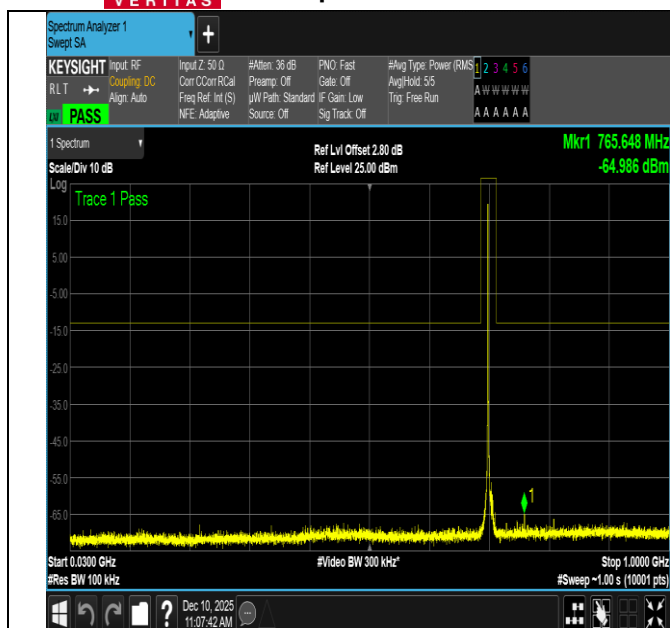
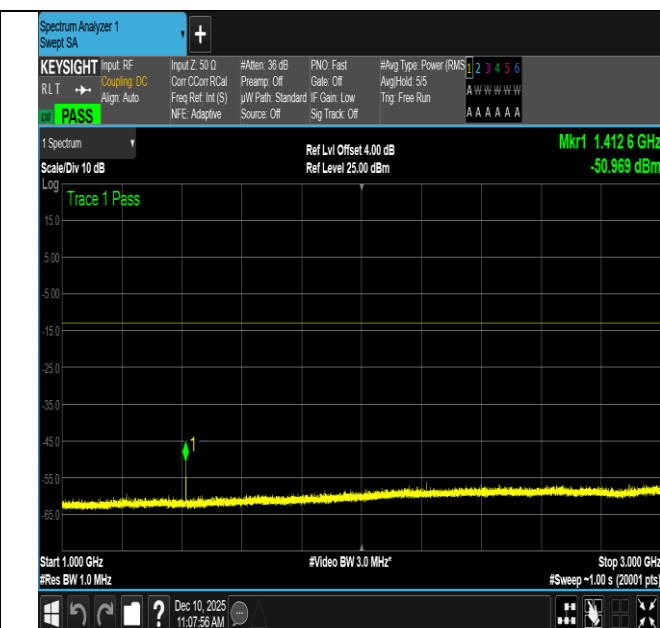
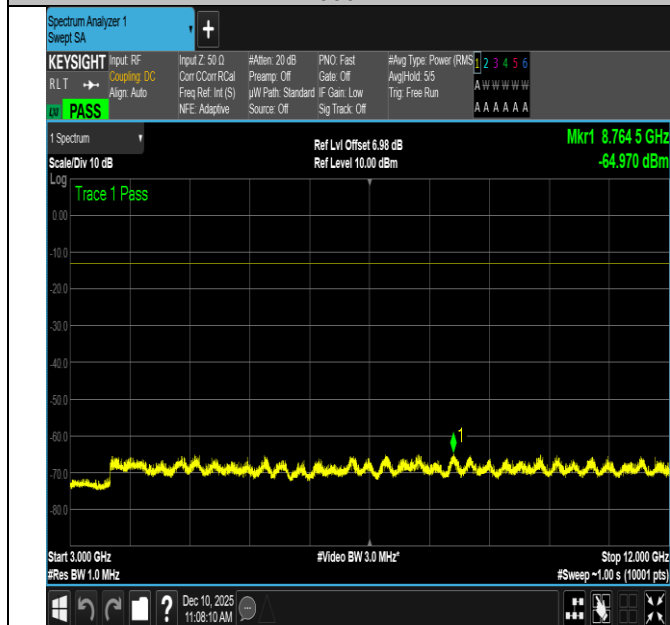




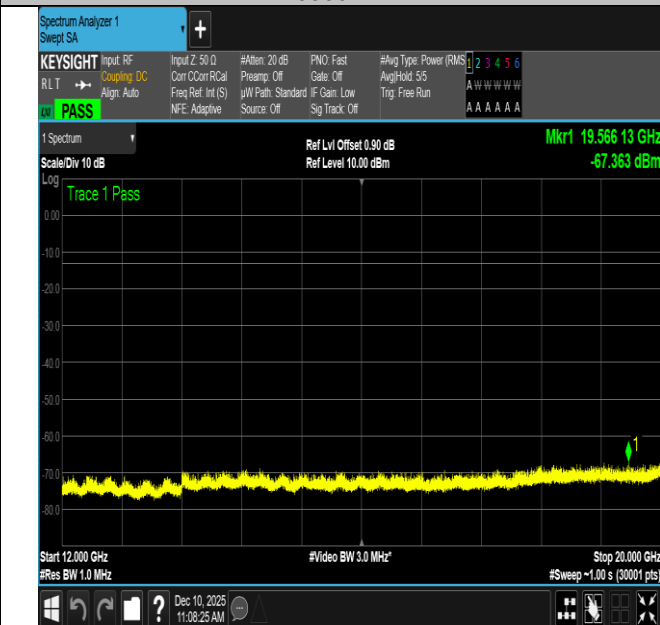
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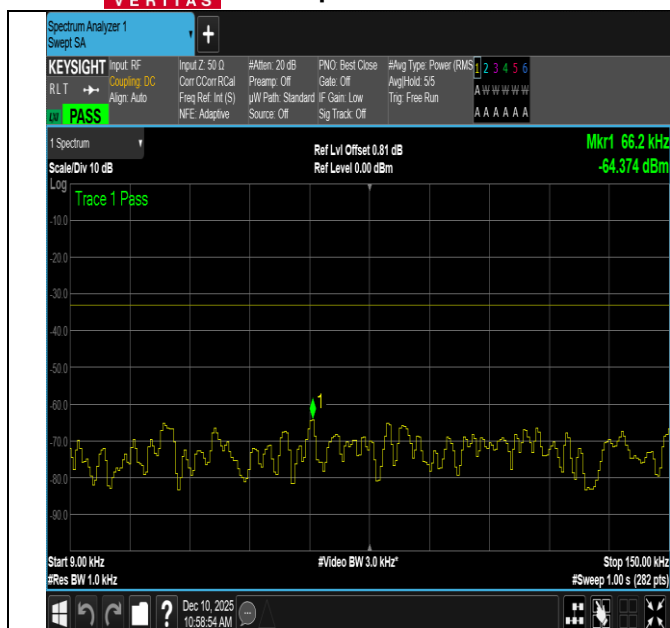
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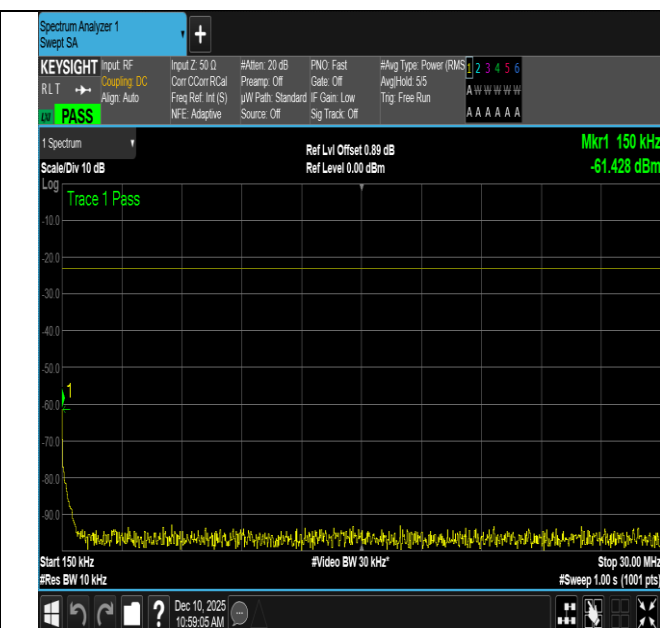
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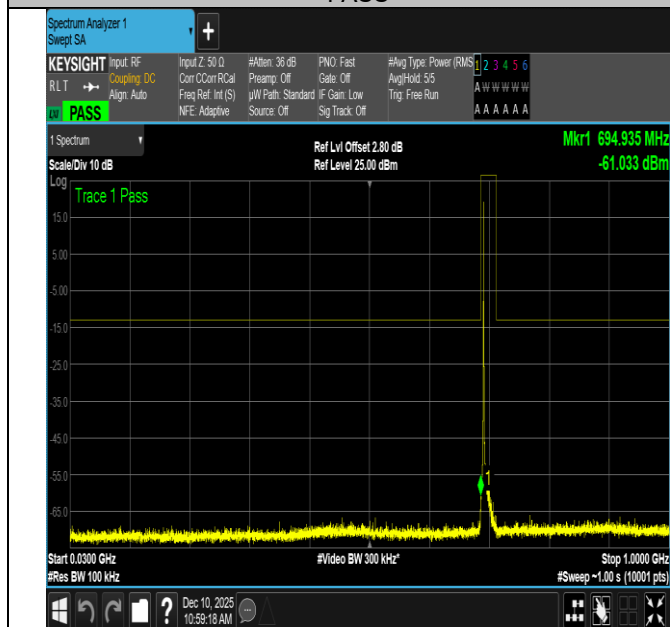
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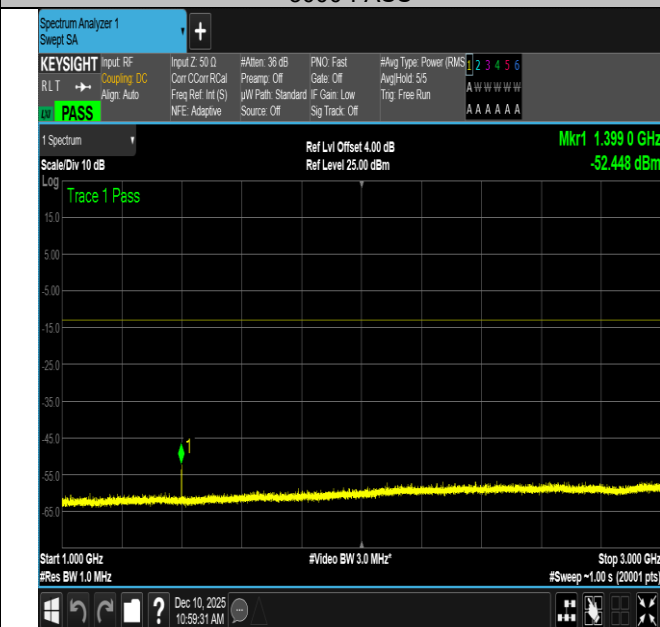
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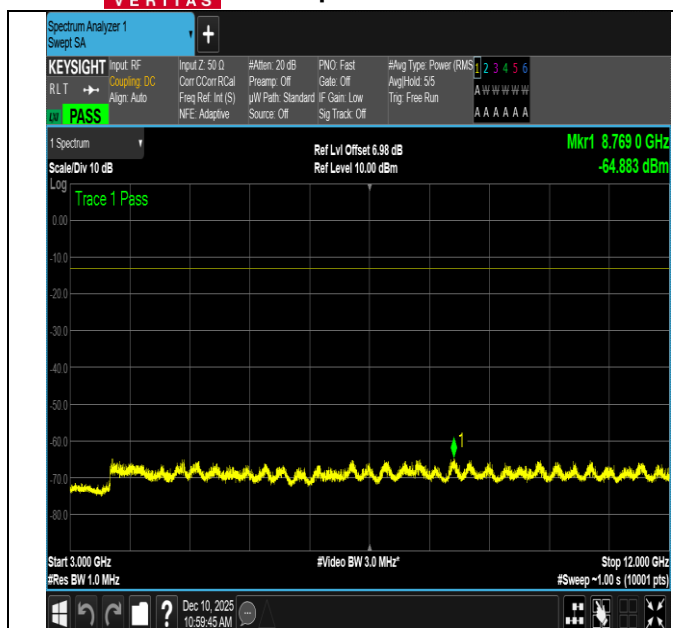
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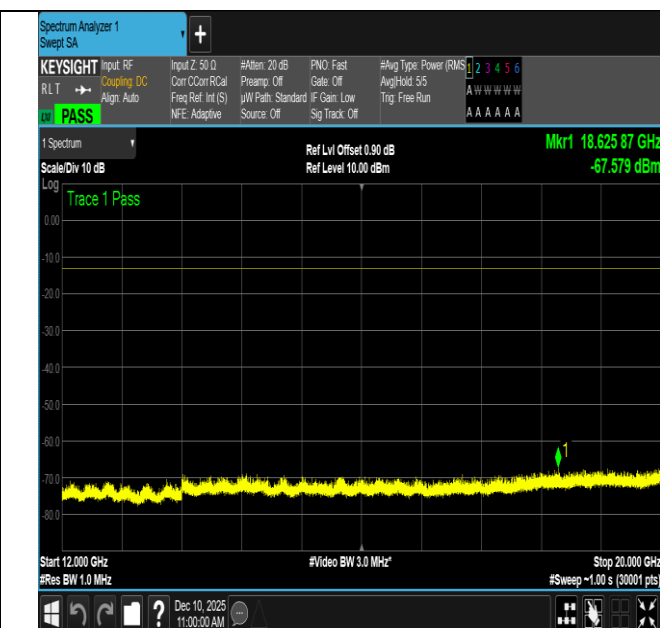
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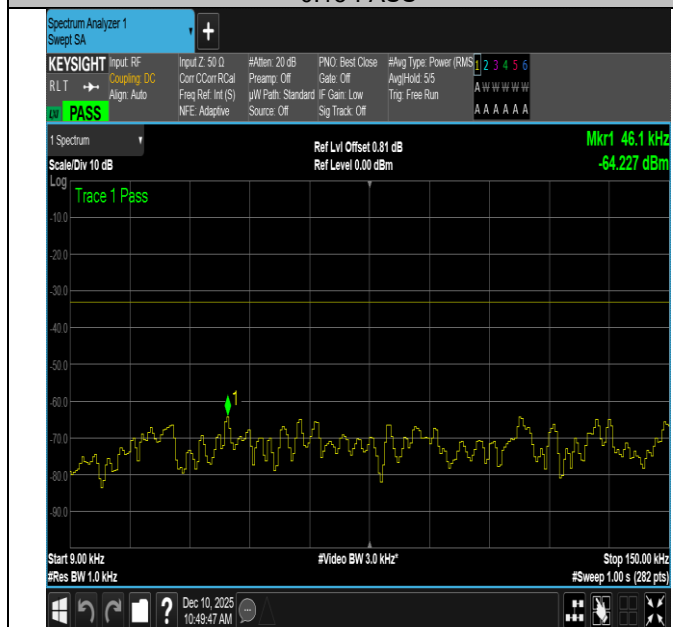
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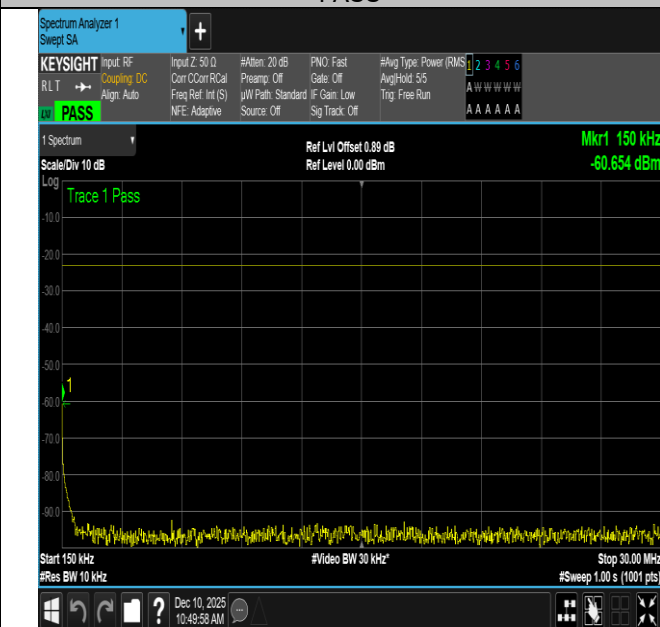
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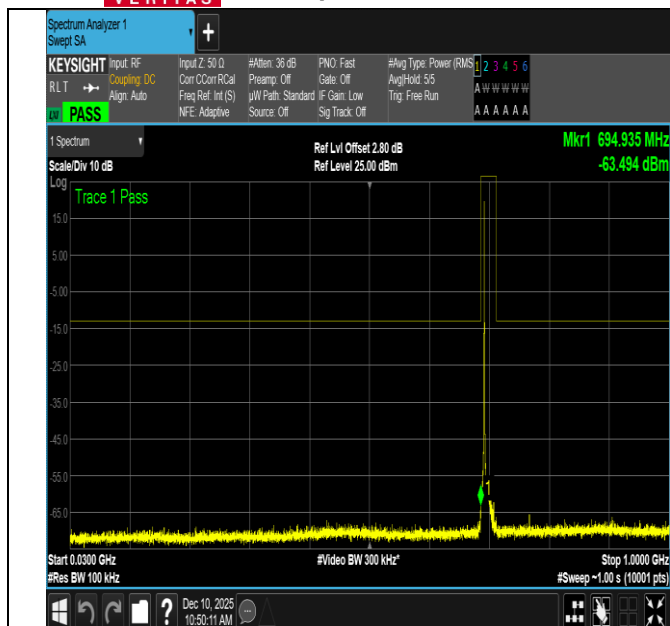
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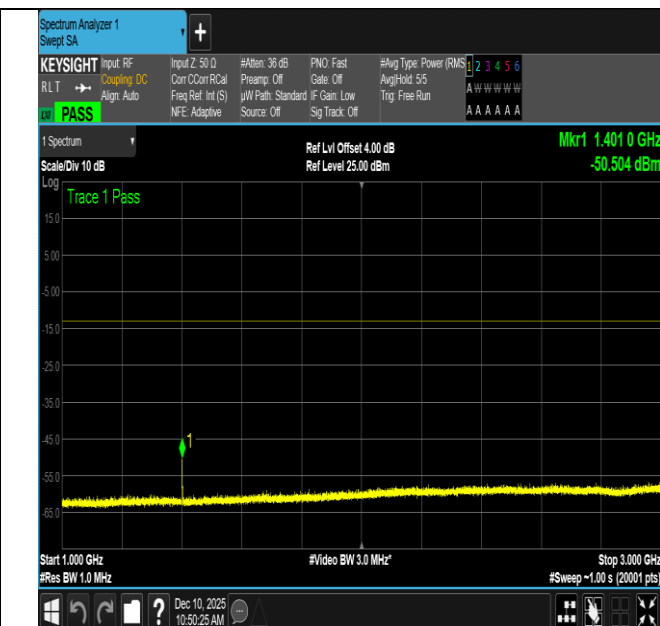
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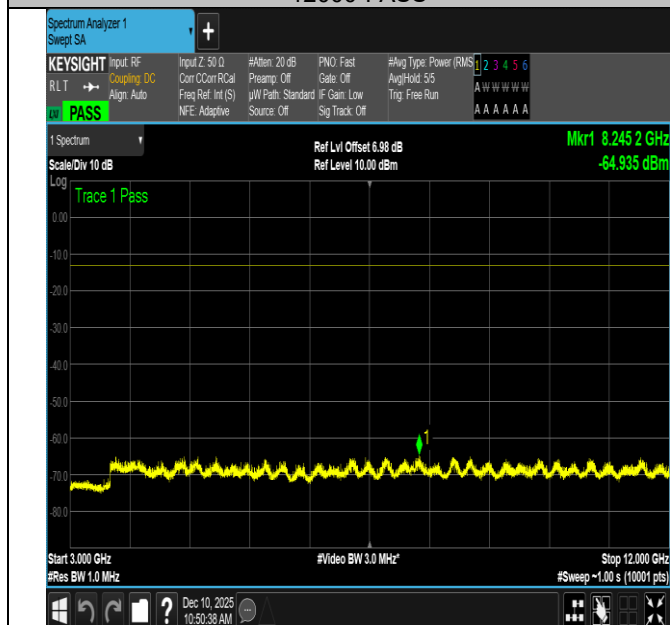
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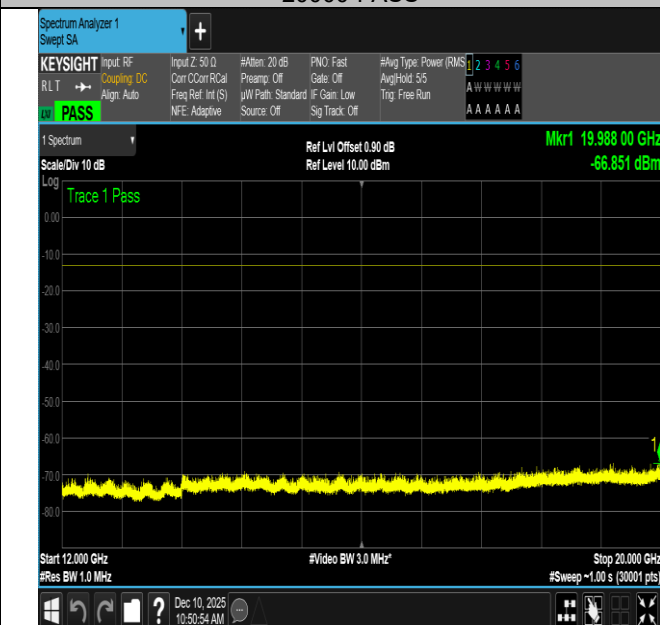
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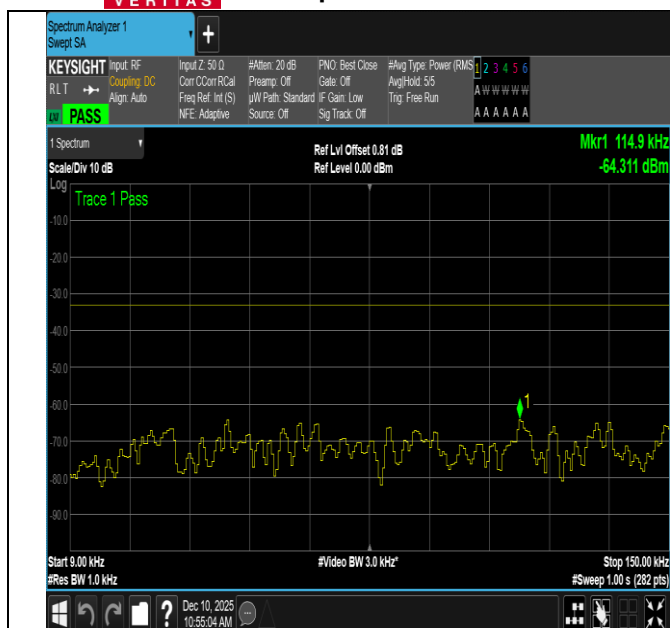
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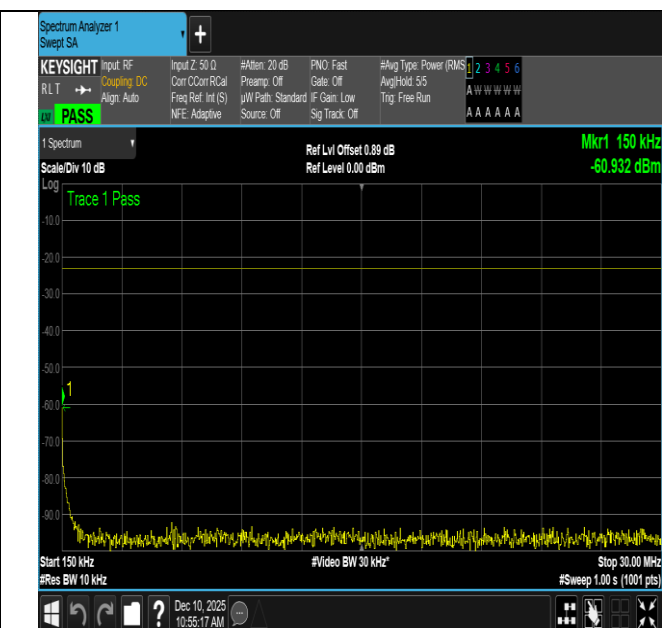
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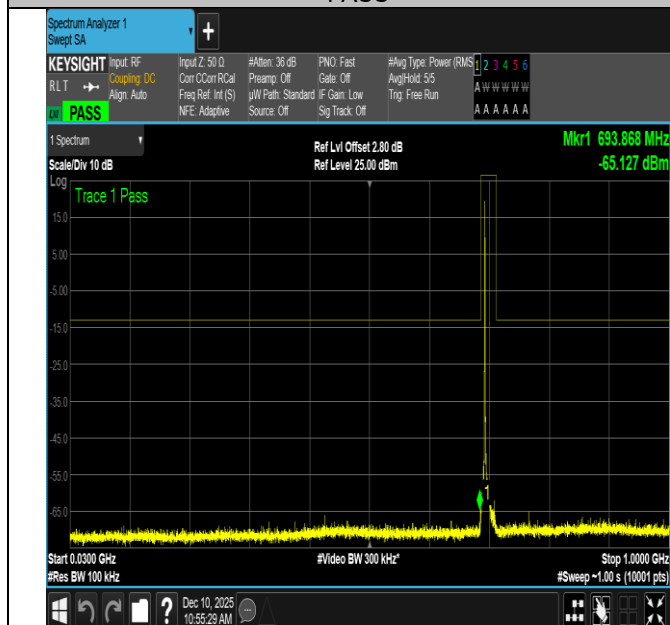
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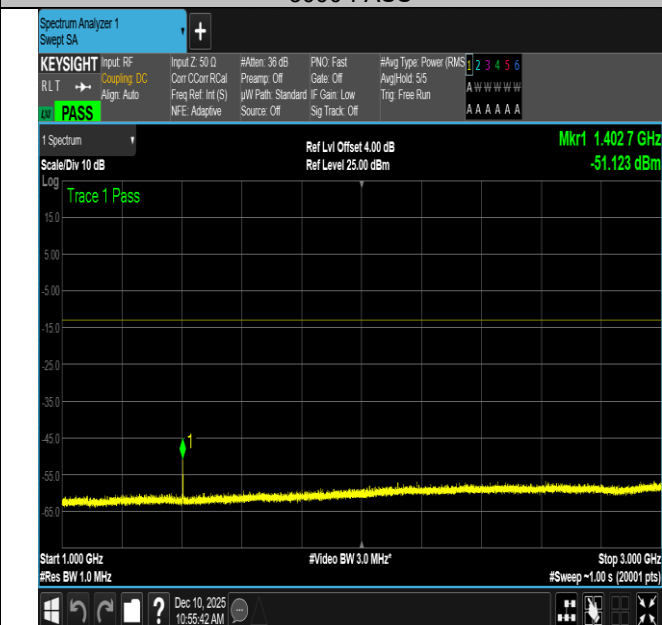
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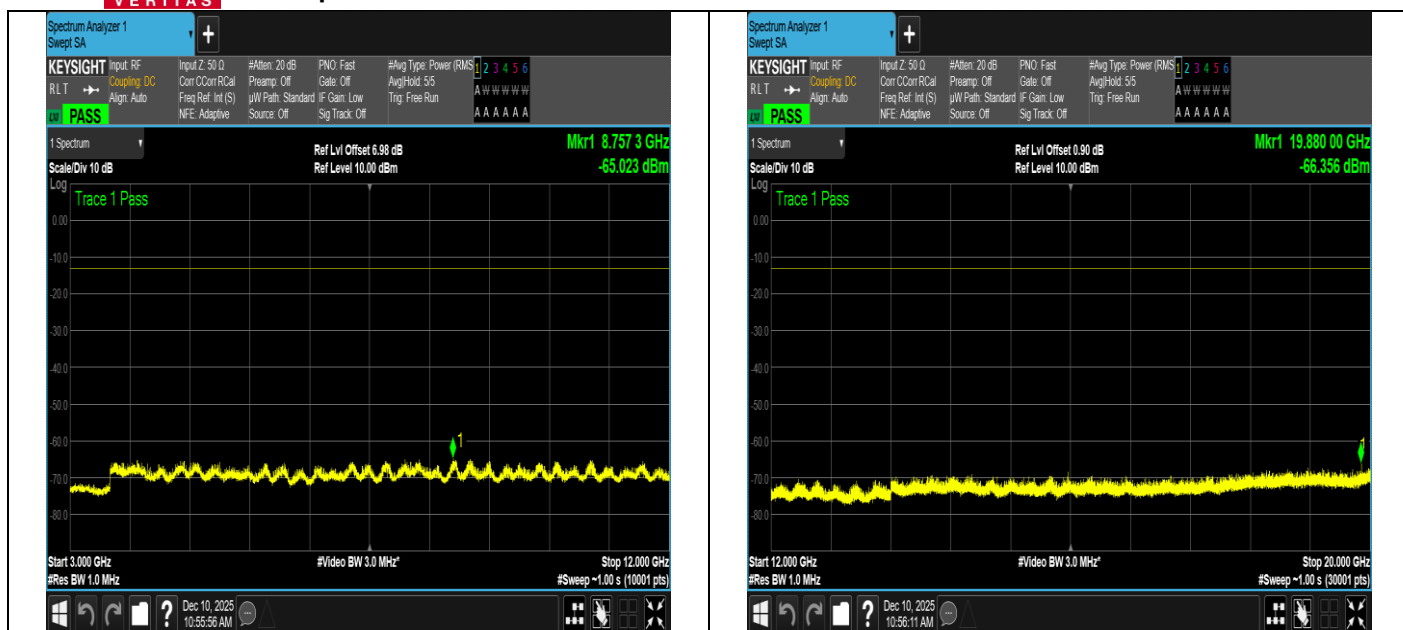
NTNV-n12-PC3-15-15-H-DFT-QPSK-Edge_1RB_Left-1000-3000-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Edge_1RB_Left-3000-12000-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Edge_1RB_Left-12000-20000-PASS





Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SC S (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage (V)	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
n12	15	5	DFT-QPSK	L	Outer_Full	VL	NT	-3.427	-0.004885	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	VN	NT	-1.963	-0.002798	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	VH	NT	0.326	0.000465	PASS
n12	15	5	DFT-QPSK	H	Outer_Full	VL	NT	0.472	0.000662	PASS
n12	15	5	DFT-QPSK	H	Outer_Full	VN	NT	-0.881	-0.001235	PASS
n12	15	5	DFT-QPSK	H	Outer_Full	VH	NT	-0.359	-0.000503	PASS

Frequency Error VS. Temperature

Temperature										
Band	SC S (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
n12	15	5	DFT-QPSK	L	Outer_Full	NV	-30	-2.909	-0.004147	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	NV	-20	-2.47	-0.003521	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	NV	-10	-3.432	-0.004892	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	NV	0	-1.608	-0.002292	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	NV	10	-0.913	-0.001301	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	NV	20	-1.601	-0.002282	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	NV	30	-0.926	-0.00132	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	NV	40	-2.096	-0.002096	PASS



			QPSK		ull				0.0029 88	S
n12	15	5	DFT- QPSK	L	Outer_F ull	NV	50	-1.631	- 0.0023 25	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	-30	-1.198	- 0.0016 79	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	-20	-1.026	- 0.0014 38	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	-10	-0.553	- 0.0007 75	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	0	-2.539	- 0.0035 59	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	10	-5.017	- 0.0070 32	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	20	-3.249	- 0.0045 54	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	30	-3.889	- 0.0054 51	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	40	-3.615	- 0.0050 67	PAS S
n12	15	5	DFT- QPSK	H	Outer_F ull	NV	50	-3.135	- 0.0043 94	PAS S



FCC-SA-N13

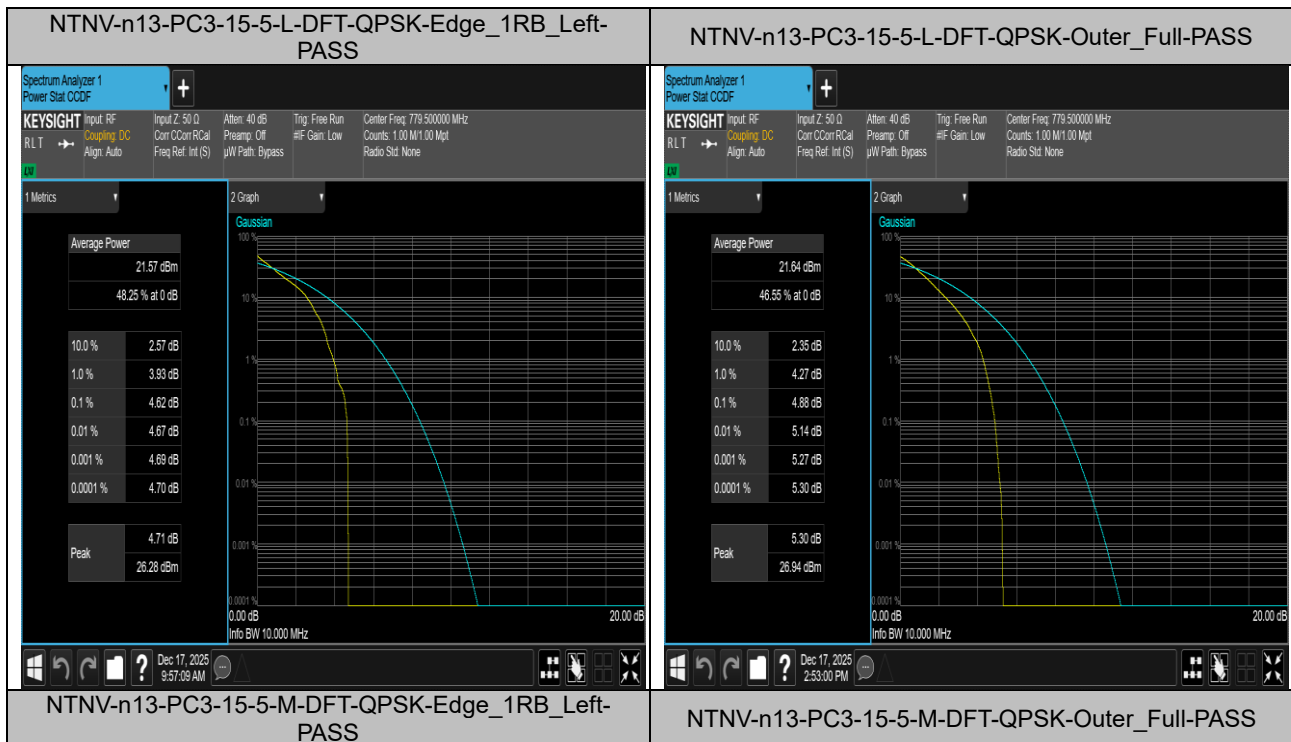
Peak-to-Average Ratio for SA

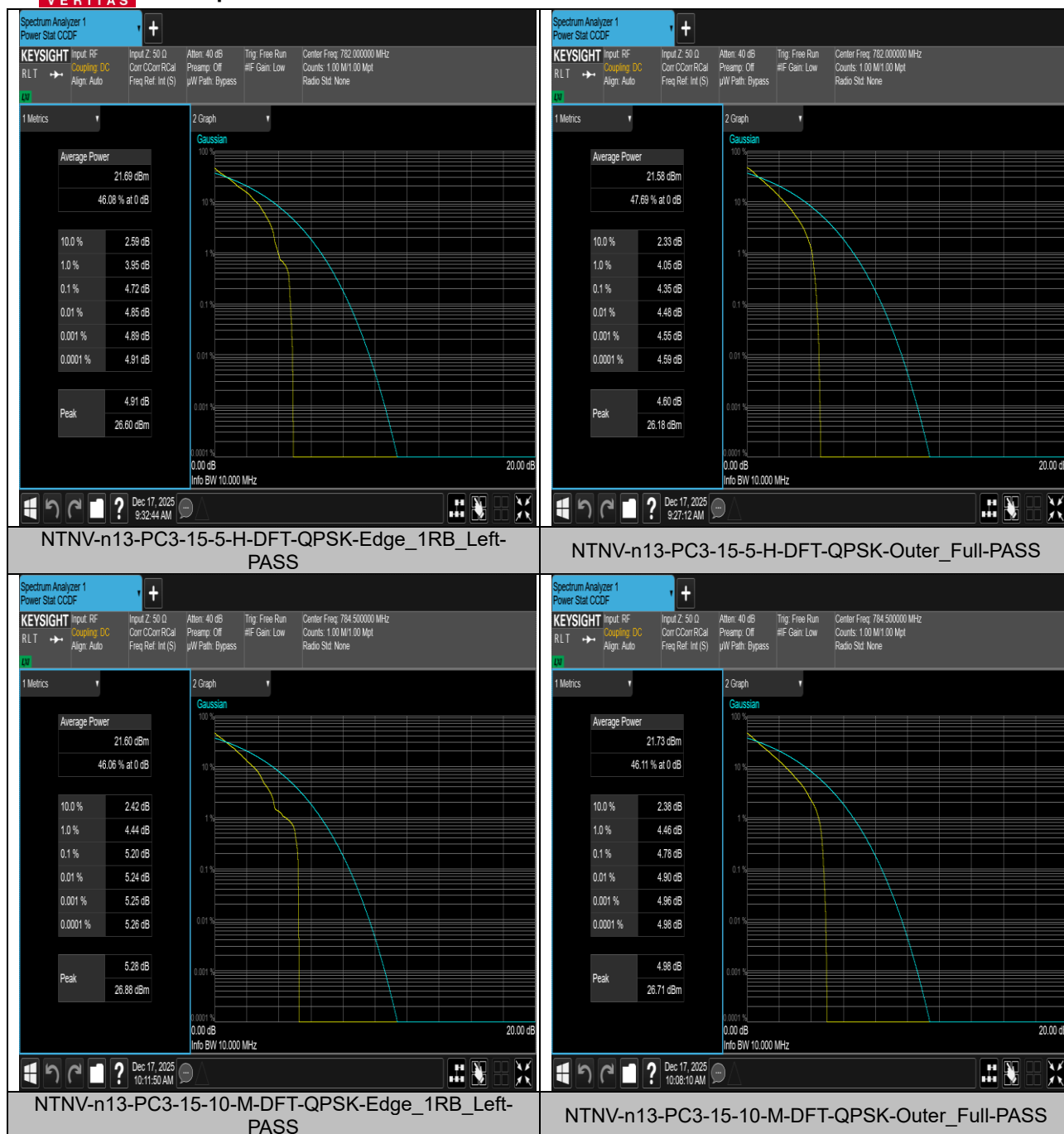
Peak-to-Average Ratio(CCDF)

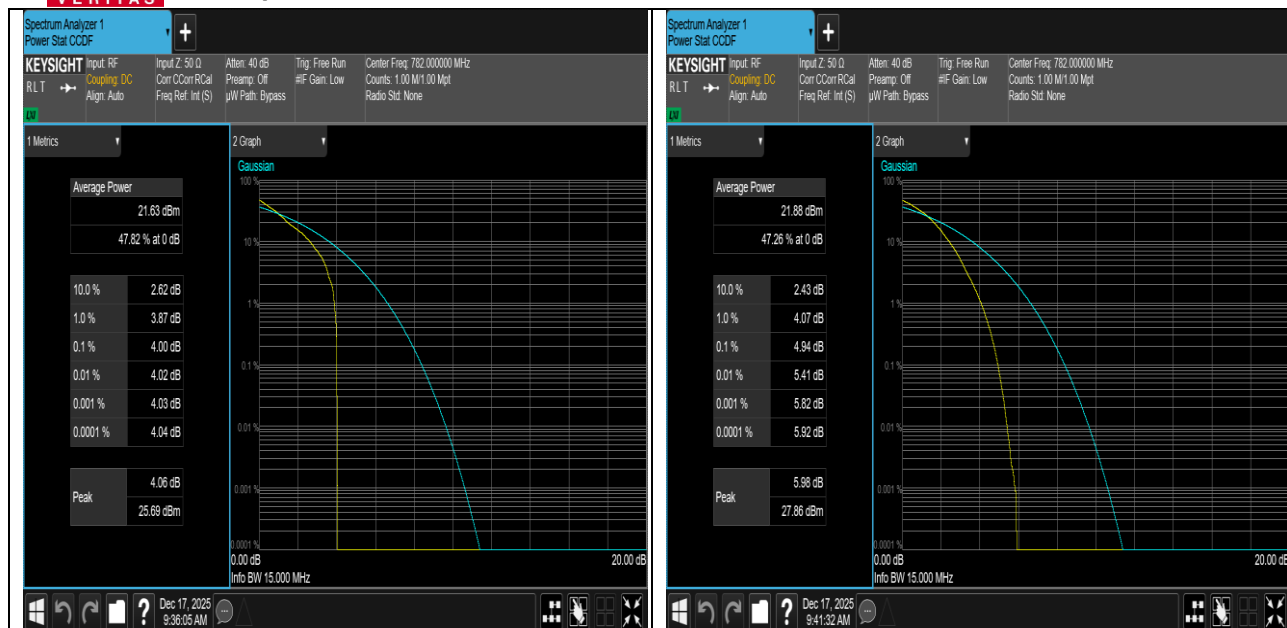
Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dB)	Limit	Verdict
n13	15	5	DFT-QPSK	L	Edge_1RB_Left	4.62	≤13dB	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	4.88	≤13dB	PASS
n13	15	5	DFT-QPSK	M	Edge_1RB_Left	4.72	≤13dB	PASS
n13	15	5	DFT-QPSK	M	Outer_Full	4.35	≤13dB	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_Left	5.2	≤13dB	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	4.78	≤13dB	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_Left	4	≤13dB	PASS
n13	15	10	DFT-QPSK	M	Outer_Full	4.94	≤13dB	PASS

Test Graphs







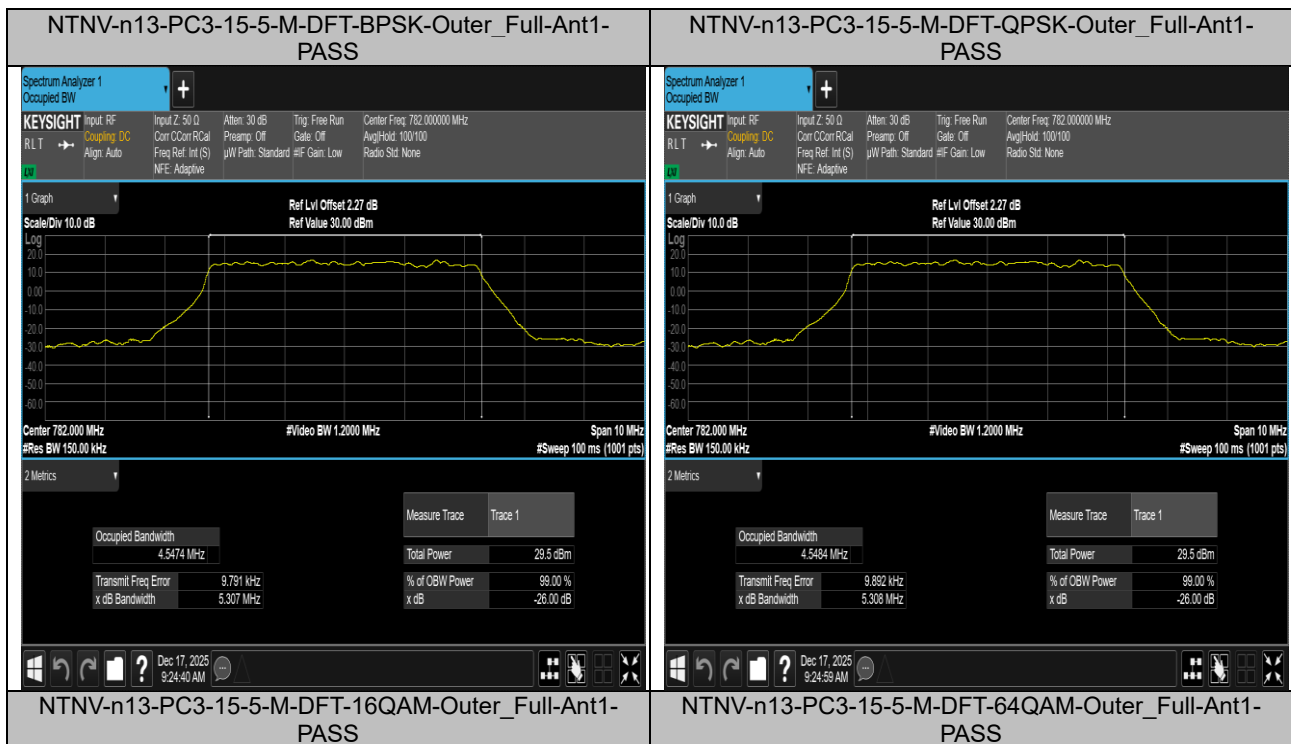


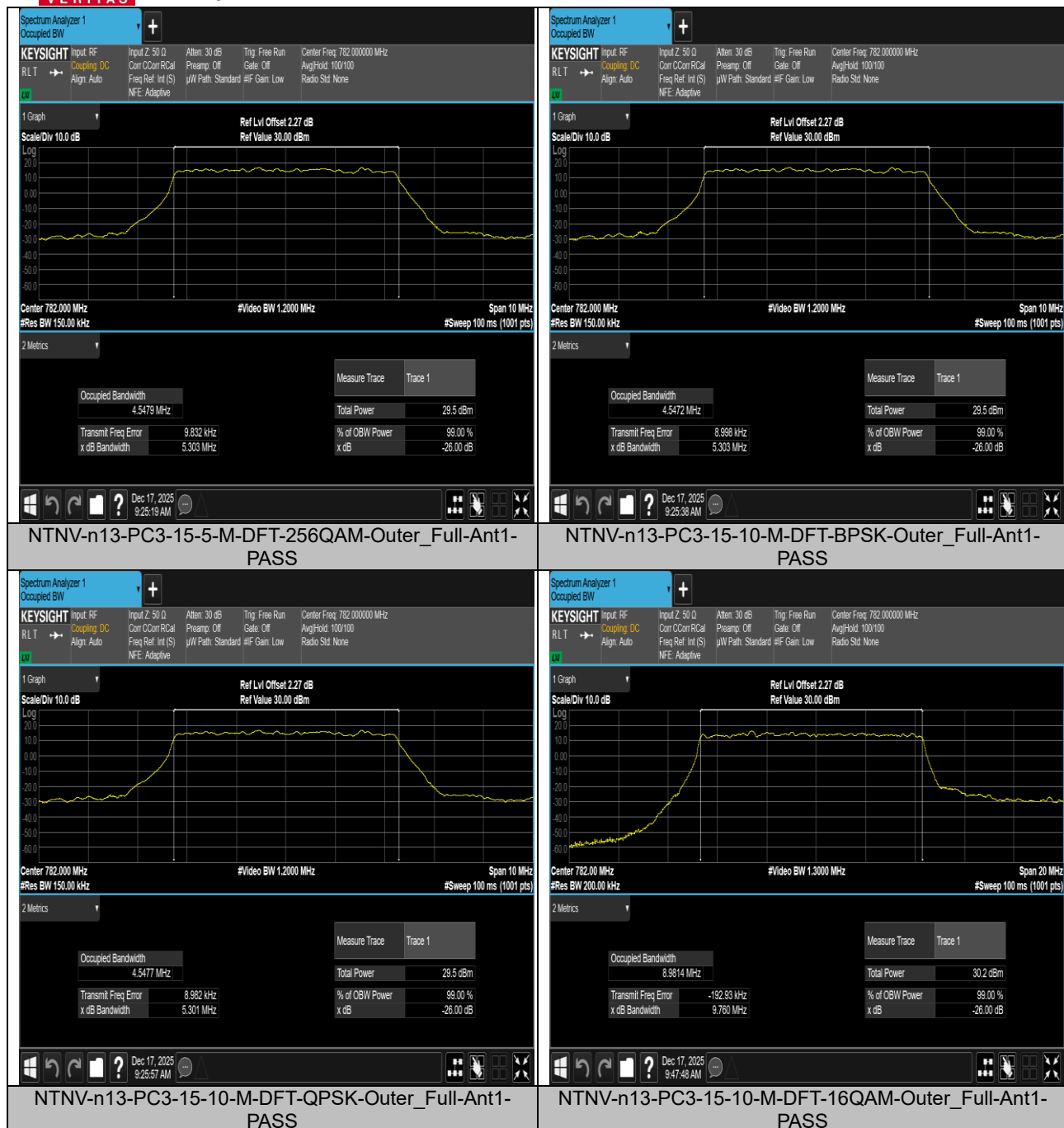
26dB Bandwidth and Occupied Bandwidth for SA

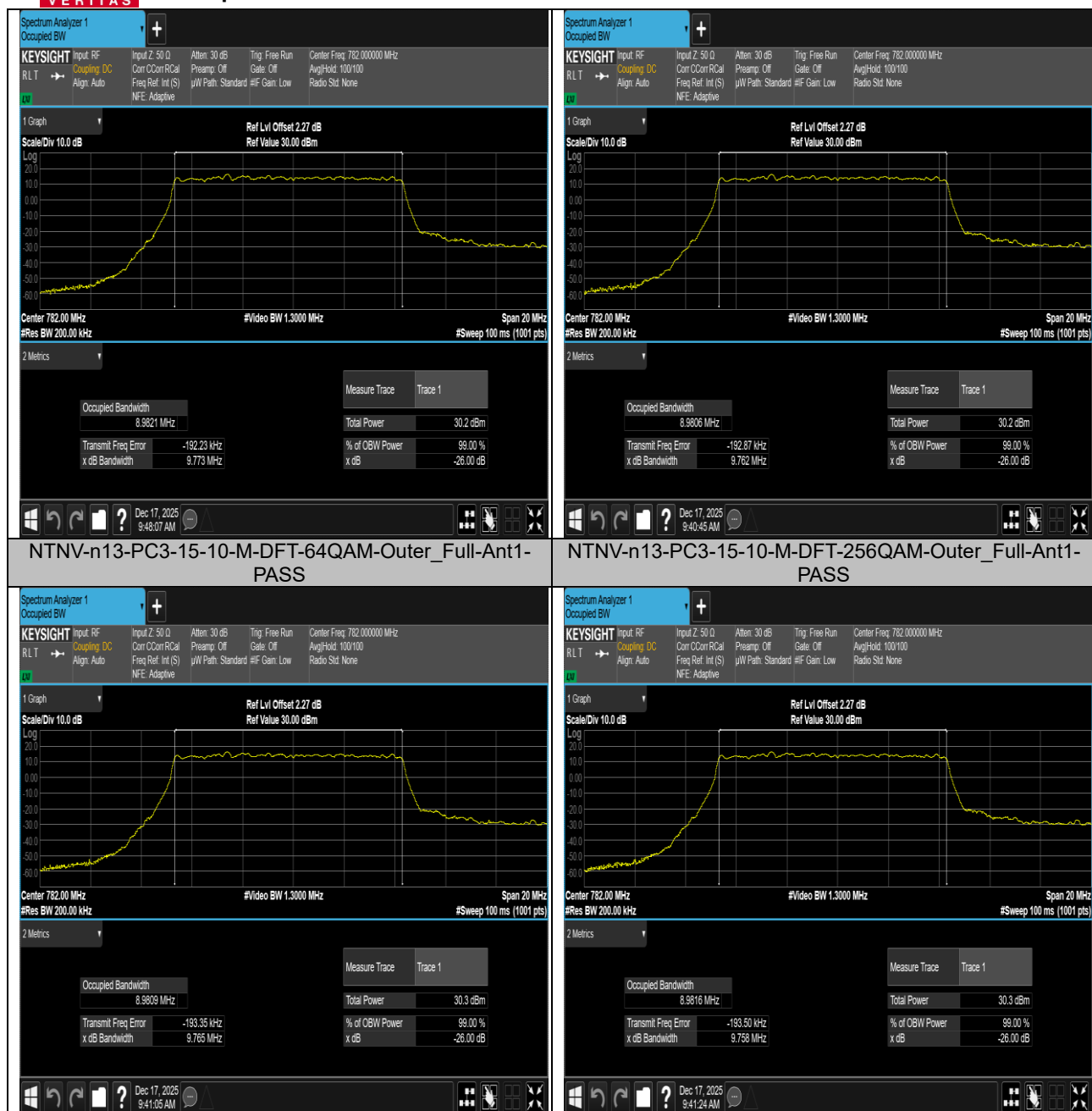
Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	OBW (MHz)	EBW (MHz)	Verdict
n13	15	5	DFT-BPSK	M	Outer_Full	4.5474	5.307	PASS
n13	15	5	DFT-QPSK	M	Outer_Full	4.5484	5.308	PASS
n13	15	5	DFT-16QAM	M	Outer_Full	4.5479	5.303	PASS
n13	15	5	DFT-64QAM	M	Outer_Full	4.5472	5.303	PASS
n13	15	5	DFT-256QAM	M	Outer_Full	4.5477	5.301	PASS
n13	15	10	DFT-BPSK	M	Outer_Full	8.9814	9.760	PASS
n13	15	10	DFT-QPSK	M	Outer_Full	8.9821	9.773	PASS
n13	15	10	DFT-16QAM	M	Outer_Full	8.9806	9.762	PASS
n13	15	10	DFT-64QAM	M	Outer_Full	8.9809	9.765	PASS
n13	15	10	DFT-256QAM	M	Outer_Full	8.9816	9.758	PASS

Test Graphs







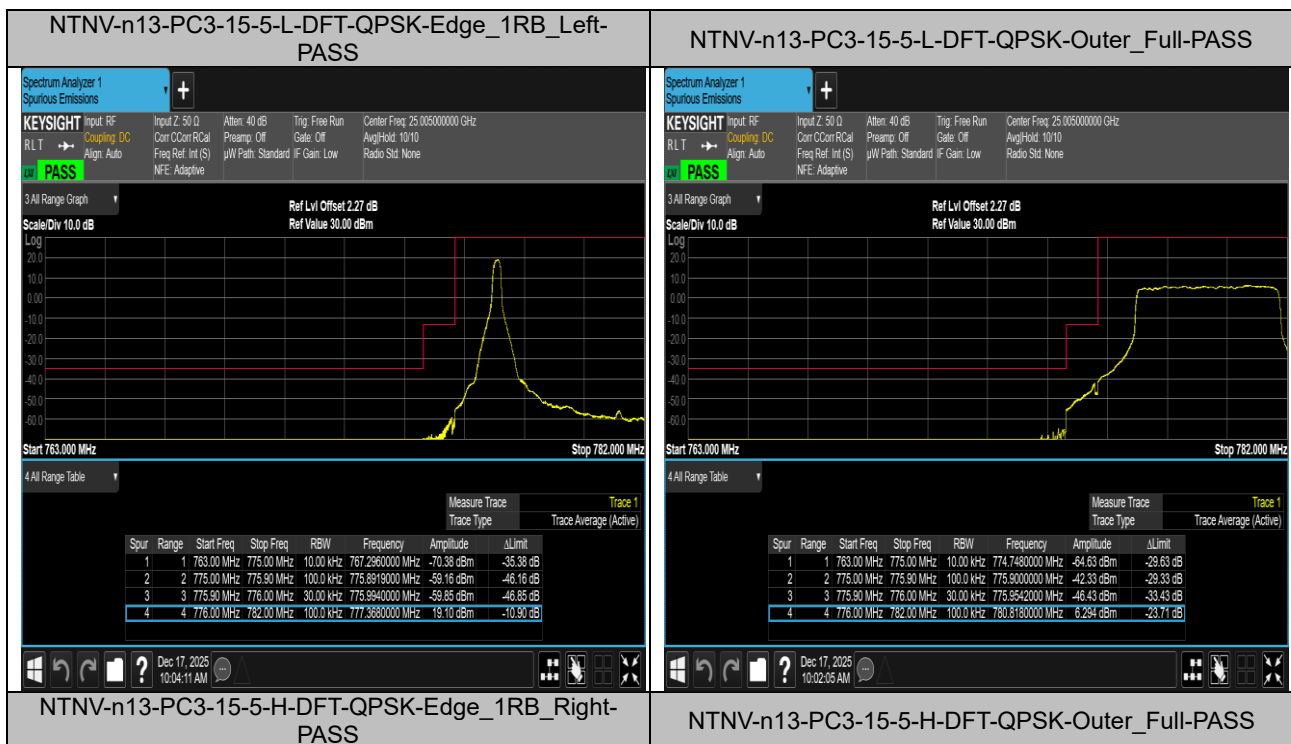


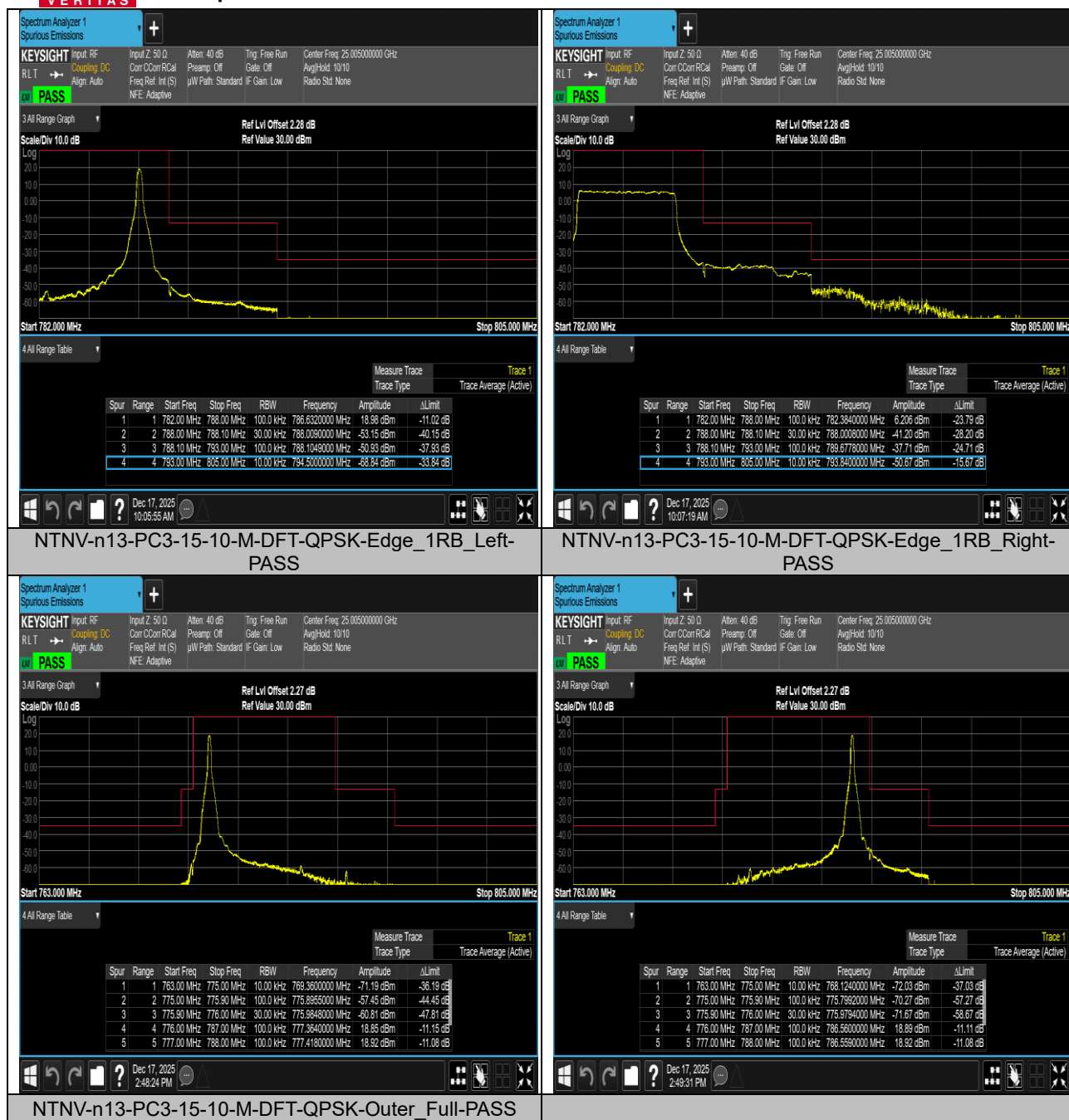
Band Edge for SA

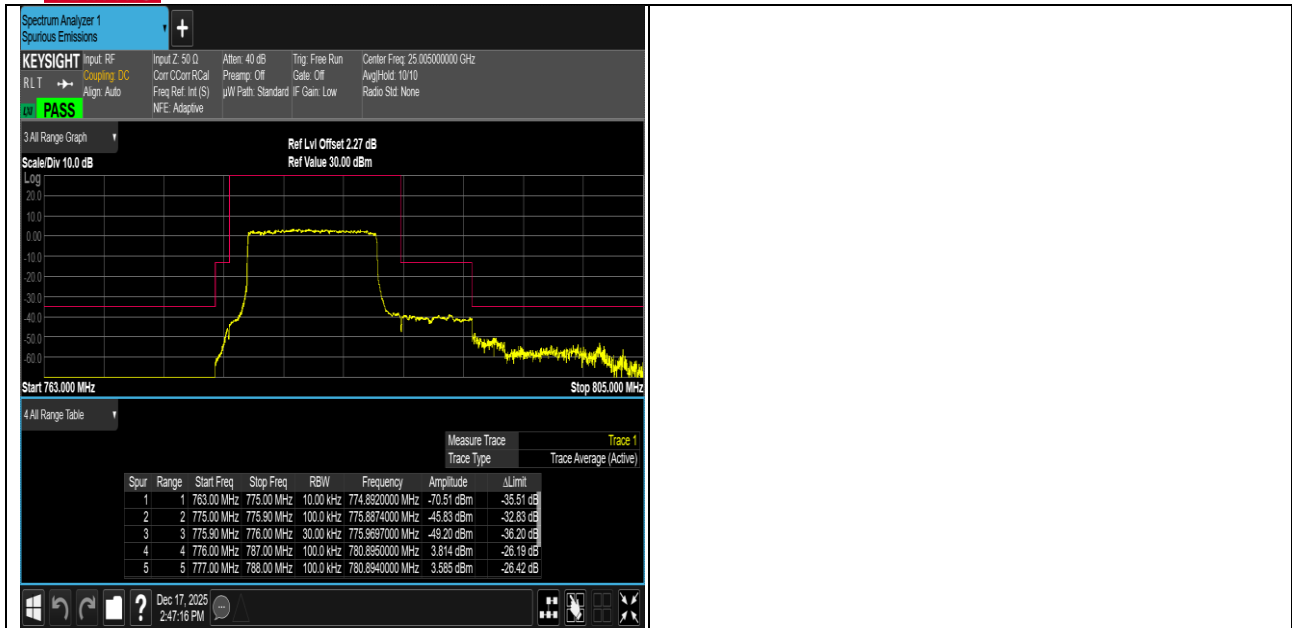
Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dBm)	Verdict
n13	15	5	DFT-QPSK	L	Edge_1RB_Left	-70.38	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	-42.33	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_Right	-68.84	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	-50.67	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_Left	-70.57	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_Right	-67.67	PASS
n13	15	10	DFT-QPSK	M	Outer_Full	-48.23	PASS

Test Graphs









Conducted Spurious Emission for SA

Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit	Verdict
n13	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	0.009	0.15	-66.44	≤-33dBm	PASS
n13	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	0.15	30	-64.22	≤-23dBm	PASS
n13	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	30	1000	-64.50	≤-13dBm	PASS
n13	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	1000	3000	-55.32	≤-13dBm	PASS
n13	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	3000	12000	-64.15	≤-13dBm	PASS
n13	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	12000	20000	-66.88	≤-13dBm	PASS
n13	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	0.009	0.15	-65.74	≤-33dBm	PASS
n13	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	0.15	30	-62.41	≤-23dBm	PASS
n13	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	30	1000	-64.88	≤-13dBm	PASS
n13	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	1000	3000	-55.12	≤-13dBm	PASS
n13	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	3000	12000	-63.89	≤-13dBm	PASS
n13	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	12000	20000	-67.02	≤-13dBm	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	0.009	0.15	-65.85	≤-33dBm	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	0.15	30	-60.78	≤-23dBm	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	30	1000	-64.88	≤-13dBm	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	1000	3000	-55.67	≤-13dBm	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	3000	12000	-64.19	≤-13dBm	PASS
n13	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	12000	20000	-67.07	≤-13dBm	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_L _{eft}	0.009	0.15	-63.3	≤-33dB	PASS

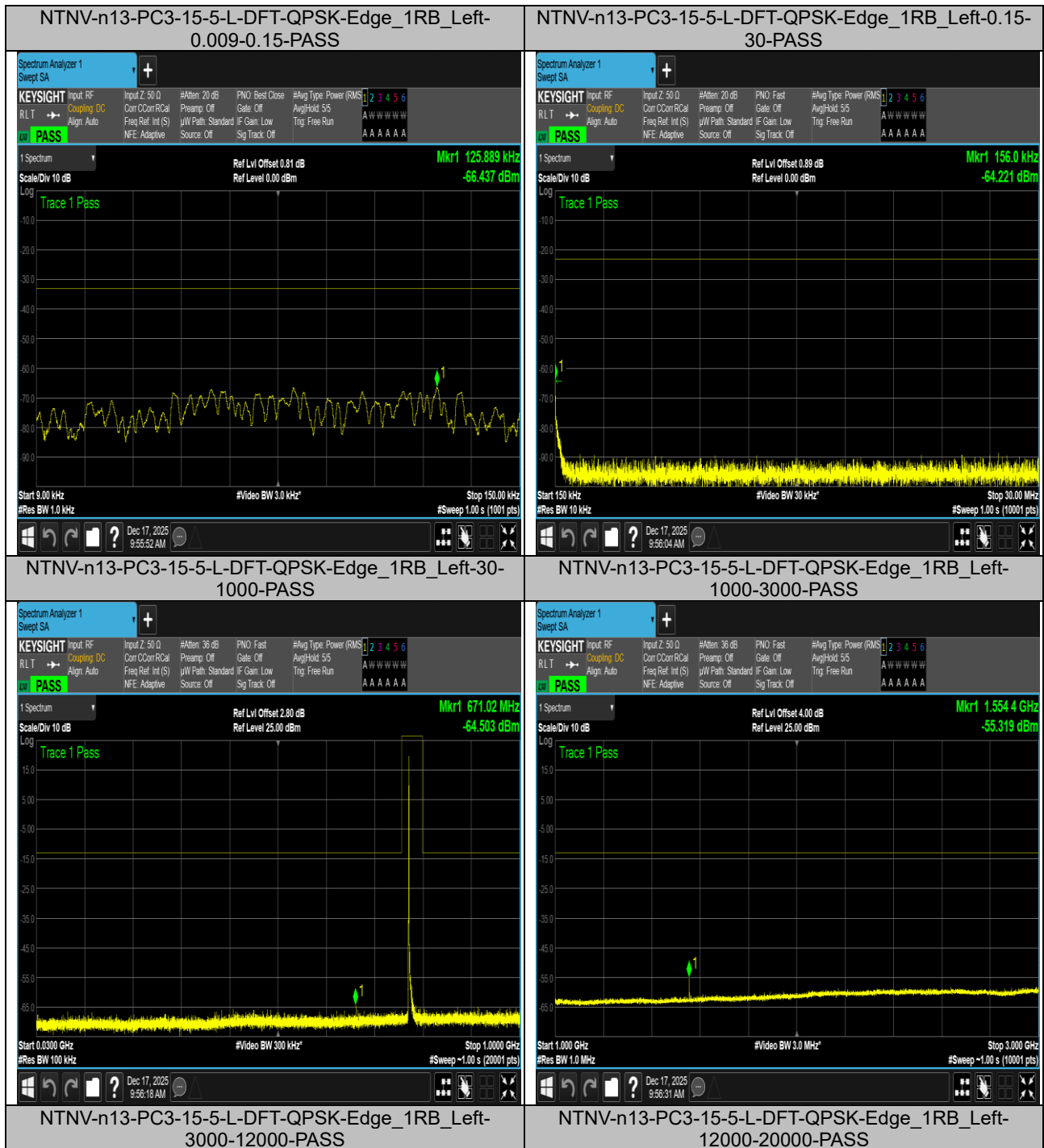


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n13	15	10	DFT-QPSK	M	Edge_1RB_L eft	0.15	30	- 61.0 2	≤- 23dB m	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_L eft	30	1000	- 65.4 2	≤- 13dB m	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_L eft	1000	3000	- 54.2 2	≤- 13dB m	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_L eft	3000	12000	- 56.3 7	≤- 13dB m	PASS
n13	15	10	DFT-QPSK	M	Edge_1RB_L eft	12000	20000	- 67.5 2	≤- 13dB m	PASS



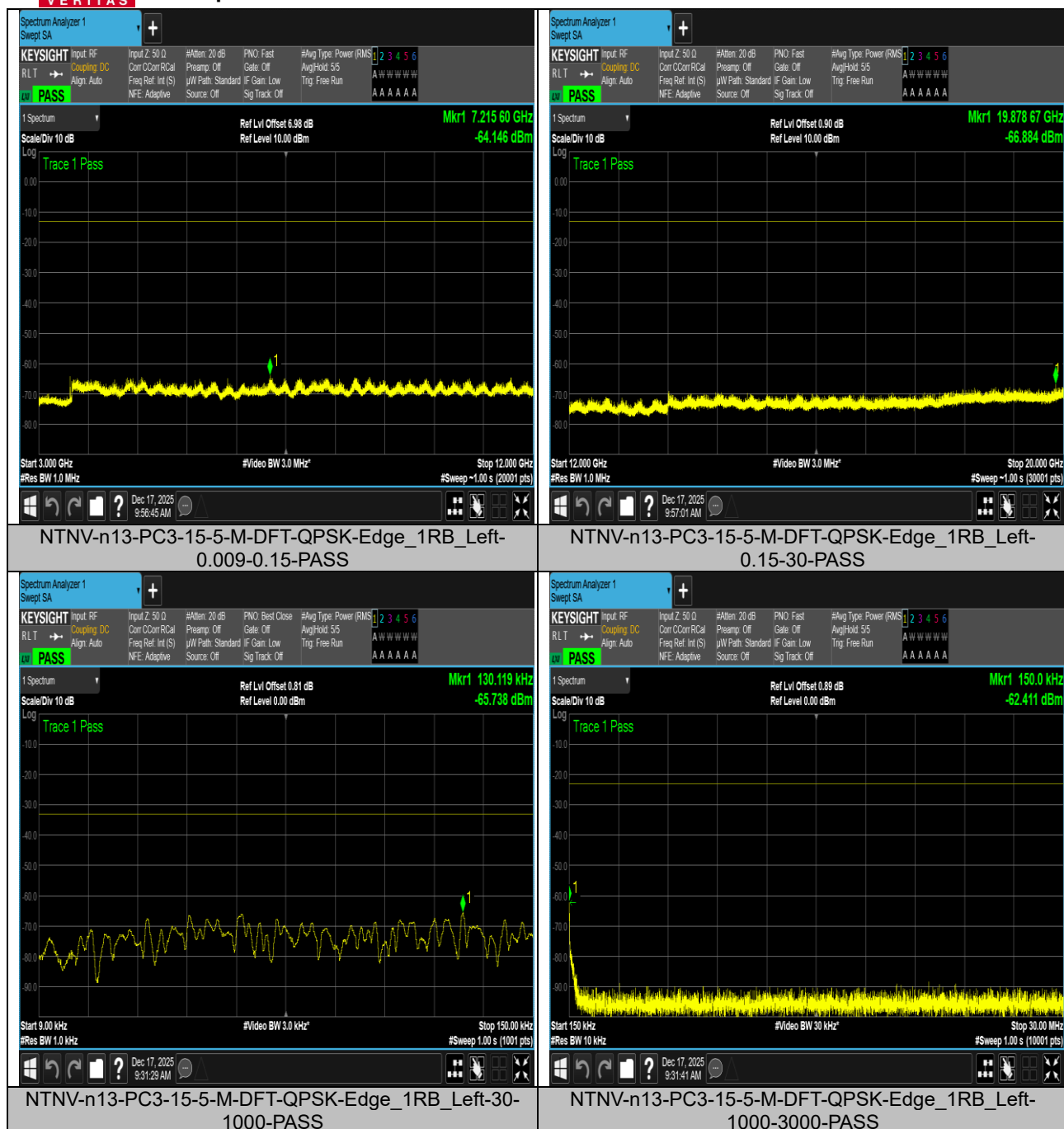
Test Graphs





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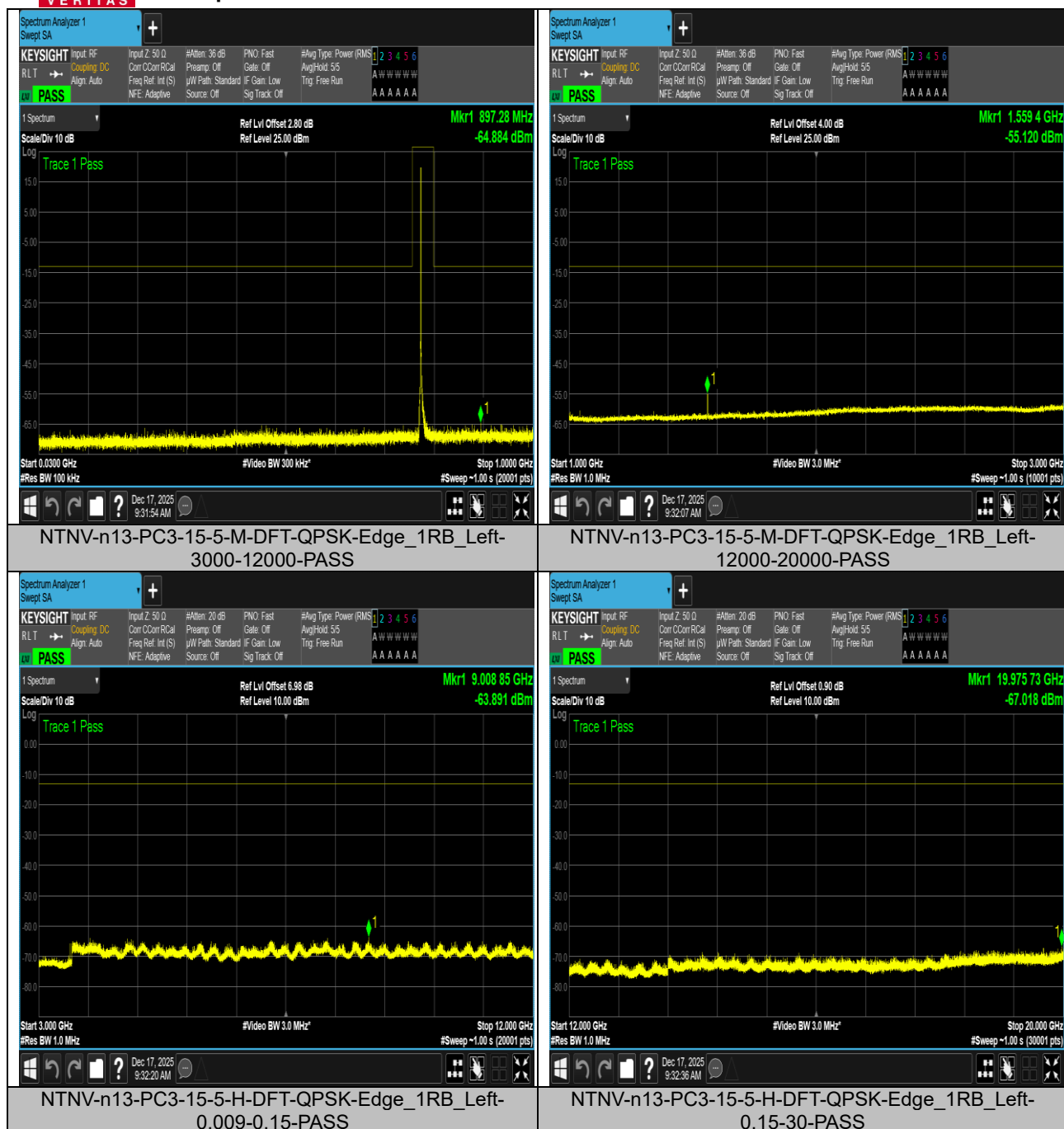
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(Suzhou) Co., Ltd.

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District, Suzhou City, Anhui Province, China

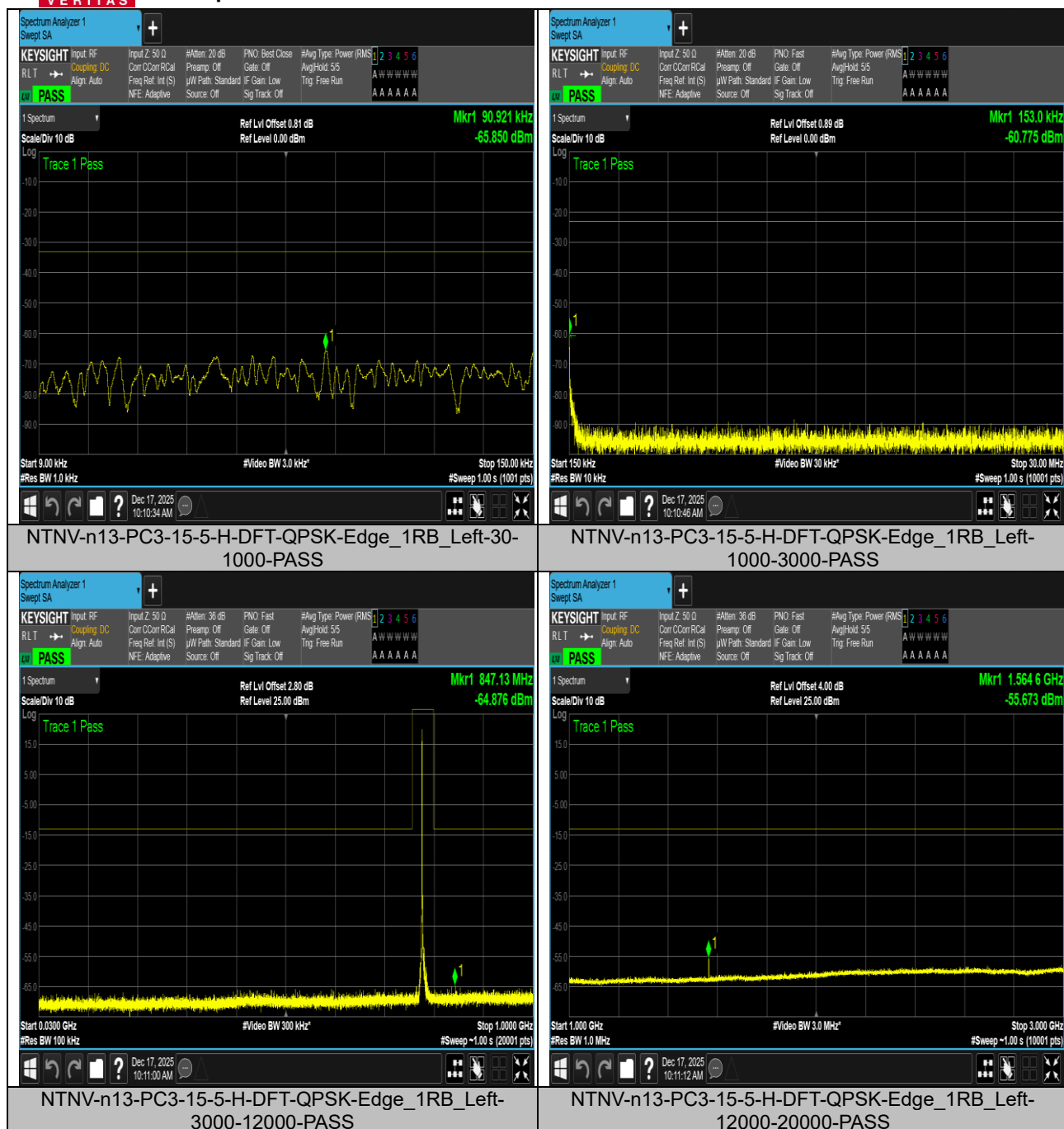
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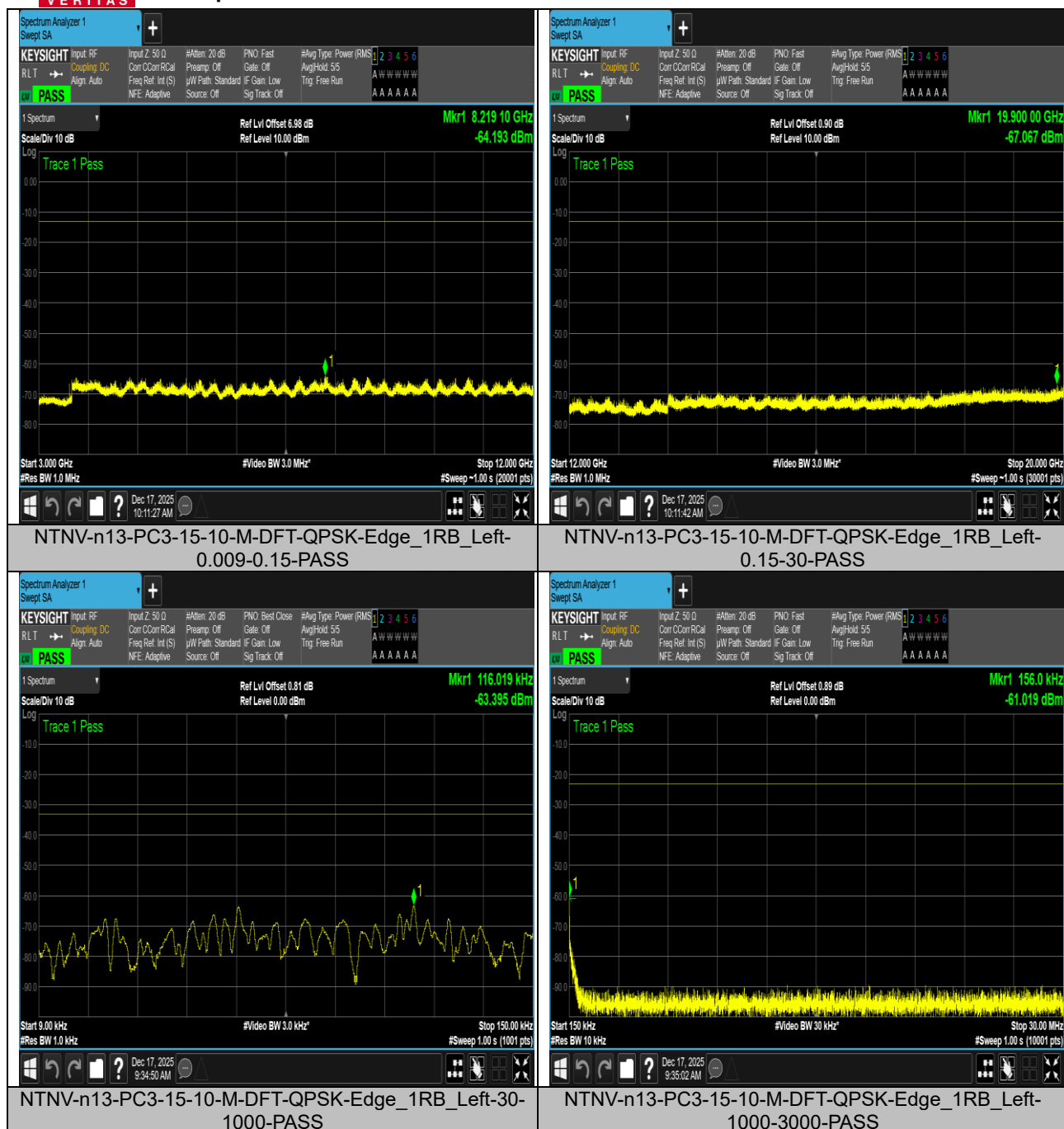
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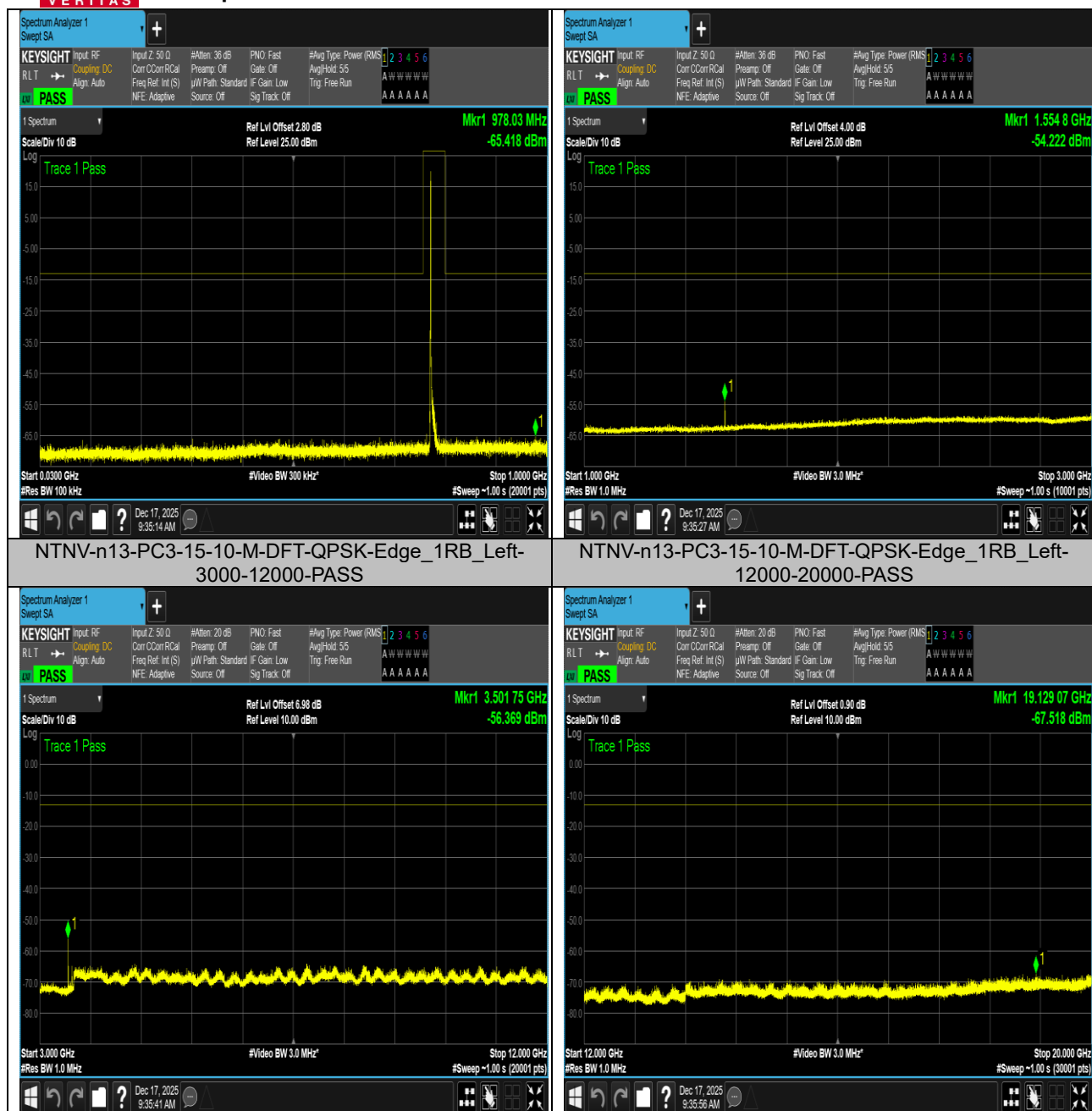
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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage (V)	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
n13	15	5	DFT-QPSK	L	Outer_Full	VL	NT	12.106	0.015531	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	VN	NT	13.160	0.016883	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	VH	NT	6.724	0.008626	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	VL	NT	5.826	0.0074270	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	VN	NT	5.579	0.0071120	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	VH	NT	2.767	0.0035269	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
n13	15	5	DFT-QPSK	L	Outer_Full	NV	-30	19.528	0.025051	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	-20	3.419	0.004386	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	-10	12.382	0.015884	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	0	13.220	0.016959	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	10	6.099	0.007824	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	20	7.630	0.009789	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	30	19.574	0.025111	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	40	13.396	0.017186	PASS
n13	15	5	DFT-QPSK	L	Outer_Full	NV	50	13.850	0.017768	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	-30	14.889	0.018979	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	-20	8.666	0.011047	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	-10	1.818	0.002317	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	0	2.269	0.002892	PASS



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n13	15	5	DFT-QPSK	H	Outer_Full	NV	10	8.069	0.010286	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	20	1.850	0.002359	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	30	14.956	0.019064	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	40	17.473	0.022273	PASS
n13	15	5	DFT-QPSK	H	Outer_Full	NV	50	7.892	0.010060	PASS



FCC-SA-N71

Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dB)	Limit	Verdict
n71	15	5	DFT-QPSK	L	Edge 1RB Left	4.18	≤13dB	PASS
n71	15	5	DFT-QPSK	L	Outer Full	4.53	≤13dB	PASS
n71	15	5	DFT-QPSK	M	Edge 1RB Left	5.17	≤13dB	PASS
n71	15	5	DFT-QPSK	M	Outer Full	5.17	≤13dB	PASS
n71	15	5	DFT-QPSK	H	Edge 1RB Left	5.02	≤13dB	PASS
n71	15	5	DFT-QPSK	H	Outer Full	4.73	≤13dB	PASS
n71	15	10	DFT-QPSK	L	Edge 1RB Left	4.19	≤13dB	PASS
n71	15	10	DFT-QPSK	L	Outer Full	5.28	≤13dB	PASS
n71	15	10	DFT-QPSK	M	Edge 1RB Left	6.96	≤13dB	PASS
n71	15	10	DFT-QPSK	M	Outer Full	6.72	≤13dB	PASS
n71	15	10	DFT-QPSK	H	Edge 1RB Left	5	≤13dB	PASS
n71	15	10	DFT-QPSK	H	Outer Full	4.62	≤13dB	PASS
n71	15	15	DFT-QPSK	L	Edge 1RB Left	4.26	≤13dB	PASS
n71	15	15	DFT-QPSK	L	Outer Full	4.9	≤13dB	PASS
n71	15	15	DFT-QPSK	M	Edge 1RB Left	4.32	≤13dB	PASS
n71	15	15	DFT-QPSK	M	Outer Full	4.92	≤13dB	PASS
n71	15	15	DFT-QPSK	H	Edge 1RB Left	4.76	≤13dB	PASS
n71	15	15	DFT-QPSK	H	Outer Full	5.21	≤13dB	PASS
n71	15	20	DFT-QPSK	L	Edge 1RB Left	4.19	≤13dB	PASS
n71	15	20	DFT-QPSK	L	Outer Full	5.3	≤13dB	PASS
n71	15	20	DFT-QPSK	M	Edge 1RB Left	4.46	≤13dB	PASS
n71	15	20	DFT-QPSK	M	Outer Full	4.6	≤13dB	PASS
n71	15	20	DFT-QPSK	H	Edge 1RB Left	4.28	≤13dB	PASS
n71	15	20	DFT-QPSK	H	Outer Full	5.16	≤13dB	PASS



Test Graphs

