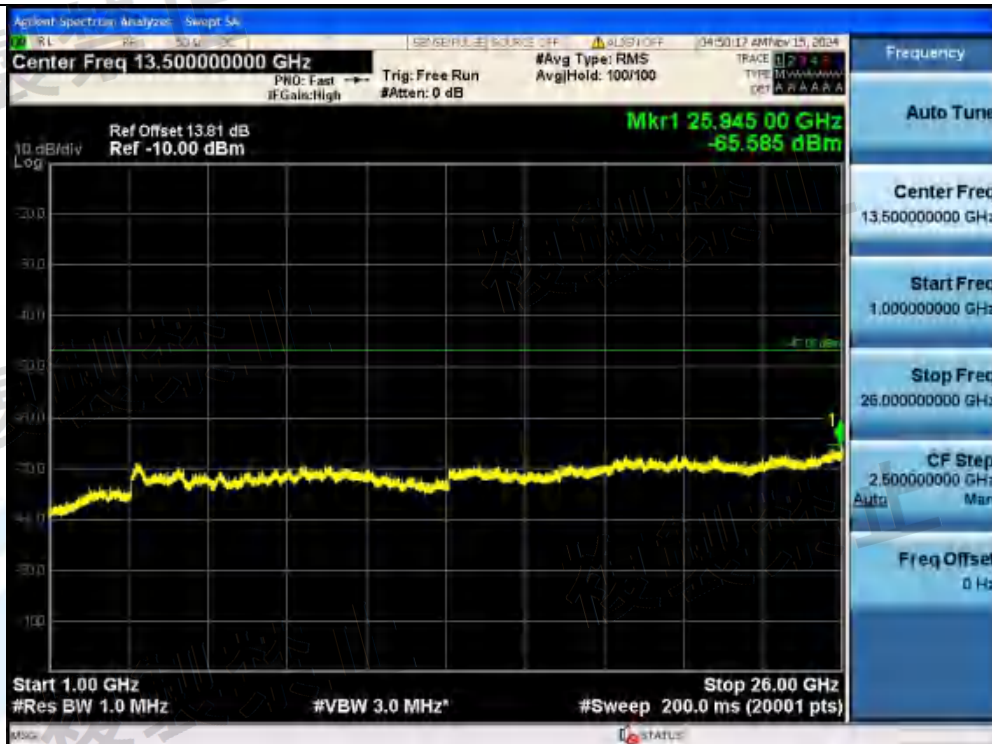
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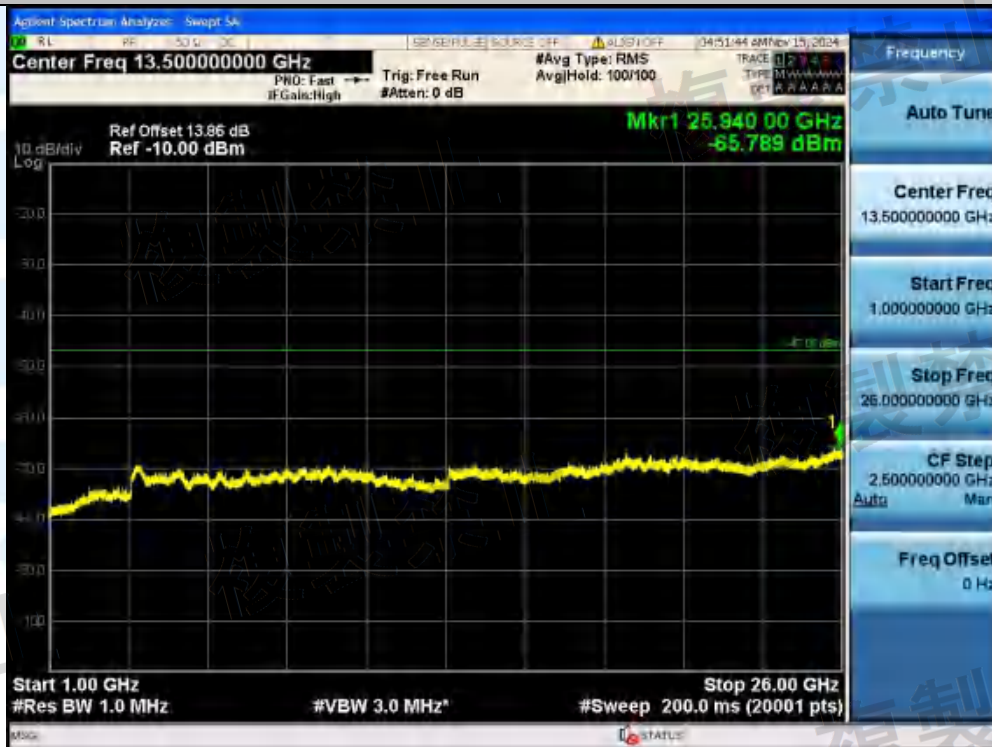
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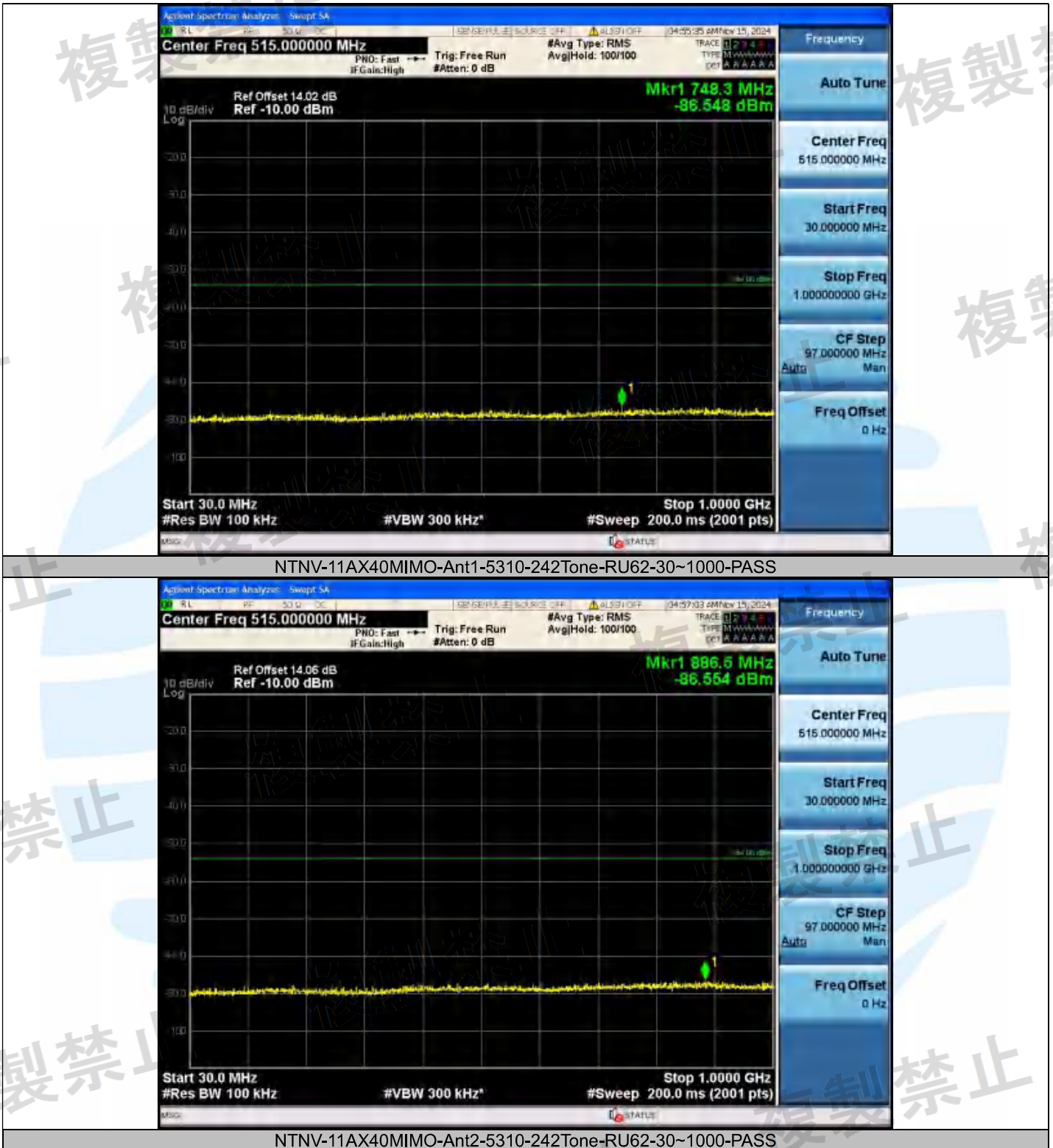
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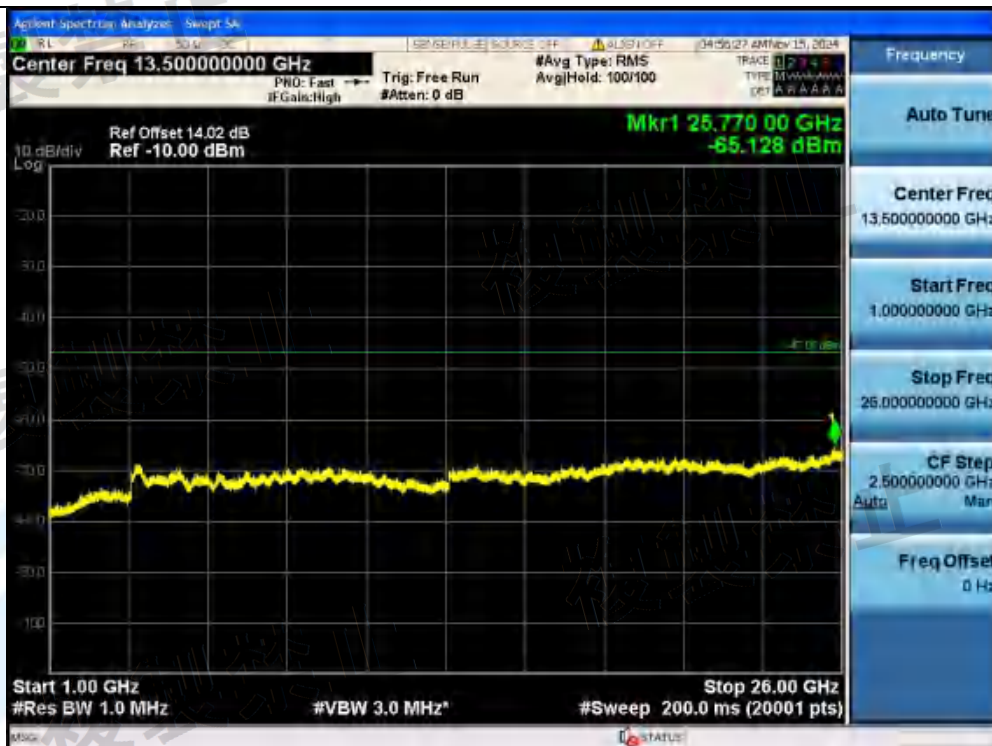


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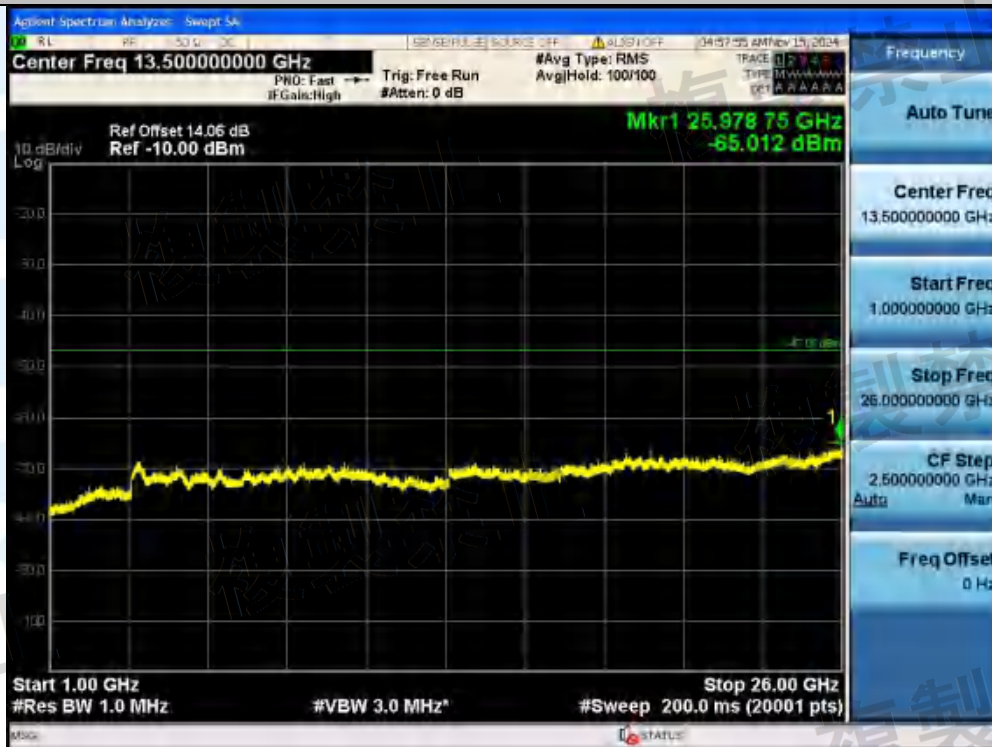


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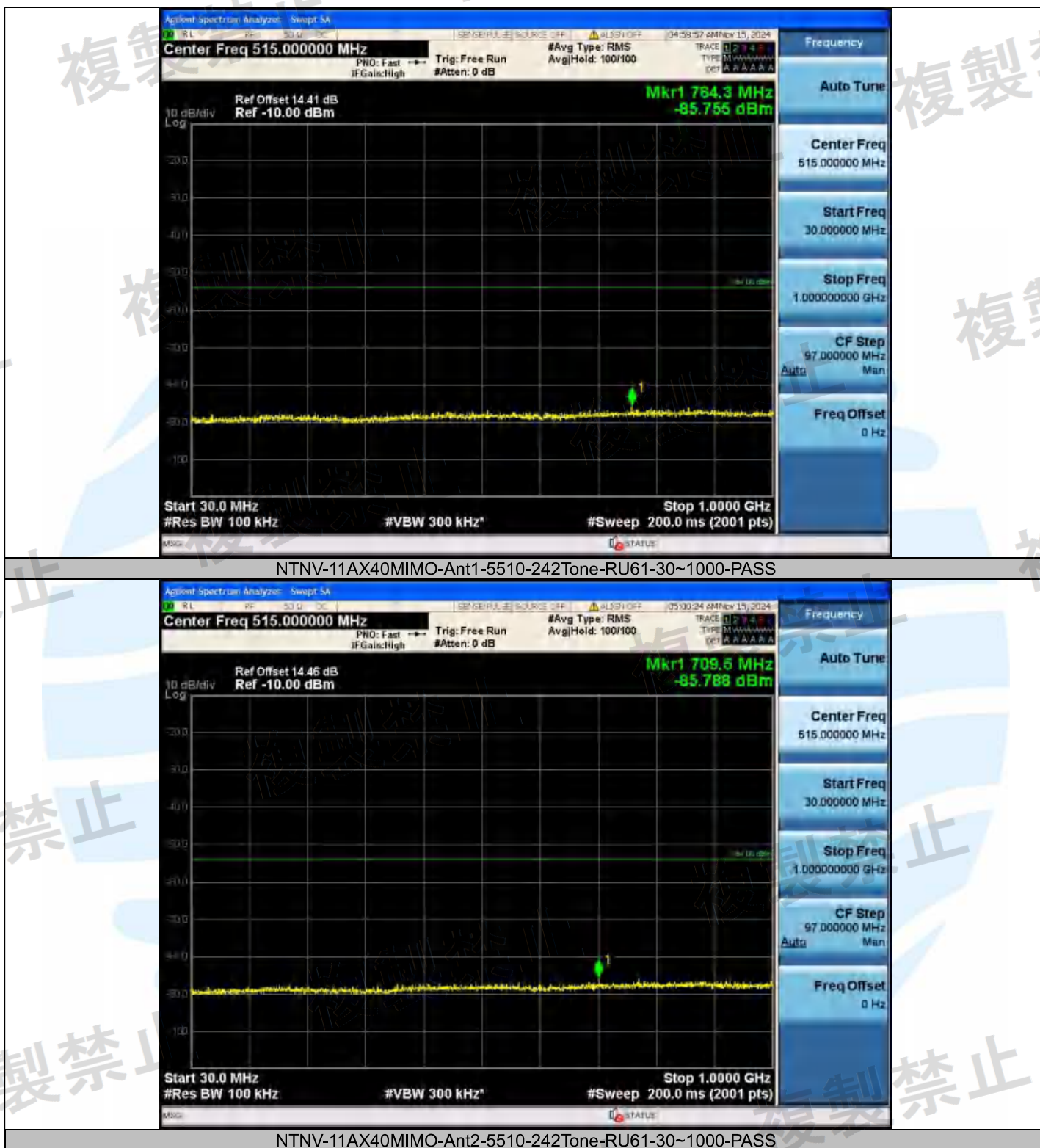


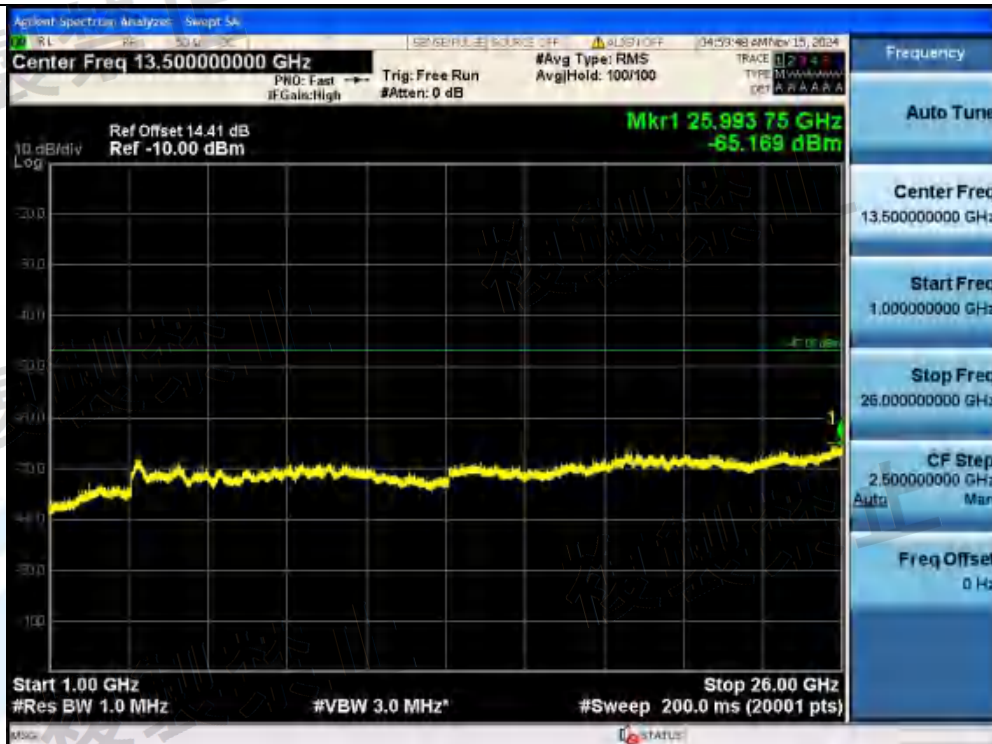


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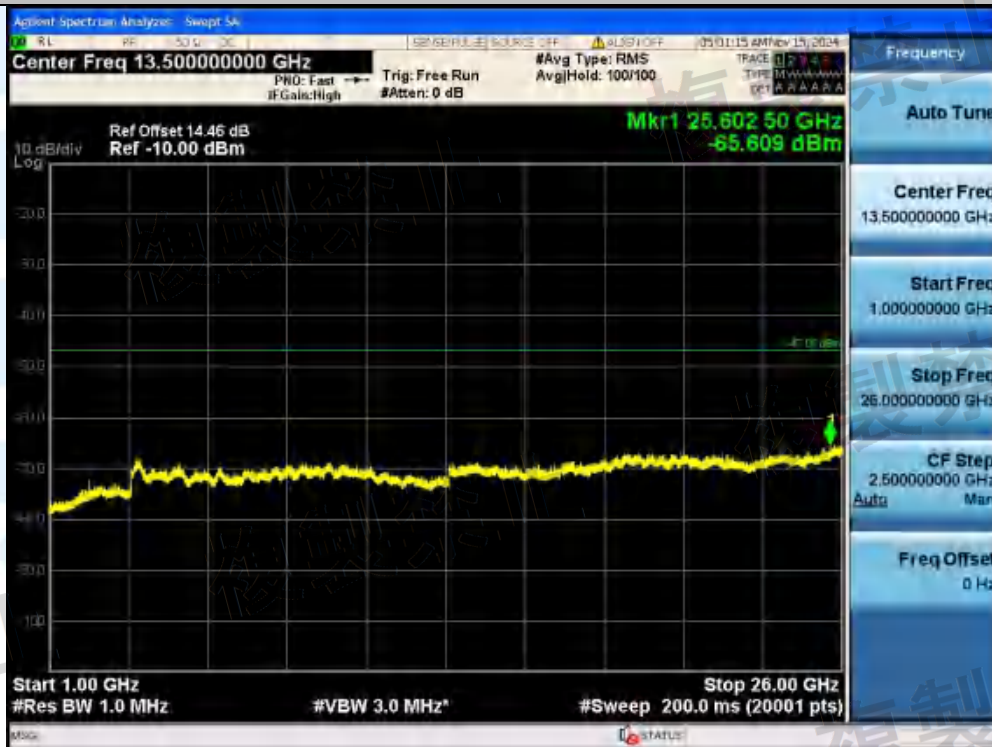


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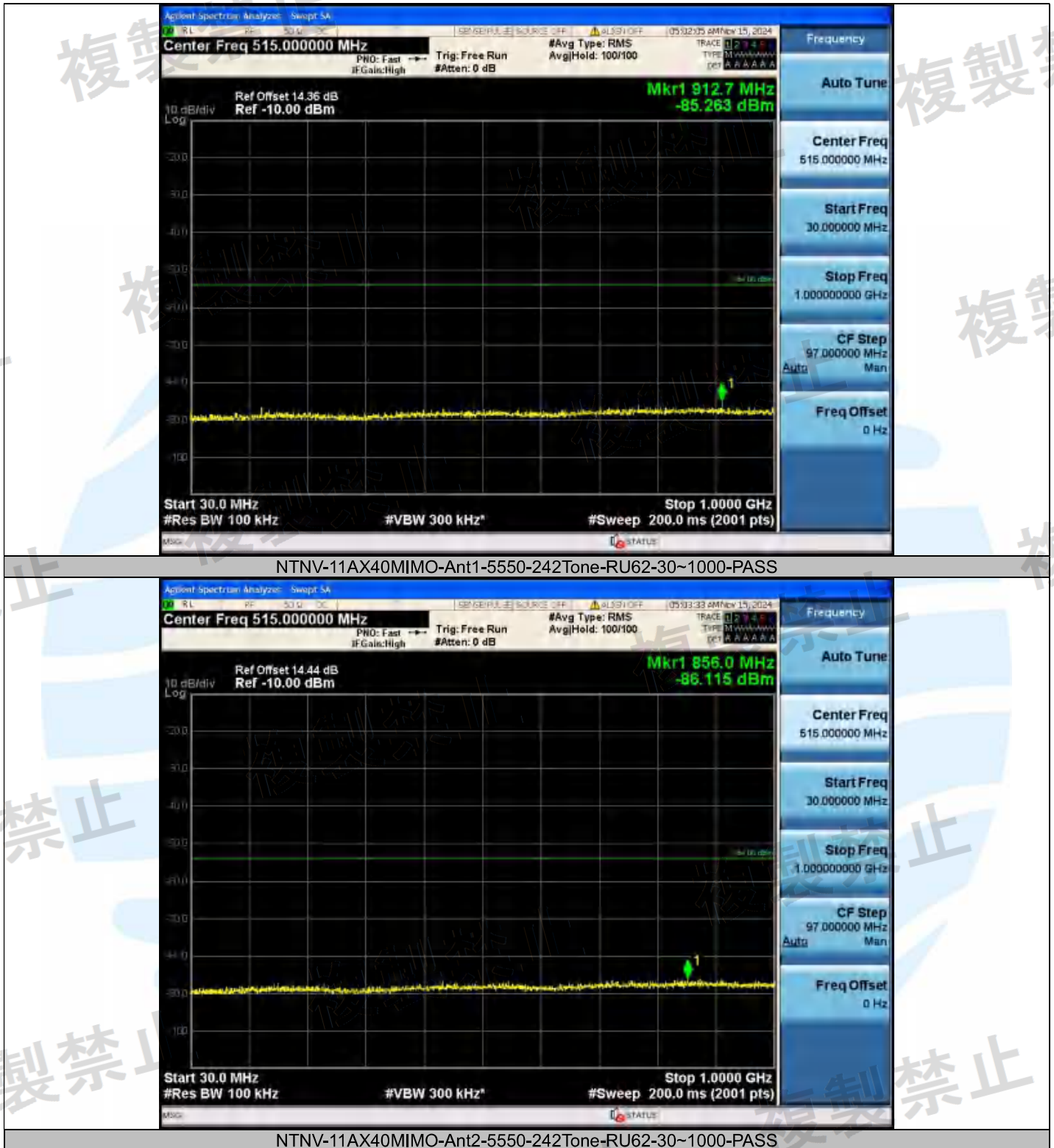




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NTVN-11AX40MIMO-Ant2-5510-242Tone-RU61-1000~26000-PASS

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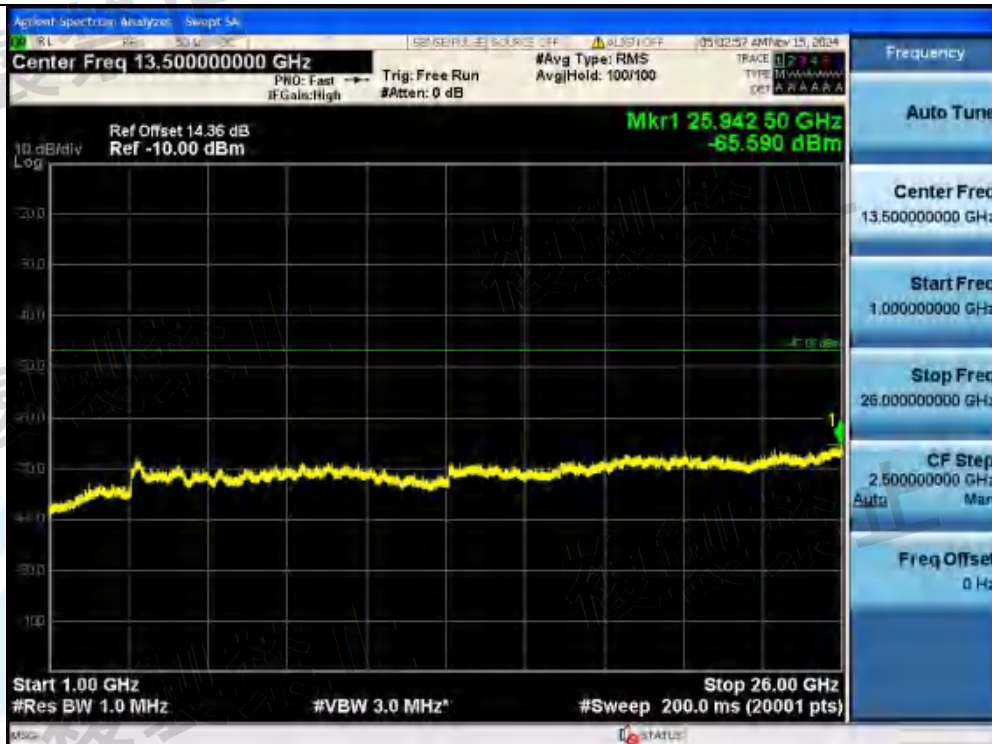
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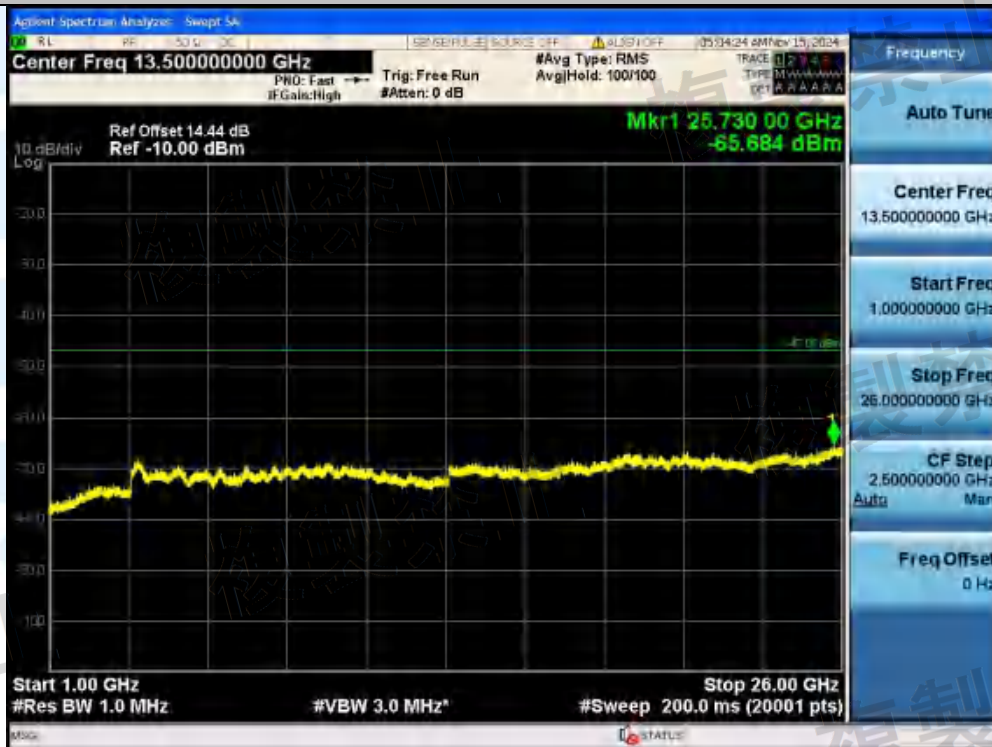
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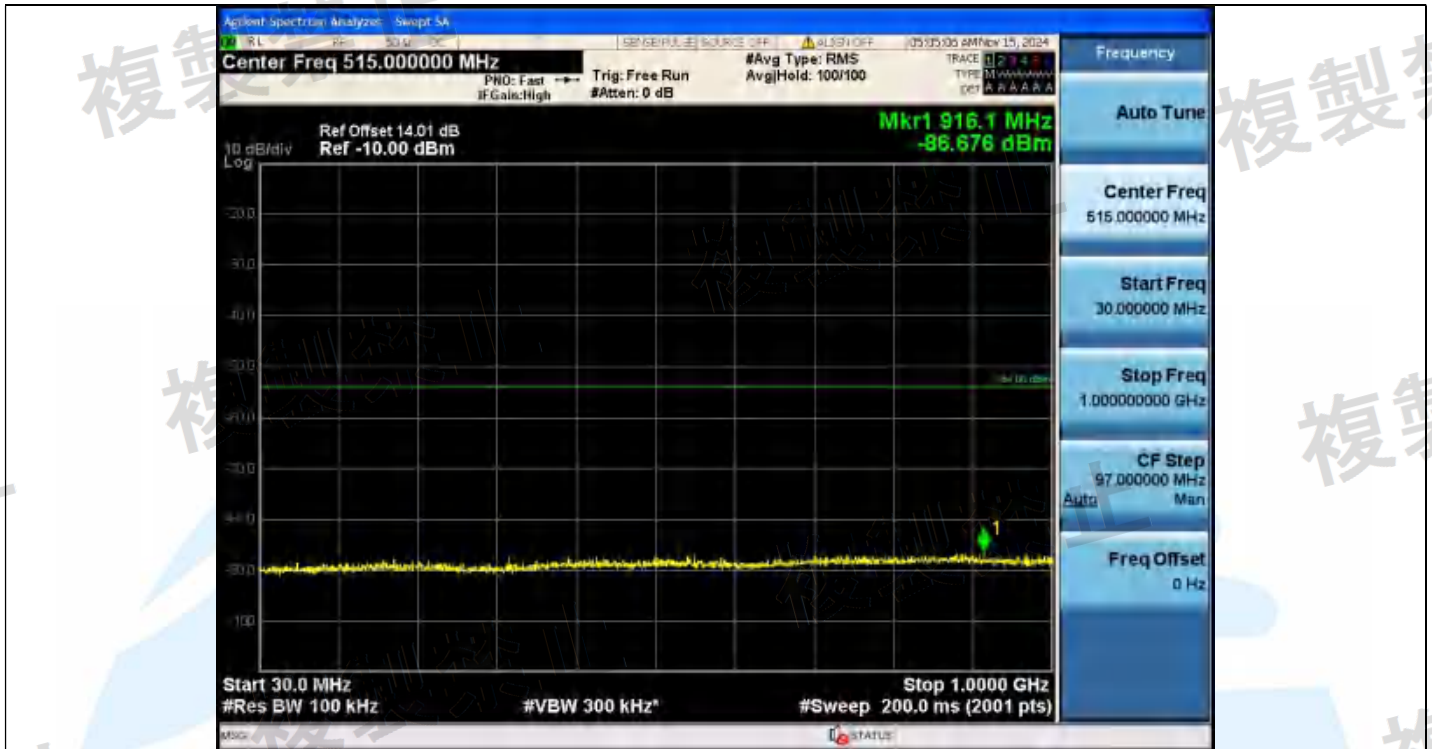
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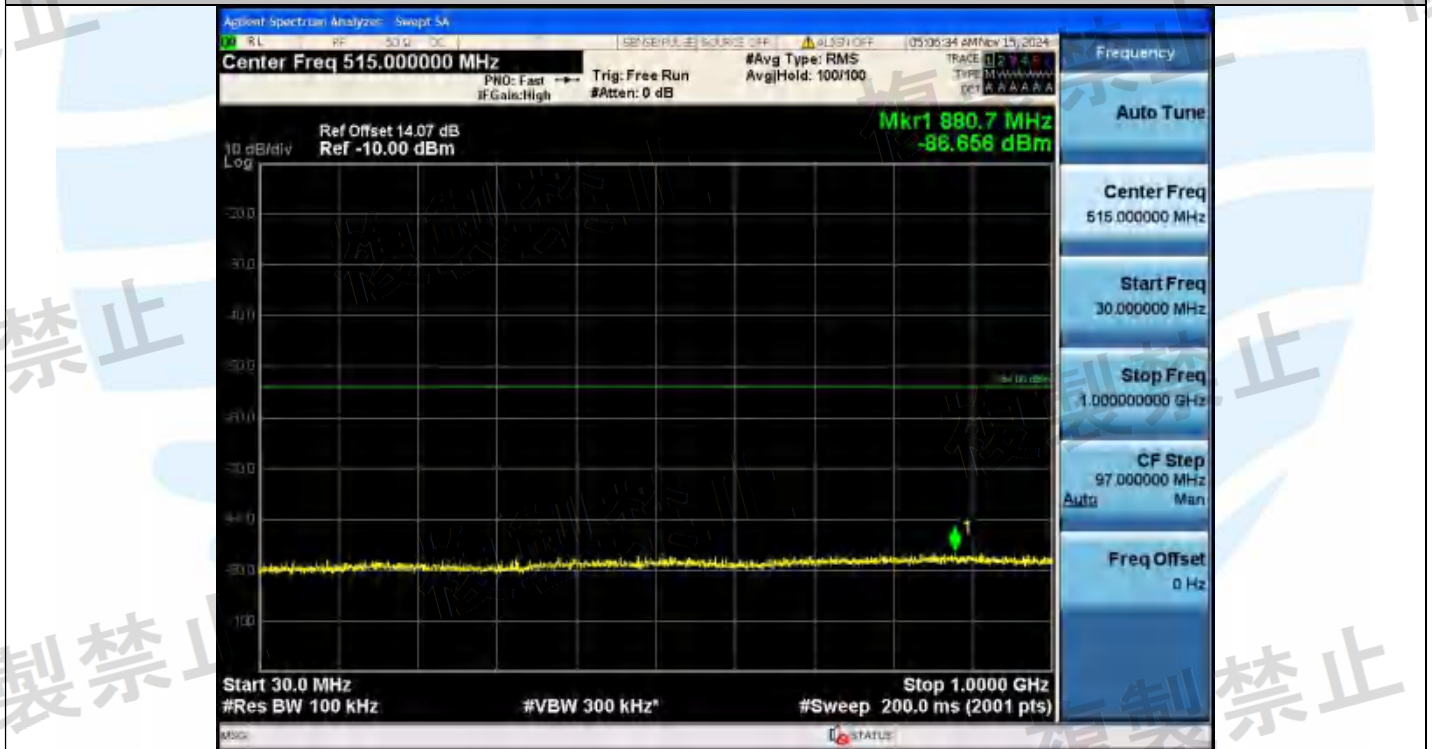
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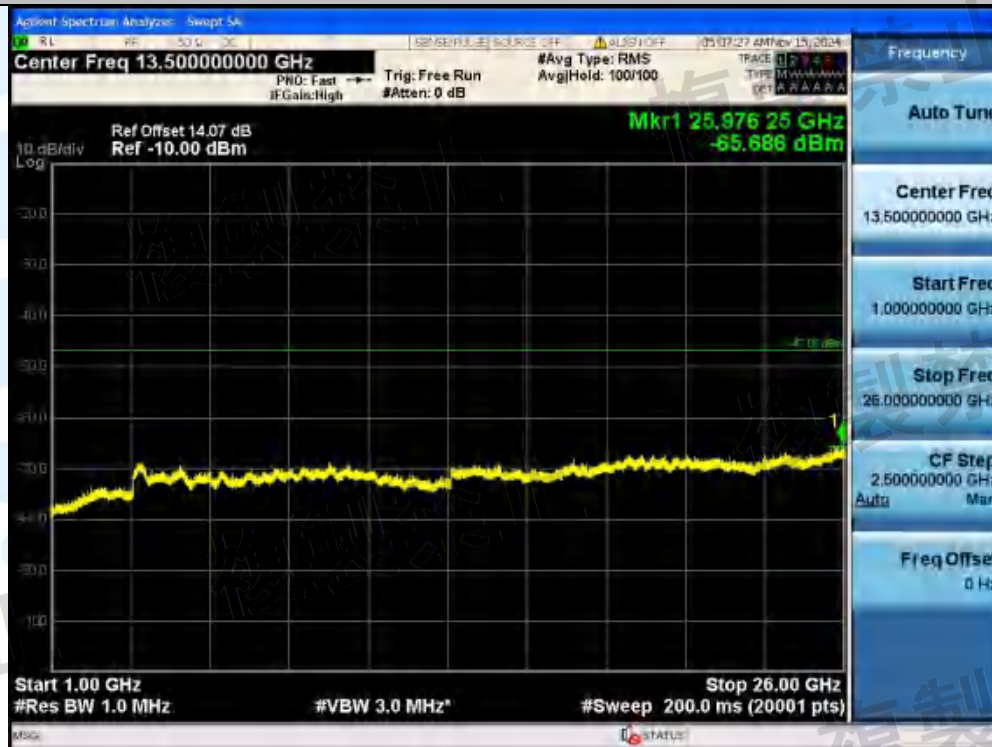
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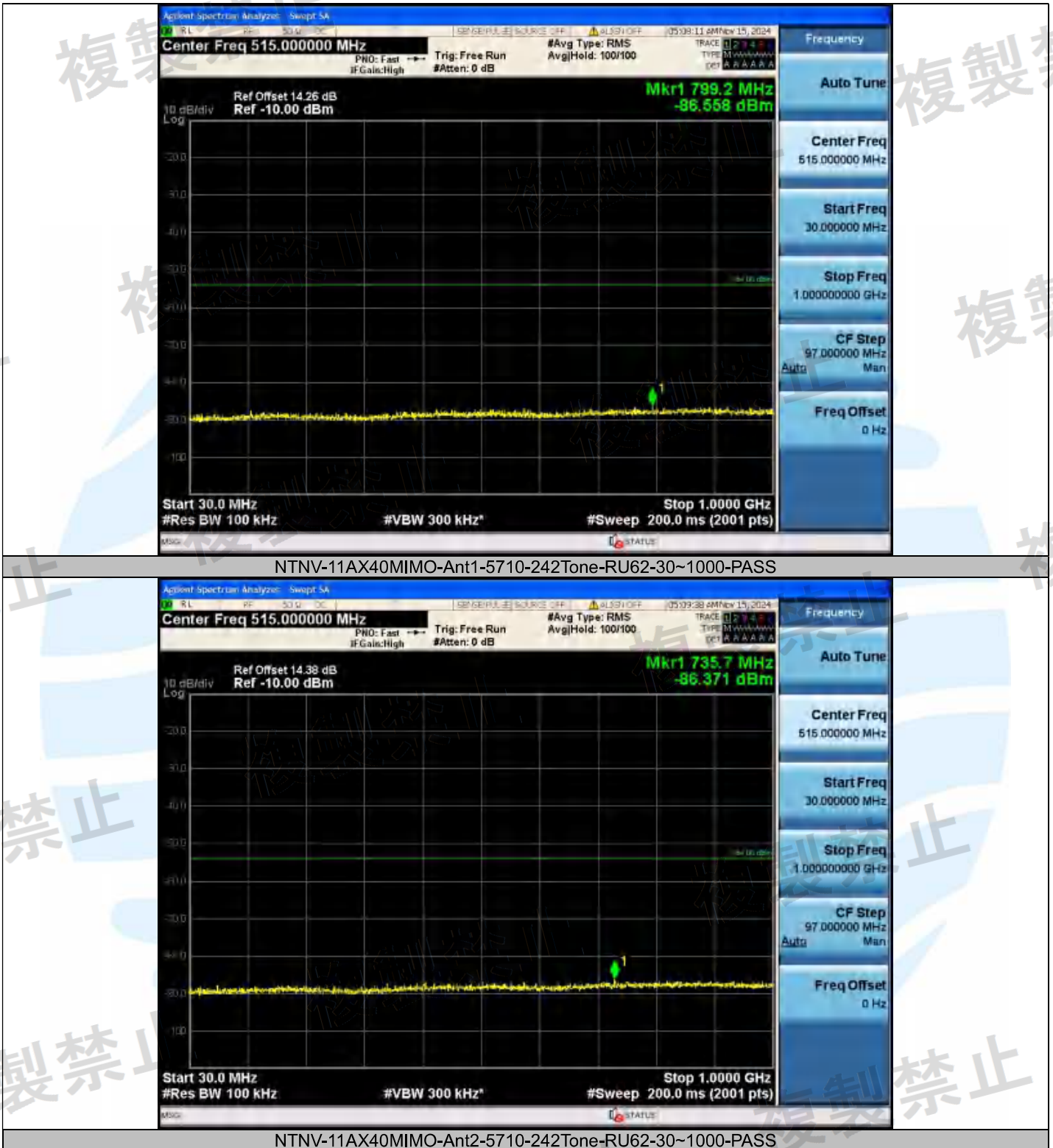
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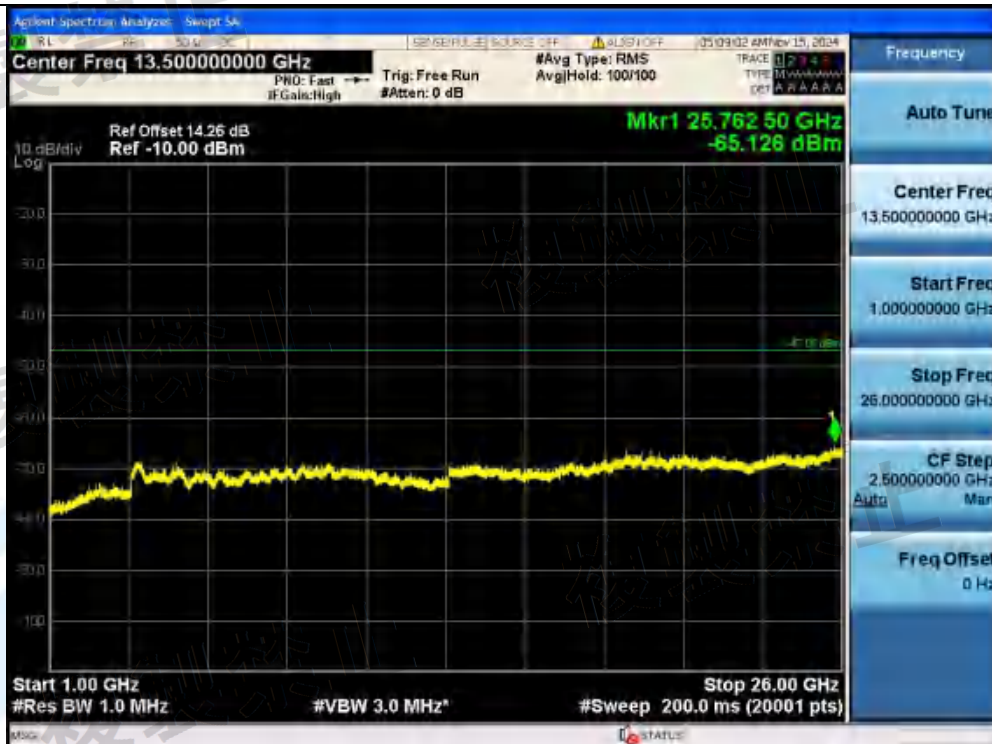
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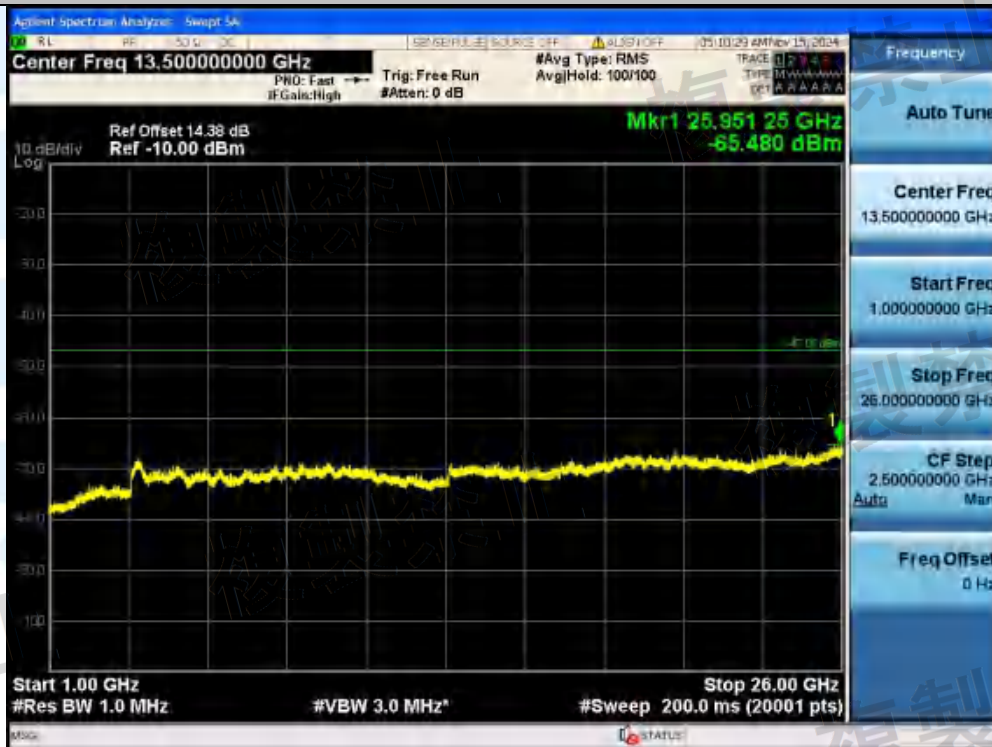
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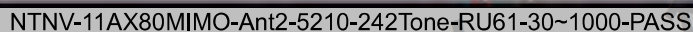
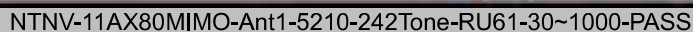
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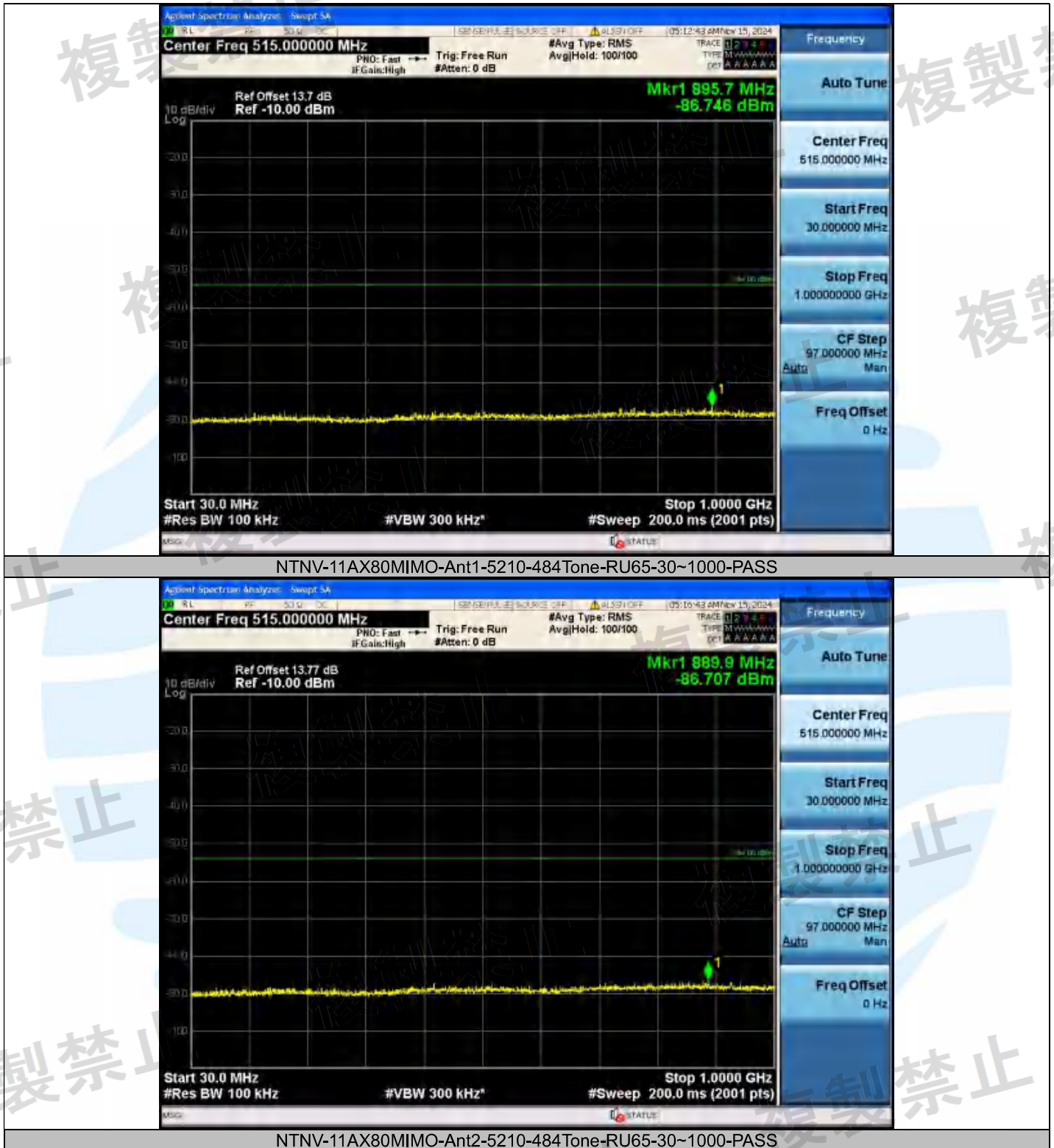
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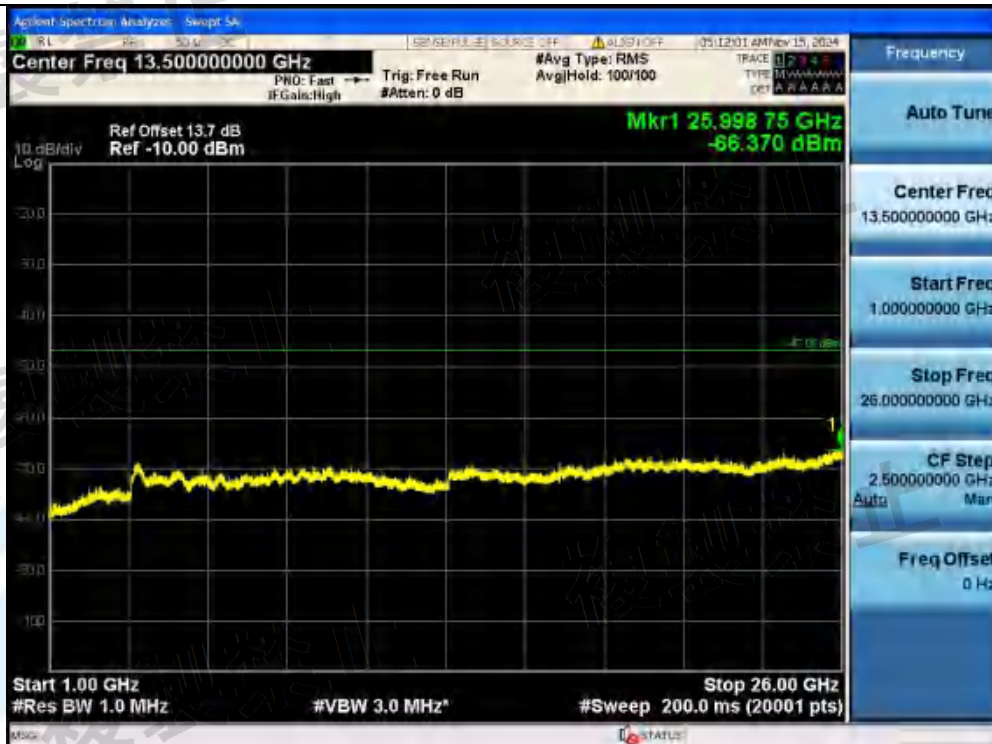
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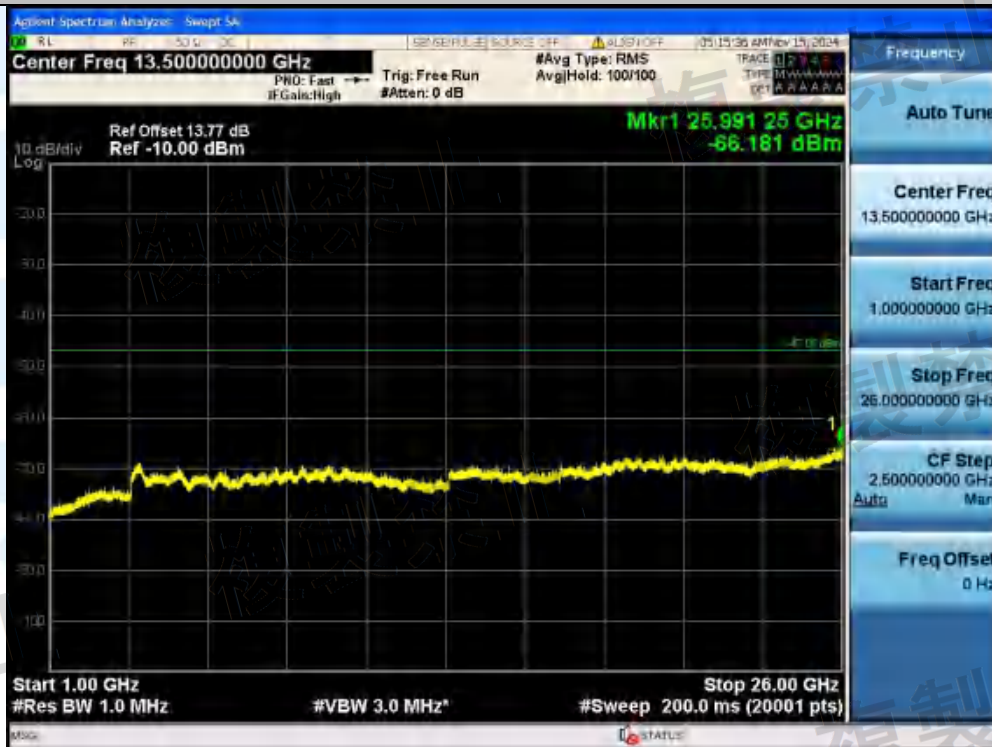
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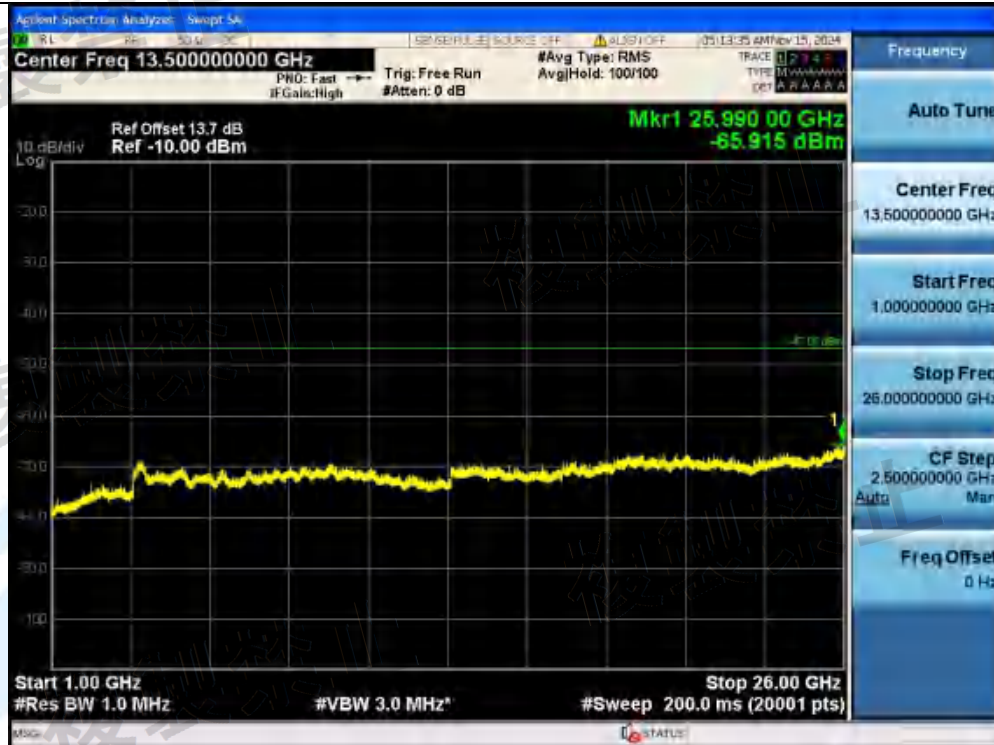
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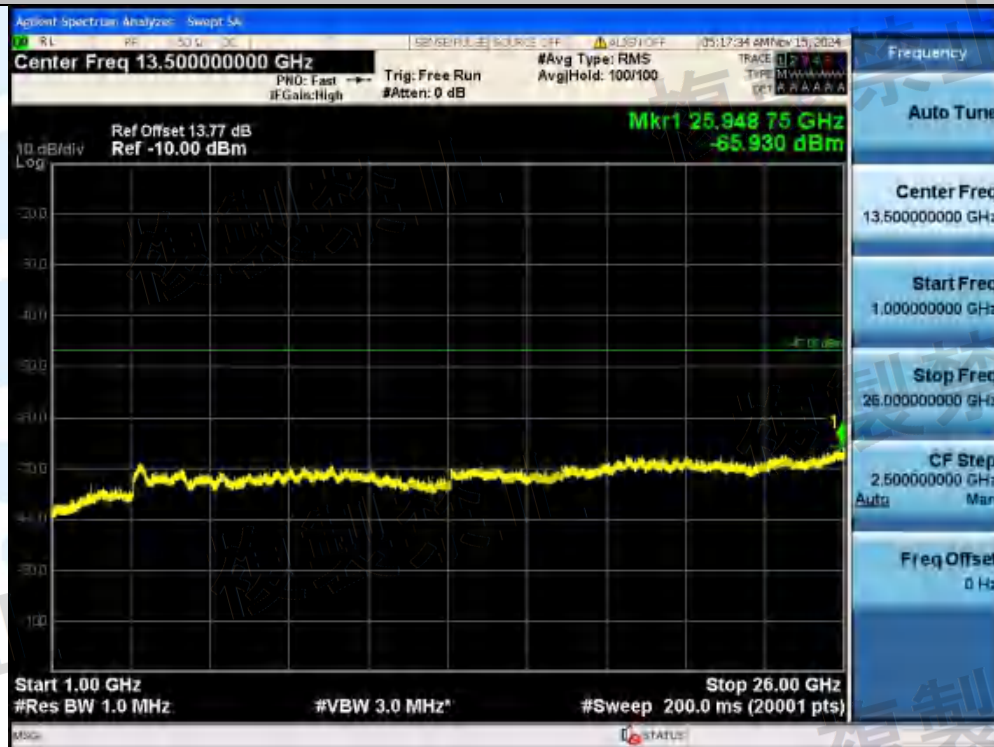
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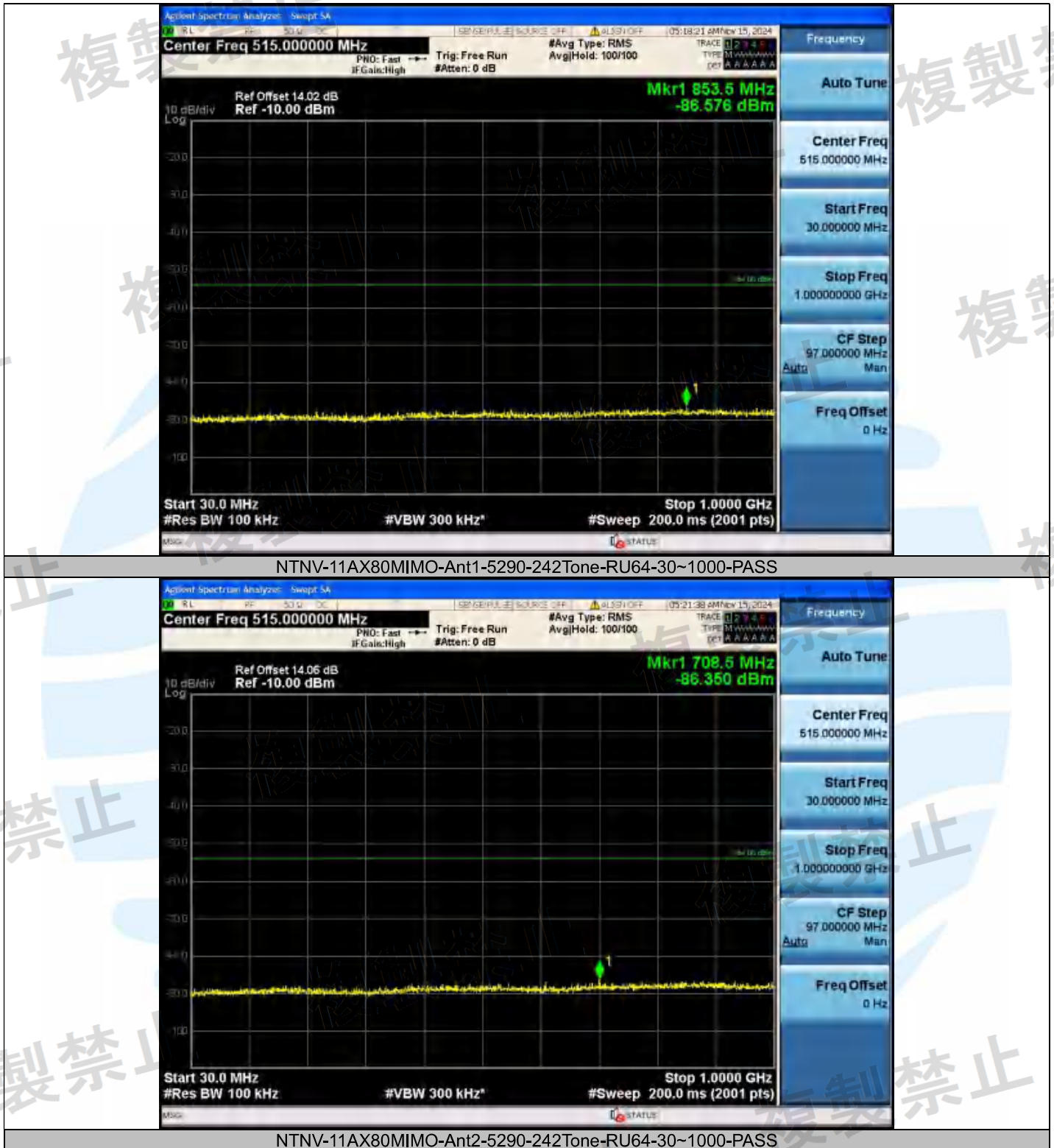
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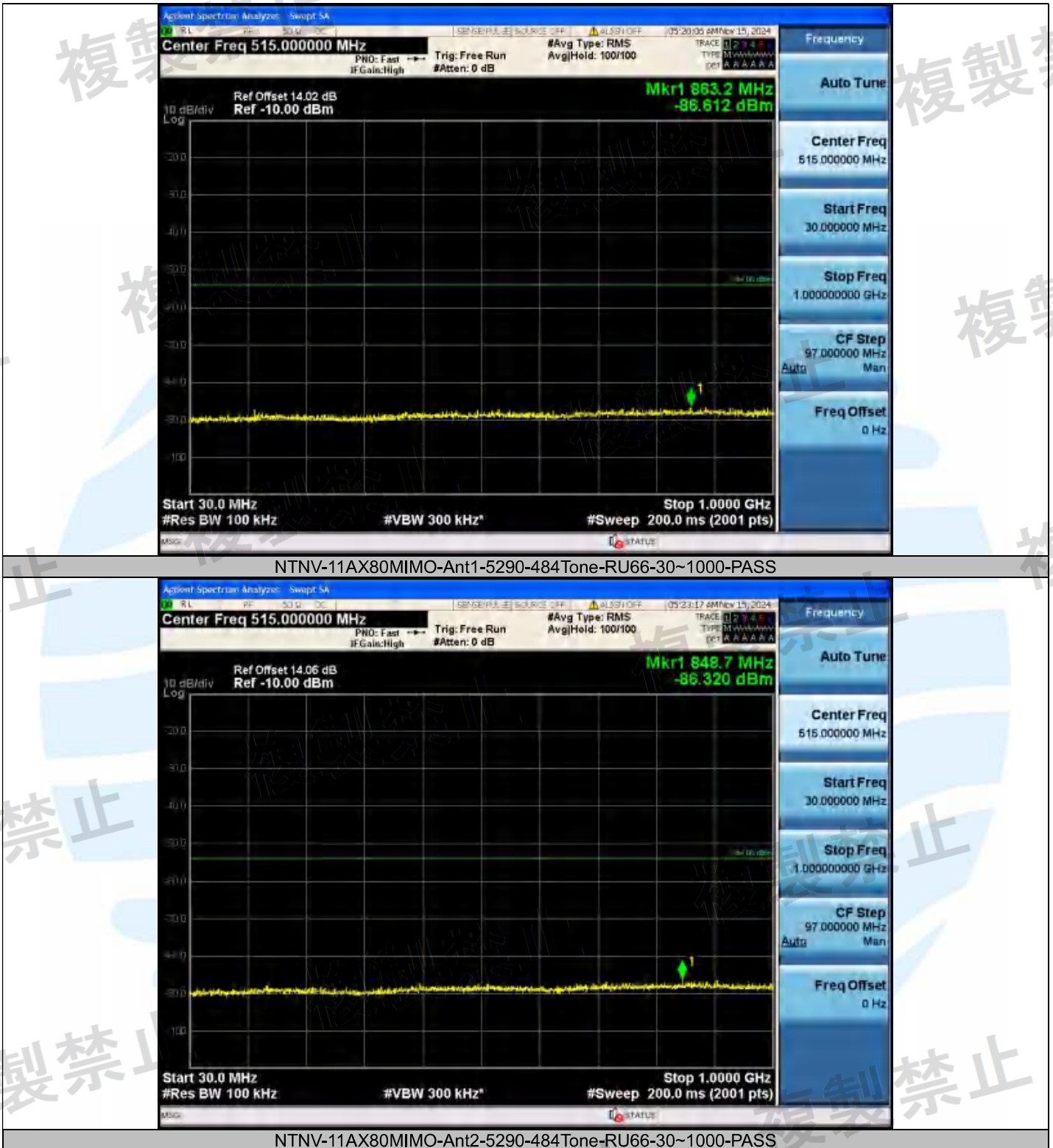


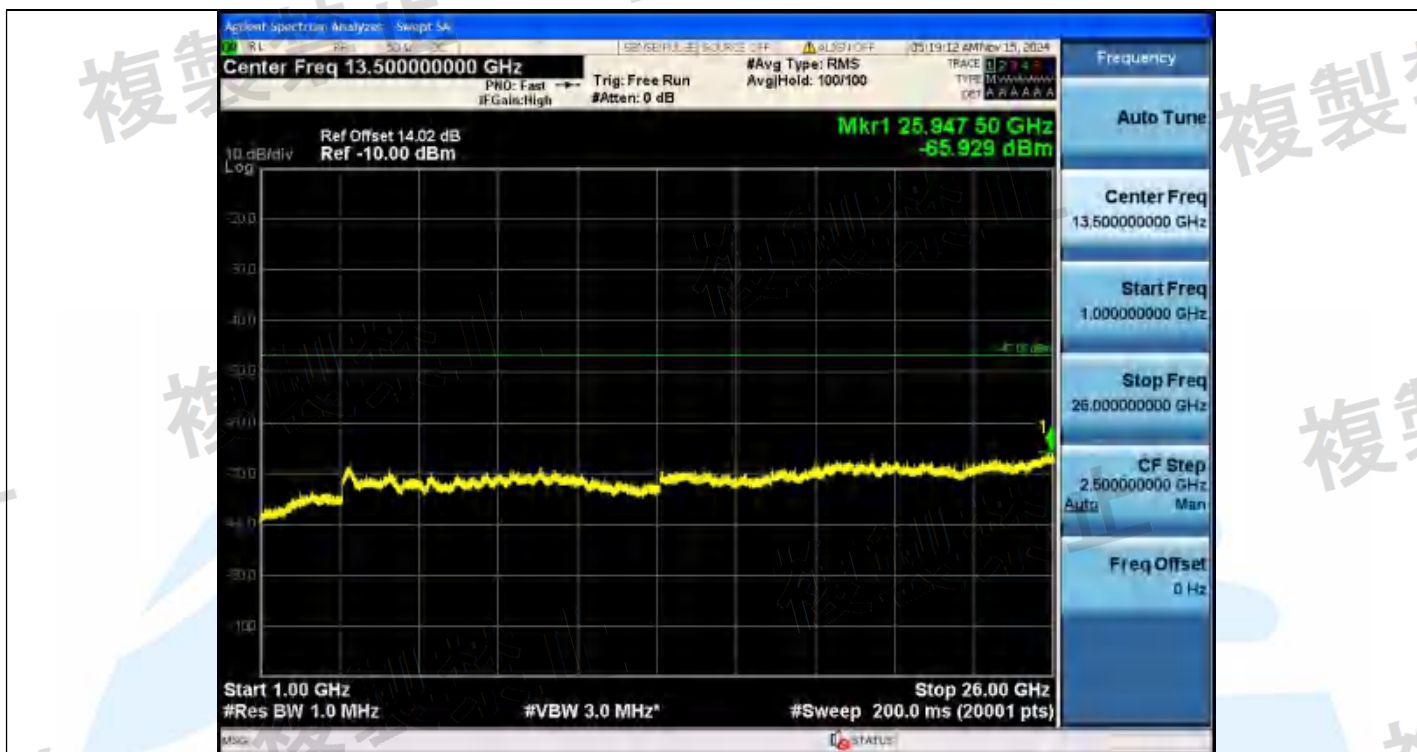
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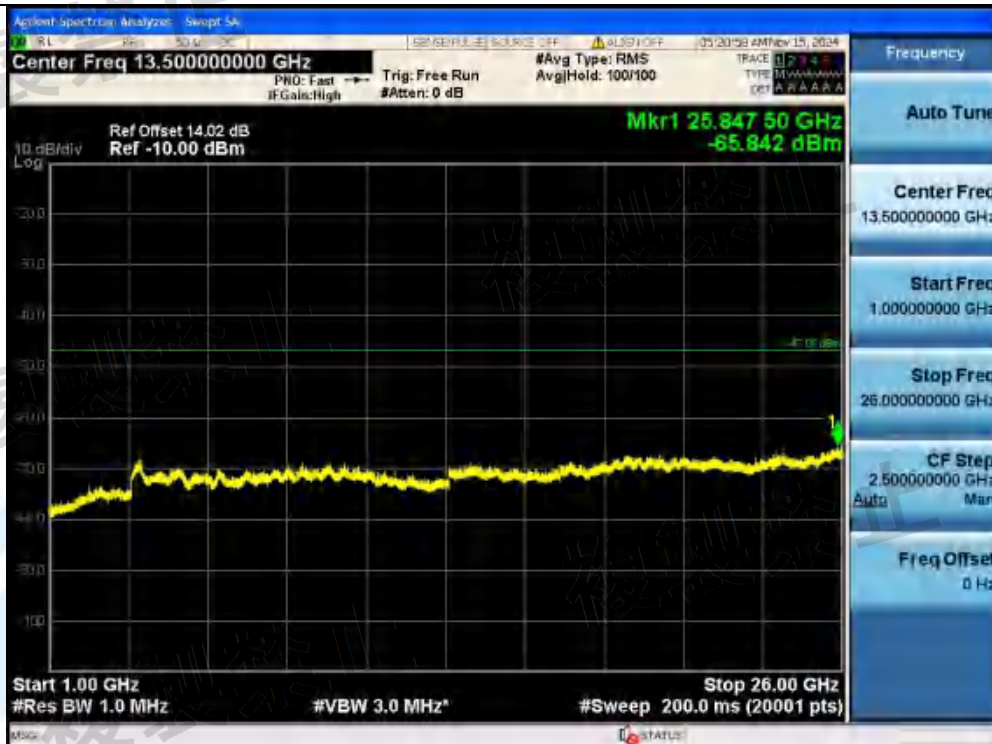




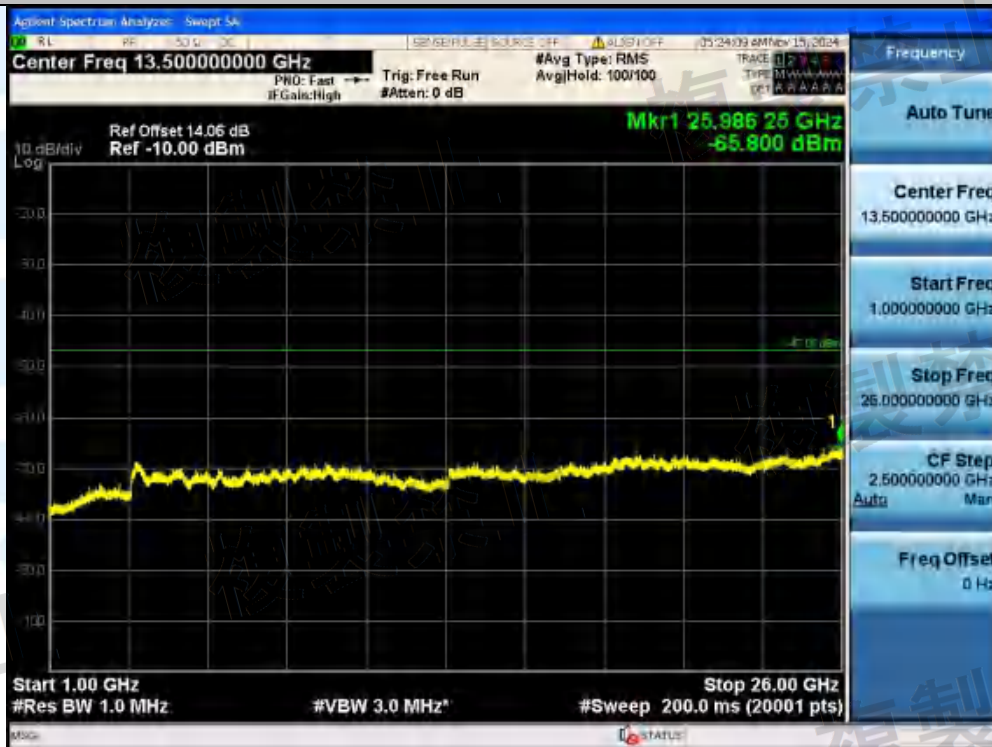
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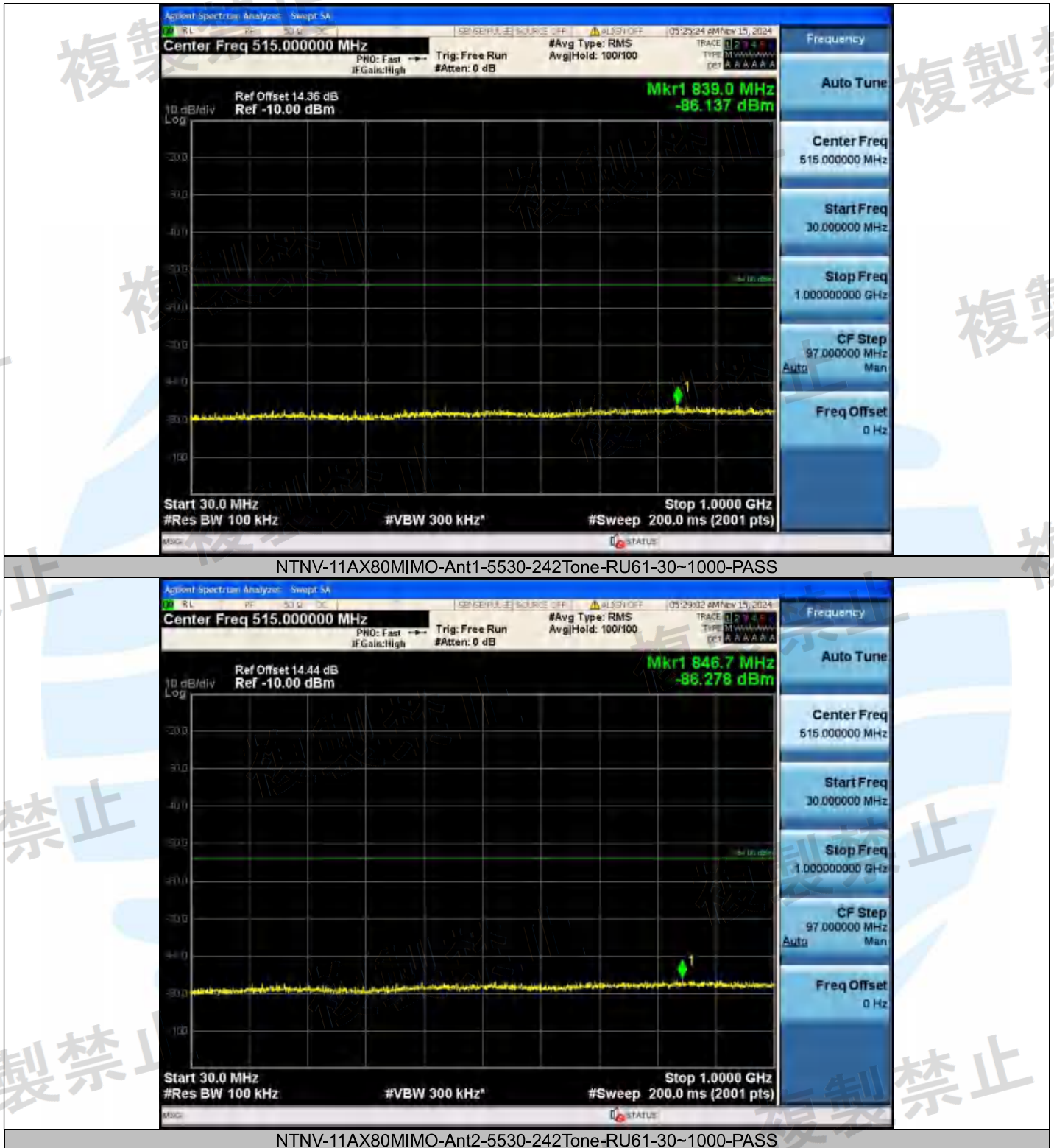
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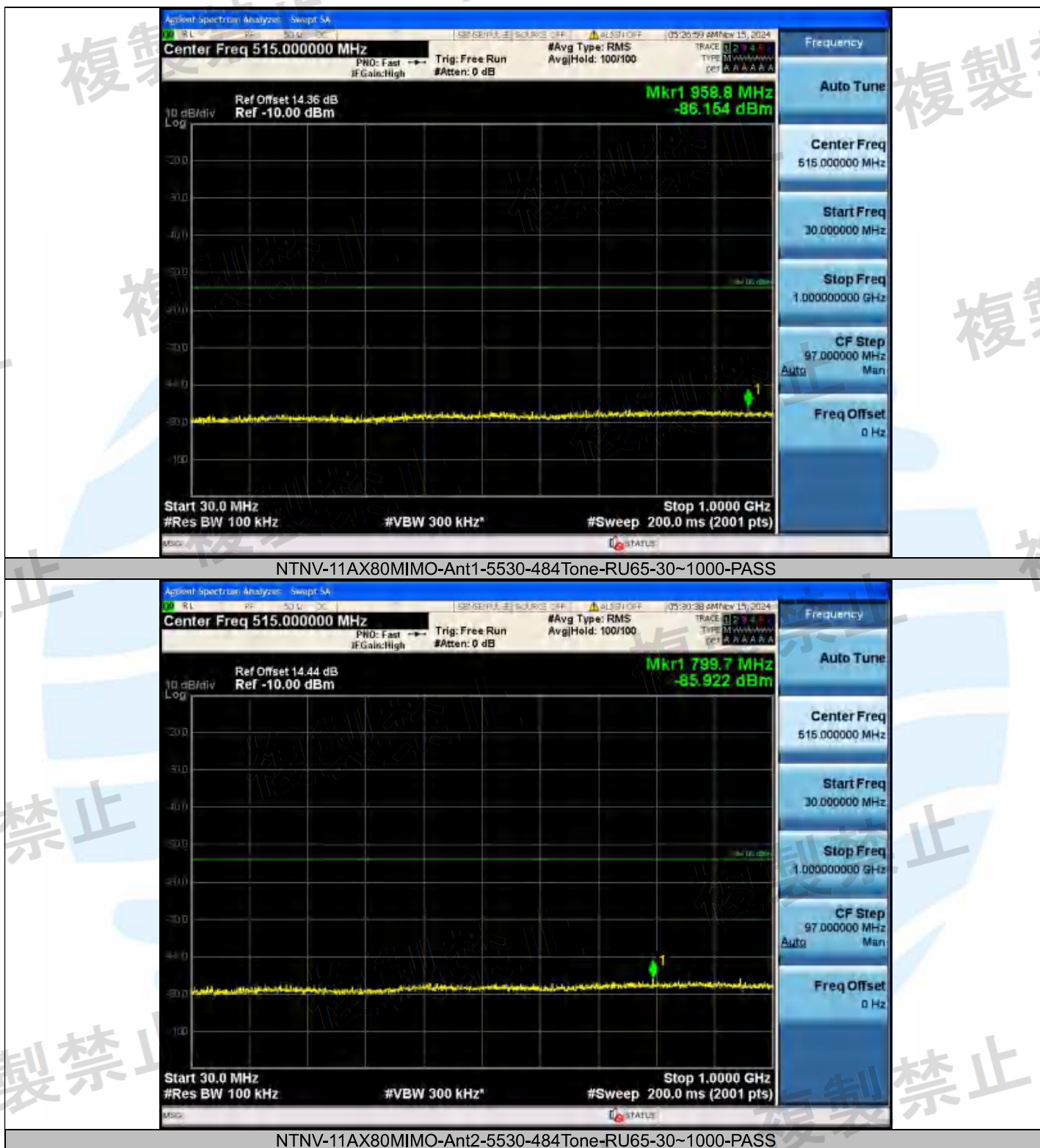


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NTVN-11AX80MIMO-Ant2-5290-484Tone-RU66-1000~26000-PASS





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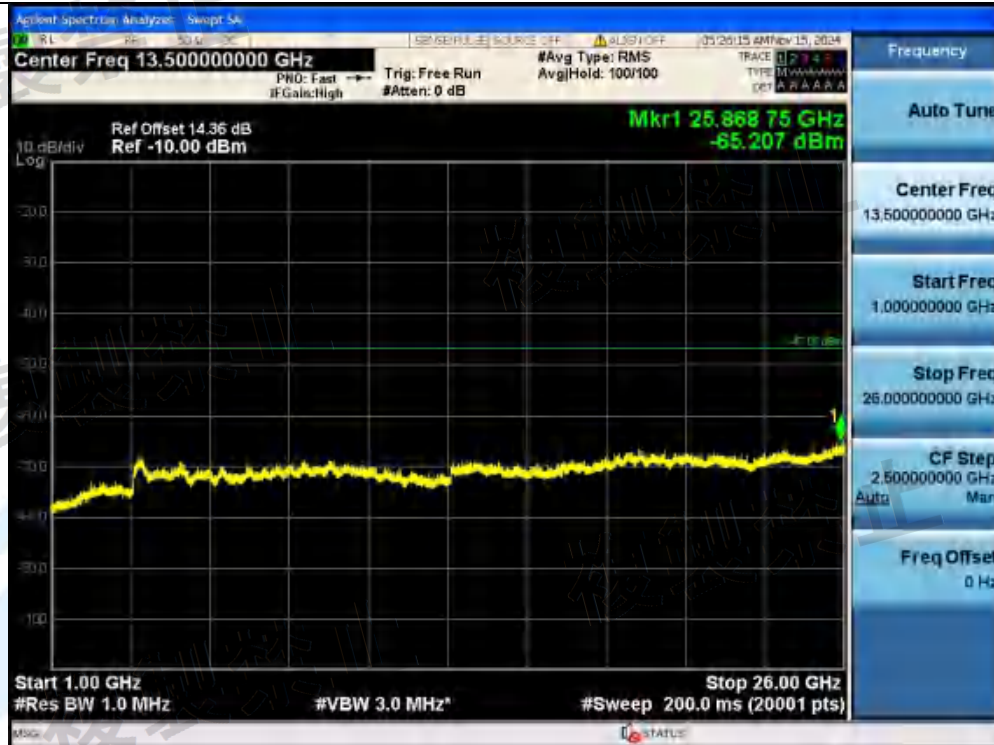
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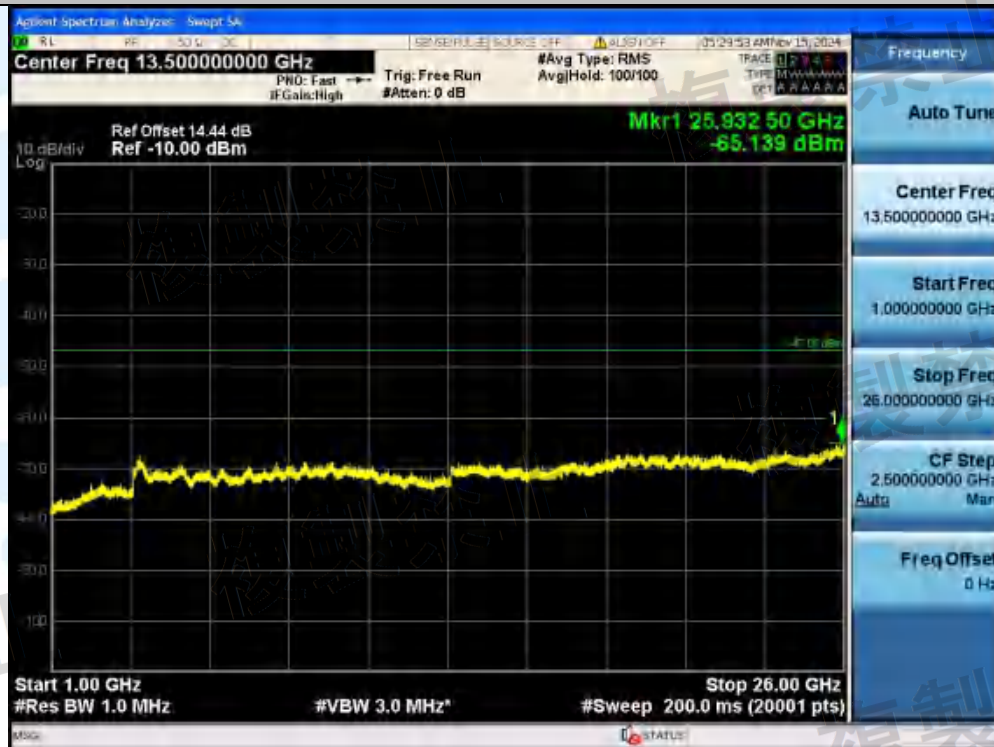
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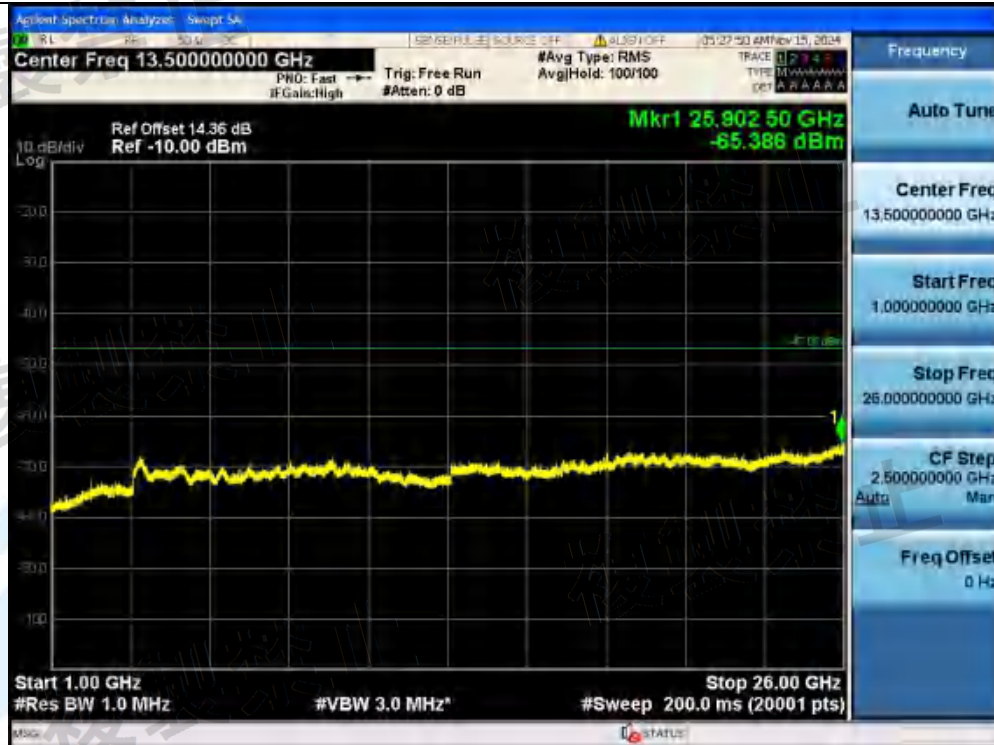
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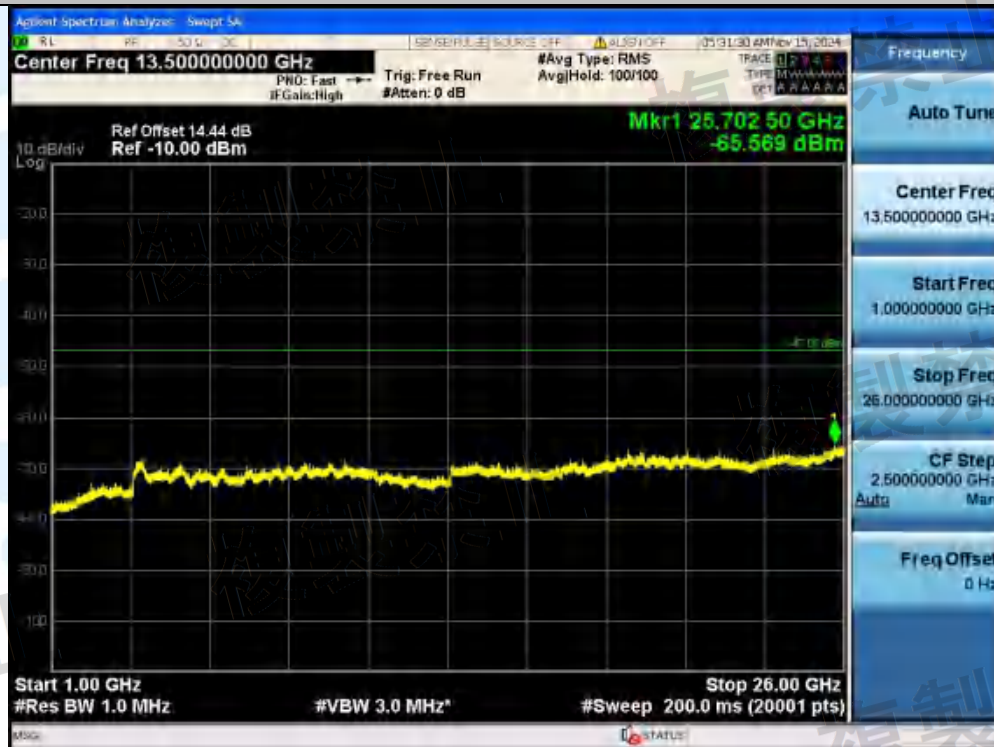
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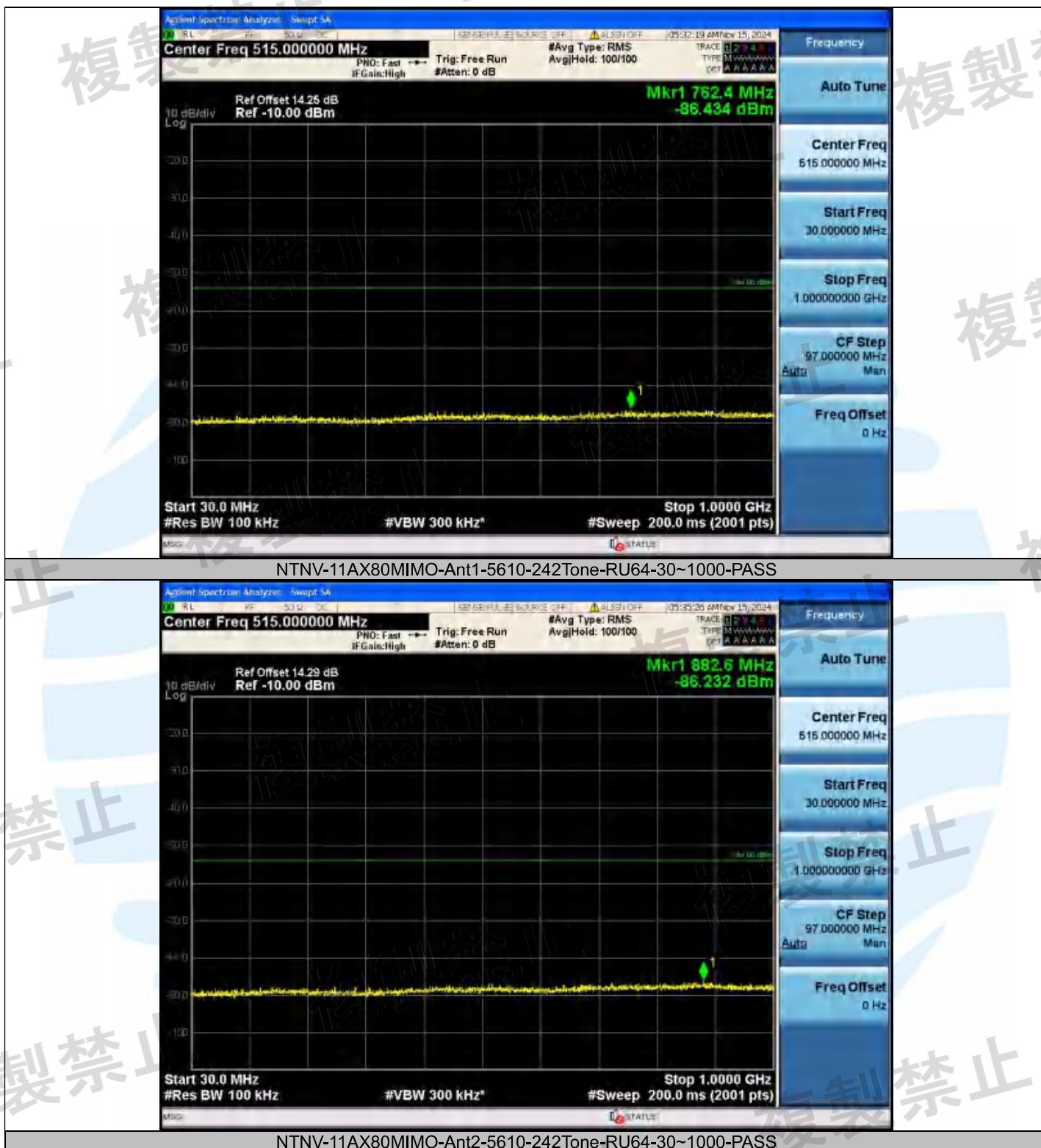
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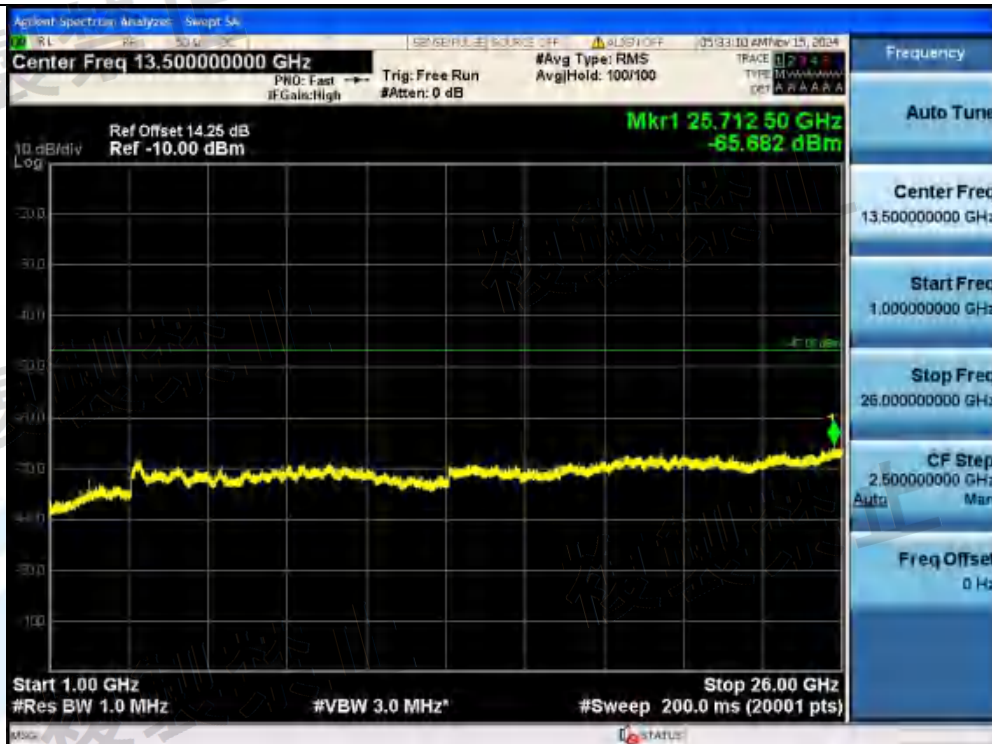




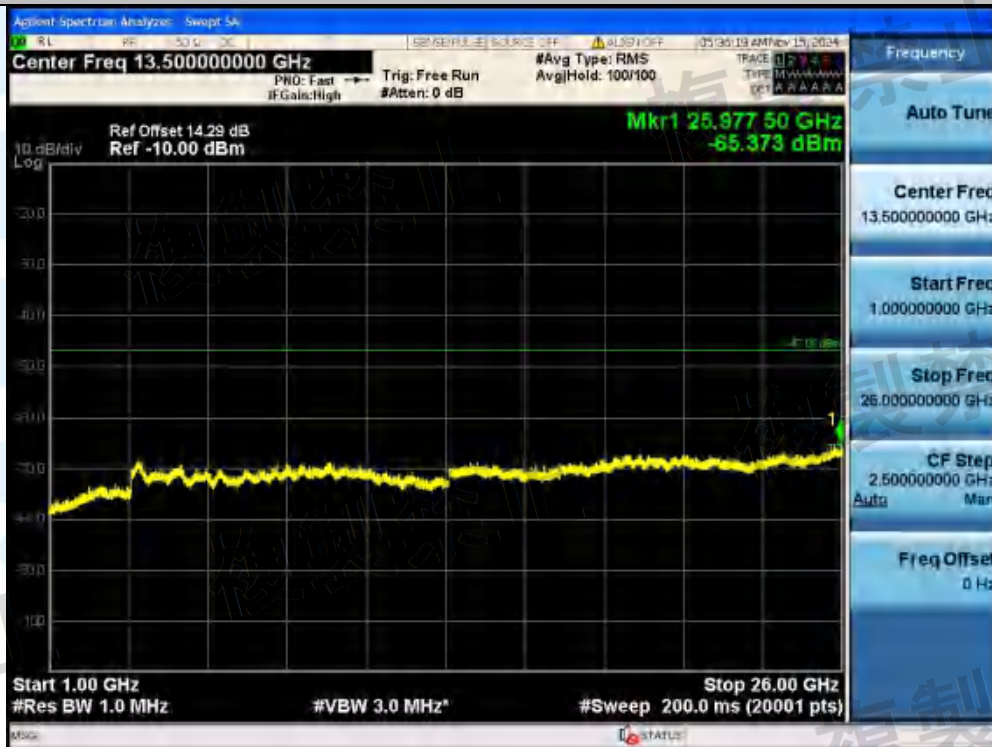
NTNV-11AX80MIMO-Ant1-5610-484Tone-RU66-30~1000-PASS



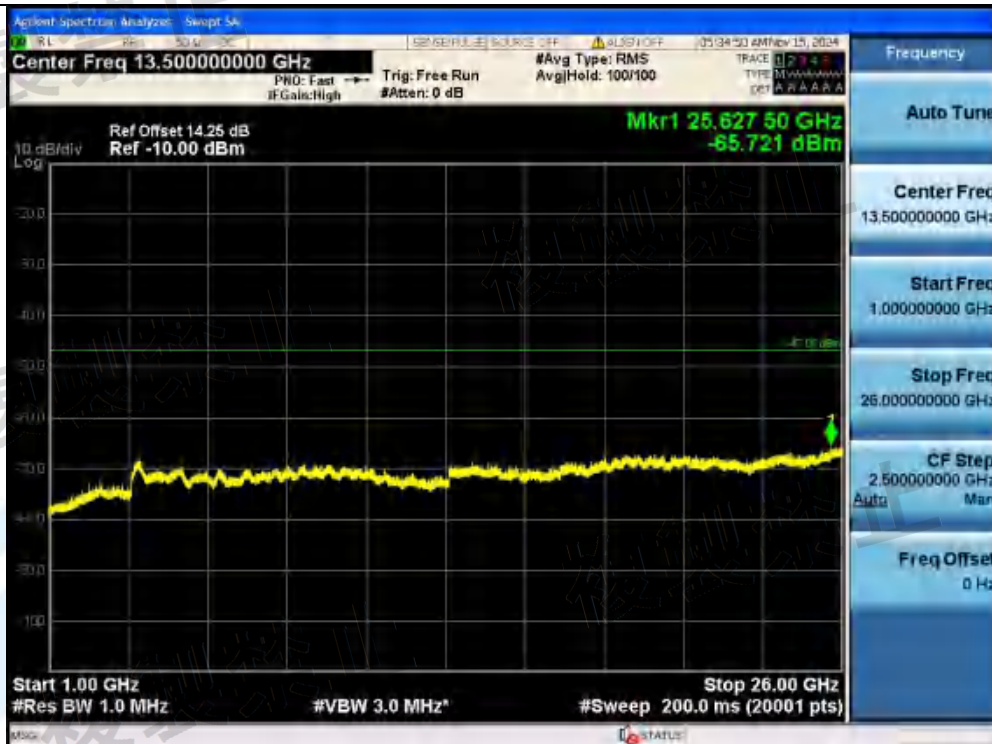
NTNV-11AX80MIMO-Ant2-5610-484Tone-RU66-30~1000-PASS



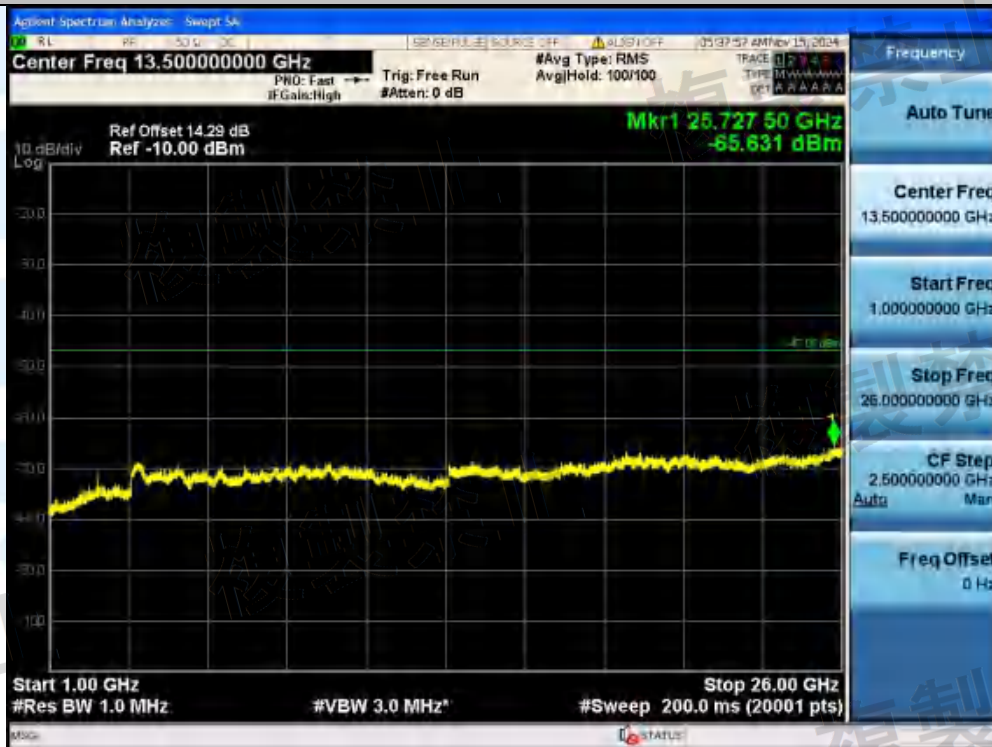
NTNV-11AX80MIMO-Ant1-5610-242Tone-RU64-1000~26000-PASS



NTNV-11AX80MIMO-Ant2-5610-242Tone-RU64-1000~26000-PASS



NTNV-11AX80MIMO-Ant1-5610-484Tone-RU66-1000~26000-PASS



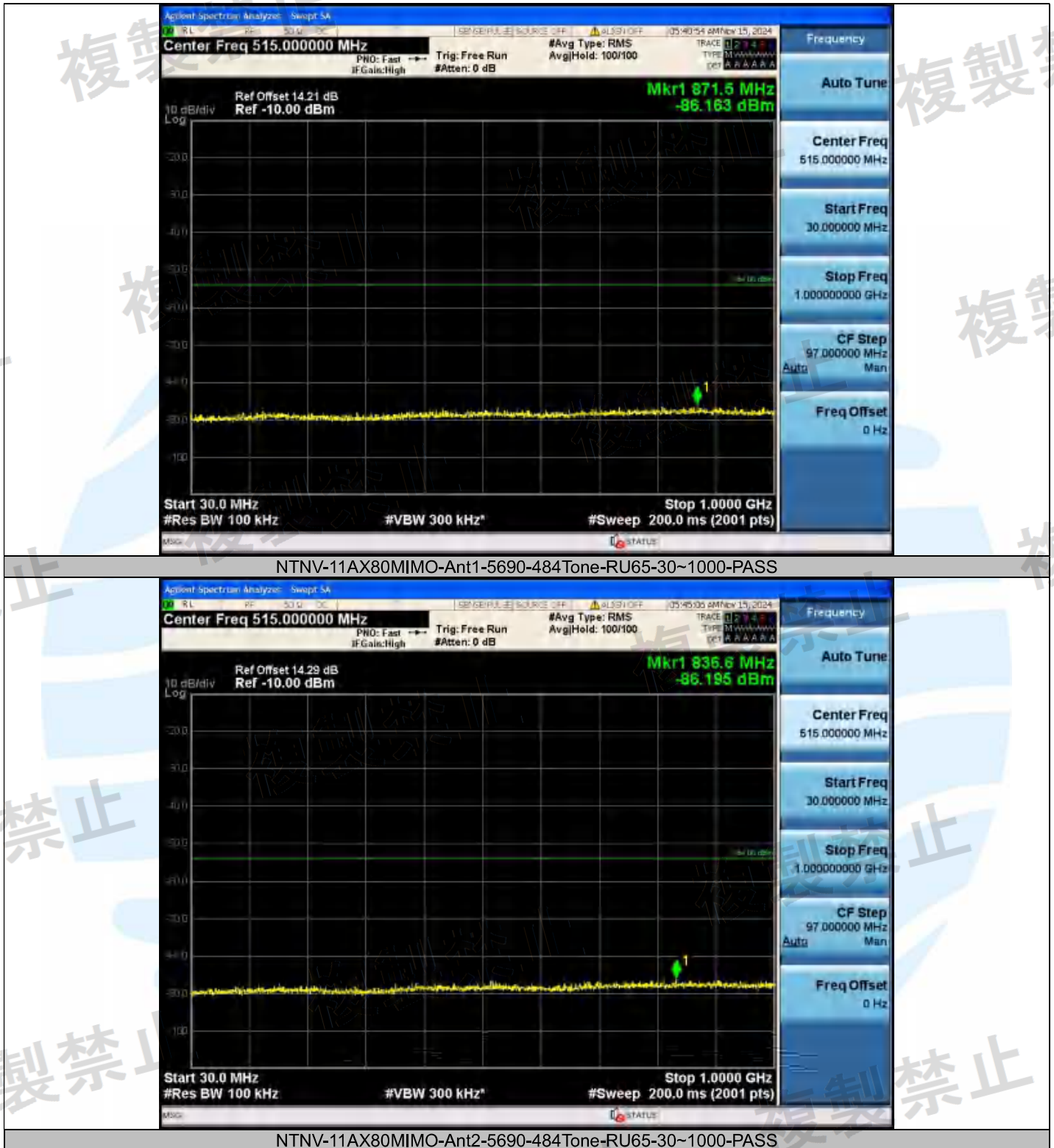
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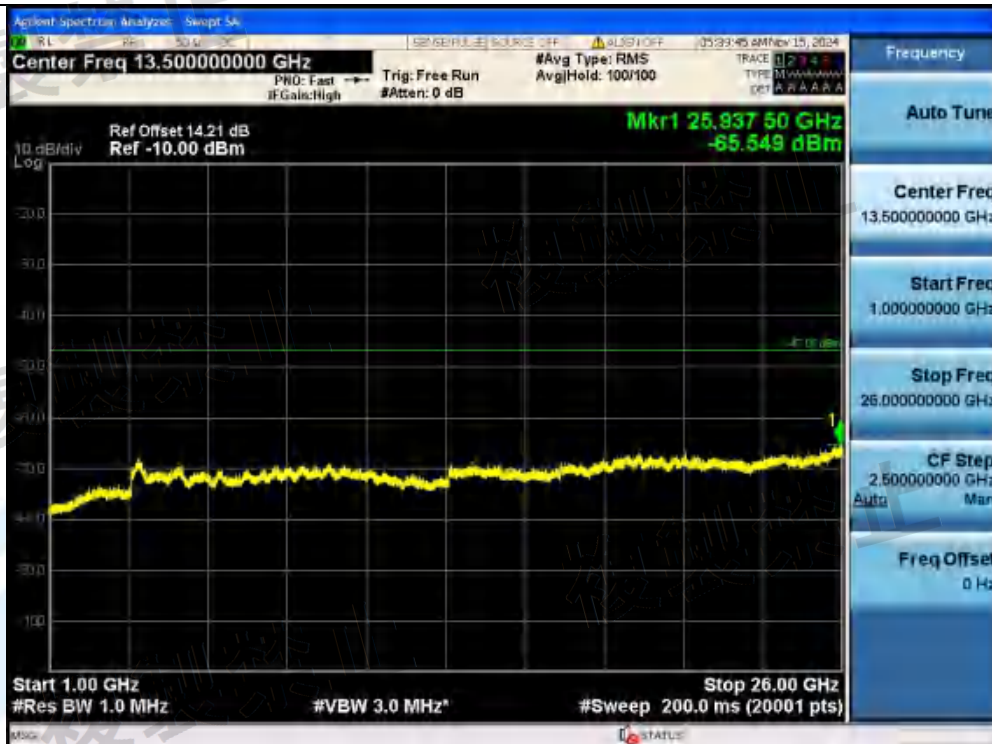


NTNV-11AX80MIMO-Ant1-5690-242Tone-RU61-30~1000-PASS

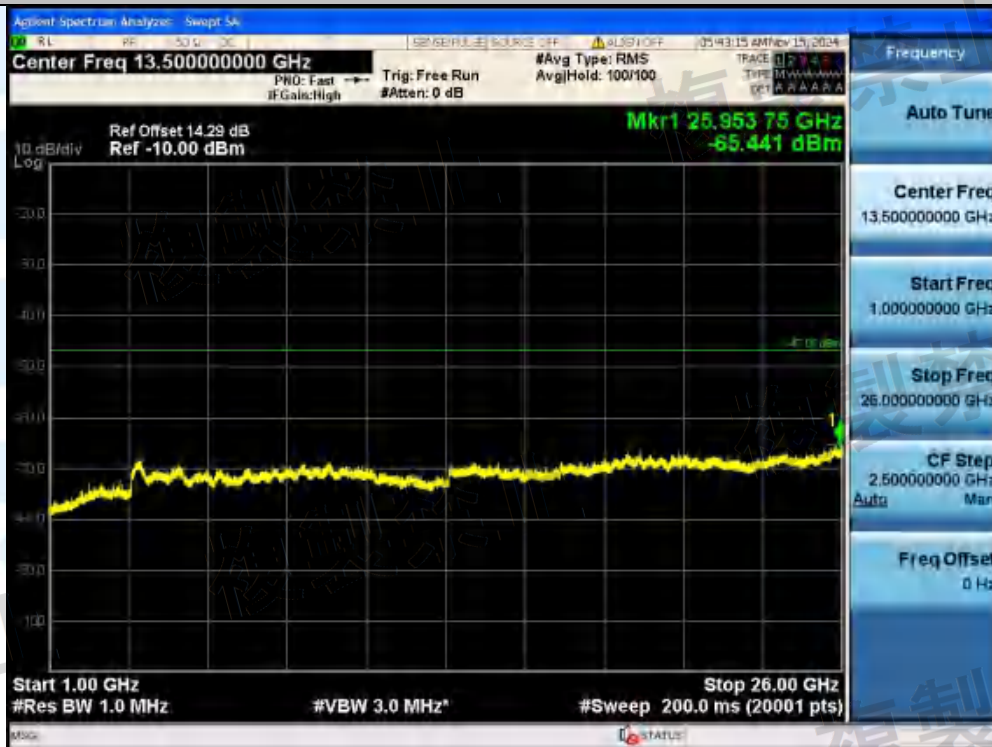


NTNV-11AX80MIMO-Ant2-5690-242Tone-RU61-30~1000-PASS

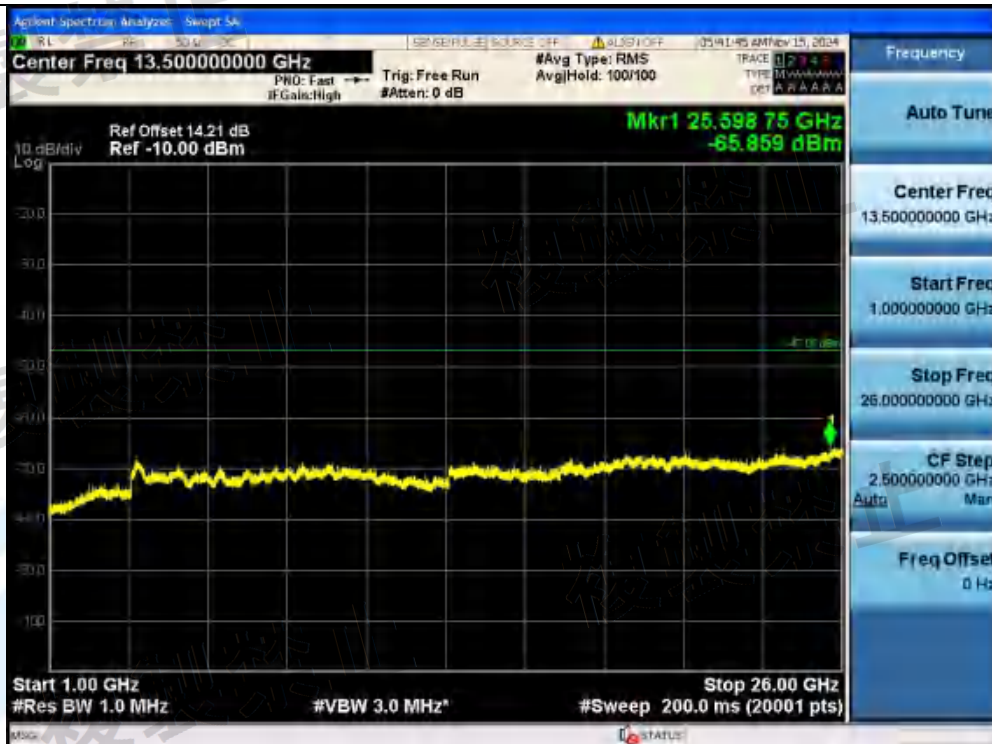




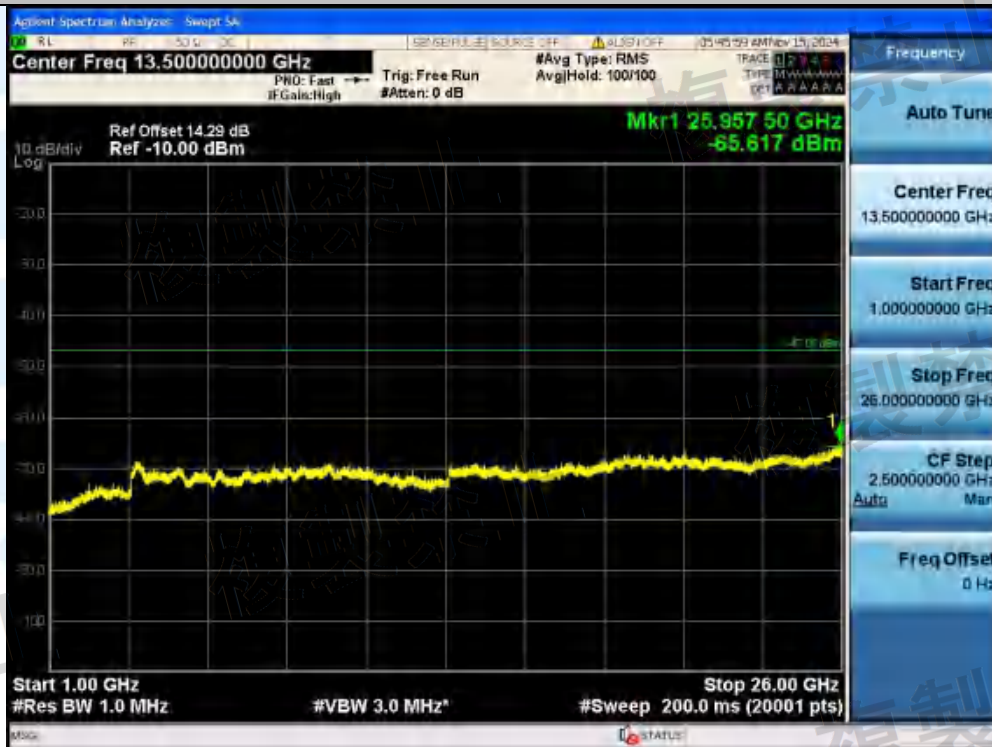
NTNV-11AX80MIMO-Ant1-5690-242Tone-RU61-1000~26000-PASS



NTNV-11AX80MIMO-Ant2-5690-242Tone-RU61-1000~26000-PASS



NTNV-11AX80MIMO-Ant1-5690-484Tone-RU65-1000~26000-PASS



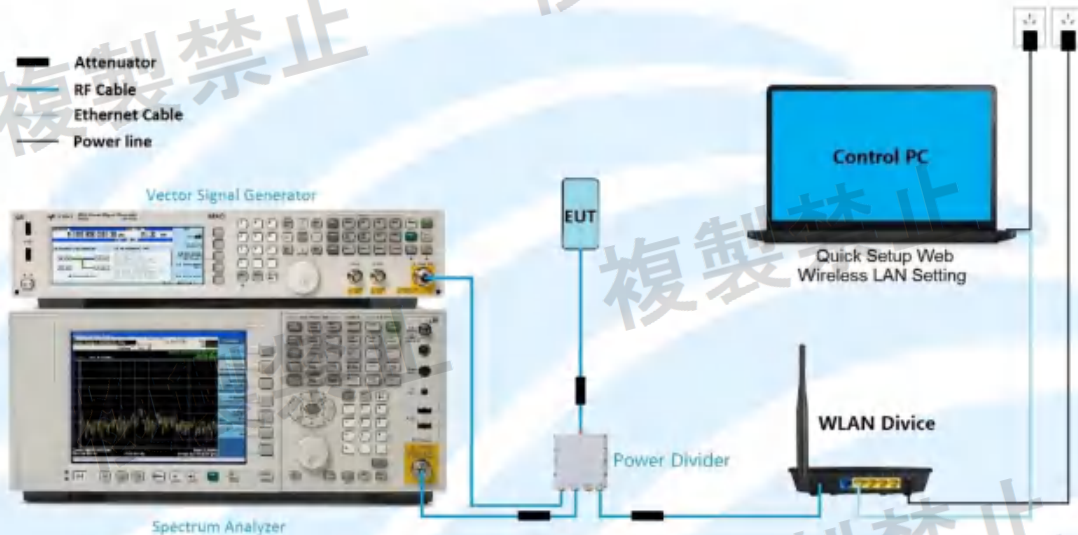
NTNV-11AX80MIMO-Ant2-5690-484Tone-RU65-1000~26000-PASS

5.11 CARRIER SENSE CAPABILITY

5.11.1 Limit

The radio equipment connected to telecommunication circuit equipment shall be equipped with a device which detects emissions radiated from another radio station and prevents interference, or a device which prevents interference by operation on a receive signal and a signal for diffusion for signal level detection.

5.11.2 Test Setup



5.11.3 Instruments Used

Refer to section 3 for details

5.11.4 Test Procedures

1. Turn the standard signal generator output OFF. Leave the equipment under test to be ready for transmission and verify the transmission with the spectrum analyzer.
2. Set the equipment under test to the receiving state.
3. Turn the standard signal generator ON and leave the equipment under test to be ready for transmission and verify with the spectrum analyzer that no transmission is being made.

5.11.5 Result

Worst Mode:

Mode	Channel	Frequency (MHz)	Antenna Gain (dBi)	Pcs (dBm)	C.F (dB)	S.G Level (dBm)	Result
IEEE 802.11ac_40	38	5190	3.5	-45.46	17.57	-27.89	PASS
IEEE 802.11ac_80	42	5210	3.5	-45.43	18.14	-27.29	PASS

Note:

$Pcs (dBm) = 22.79 + G - 20\log(F)$.

G: Antenna gain 3.5 dBi.

F: Transmission frequency (MHz).

C.F = Distributor loss + cable loss.



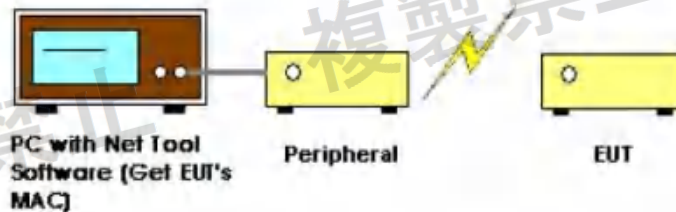
Add Interference signal
IEEE 802.11ac 80 Channel 42

5.12 INTERFERENCE PREVENTION FUNCTION

5.12.1 Limit

Identification code ≥ 48 bits

5.12.2 Test Setup



5.12.3 Test Procedures

- In the case that the EUT has the function of automatically transmitting the identification code:
 - Transmit the predetermined identification codes from EUT.
 - Check the transmitted identification codes with the demodulator.
- In the case of receiving the identification code:
 - Transmit the predetermined identification codes from the counterpart.
 - Check if communication is normal.
 - Transmit the signals other than predetermined ID codes from the counterpart.
 - Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

5.12.4 Test Result

TX: The transmitting mode of EUT is on normal operating, the interference prevention function is okay.

RX: The receiving mode of EUT is on normal operating, the interference prevention function is okay.

The ID Code of this Wi-Fi device is C4-42-68-57-F9-74 as below list:

Identification code	
<pre>wlan0 Link encap:Ethernet HWaddr C4:42:68:57:F9:74 inet addr:192.168.80.68 Bcast:192.168.80.255 Mask:255.255.255.0 UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1 RX packets:372068 errors:0 dropped:35 overruns:0 frame:0 TX packets:402007 errors:0 dropped:0 overruns:0 carrier:0 collisions:0 txqueuelen:1000 RX bytes:557086827 (531.2 MiB) TX bytes:606920041 (578.8 MiB) RX-frames:372068 TX-frames:402007 TX-frames:402007 TX-frames:402007 TX-frames:402007 TX-frames:402007 TX-frames:402007 TX-frames:402007</pre>	

5.13 CONSTRUCTION PROTECTION

5.13.1 Limit

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

5.13.2 Confirmation Method

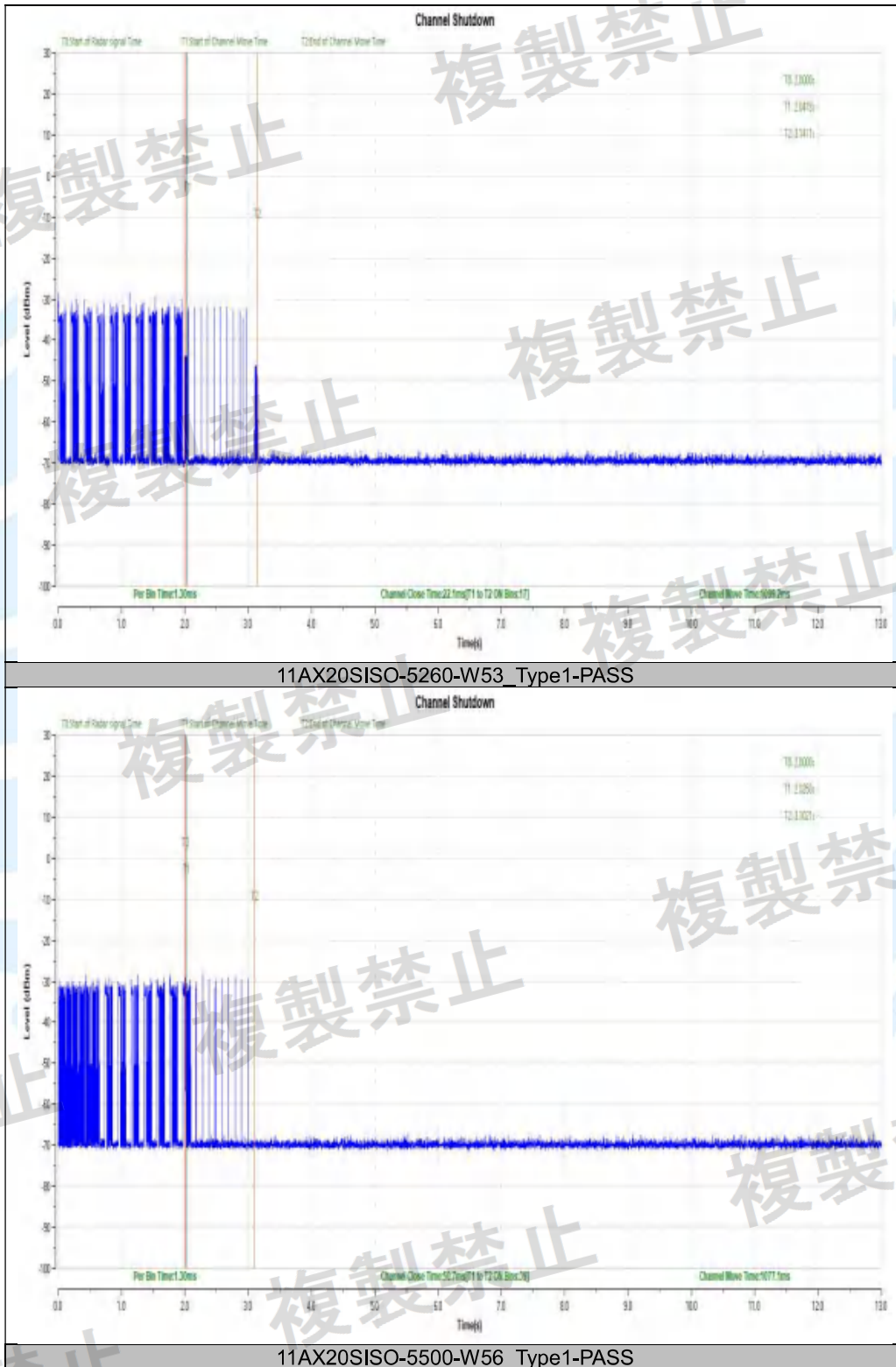
☐	Sealed with special screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☐	Chassis is glued using a special adhesive.
☐	Metal covers are spot-fused.
☐	Cover is specially interlocked.
☒	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☐	Other :

5.13.3 The Photos of Construction Protection



5.14.6 Test result

Test Mode	Frequency [MHz]	Radar Type	CCT [ms]	Limit [ms]	CMT [ms]	Limit [ms]	Verdict
11AX20SISO	5260	W53_Type1	22.1	260	1099.2	10000	PASS
11AX20SISO	5500	W56_Type1	50.7	260	1077.1	10000	PASS



APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

Refer to Appendix 1 for Test Setup photos.

APPENDIX 2 PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT photos.

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.
