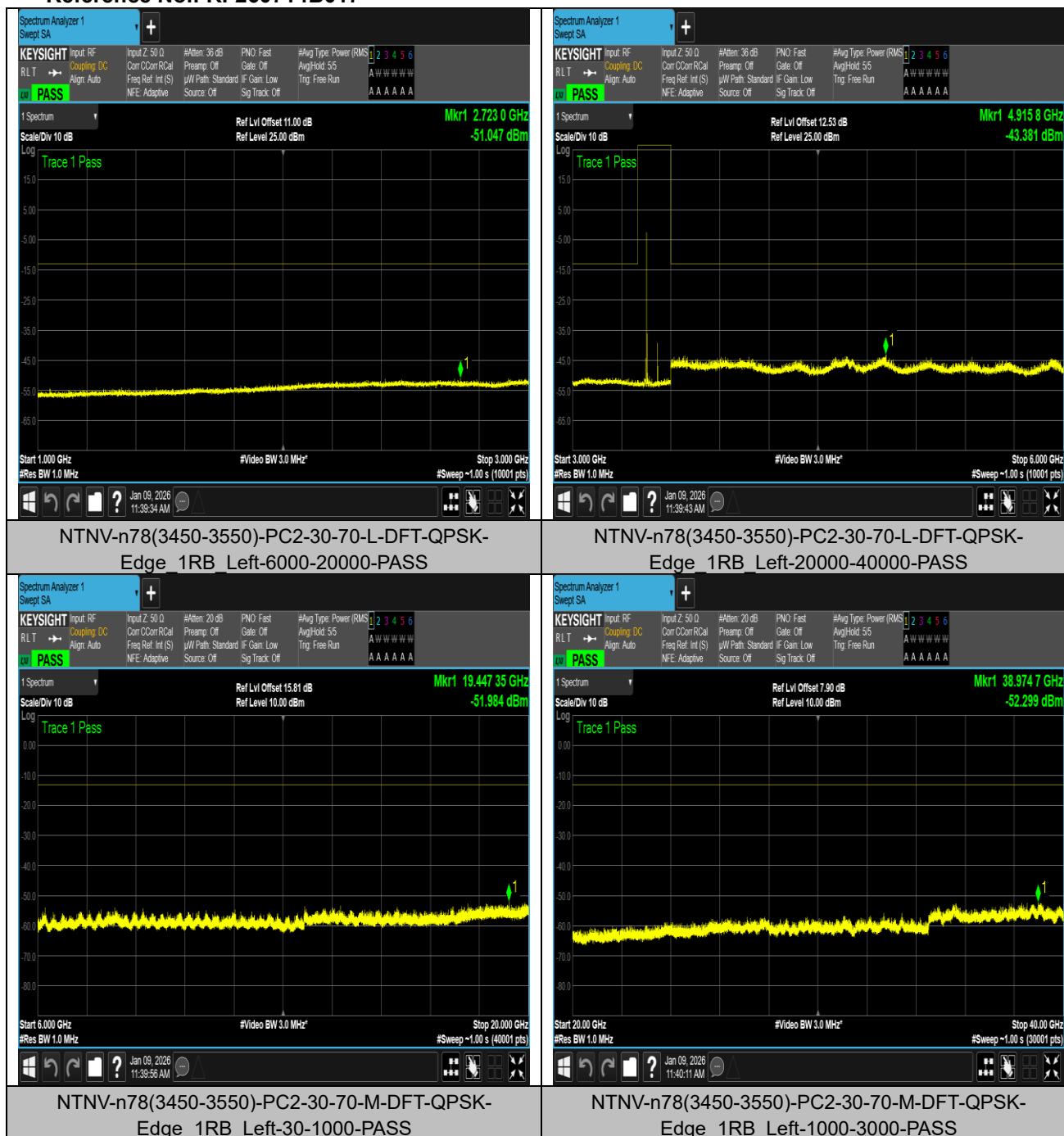




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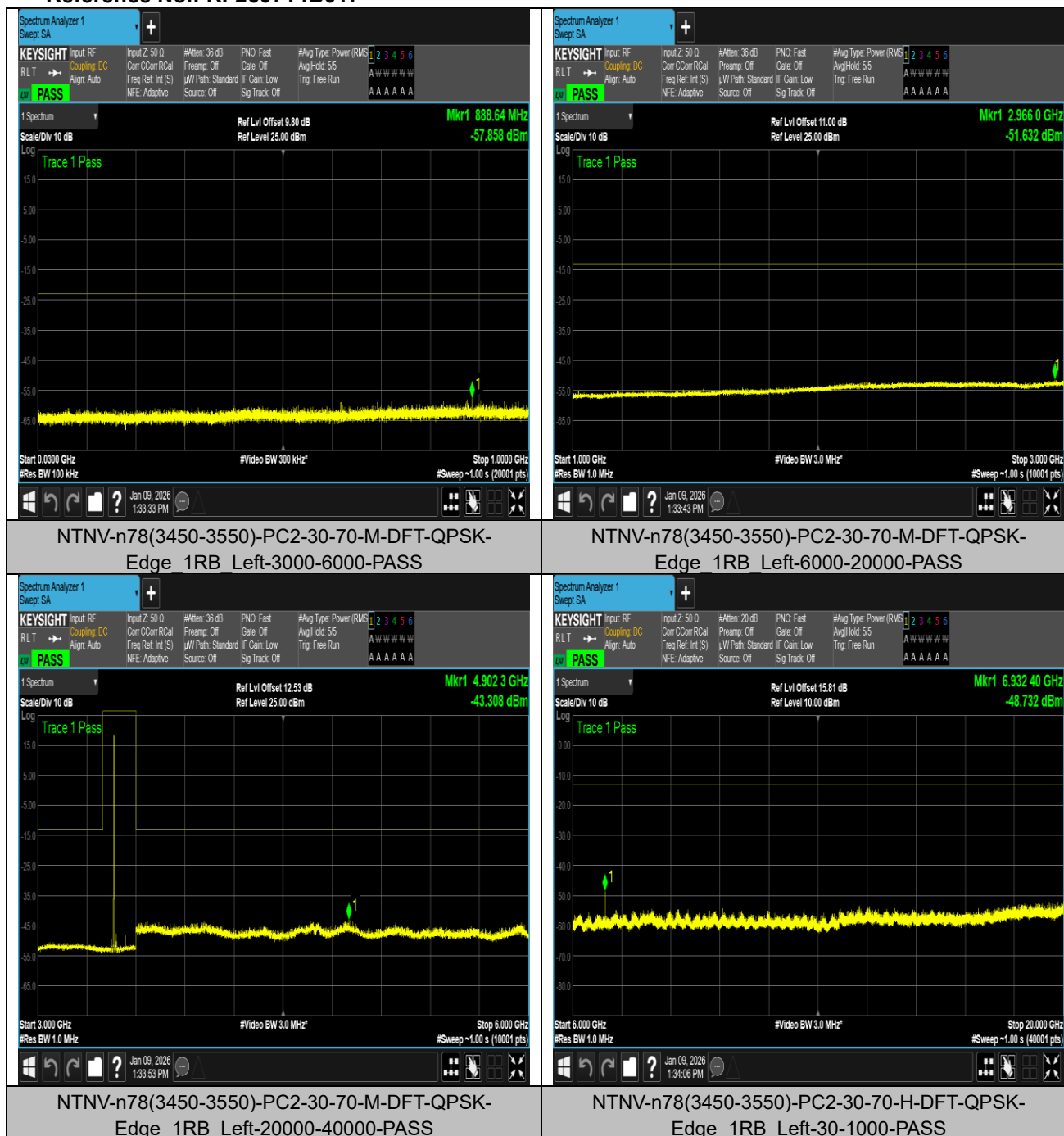
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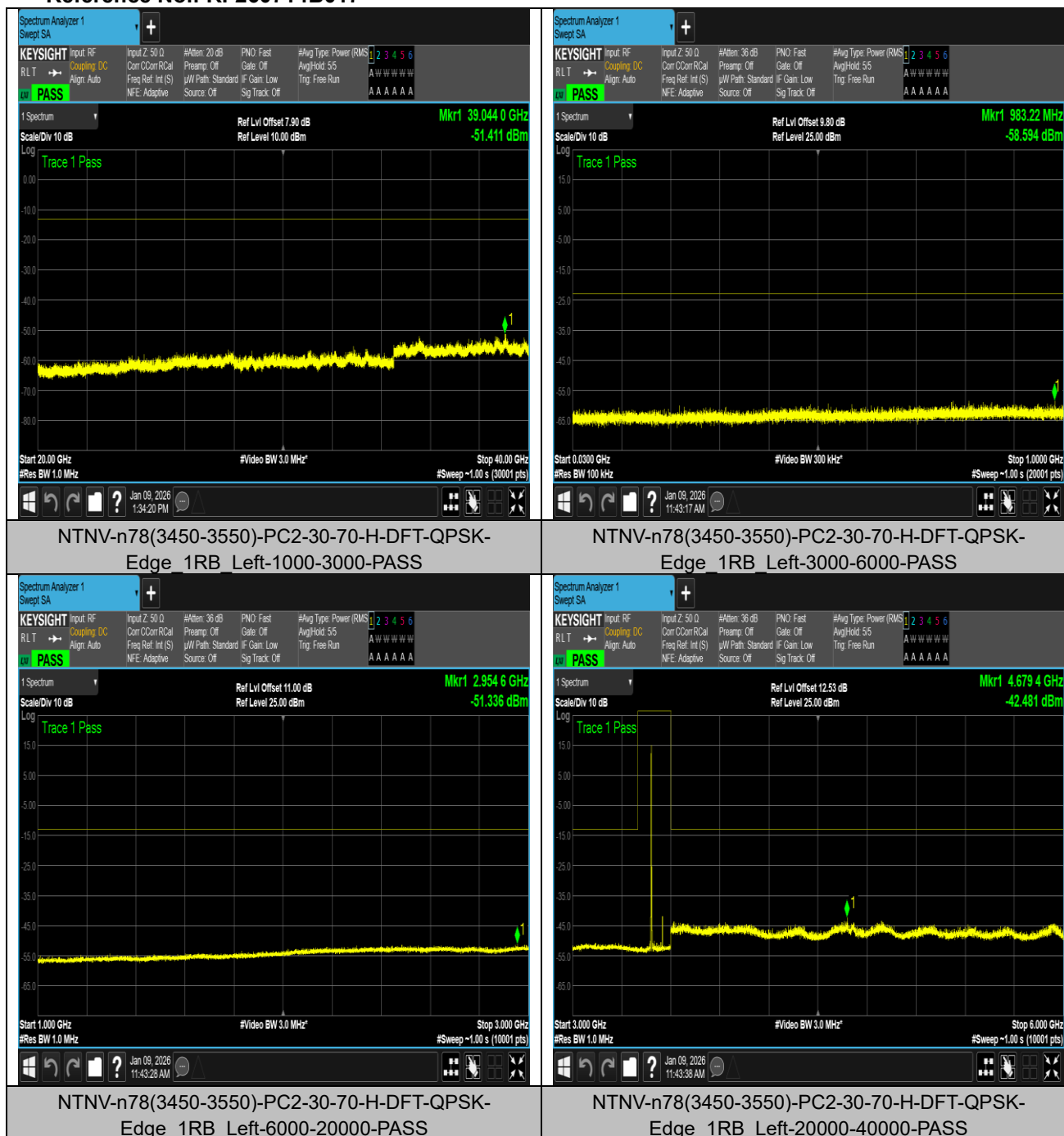


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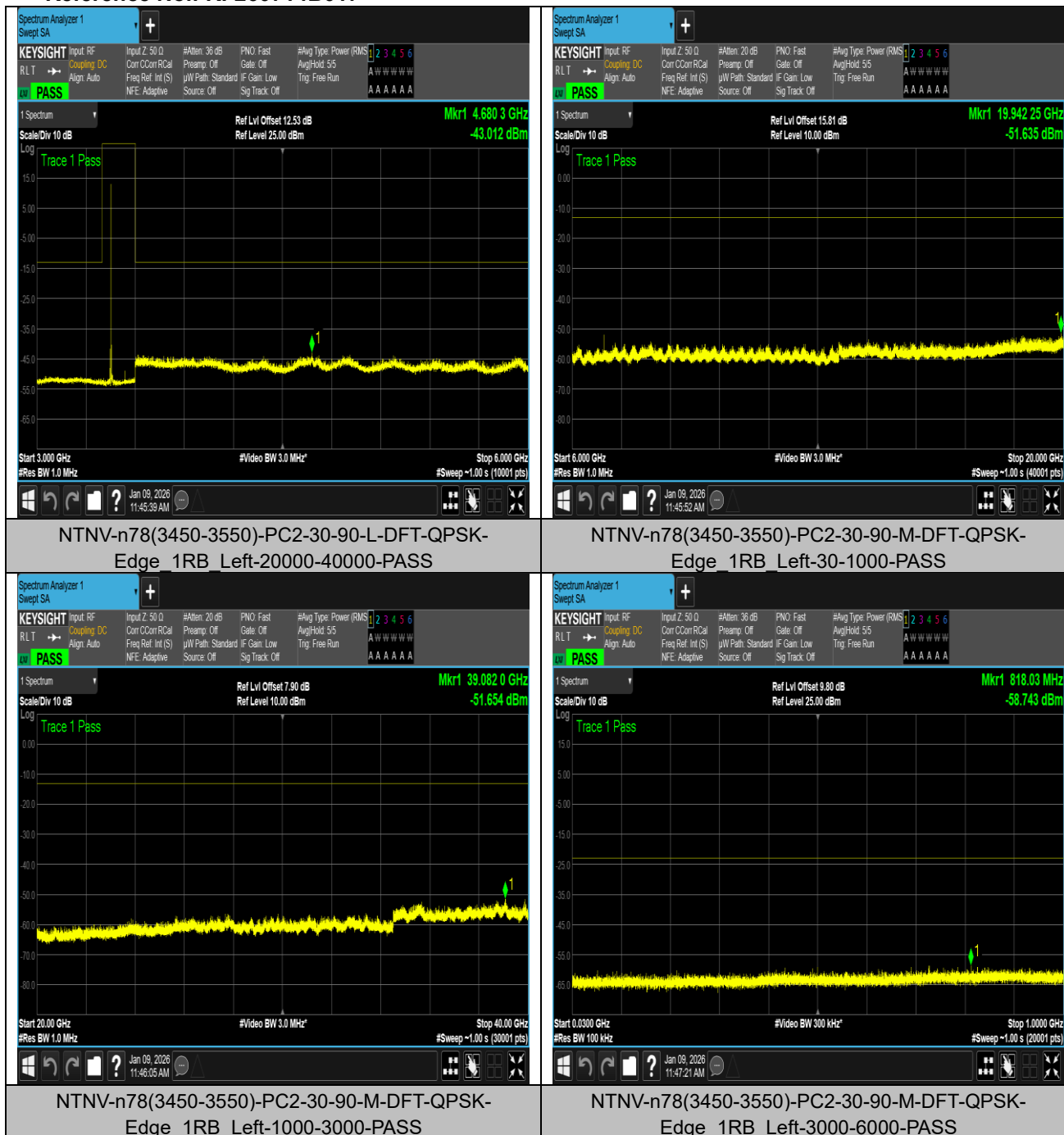
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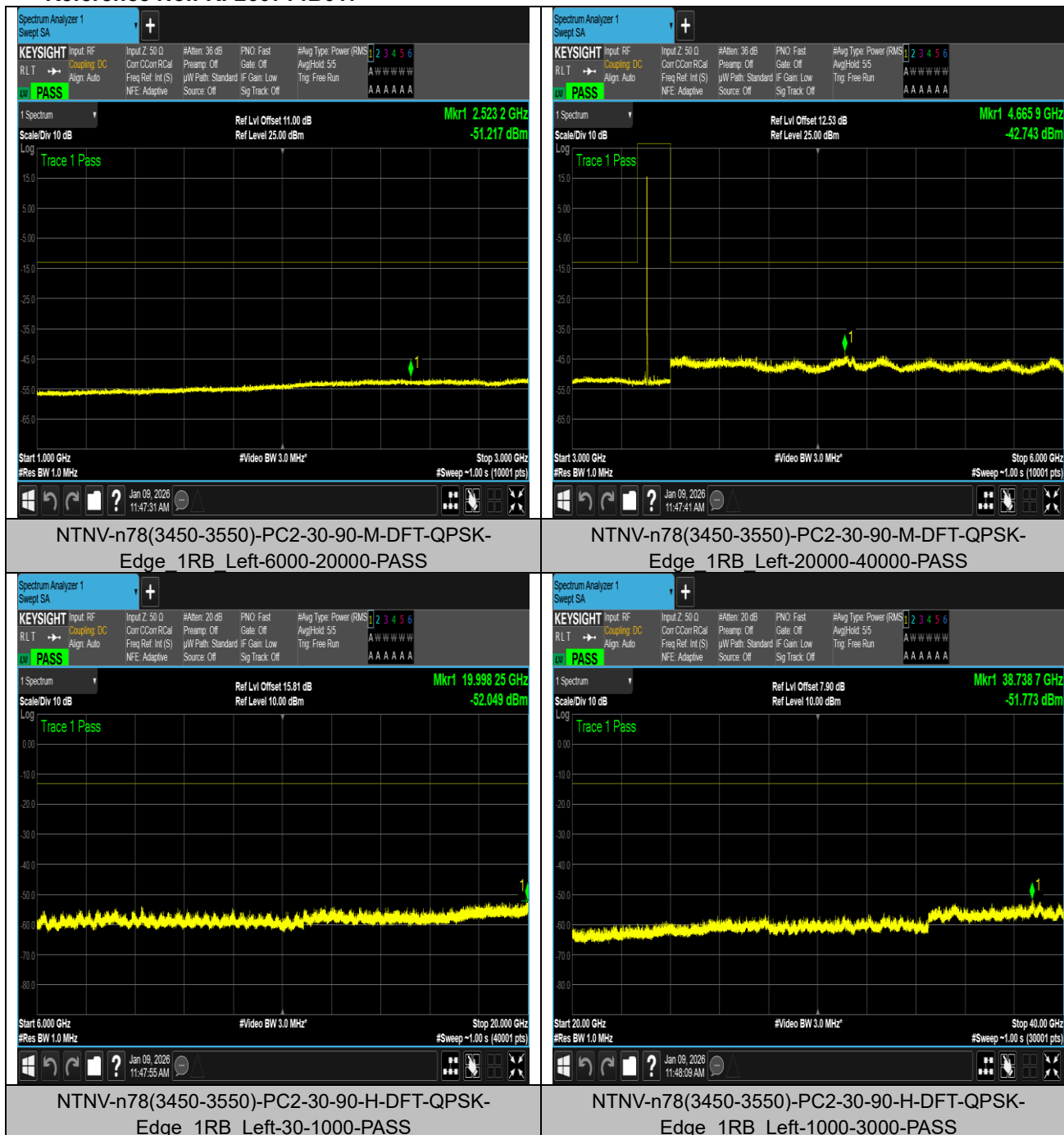
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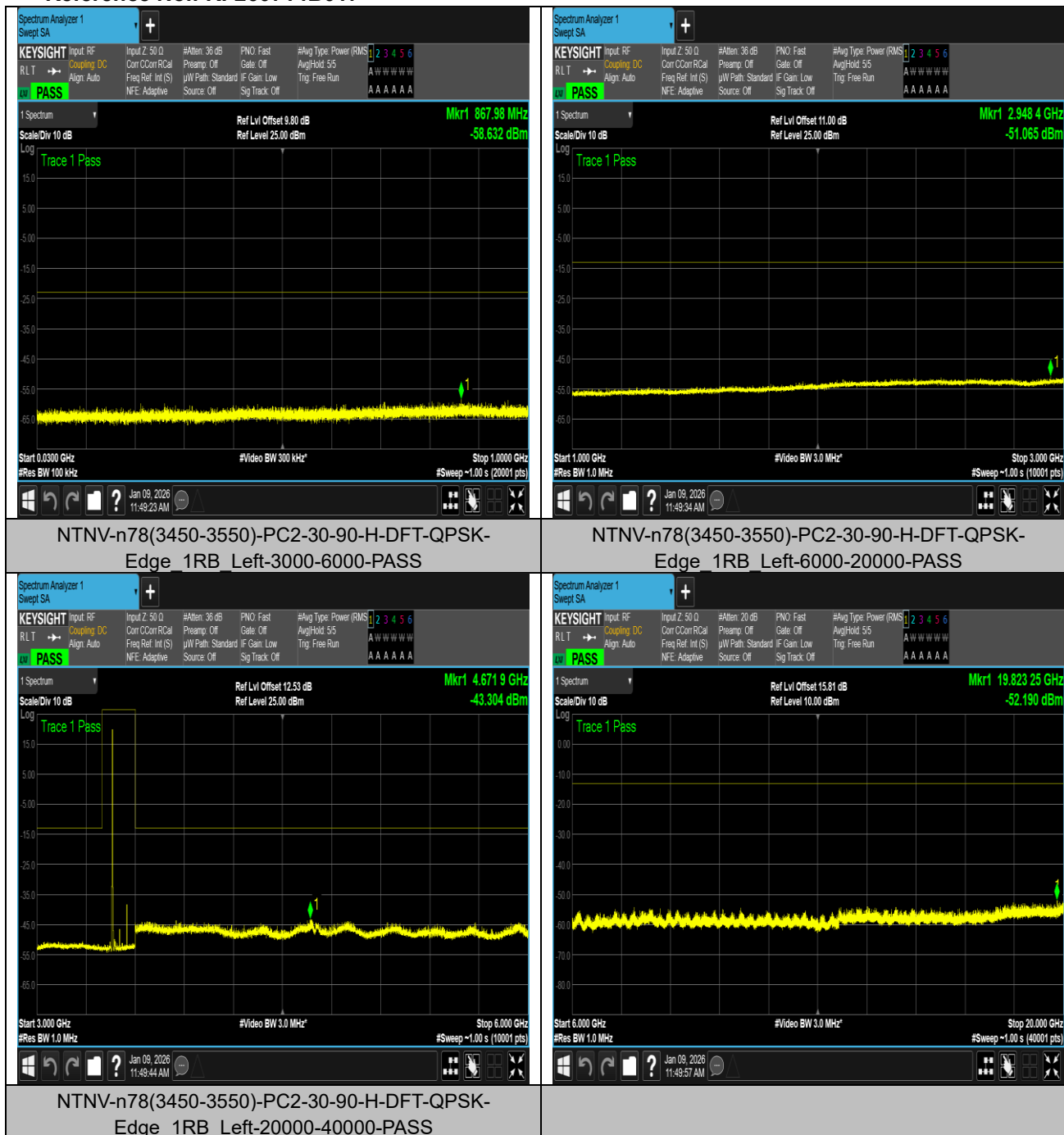
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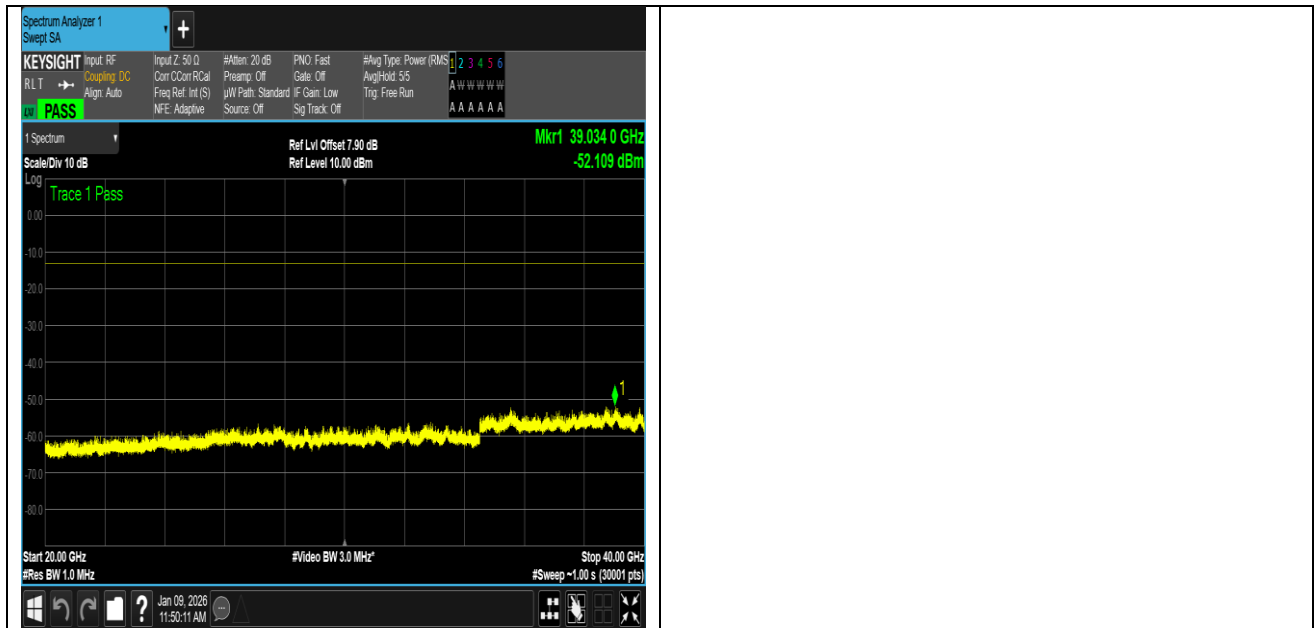
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FREQUENCY STABILITY FOR SA TEST RESULT-ANT0

Frequency Error VS. Voltage

Voltage										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage (V)	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	VL	NT	-8.86	-0.00255	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	VN	NT	-8.285	-0.002384	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	VH	NT	-10.177	-0.002929	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	VL	NT	-3.491	-0.00099	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	VN	NT	0.157	0.0000452	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	VH	NT	-9.707	-0.002754	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	-30	-13.86	-0.003989	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	-20	-11.977	-0.003447	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	-10	-12.374	-0.003561	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	0	-8.337	-0.002399	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	10	-10.721	-0.003085	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	20	-1.781	-0.000513	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	30	-8.263	-0.002378	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	40	-4.254	-0.001224	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	50	-7.355	-0.002117	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	-30	-6.85	-0.001943	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	-20	-6.6	-0.001872	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	-10	-16.285	-0.00462	PASS

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n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	0	-9.491	- 0.002692	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	10	1.402	0.000398	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	20	-7.494	- 0.002126	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	30	-13.762	- 0.003904	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	40	-2.137	- 0.000606	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	50	2.488	0.000706	PASS

TEST RESULT-ANT1

Frequency Error VS. Voltage

Voltage										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage (V)	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	VL	NT	-9.481	- 0.002728	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	VN	NT	-9.113	- 0.002622	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	VH	NT	-6.927	- 0.001993	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	VL	NT	-6.696	-0.0019	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	VN	NT	-5.672	- 0.001609	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	VH	NT	-4.098	- 0.001163	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	-30	-6.877	- 0.001979	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	-20	-11.508	- 0.003312	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	-10	-8.777	- 0.002526	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	0	-8.517	- 0.002451	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	10	-7.476	- 0.002151	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	20	-15.056	- 0.004333	PASS

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n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	30	-6.797	- 0.001956	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	40	-9.91	- 0.002852	PASS
n78(3450-3550)	30	50	DFT-QPSK	L	Outer_Full	NV	50	-10.233	- 0.002945	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	-30	-11.303	- 0.003207	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	-20	-3.451	- 0.000979	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	-10	-6.86	- 0.001946	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	0	-6.546	- 0.001857	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	10	-8.959	- 0.002542	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	20	-12.497	- 0.003545	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	30	-7.714	- 0.002188	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	40	-8.684	- 0.002464	PASS
n78(3450-3550)	30	50	DFT-QPSK	H	Outer_Full	NV	50	-3.381	- 0.000959	PASS