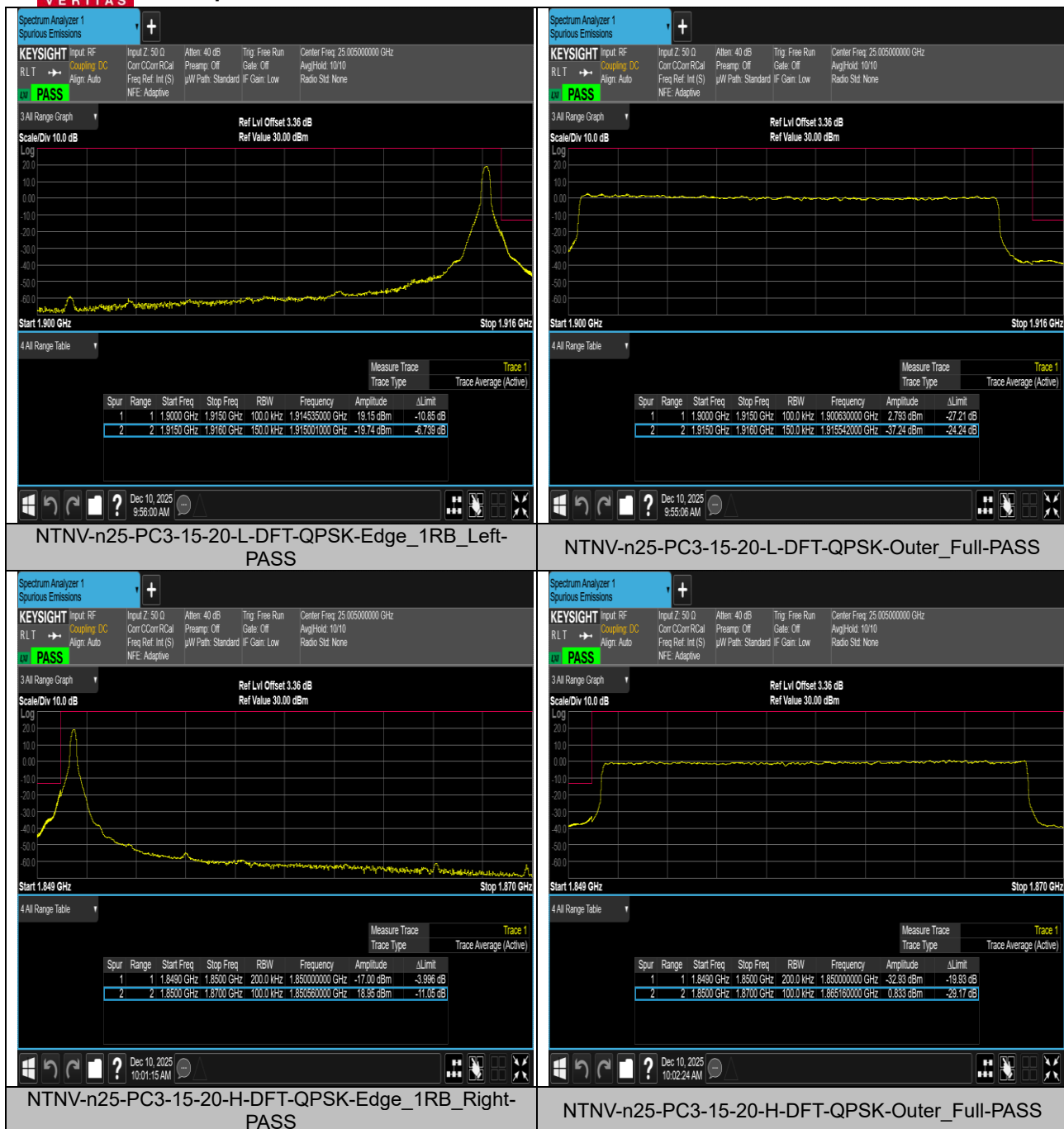
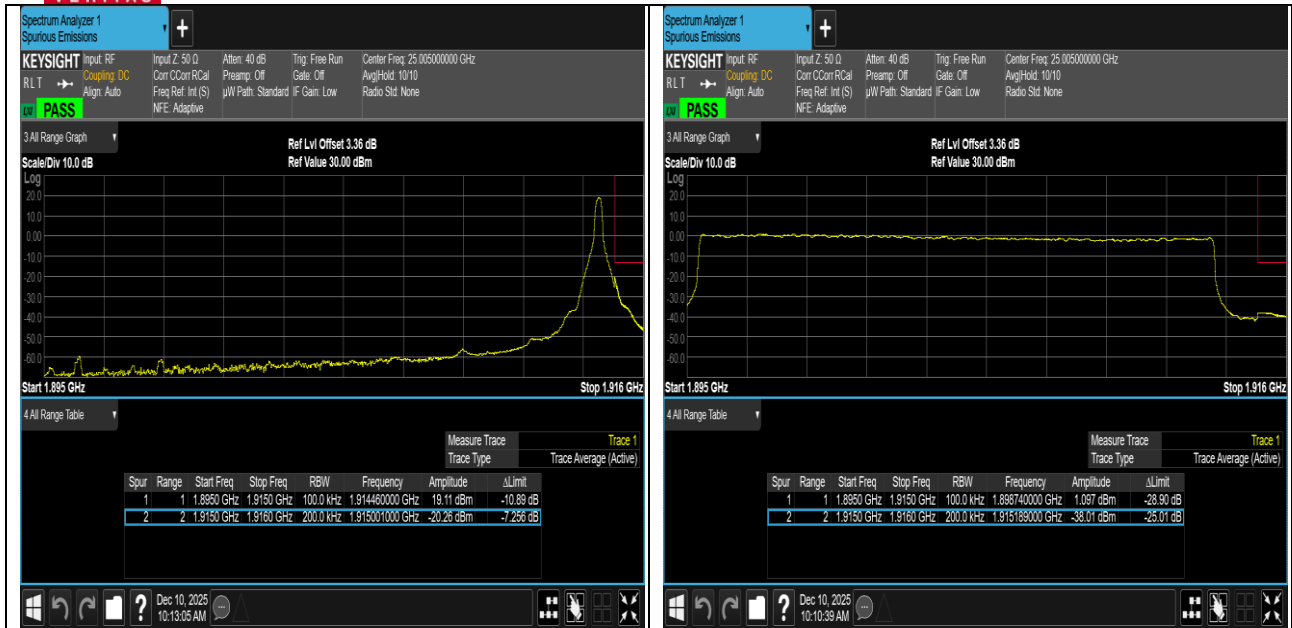




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VERITAS

Test Report No.: PSU-QBJ2512030110RF02







BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF02

Conducted Spurious Emission for SA

Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit	Verdict
n25	15	5	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-84.10	≤-43dBm	PASS
n25	15	5	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-65.27	≤-33dBm	PASS
n25	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-65.57	≤-23dBm	PASS
n25	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-25.98	≤-13dBm	PASS
n25	15	5	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-48.08	≤-13dBm	PASS
n25	15	5	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-67.39	≤-13dBm	PASS
n25	15	5	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-73.00	≤-43dBm	PASS
n25	15	5	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-71.44	≤-33dBm	PASS
n25	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-64.89	≤-23dBm	PASS
n25	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-57.96	≤-13dBm	PASS
n25	15	5	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-43.94	≤-13dBm	PASS
n25	15	5	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-67.31	≤-13dBm	PASS
n25	15	5	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-68.25	≤-43dBm	PASS
n25	15	5	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-66.92	≤-33dBm	PASS
n25	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-65.52	≤-23dBm	PASS
n25	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-51.27	≤-13dBm	PASS
n25	15	5	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-35.20	≤-13dBm	PASS
n25	15	5	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-67.36	≤-13dBm	PASS
n25	15	10	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-69.37	≤-43dBm	PASS

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(Suzhou) Co., Ltd.

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District, Suzhou City, Anhui Province, China

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BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF02

n25	15	10	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-65.26	≤-33dBm	PASS
n25	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-65.47	≤-23dBm	PASS
n25	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-33.86	≤-13dBm	PASS
n25	15	10	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-41.08	≤-13dBm	PASS
n25	15	10	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-67.04	≤-13dBm	PASS
n25	15	10	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-69.13	≤-43dBm	PASS
n25	15	10	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-67.37	≤-33dBm	PASS
n25	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-65.02	≤-23dBm	PASS
n25	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-57.91	≤-13dBm	PASS
n25	15	10	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-38.73	≤-13dBm	PASS
n25	15	10	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-67.29	≤-13dBm	PASS
n25	15	10	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-69.87	≤-43dBm	PASS
n25	15	10	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-63.97	≤-33dBm	PASS
n25	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-64.34	≤-23dBm	PASS
n25	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-30.24	≤-13dBm	PASS
n25	15	10	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-35.88	≤-13dBm	PASS
n25	15	10	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-66.80	≤-13dBm	PASS
n25	15	15	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-69.20	≤-43dBm	PASS
n25	15	15	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-65.05	≤-33dBm	PASS
n25	15	15	DFT-QPSK	L	Edge_1RB_Left	30	1000	-64.97	≤-23dBm	PASS
n25	15	15	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-37.18	≤-13dBm	PASS
n25	15	15	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-41.28	≤-13dBm	PASS

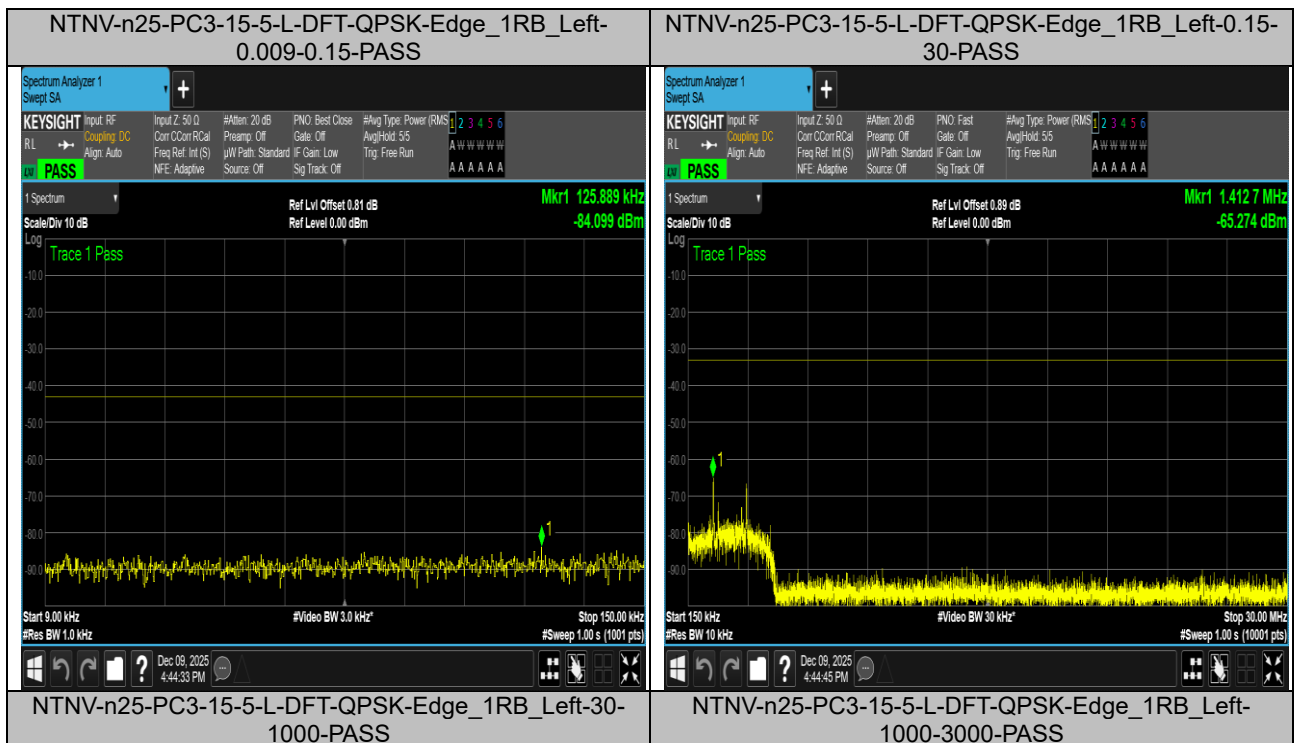


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n25	15	15	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-67.37	≤-13dB m	PASS
n25	15	15	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-68.87	≤-43dB m	PASS
n25	15	15	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-65.57	≤-33dB m	PASS
n25	15	15	DFT-QPSK	M	Edge_1RB_Left	30	1000	-65.11	≤-23dB m	PASS
n25	15	15	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-58.14	≤-13dB m	PASS
n25	15	15	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-38.16	≤-13dB m	PASS
n25	15	15	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-67.19	≤-13dB m	PASS
n25	15	15	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-69.18	≤-43dB m	PASS
n25	15	15	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-64.83	≤-33dB m	PASS
n25	15	15	DFT-QPSK	H	Edge_1RB_Left	30	1000	-64.83	≤-23dB m	PASS
n25	15	15	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-36.37	≤-13dB m	PASS
n25	15	15	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-41.29	≤-13dB m	PASS
n25	15	15	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-66.69	≤-13dB m	PASS
n25	15	20	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-69.23	≤-43dB m	PASS
n25	15	20	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-66.47	≤-33dB m	PASS
n25	15	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-65.15	≤-23dB m	PASS
n25	15	20	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-38.99	≤-13dB m	PASS
n25	15	20	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-41.24	≤-13dB m	PASS
n25	15	20	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-66.55	≤-13dB m	PASS
n25	15	20	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-59.18	≤-43dB m	PASS
n25	15	20	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-56.90	≤-33dB m	PASS
n25	15	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-58.57	≤-	PASS



									23dB m	
n25	15	20	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-52.24	≤- 13dB m	PASS
n25	15	20	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-33.03	≤- 13dB m	PASS
n25	15	20	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-61.21	≤- 13dB m	PASS
n25	15	20	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-69.06	≤- 43dB m	PASS
n25	15	20	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-67.51	≤- 33dB m	PASS
n25	15	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-65.20	≤- 23dB m	PASS
n25	15	20	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-57.92	≤- 13dB m	PASS
n25	15	20	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-36.69	≤- 13dB m	PASS
n25	15	20	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-67.36	≤- 13dB m	PASS

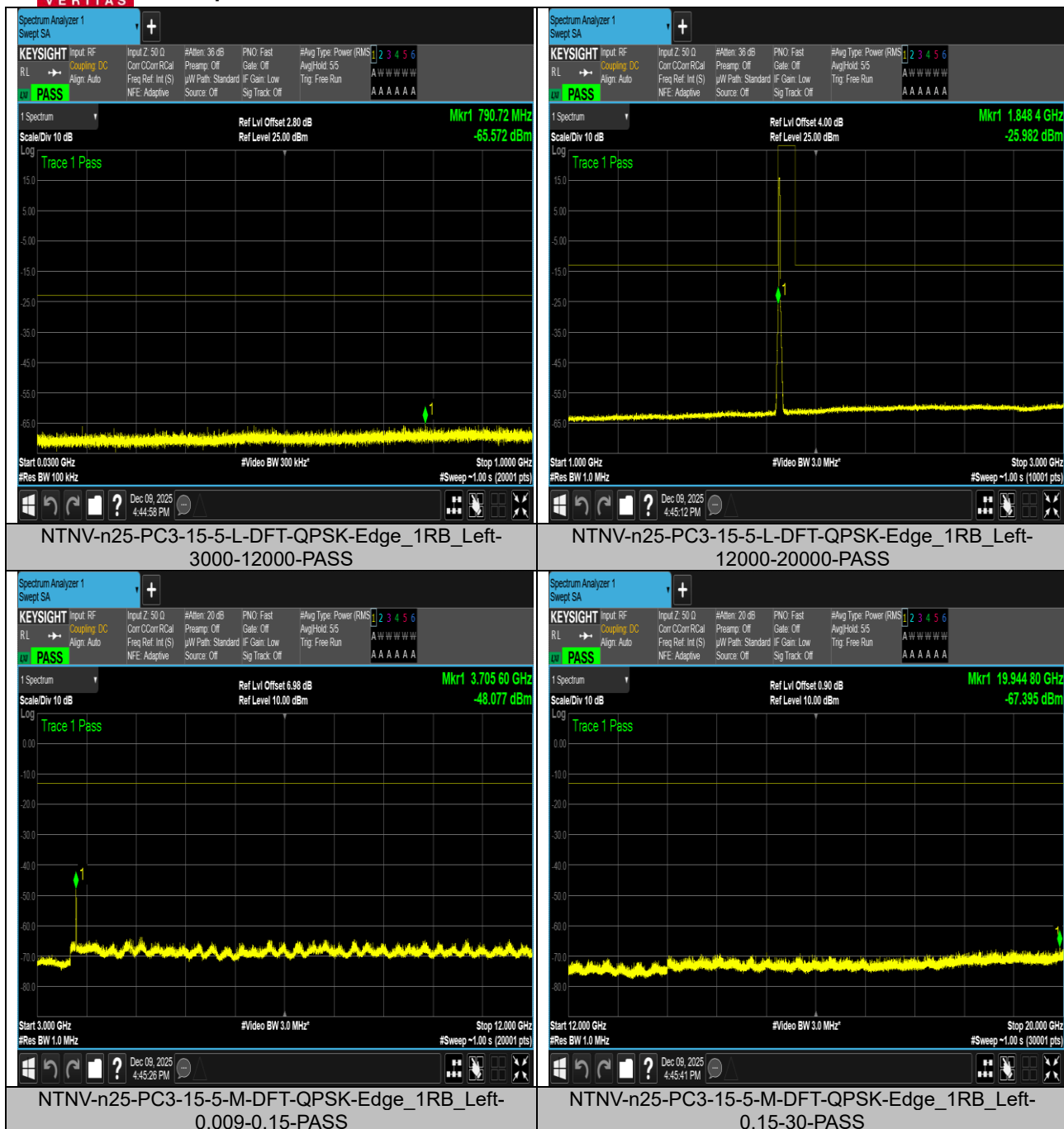
Test Graphs





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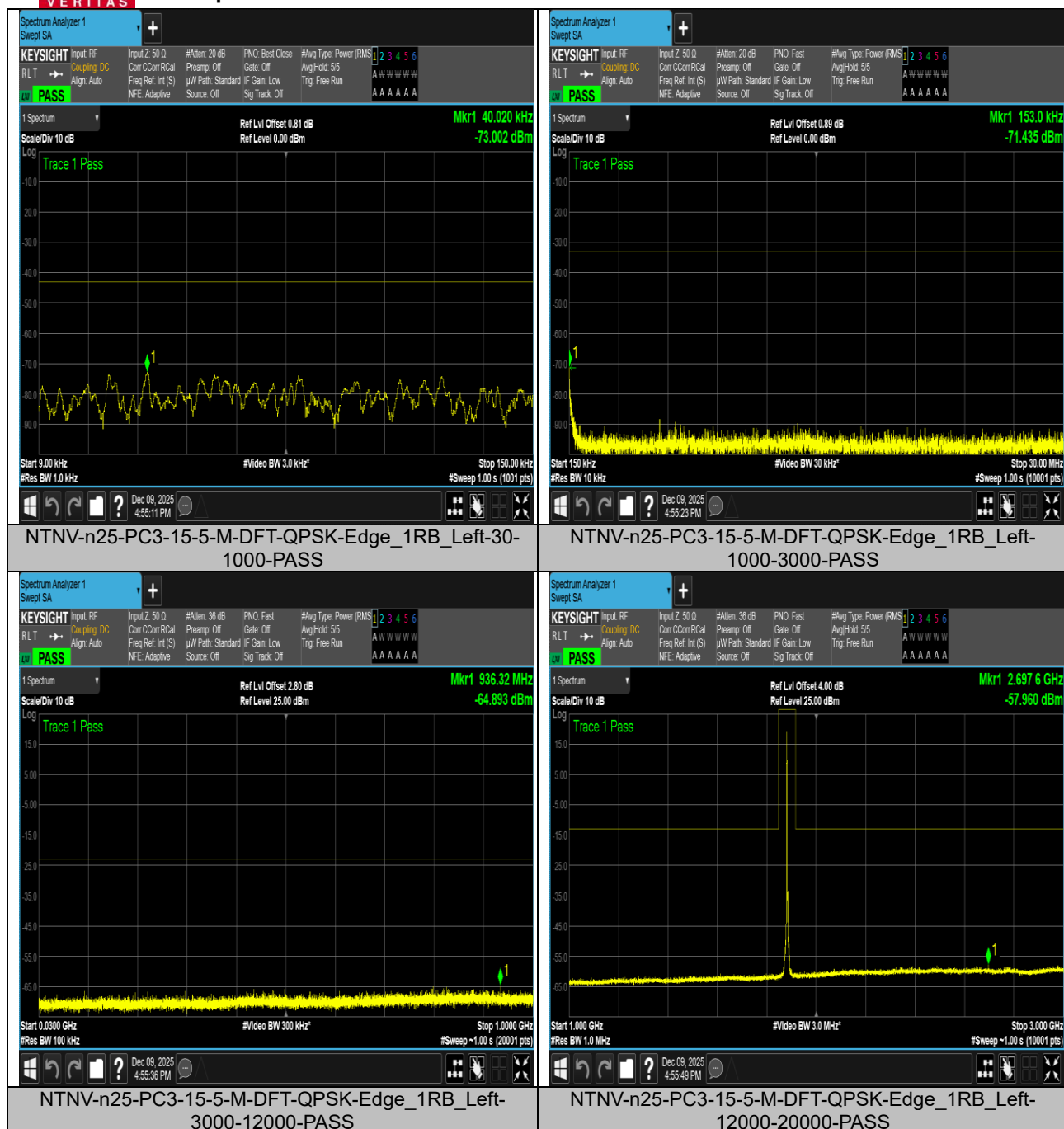
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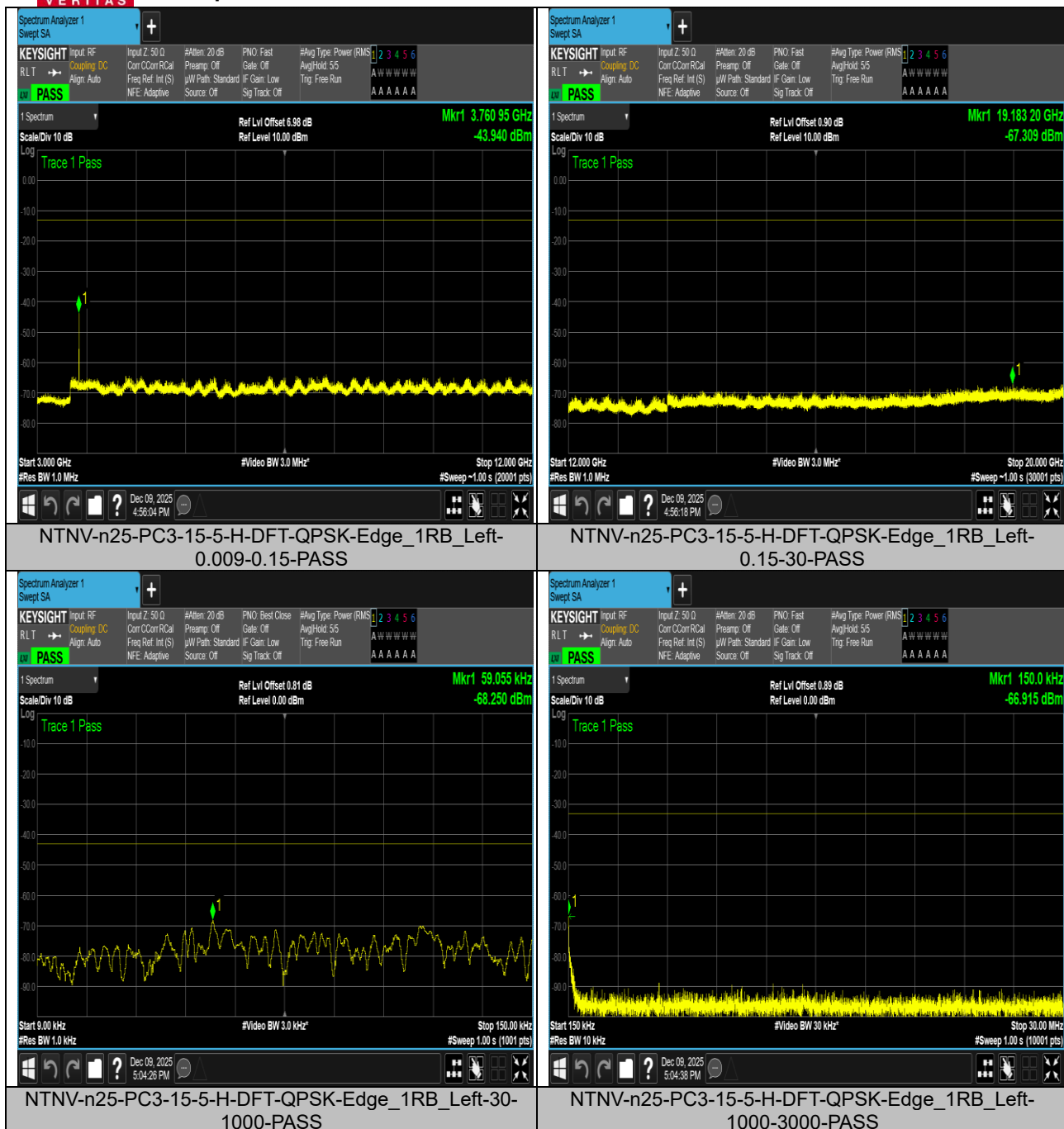
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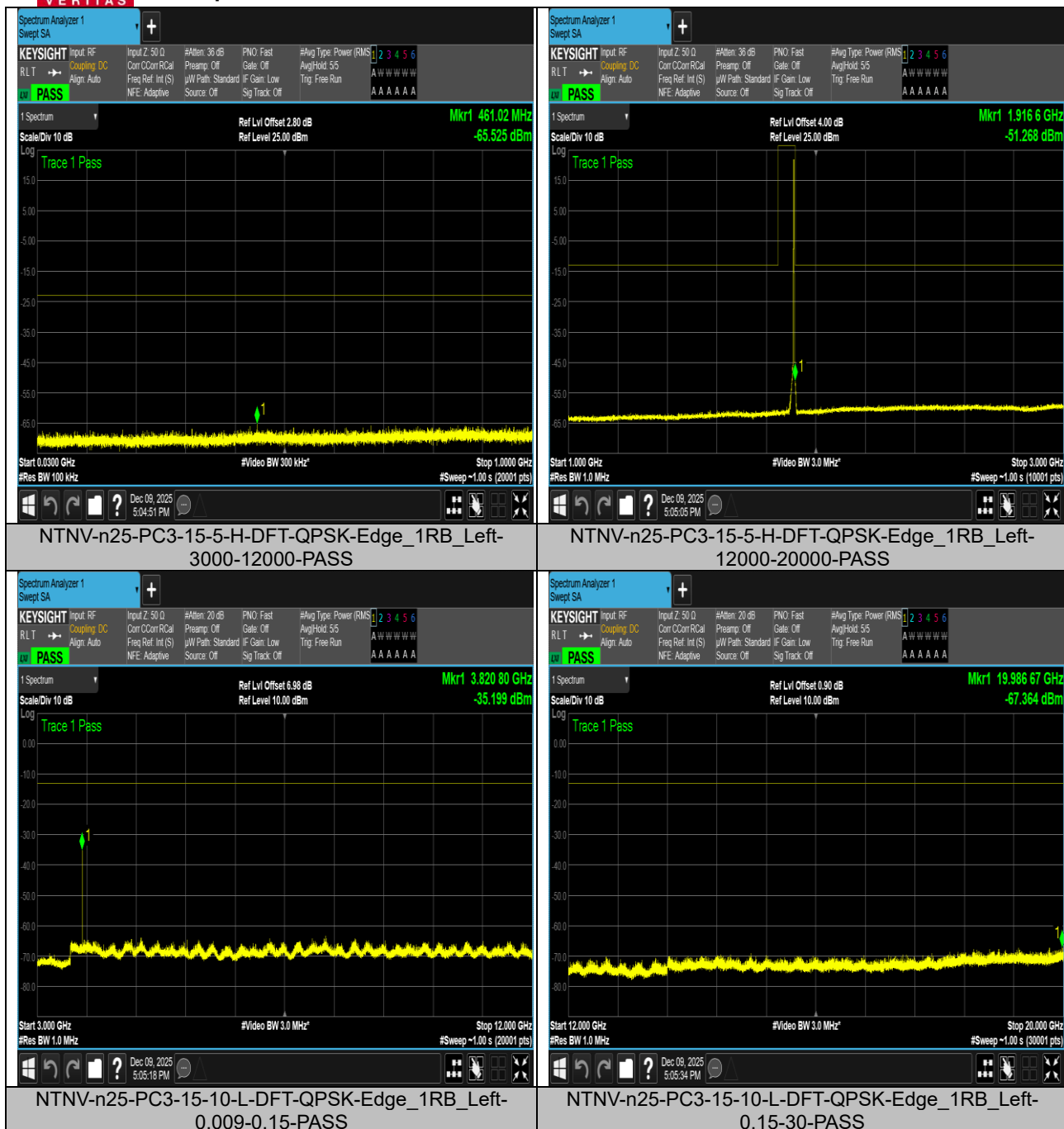
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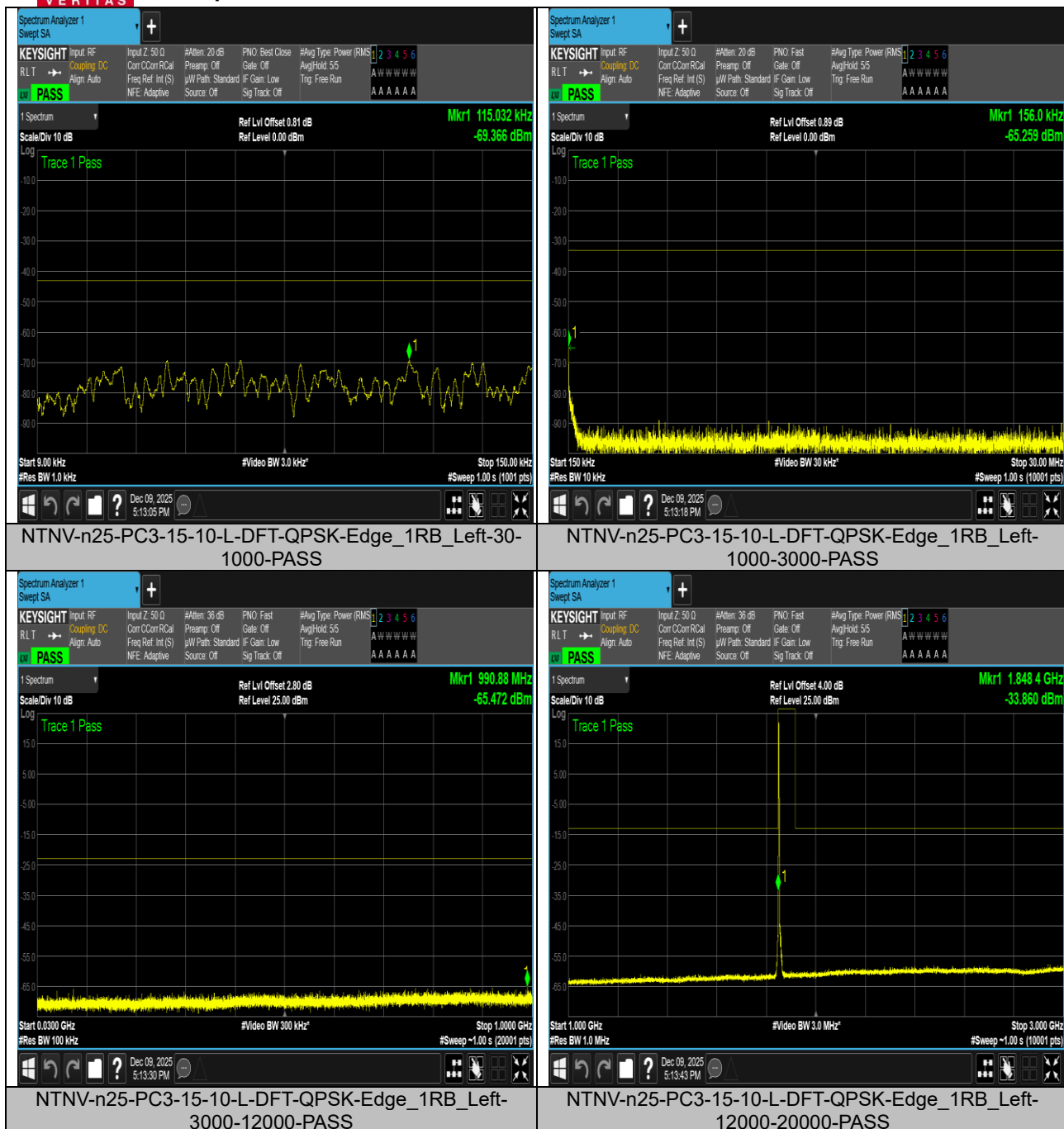
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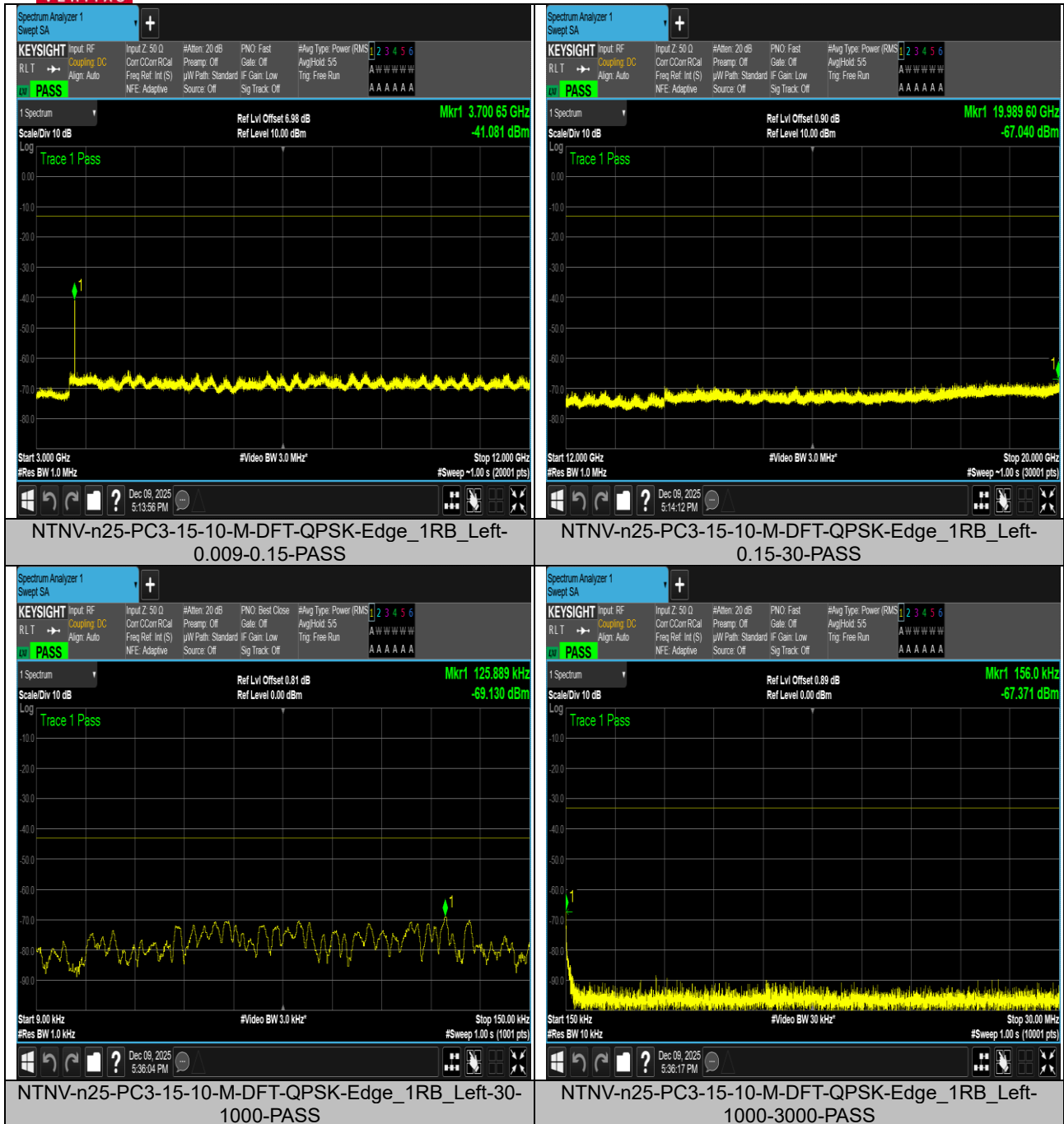
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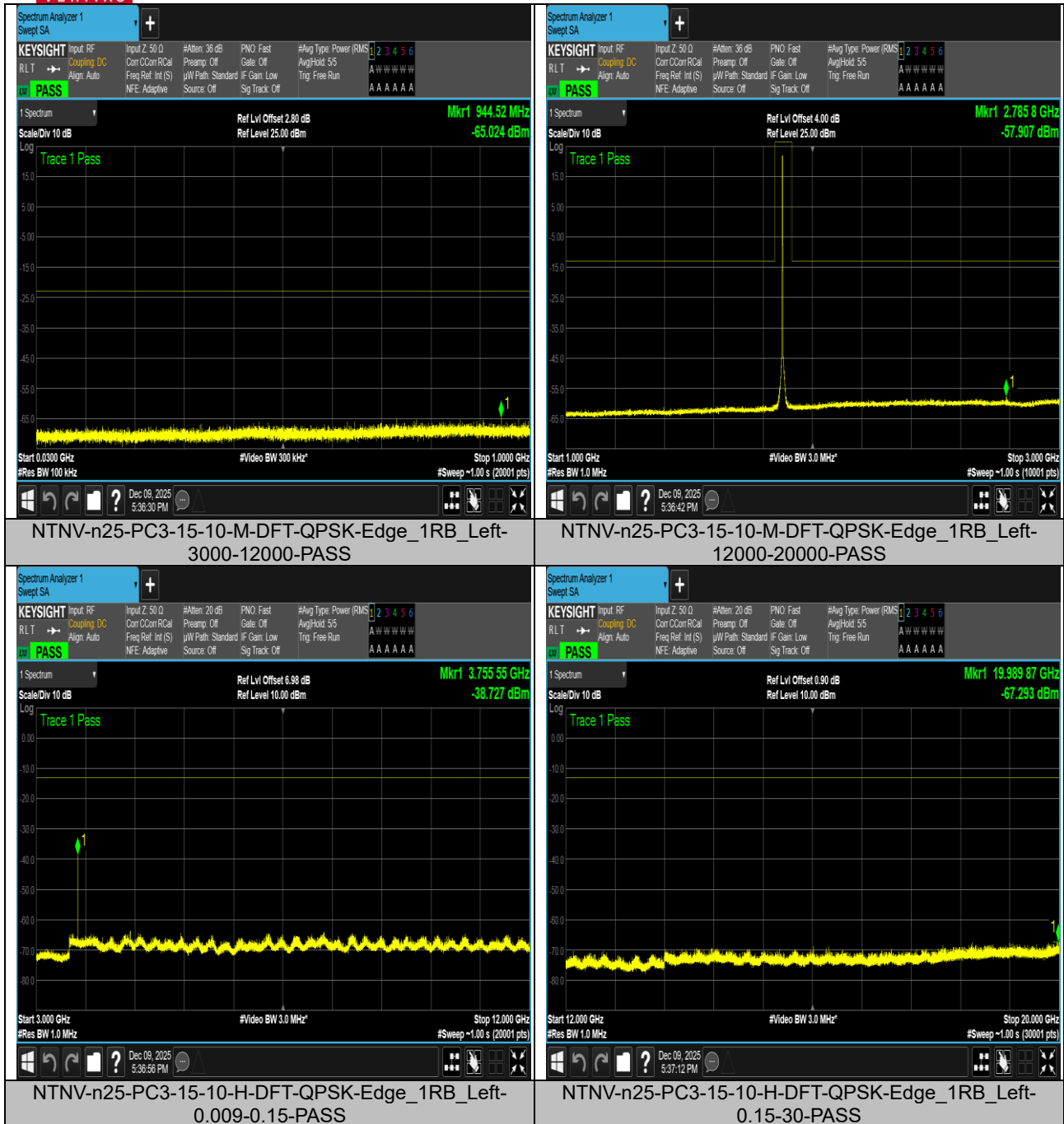
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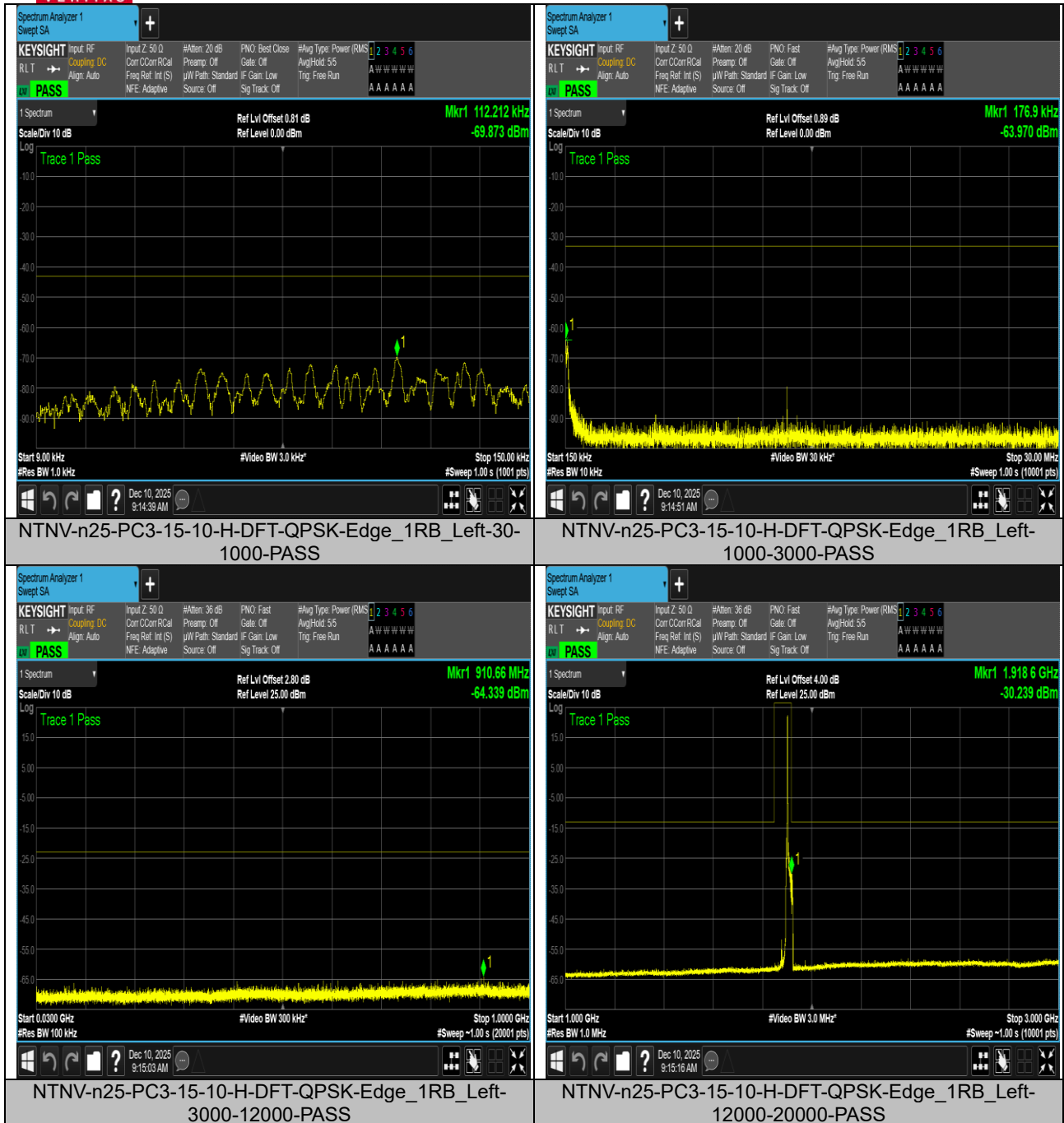
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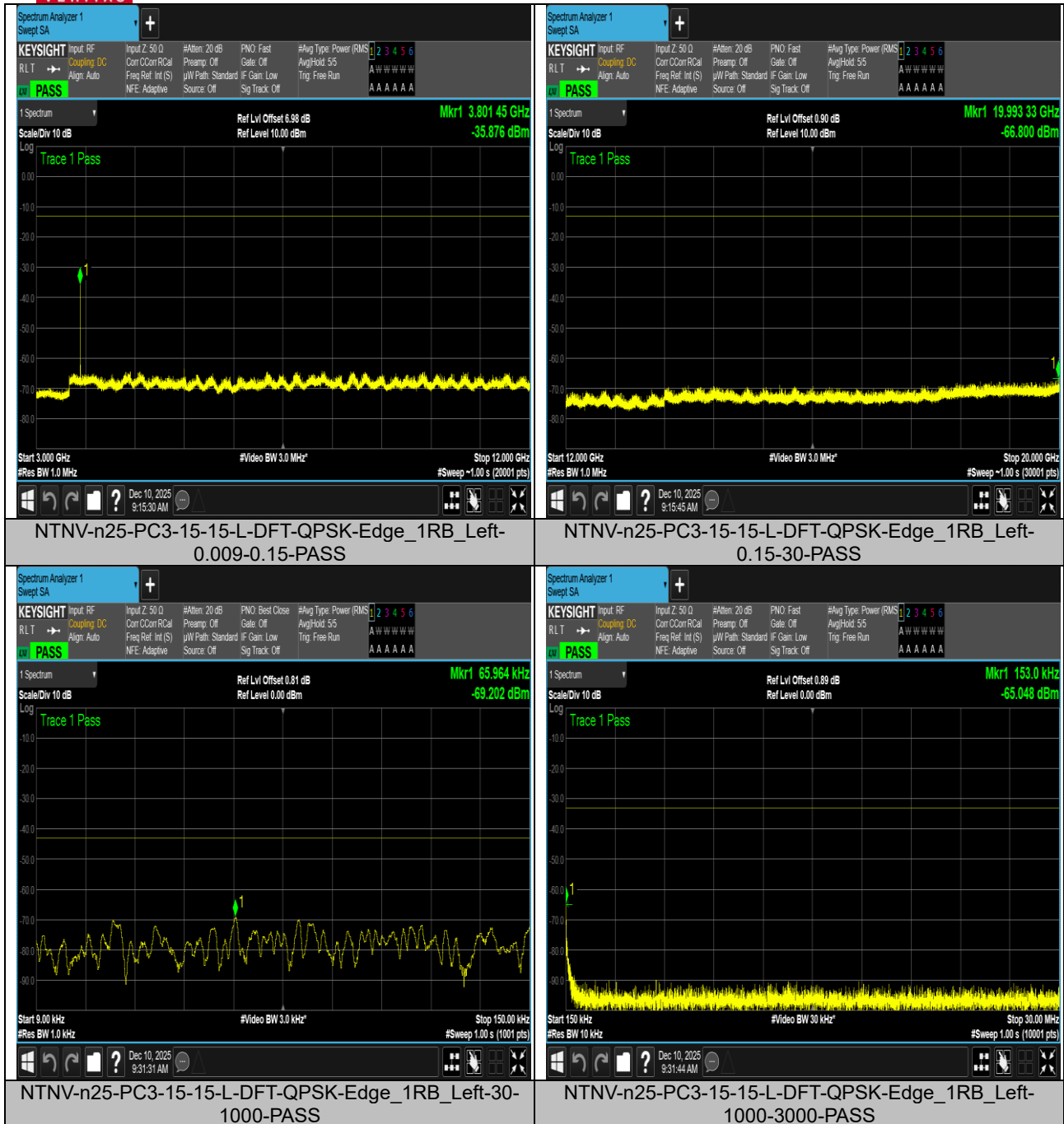
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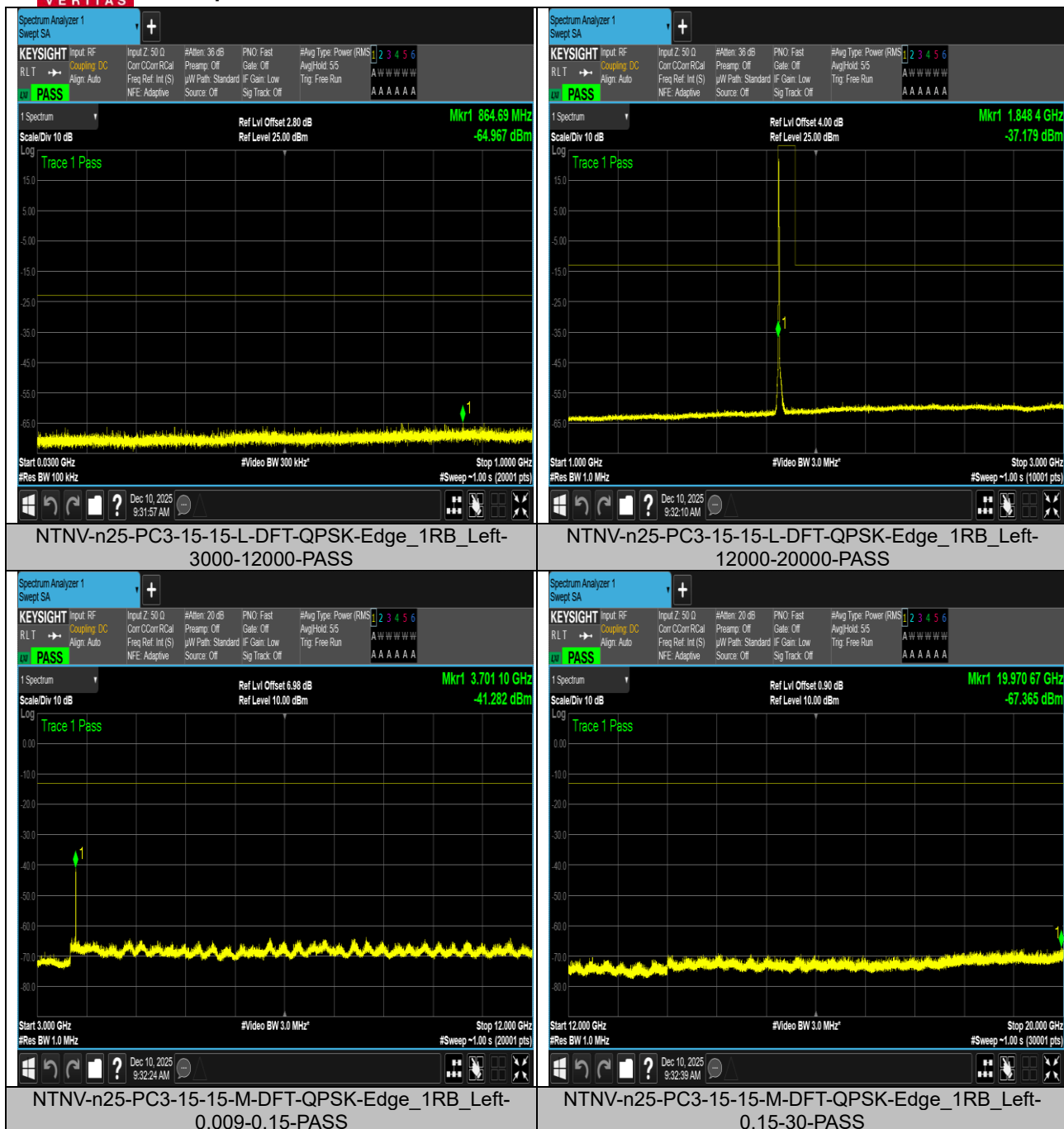
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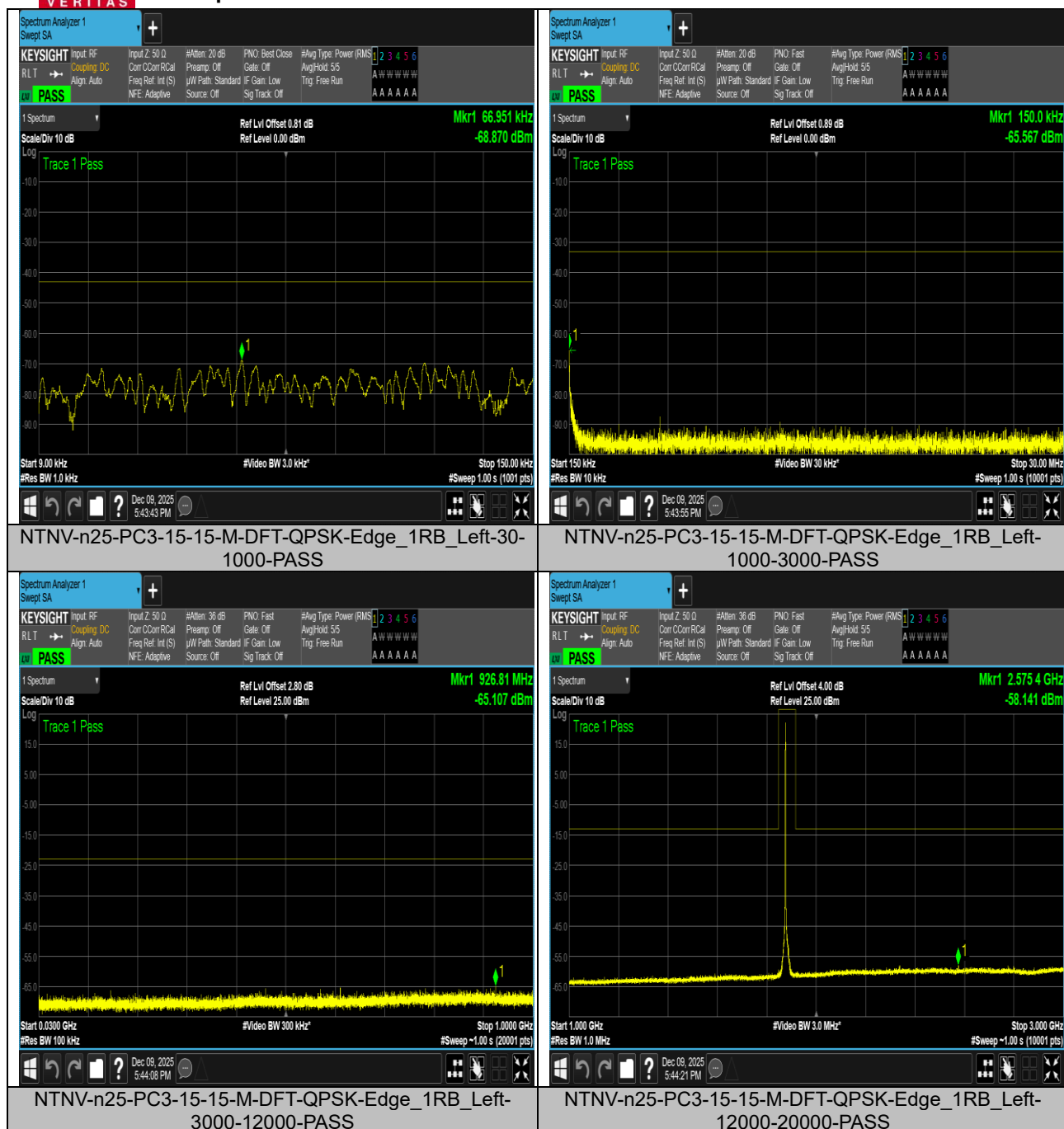
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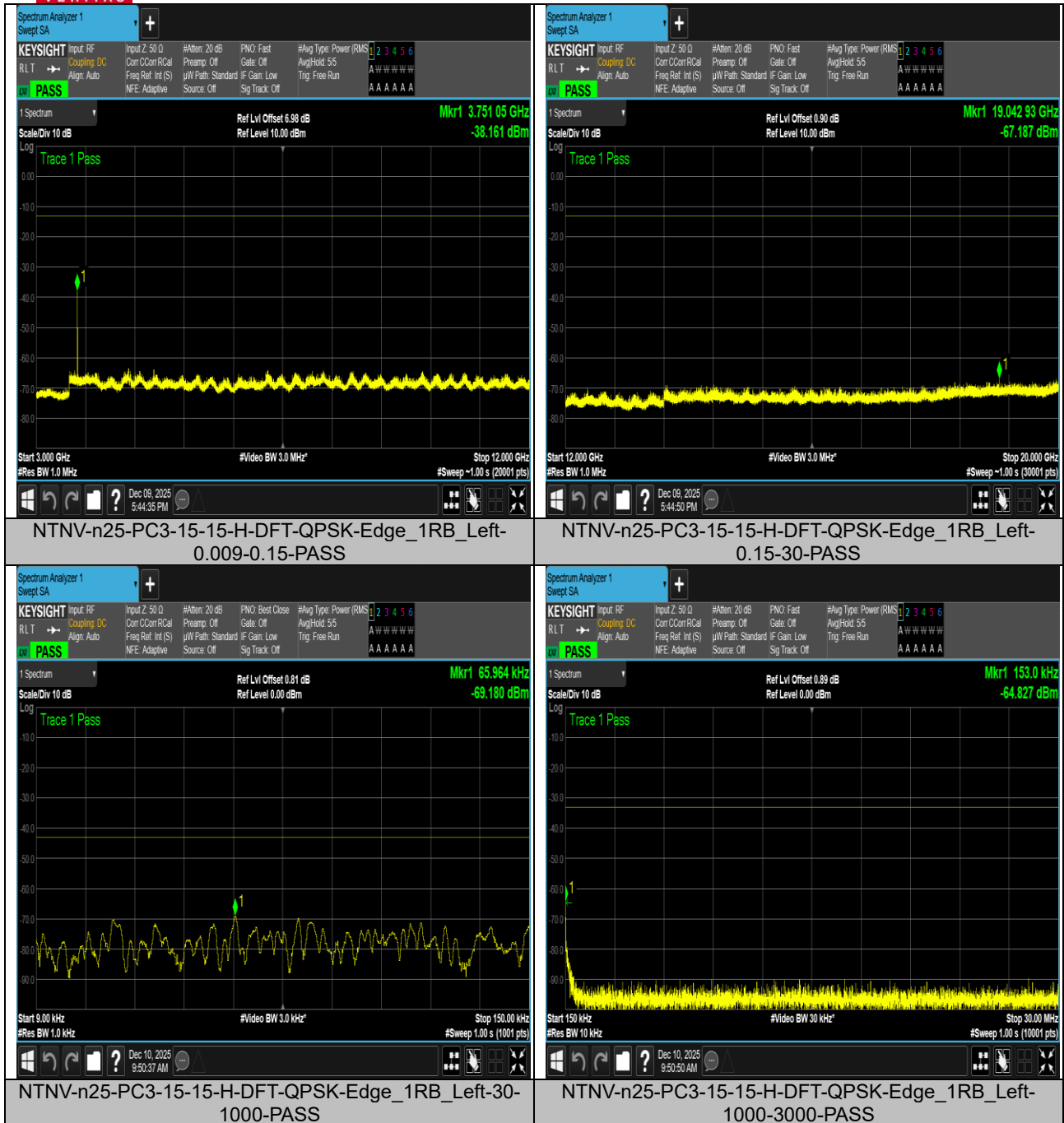
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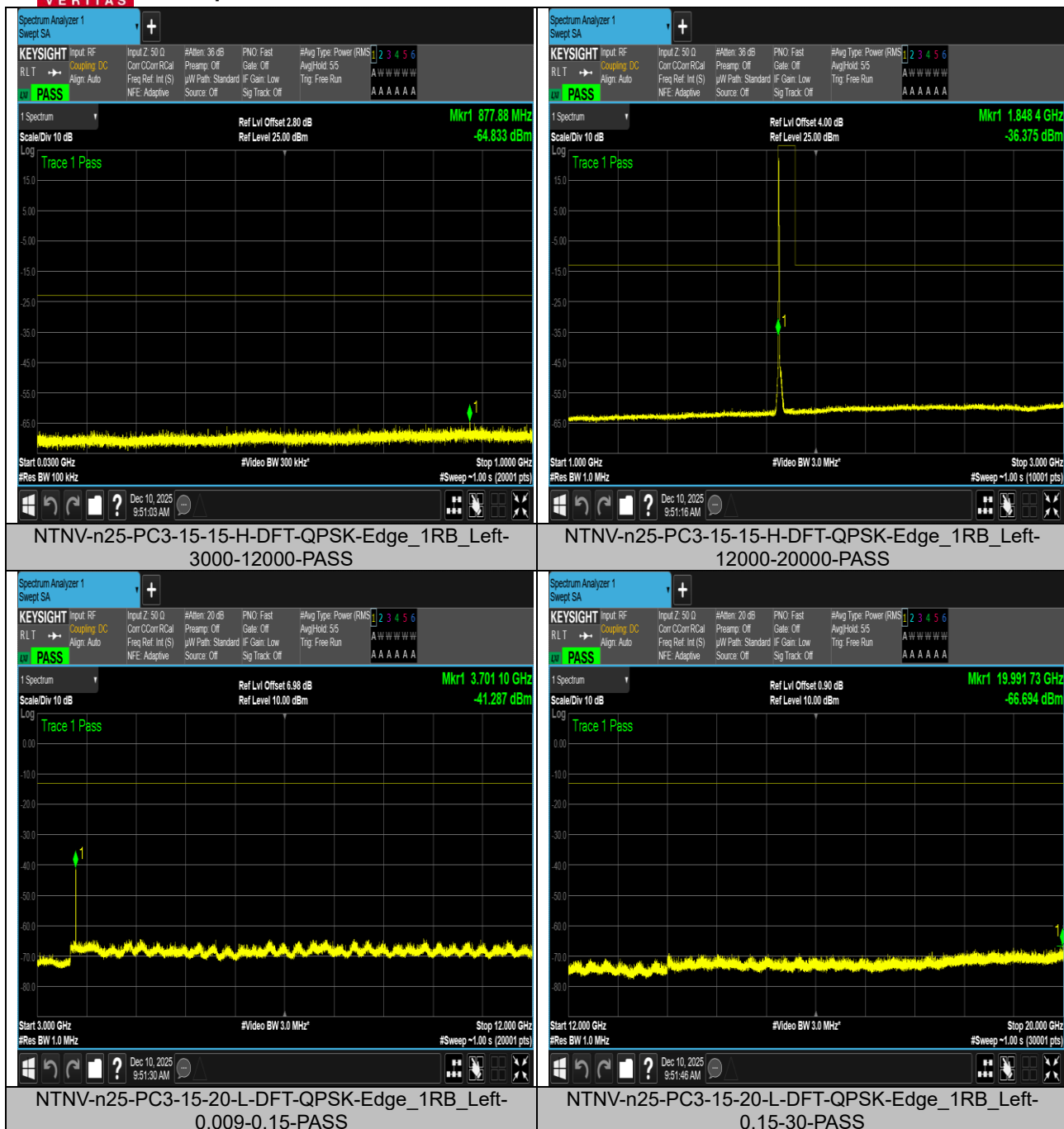
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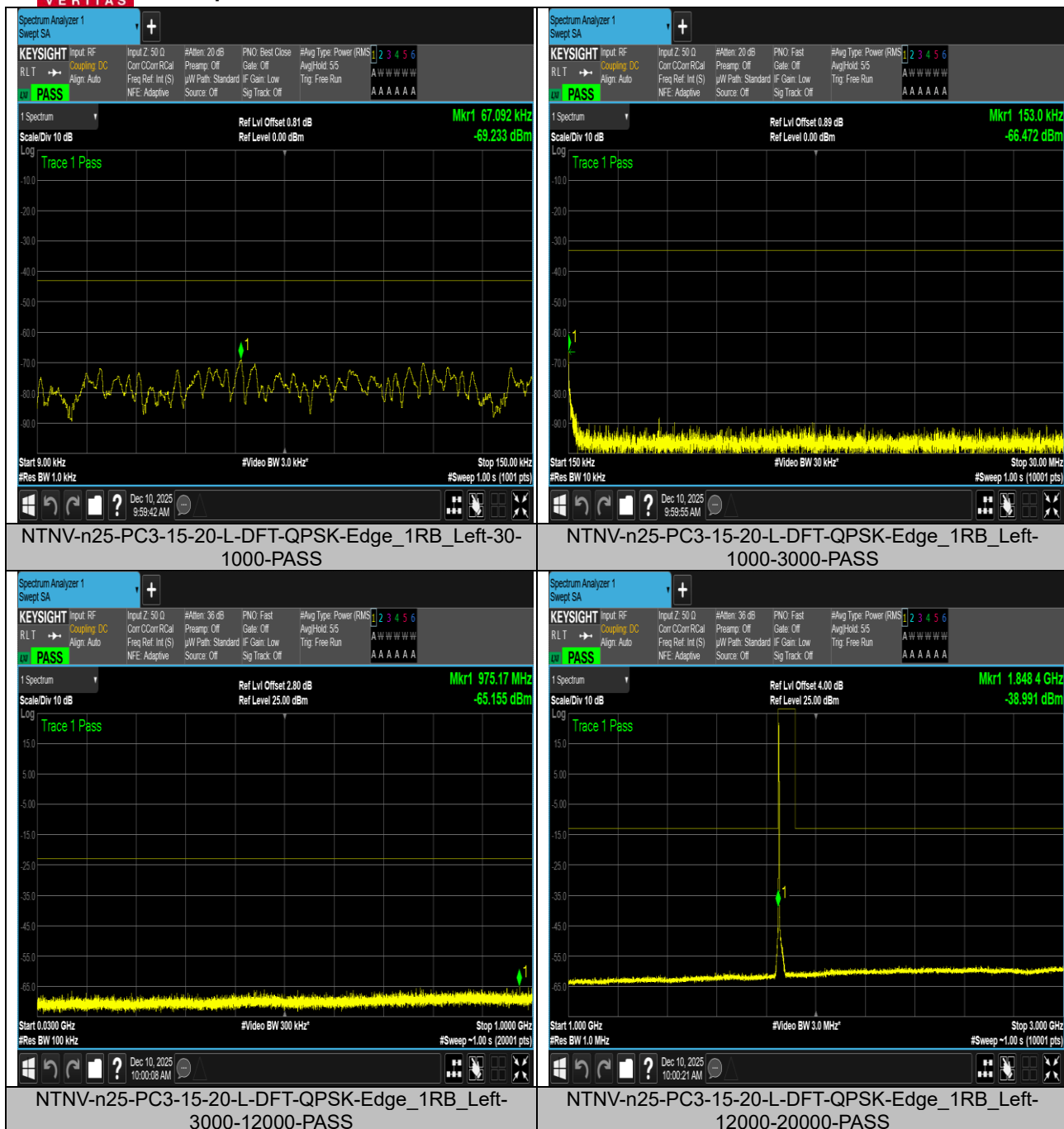
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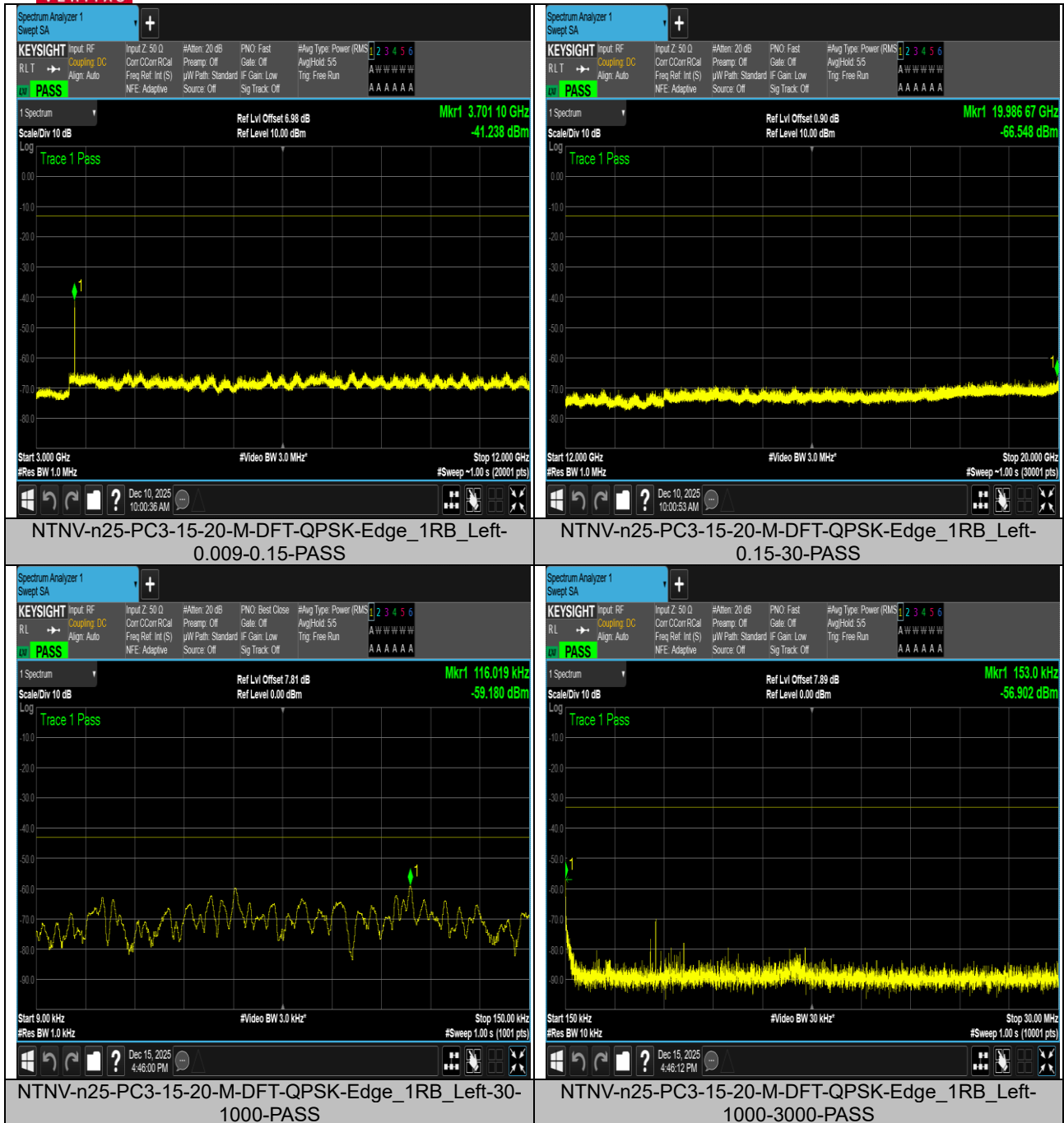
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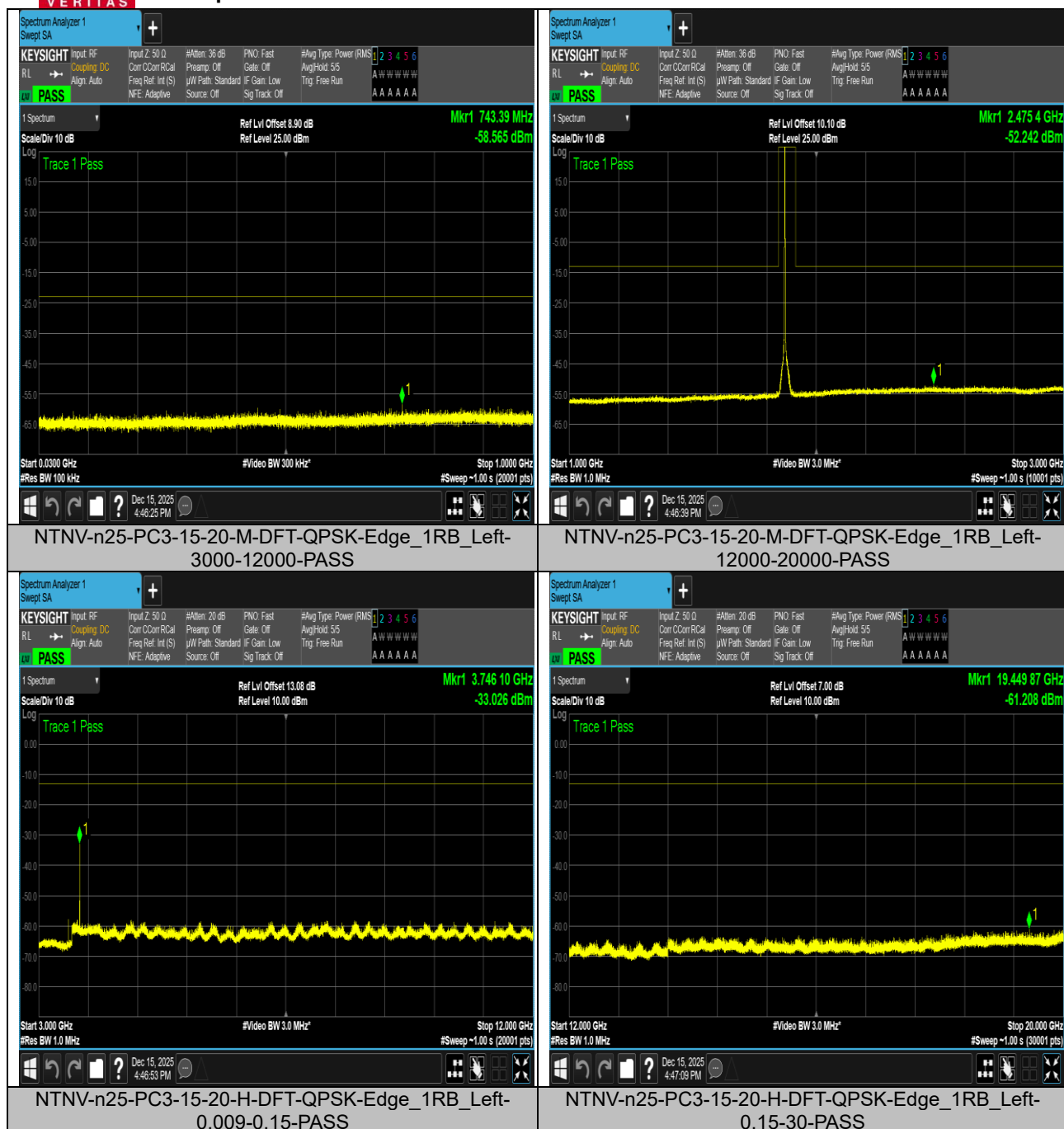
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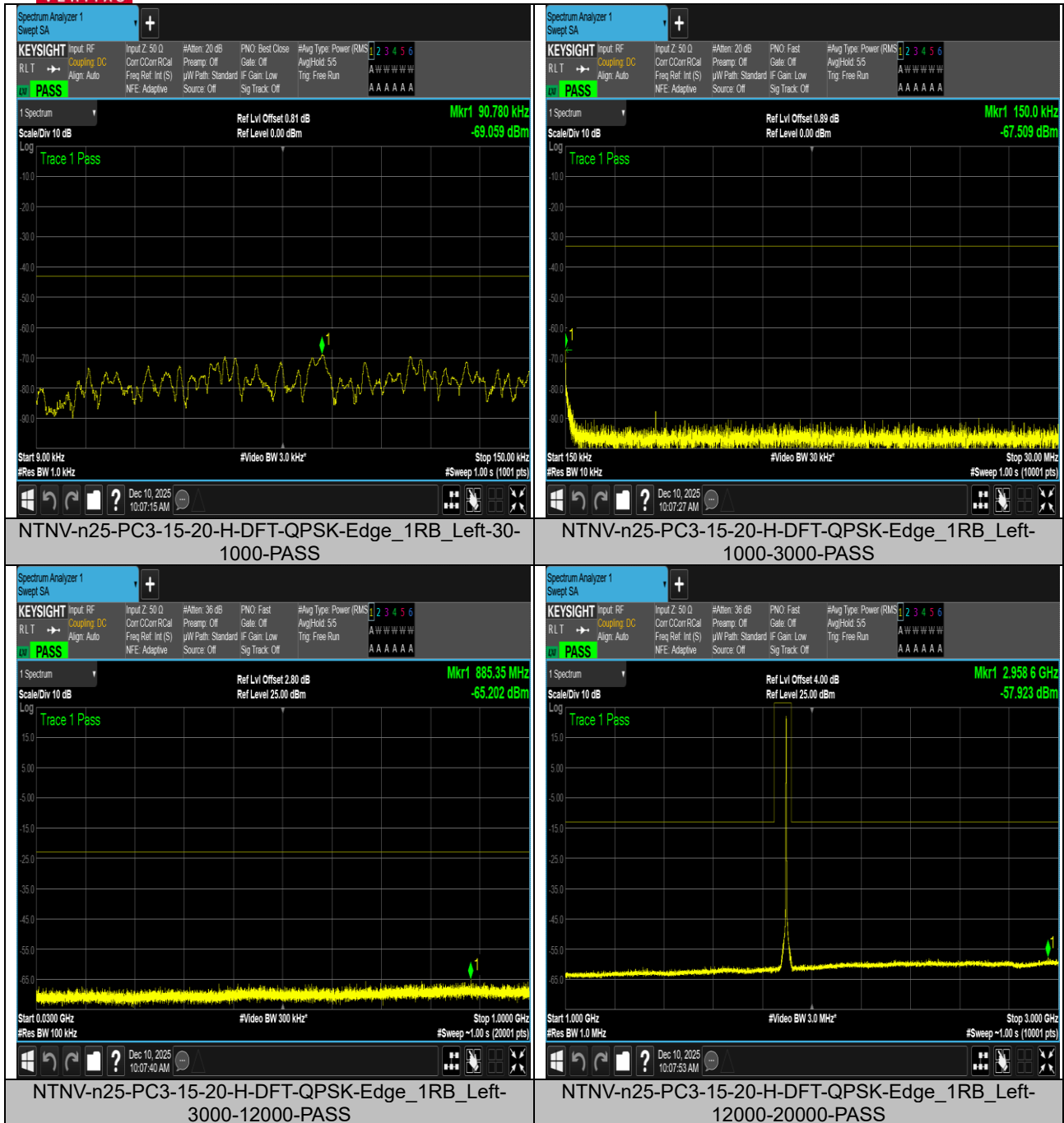
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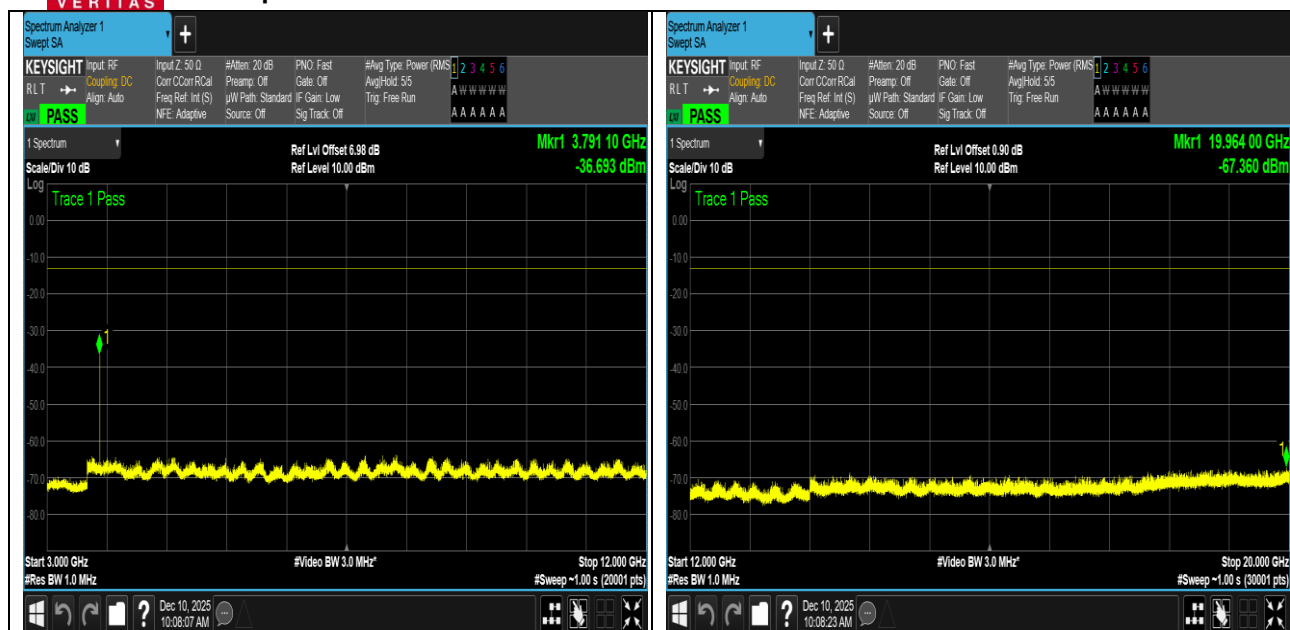
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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage (V)	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
n25	15	5	DFT-QPSK	L	Outer_Full	VL	NT	1.208	0.000652	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	VN	NT	4.019	0.002170	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	VH	NT	17.036	0.009196	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	VL	NT	5.144	0.002690	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	VN	NT	1.024	0.000535	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	VH	NT	8.886	0.004646	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
n25	15	5	DFT-QPSK	L	Outer_Full	NV	-30	11.181	0.006036	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	-20	4.999	0.002699	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	-10	4.552	0.002457	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	0	6.117	0.003302	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	10	12.745	0.006880	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	20	15.720	0.008486	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	30	6.518	0.003519	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	40	18.261	0.009858	PASS
n25	15	5	DFT-QPSK	L	Outer_Full	NV	50	3.789	0.002045	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	-30	11.519	0.006023	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	-20	5.000	0.002614	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	-10	5.676	0.002968	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	0	7.020	0.003671	PASS



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n25	15	5	DFT-QPSK	H	Outer_Full	NV	10	13.259	0.006933	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	20	16.272	0.008508	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	30	7.014	0.003668	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	40	18.794	0.009827	PASS
n25	15	5	DFT-QPSK	H	Outer_Full	NV	50	4.502	0.002354	PASS

--END--