



Band Edge

Test Result

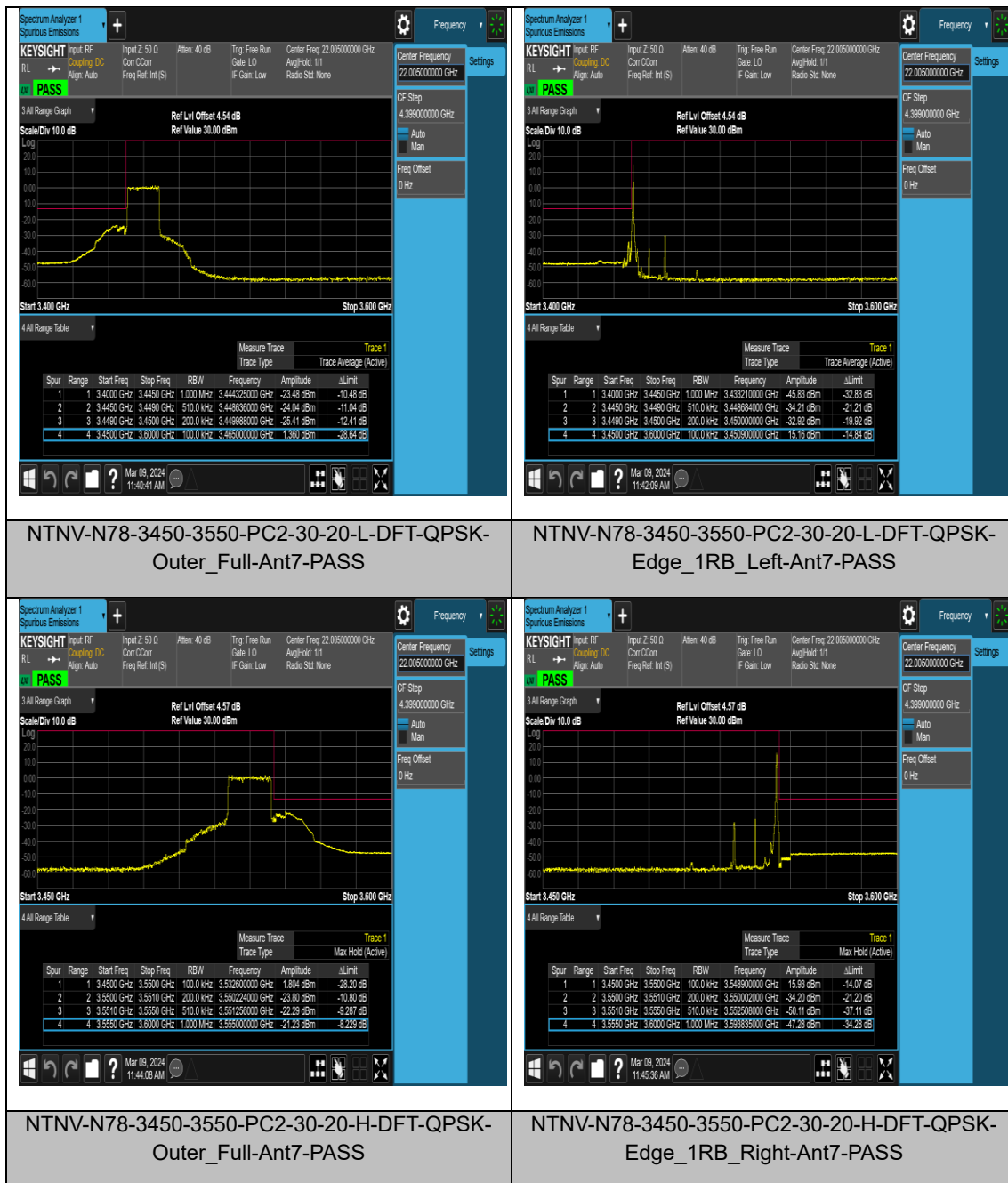
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	-23.48	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	-32.92	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	-21.23	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Right	-34.20	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Outer_Full	-27.84	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Edge_1RB_Left	-32.25	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Outer_Full	-27.42	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Edge_1RB_Right	-32.45	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	-33.45	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Left	-34.13	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Right	-33.16	PASS



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Test Graphs



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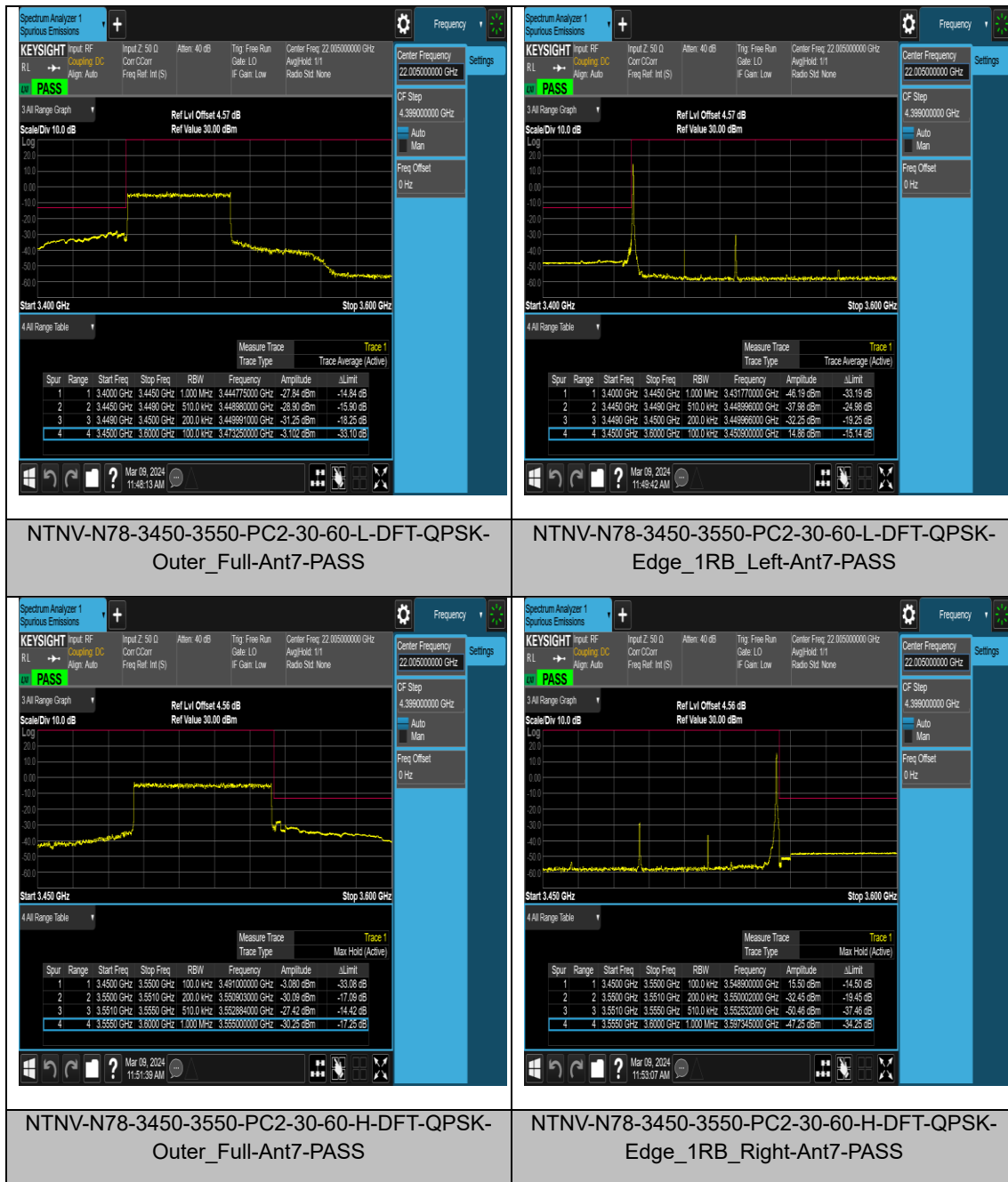
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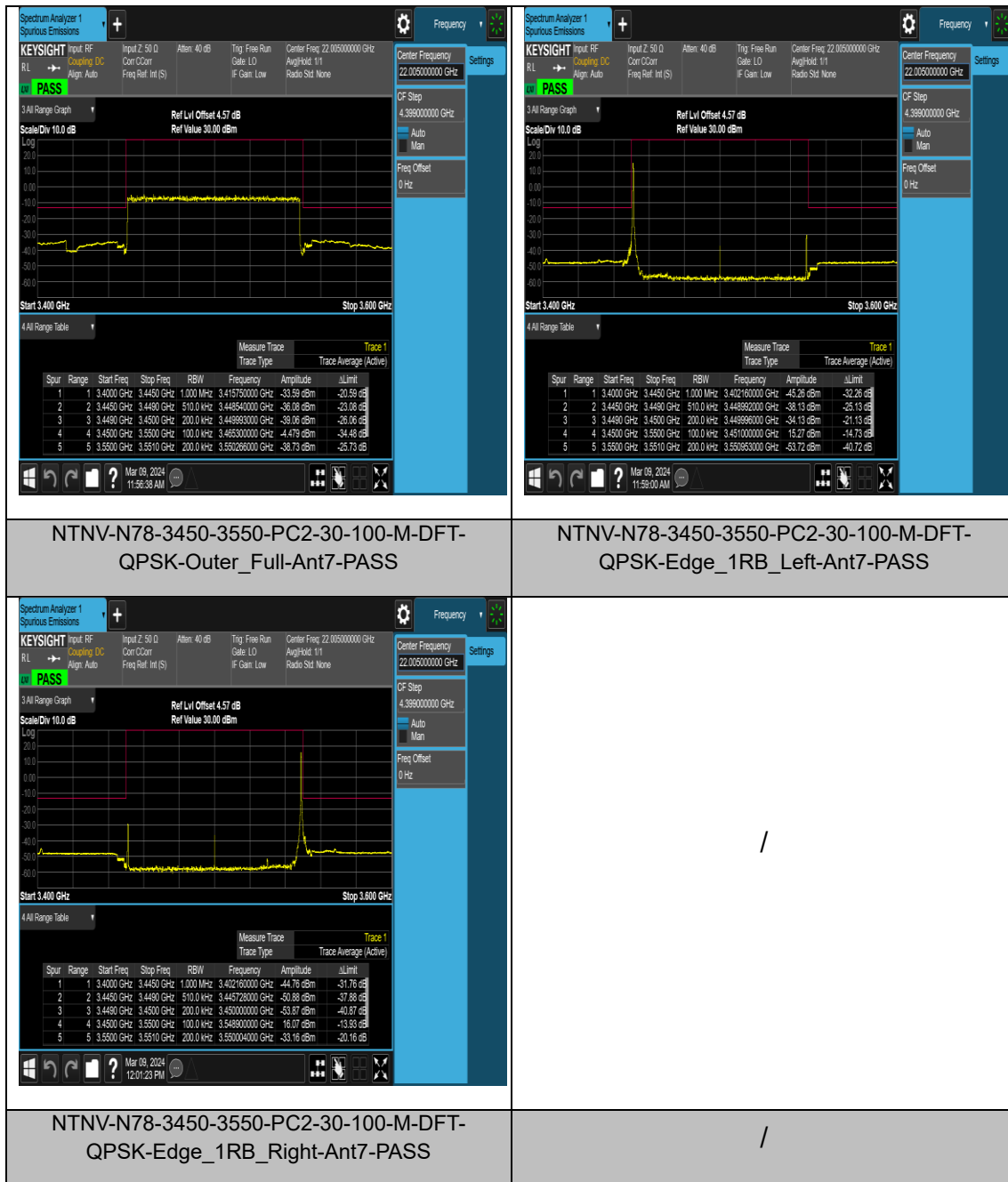
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Conducted Spurious Emission

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N78-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.50	-13	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-24.13	-13	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.59	-13	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.88	-13	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.65	-13	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.88	-13	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.58	-13	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-24.06	-13	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.43	-13	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.91	-13	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.61	-13	PASS



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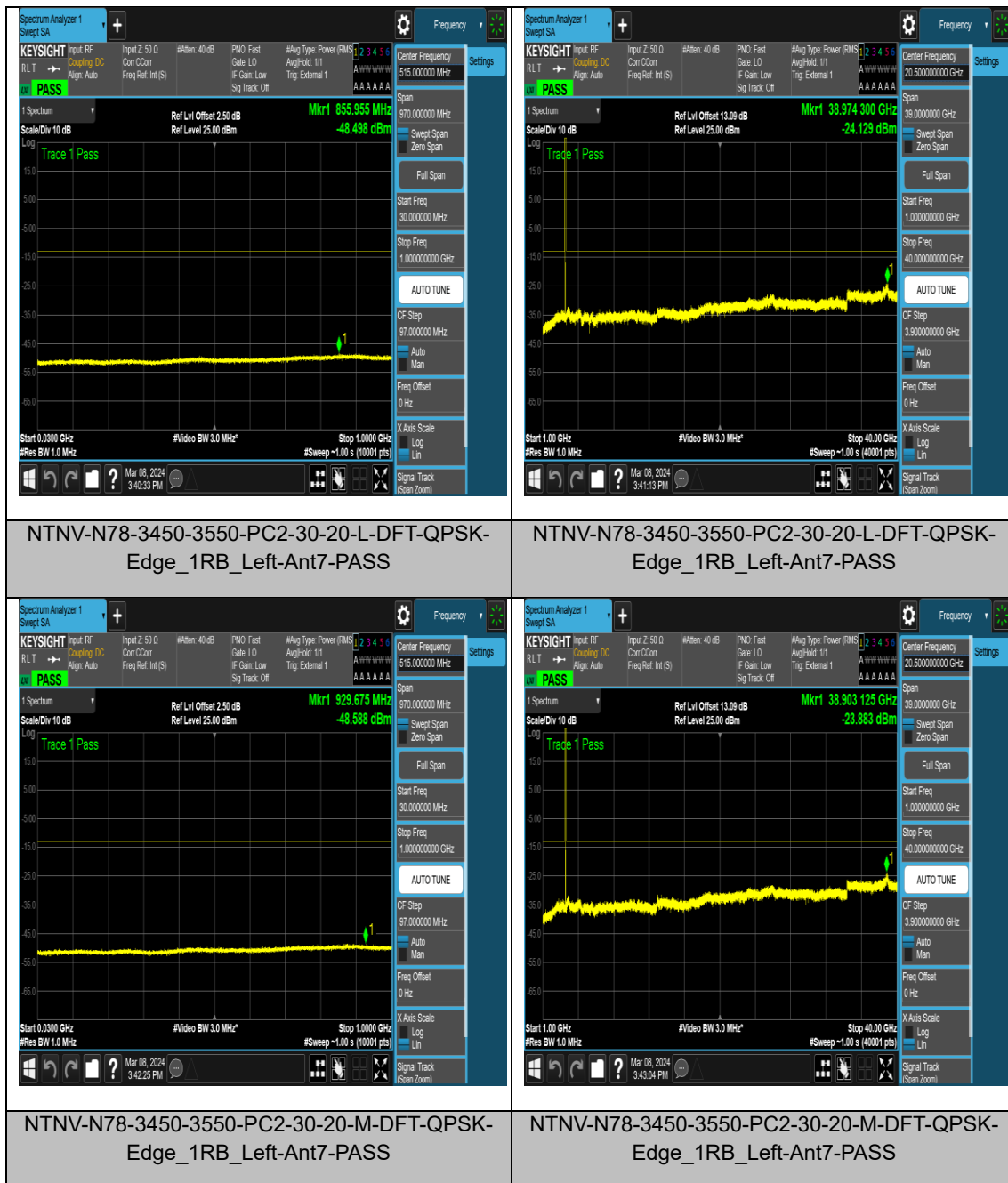
N78-3450-3550	30	60	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.83	-13	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.62	-13	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-24.11	-13	PASS



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Test Graphs



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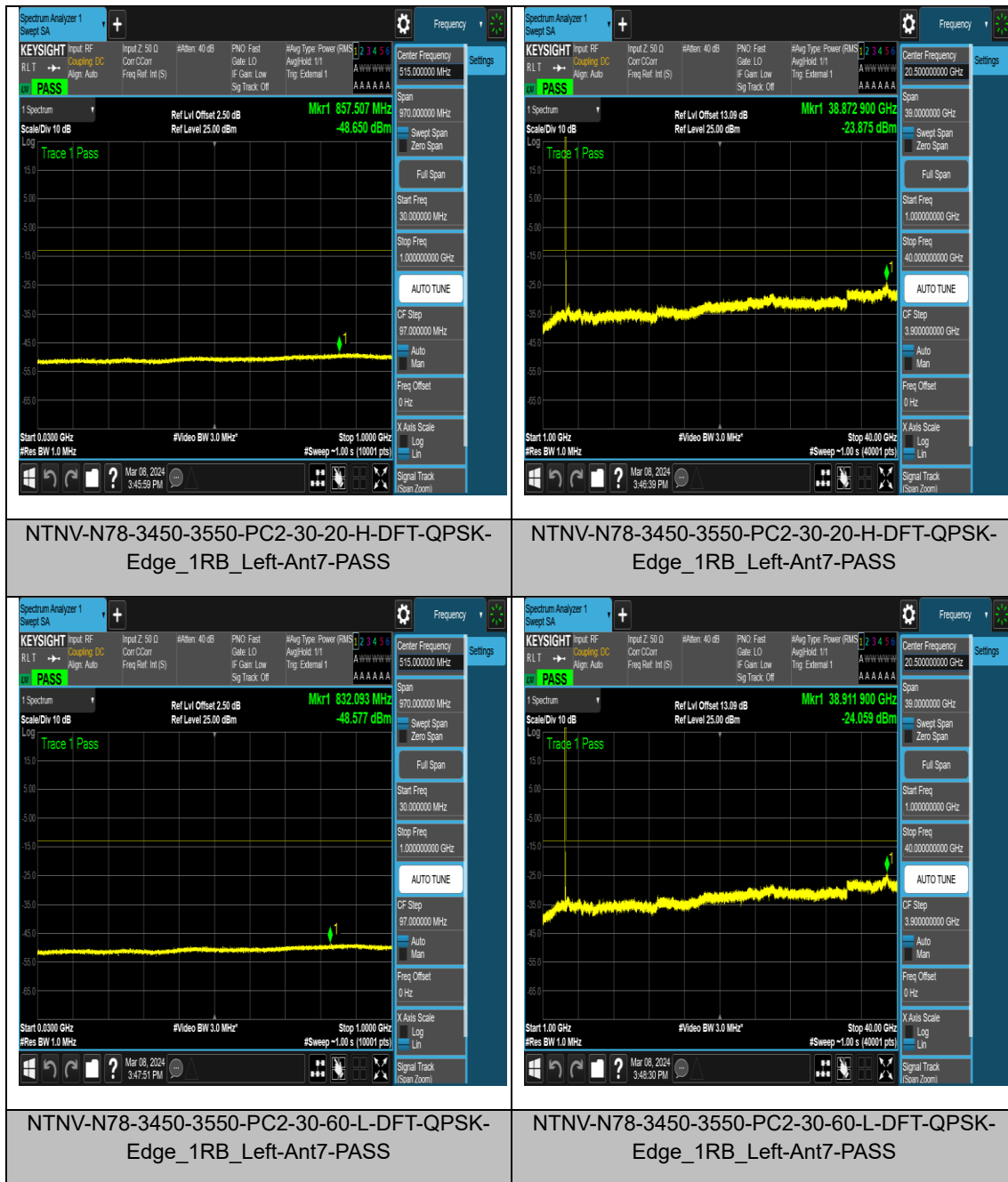
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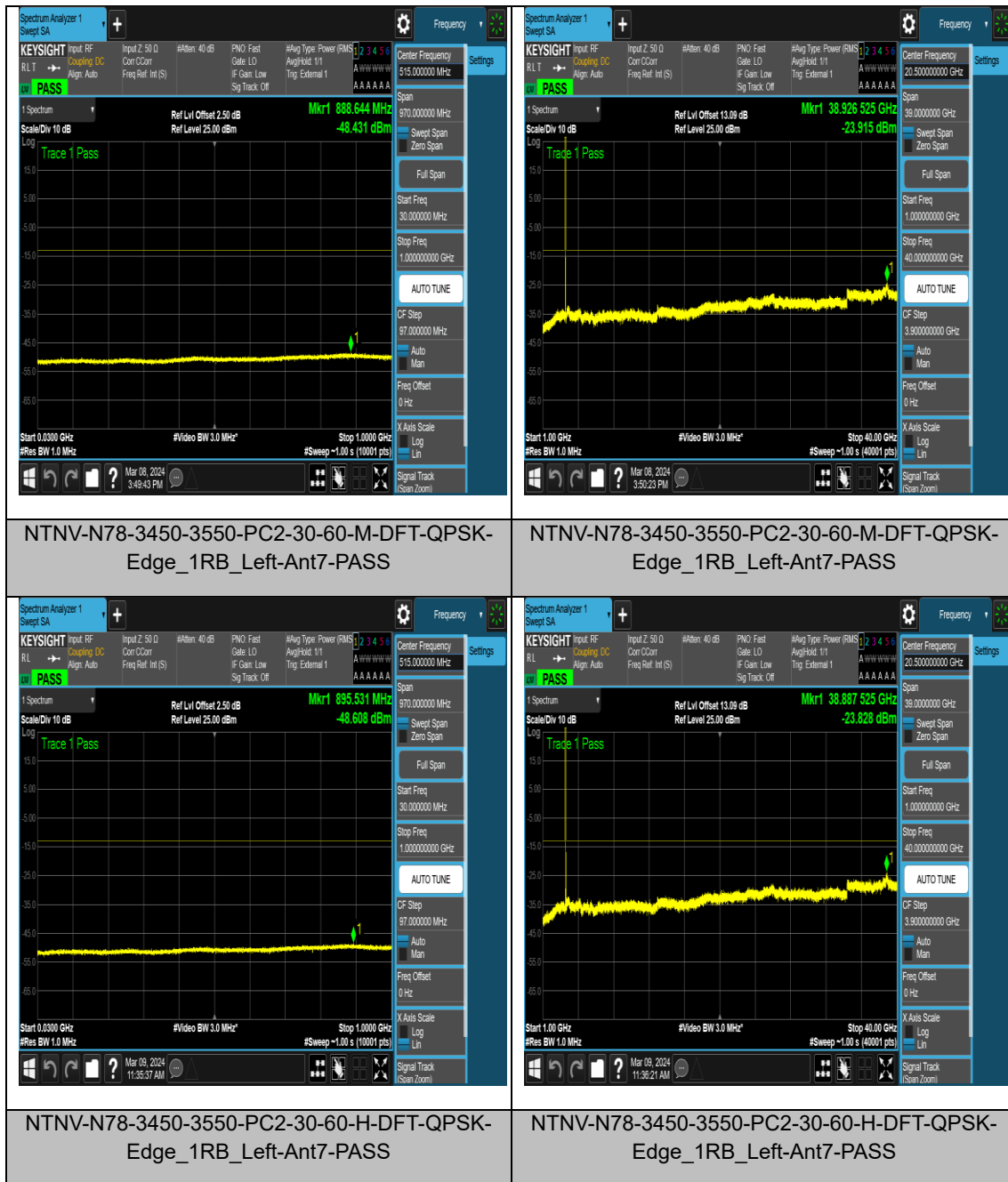
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Frequency Stability

Test Result

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VL	NT	4.000000	0.001156	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VN	NT	13.000000	0.003757	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VH	NT	6.000000	0.001734	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-30	1.000000	0.000289	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-20	3.000000	0.000867	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-10	2.000000	0.000578	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	0	18.000000	0.005202	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	10	5.000000	0.001445	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	20	19.000000	0.005491	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	30	1.000000	0.000289	PASS



N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	40	7.000000	0.002023	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	50	19.000000	0.005491	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VL	NT	16.000000	0.004571	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VN	NT	18.000000	0.005143	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VH	NT	2.000000	0.000571	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-30	11.000000	0.003143	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-20	13.000000	0.003714	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-10	16.000000	0.004571	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	0	18.000000	0.005143	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	10	14.000000	0.004000	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	20	9.000000	0.002571	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	30	11.000000	0.003143	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	40	13.000000	0.003714	PASS



N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	50	16.000000	0.004571	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VL	NT	8.000000	0.002260	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VN	NT	10.000000	0.002825	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VH	NT	3.000000	0.000847	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-30	9.000000	0.002542	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-20	19.000000	0.005367	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-10	13.000000	0.003672	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	0	12.000000	0.003390	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	10	14.000000	0.003955	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	20	16.000000	0.004520	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	30	3.000000	0.000847	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	40	3.000000	0.000847	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	50	5.000000	0.001412	PASS



N77_UL_MIMO-3700-3980

Peak-to-Average Ratio(CCDF)

Test Result-Ant7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	CP-QPSK	L	Outer_Full	7.40	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	L	Edge_1RB_Left	7.40	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	6.91	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Edge_1RB_Left	6.91	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Outer_Full	8.00	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Edge_1RB_Left	7.04	≤13	PASS

Test Result-Ant1

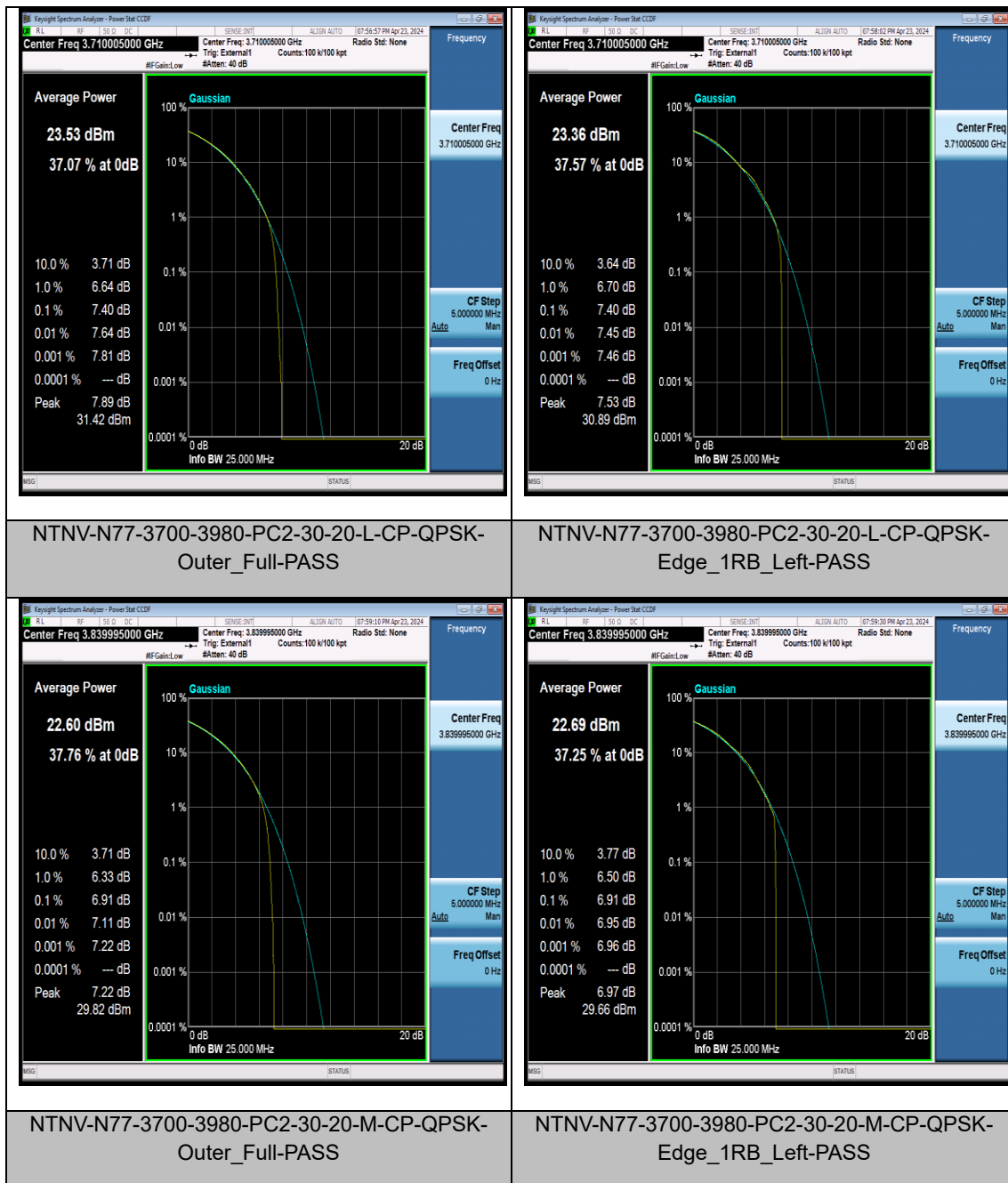
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	CP-QPSK	L	Outer_Full	8.11	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	L	Edge_1RB_Left	6.40	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	7.78	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Edge_1RB_Left	6.08	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Outer_Full	7.85	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Edge_1RB_Left	6.57	≤13	PASS



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Test Graphs-Ant7



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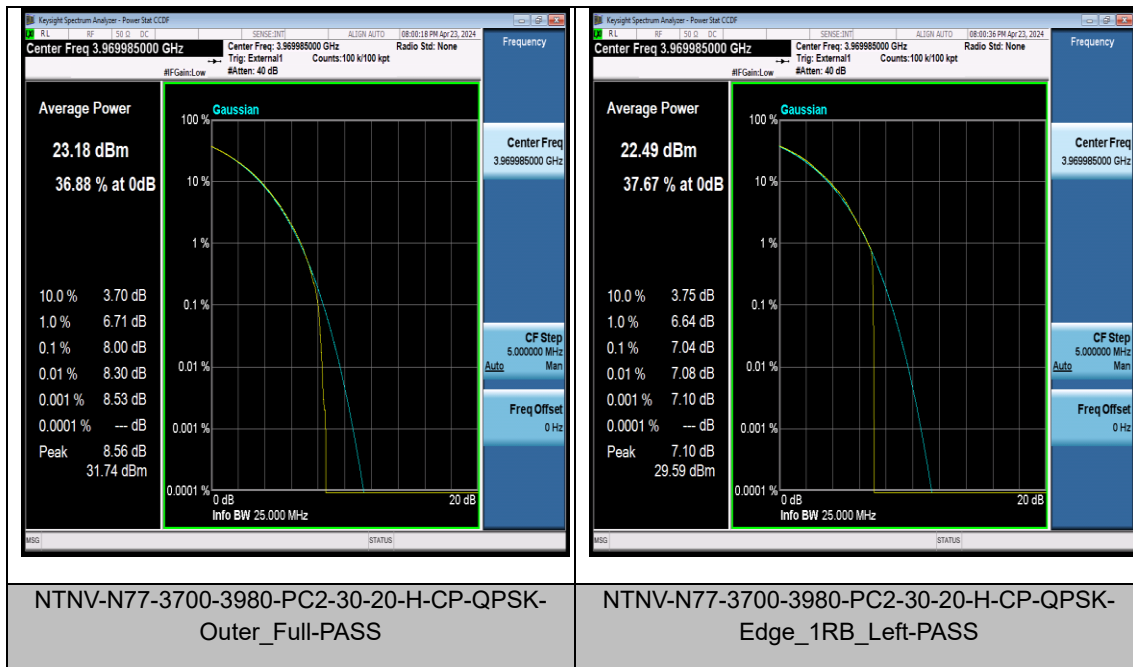
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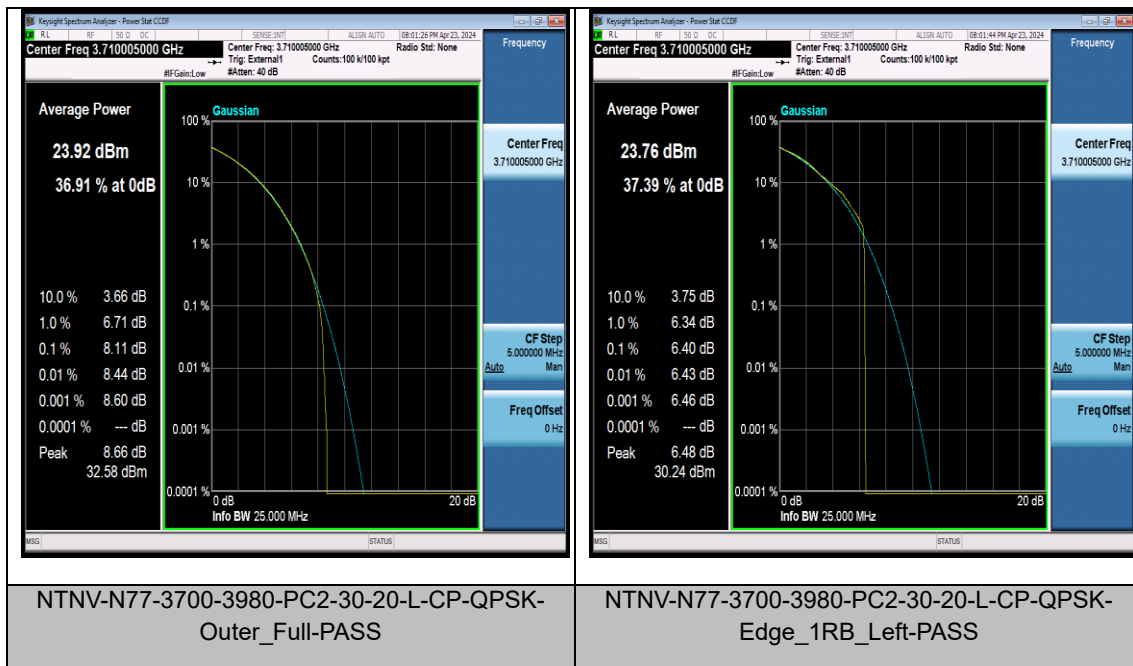


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Test Graphs-Ant1



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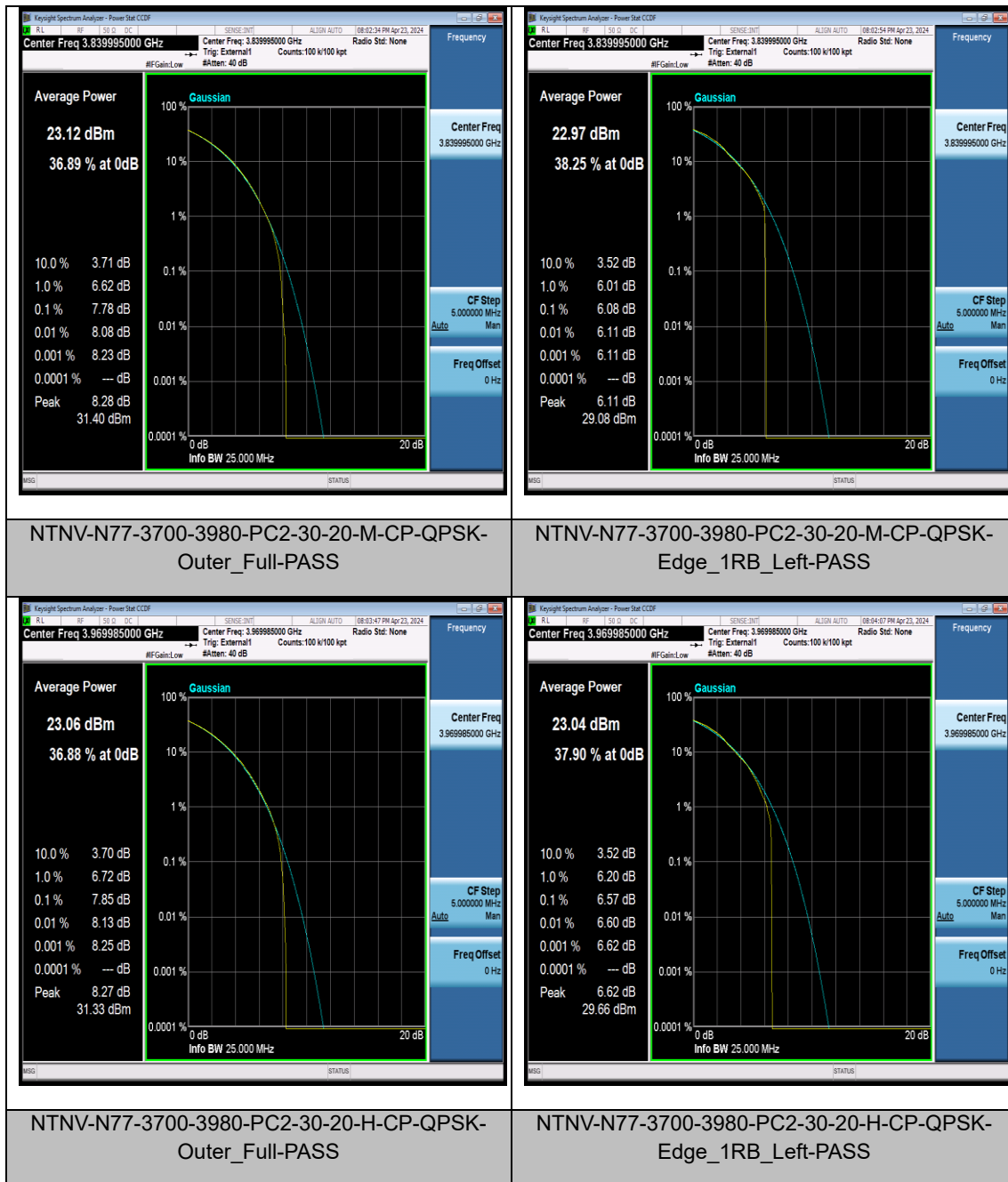
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26dB Bandwidth and Occupied Bandwidth

Test Result-Ant7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	18.224	19.71	PASS
N77-3700-3980	30	20	CP-16QAM	M	Outer_Full	18.254	19.79	PASS
N77-3700-3980	30	20	CP-64QAM	M	Outer_Full	18.210	19.57	PASS
N77-3700-3980	30	20	CP-256QAM	M	Outer_Full	18.239	19.74	PASS
N77-3700-3980	30	30	CP-QPSK	M	Outer_Full	27.847	29.50	PASS
N77-3700-3980	30	30	CP-16QAM	M	Outer_Full	27.856	29.68	PASS
N77-3700-3980	30	30	CP-64QAM	M	Outer_Full	27.858	29.59	PASS
N77-3700-3980	30	30	CP-256QAM	M	Outer_Full	27.838	29.39	PASS
N77-3700-3980	30	40	CP-QPSK	M	Outer_Full	37.778	39.60	PASS
N77-3700-3980	30	40	CP-16QAM	M	Outer_Full	37.791	39.68	PASS
N77-3700-3980	30	40	CP-64QAM	M	Outer_Full	37.862	39.74	PASS
N77-3700-3980	30	40	CP-256QAM	M	Outer_Full	37.822	39.47	PASS
N77-3700-3980	30	60	CP-QPSK	M	Outer_Full	57.817	60.39	PASS
N77-3700-3980	30	60	CP-16QAM	M	Outer_Full	57.827	60.16	PASS
N77-3700-3980	30	60	CP-64QAM	M	Outer_Full	57.793	60.14	PASS



N77-3700-3980	30	60	CP-256QAM	M	Outer_Full	57.786	60.27	PASS
N77-3700-3980	30	80	CP-QPSK	M	Outer_Full	77.334	80.36	PASS
N77-3700-3980	30	80	CP-16QAM	M	Outer_Full	77.326	80.30	PASS
N77-3700-3980	30	80	CP-64QAM	M	Outer_Full	77.273	80.22	PASS
N77-3700-3980	30	80	CP-256QAM	M	Outer_Full	77.265	80.15	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	97.316	100.6	PASS
N77-3700-3980	30	100	CP-16QAM	M	Outer_Full	97.300	100.4	PASS
N77-3700-3980	30	100	CP-64QAM	M	Outer_Full	97.299	100.5	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	97.270	100.8	PASS

Test Result-Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	18.195	19.45	PASS
N77-3700-3980	30	20	CP-16QAM	M	Outer_Full	18.160	19.38	PASS
N77-3700-3980	30	20	CP-64QAM	M	Outer_Full	18.186	19.49	PASS
N77-3700-3980	30	20	CP-256QAM	M	Outer_Full	18.192	19.41	PASS
N77-3700-3980	30	30	CP-QPSK	M	Outer_Full	27.877	29.41	PASS



N77-3700-3980	30	30	CP-16QAM	M	Outer_Full	27.845	29.38	PASS
N77-3700-3980	30	30	CP-64QAM	M	Outer_Full	27.868	29.61	PASS
N77-3700-3980	30	30	CP-256QAM	M	Outer_Full	27.796	29.28	PASS
N77-3700-3980	30	40	CP-QPSK	M	Outer_Full	37.795	39.47	PASS
N77-3700-3980	30	40	CP-16QAM	M	Outer_Full	37.821	39.62	PASS
N77-3700-3980	30	40	CP-64QAM	M	Outer_Full	37.731	39.55	PASS
N77-3700-3980	30	40	CP-256QAM	M	Outer_Full	37.809	39.66	PASS
N77-3700-3980	30	60	CP-QPSK	M	Outer_Full	57.762	60.32	PASS
N77-3700-3980	30	60	CP-16QAM	M	Outer_Full	57.826	60.46	PASS
N77-3700-3980	30	60	CP-64QAM	M	Outer_Full	57.841	60.15	PASS
N77-3700-3980	30	60	CP-256QAM	M	Outer_Full	57.748	60.46	PASS
N77-3700-3980	30	80	CP-QPSK	M	Outer_Full	77.449	80.32	PASS
N77-3700-3980	30	80	CP-16QAM	M	Outer_Full	77.250	80.09	PASS



N77-3700-3980	30	80	CP-64QAM	M	Outer_Full	77.330	80.29	PASS
N77-3700-3980	30	80	CP-256QAM	M	Outer_Full	77.296	80.15	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	97.239	101.2	PASS
N77-3700-3980	30	100	CP-16QAM	M	Outer_Full	97.486	100.6	PASS
N77-3700-3980	30	100	CP-64QAM	M	Outer_Full	97.409	100.5	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	97.433	100.6	PASS