

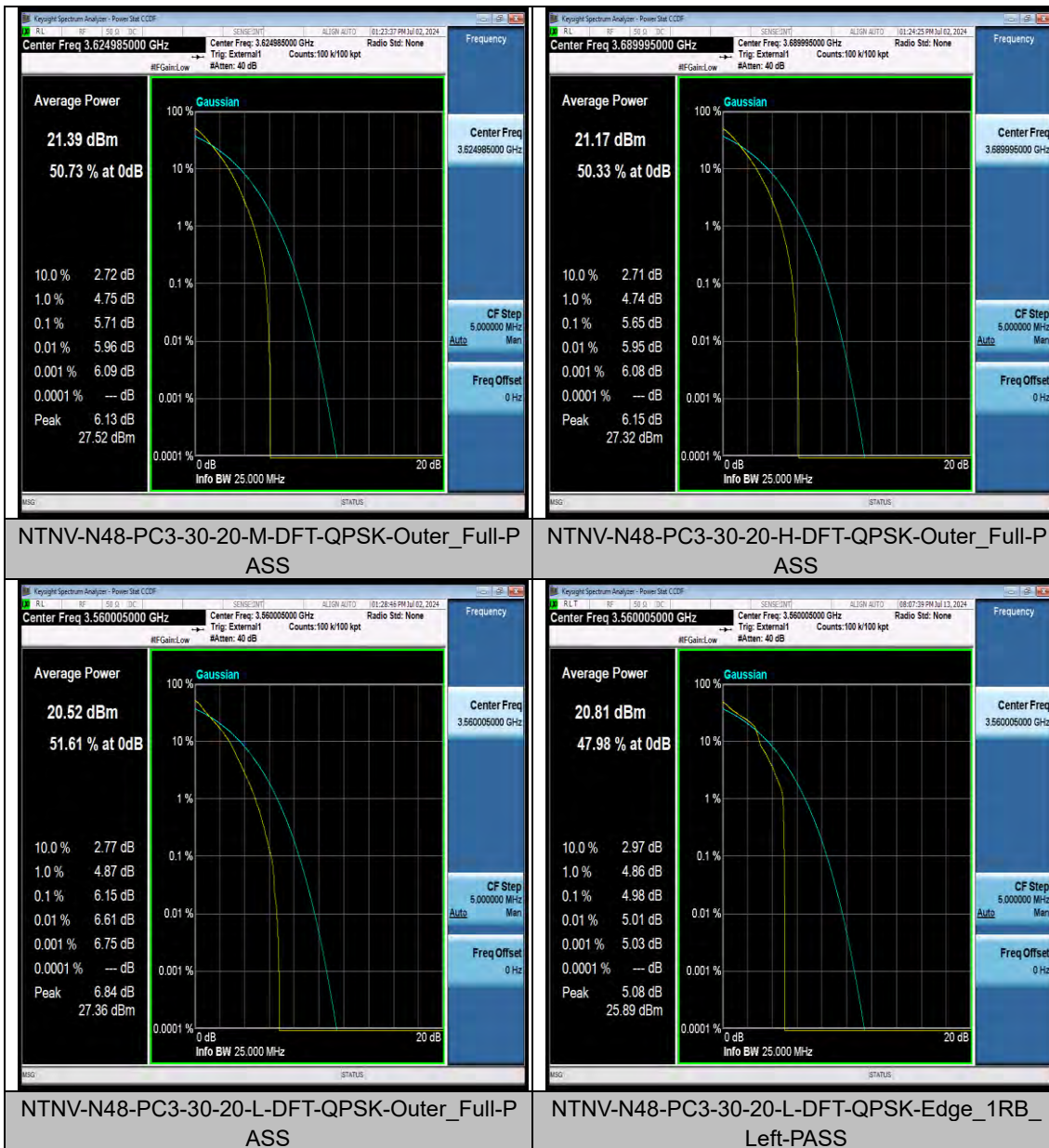
APPENDIX D

N48 PEAK-TO-AVERAGE RATIO(CCDF)

TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N48	30	20	DFT-QPSK	M	Outer_Full	5.71	≤13	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	5.65	≤13	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	6.15	≤13	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	4.98	≤13	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	4.33	≤13	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	4.47	≤13	PASS

TEST GRAPHS





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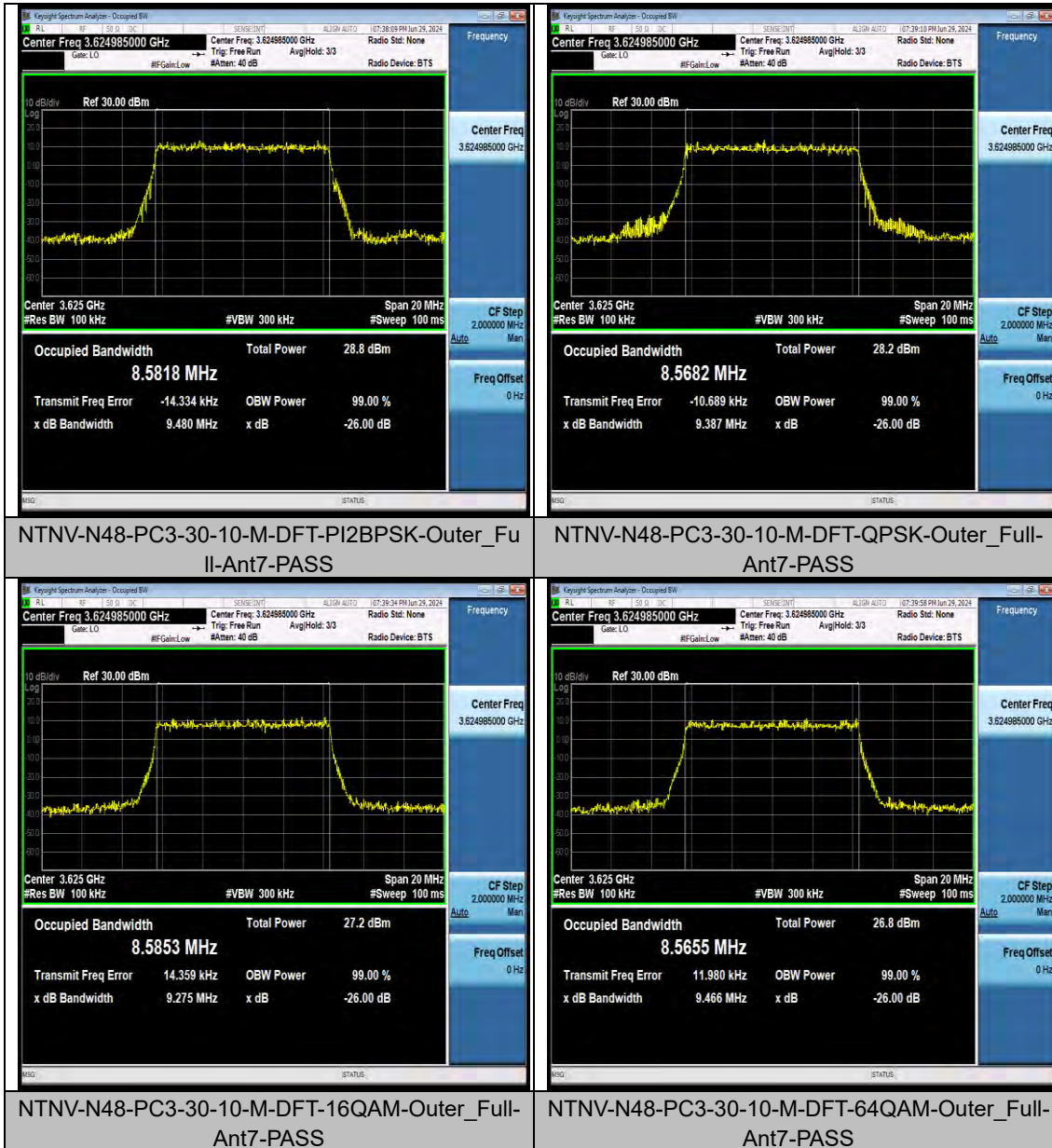
Reference No.: W7L-P24050018RF12



26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N48	30	10	DFT-PI2BPSK	M	Outer_Full	8.5818	9.480	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	8.5682	9.387	PASS
N48	30	10	DFT-16QAM	M	Outer_Full	8.5853	9.275	PASS
N48	30	10	DFT-64QAM	M	Outer_Full	8.5655	9.466	PASS
N48	30	10	DFT-256QAM	M	Outer_Full	8.5508	9.374	PASS
N48	30	20	DFT-PI2BPSK	M	Outer_Full	17.792	18.88	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	17.772	18.89	PASS
N48	30	20	DFT-16QAM	M	Outer_Full	17.853	18.98	PASS
N48	30	20	DFT-64QAM	M	Outer_Full	17.797	19.04	PASS
N48	30	20	DFT-256QAM	M	Outer_Full	17.809	18.90	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	35.667	37.40	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	35.738	37.20	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	35.761	37.22	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	35.760	37.30	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	35.738	37.41	PASS

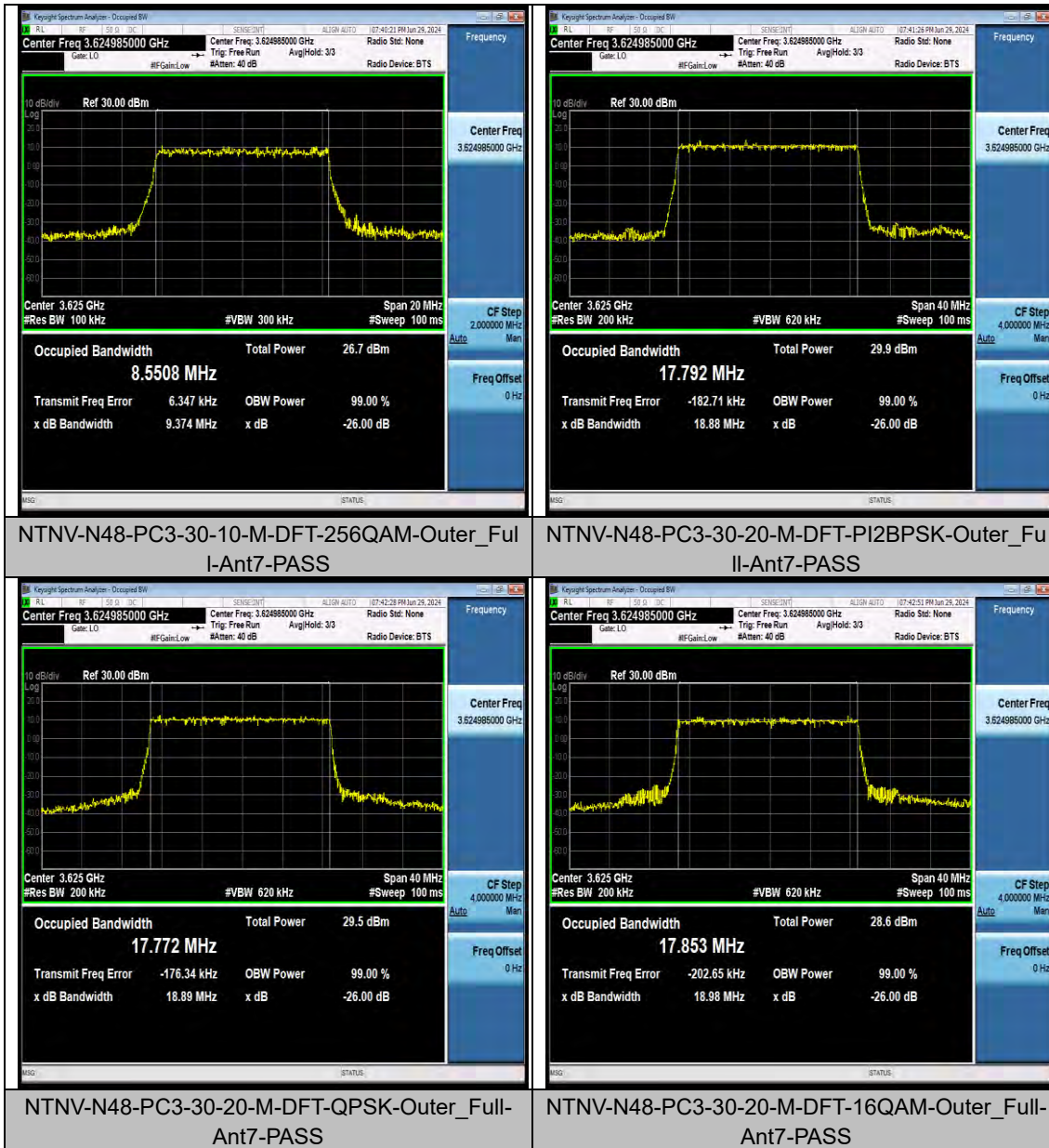
TEST GRAPHS





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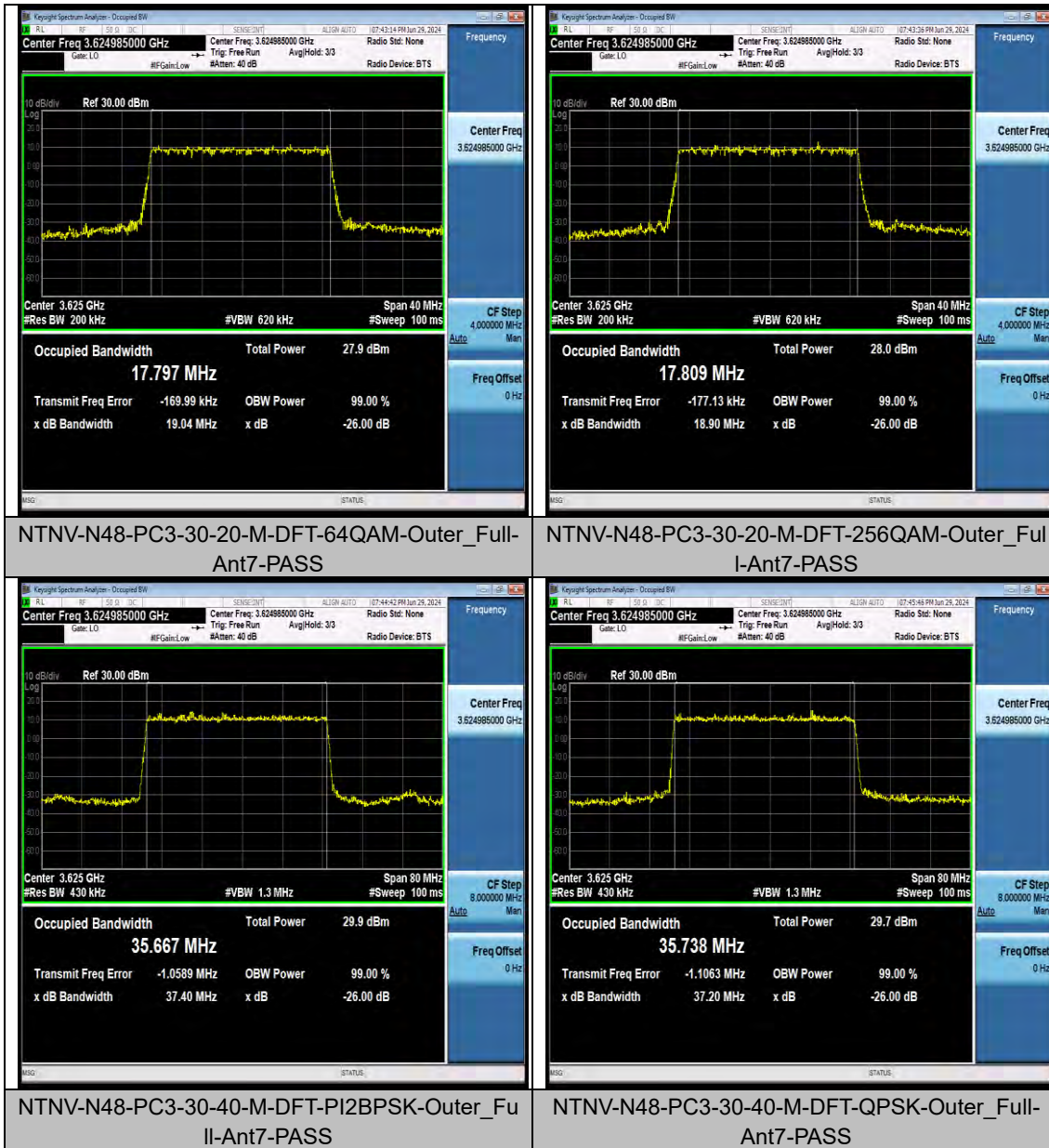
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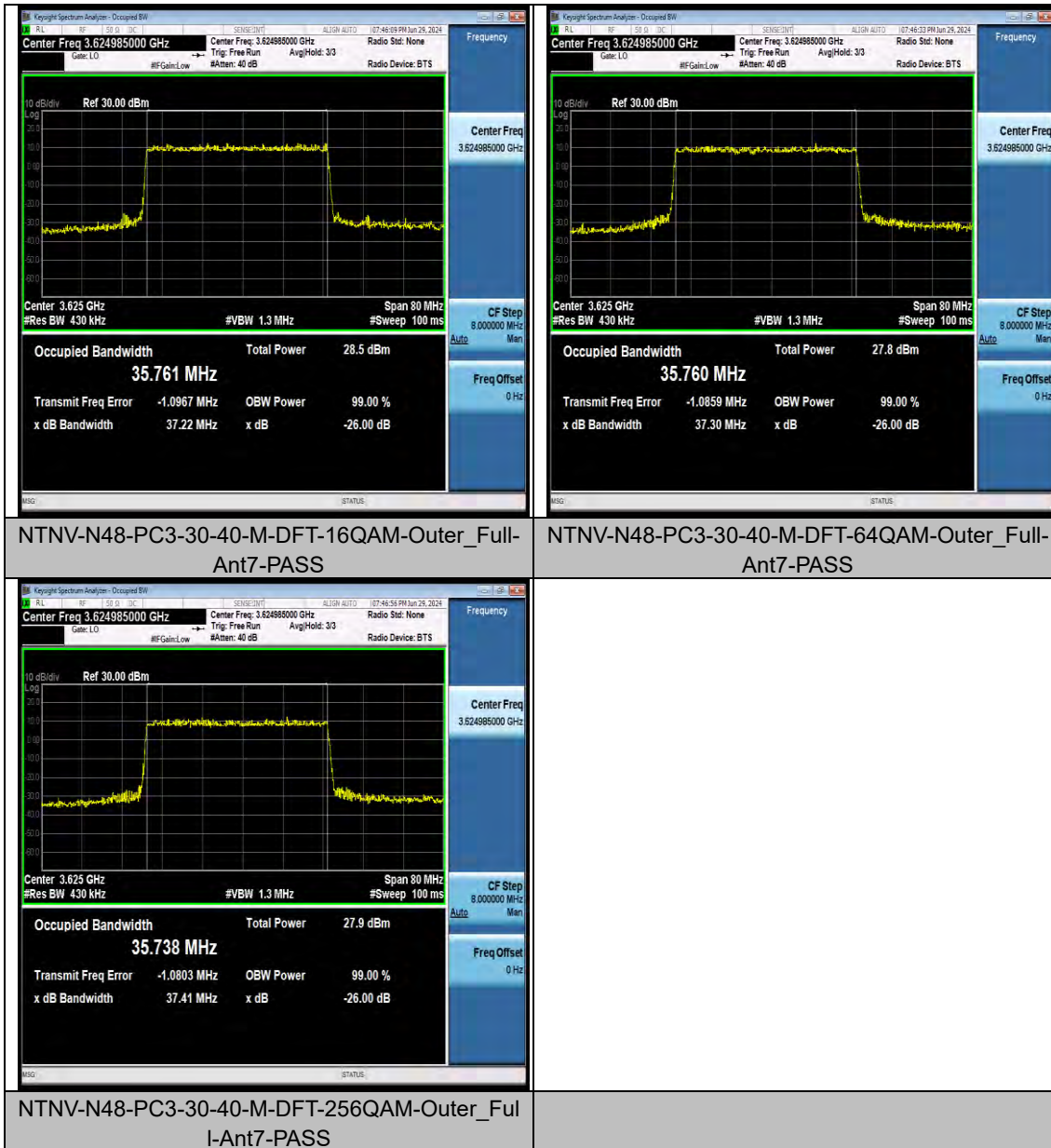
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VERITAS

Reference No.: W7L-P24050018RF12



ACLR FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N48	30	10	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-PI2BPSK	L	Outer_Full	≤-30	PASS
N48	30	20	DFT-PI2BPSK	L	Outer_Full	≤-30	PASS
N48	30	20	DFT-PI2BPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-PI2BPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-PI2BPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-PI2BPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS

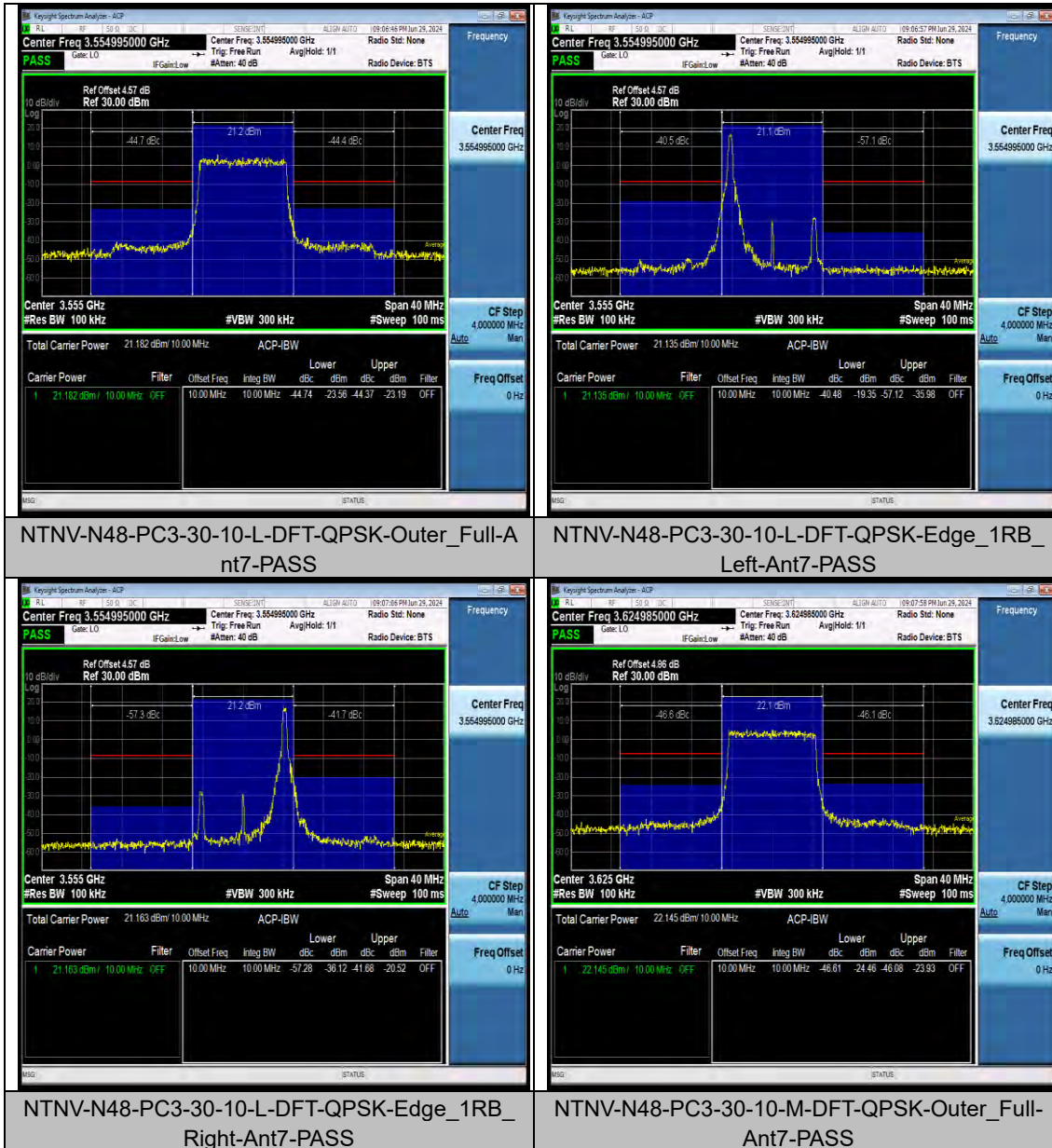


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Reference No.: W7L-P24050018RF12

N48	30	40	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS

TEST GRAPHS

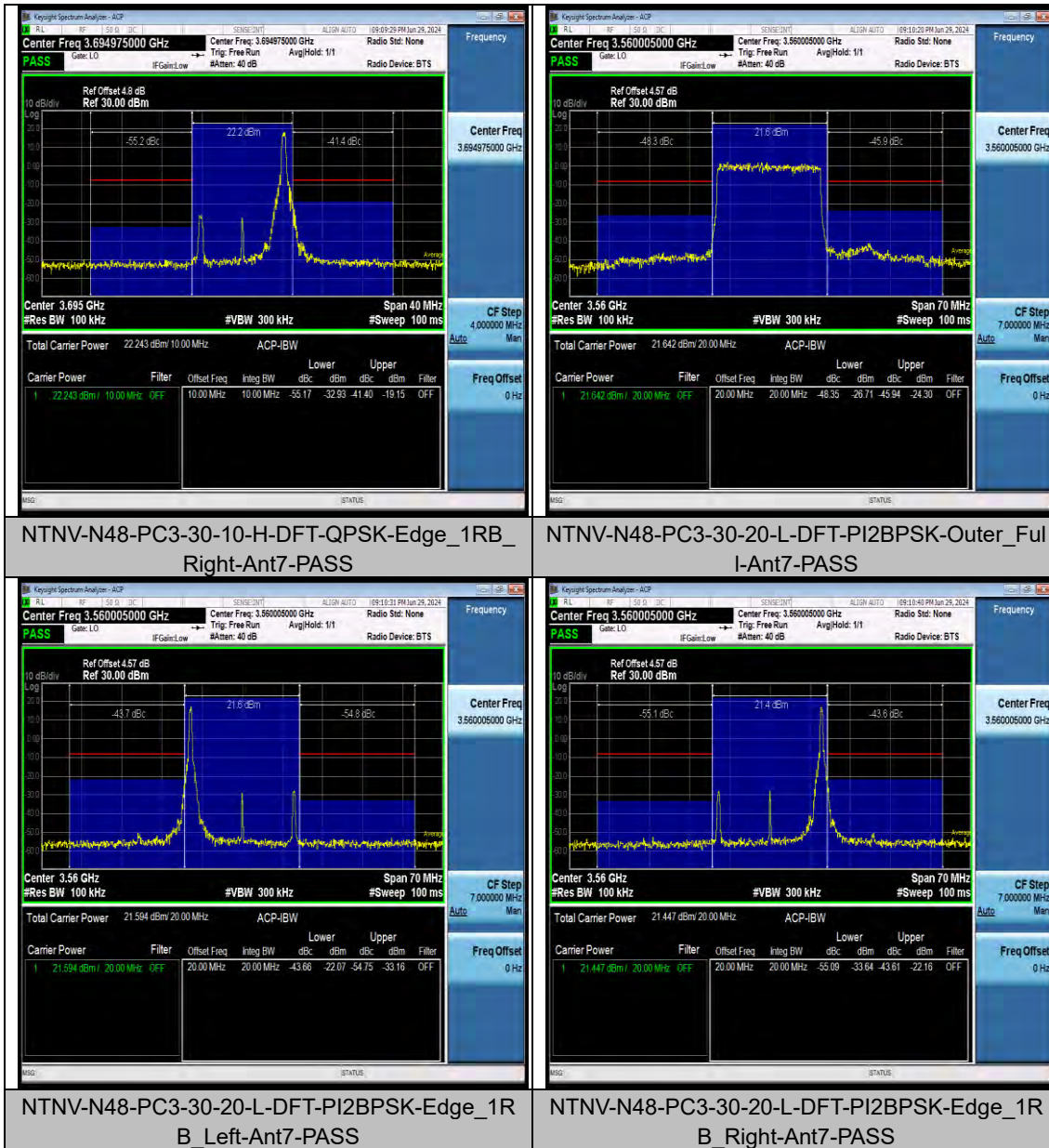






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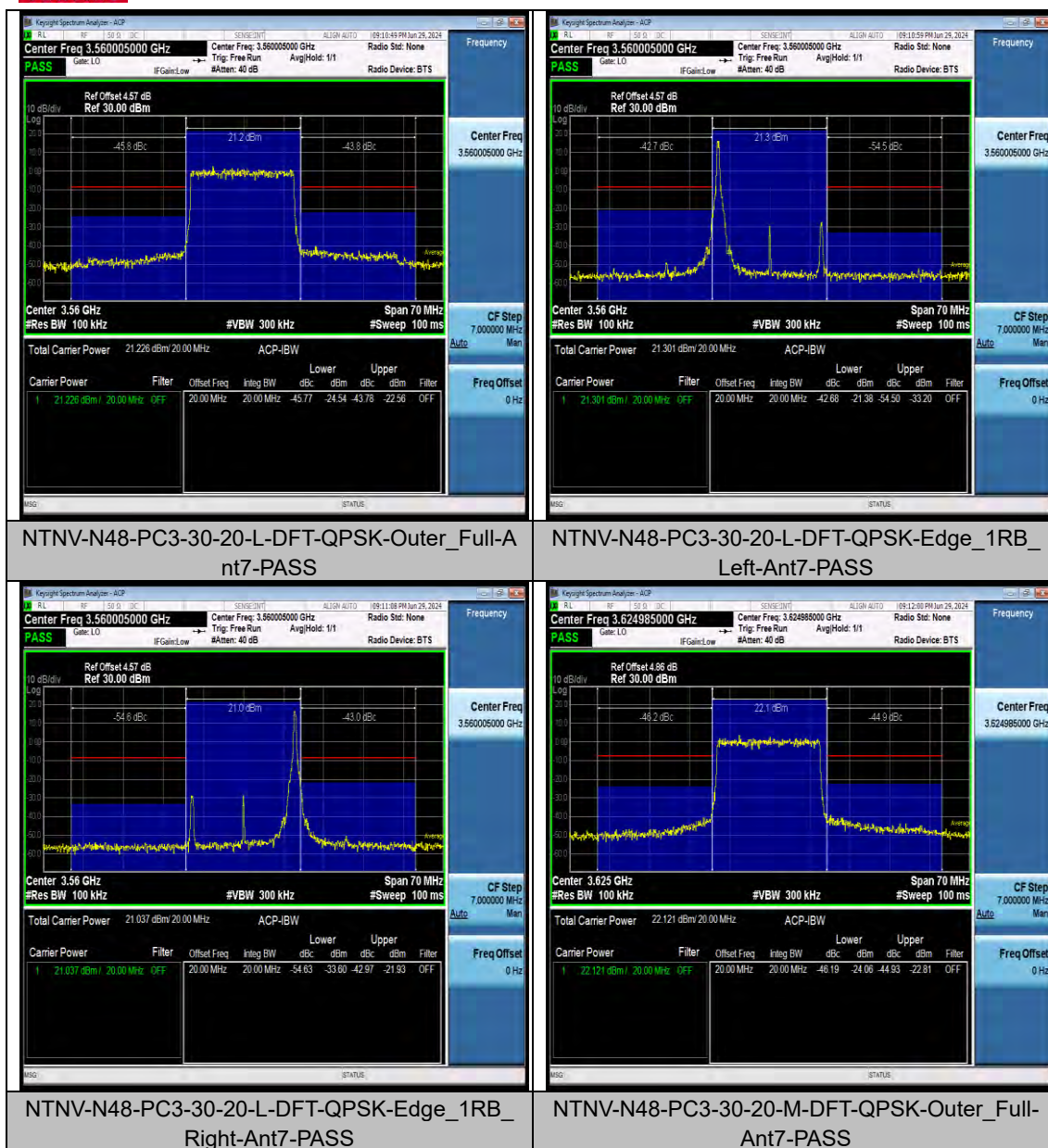
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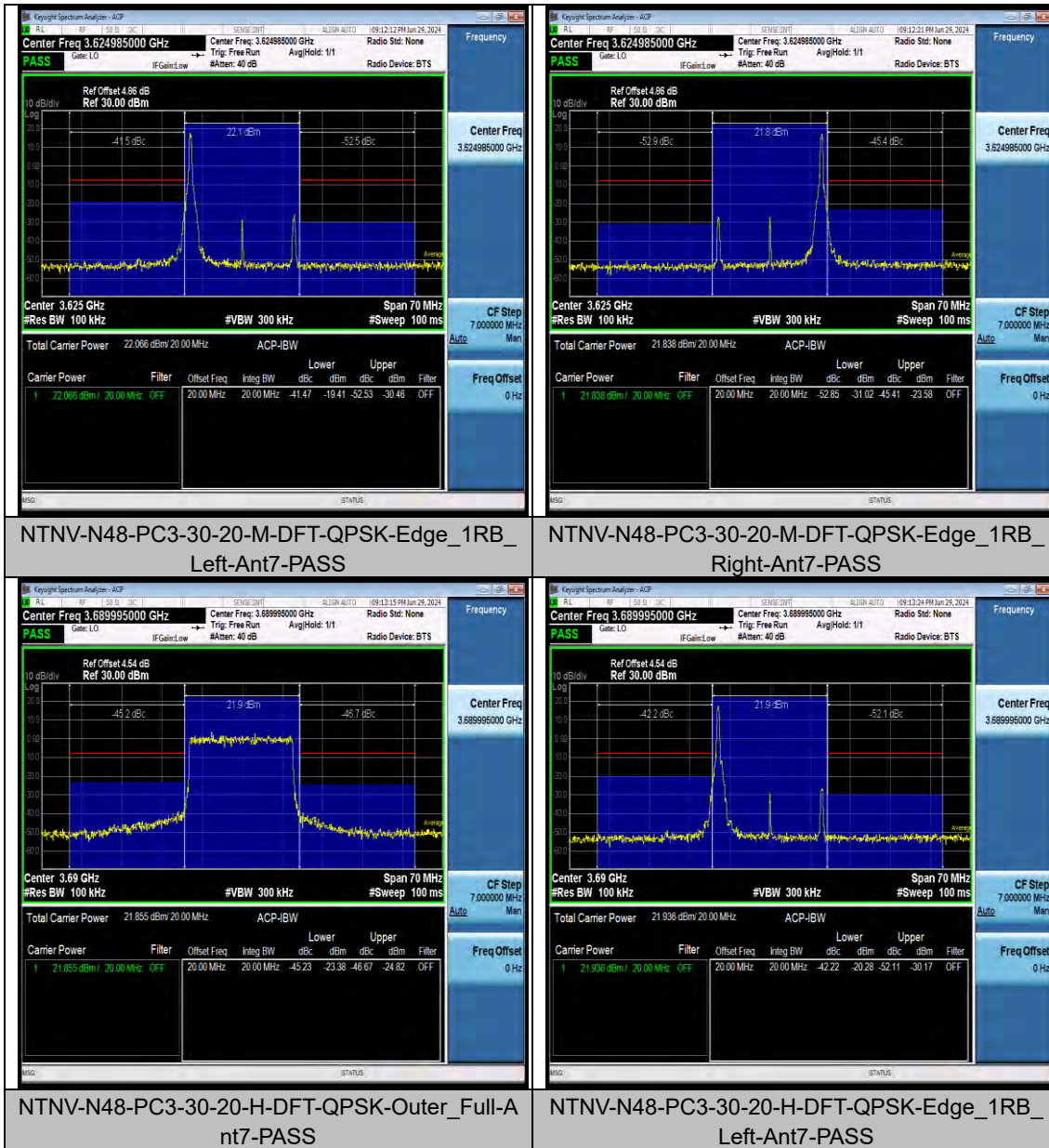
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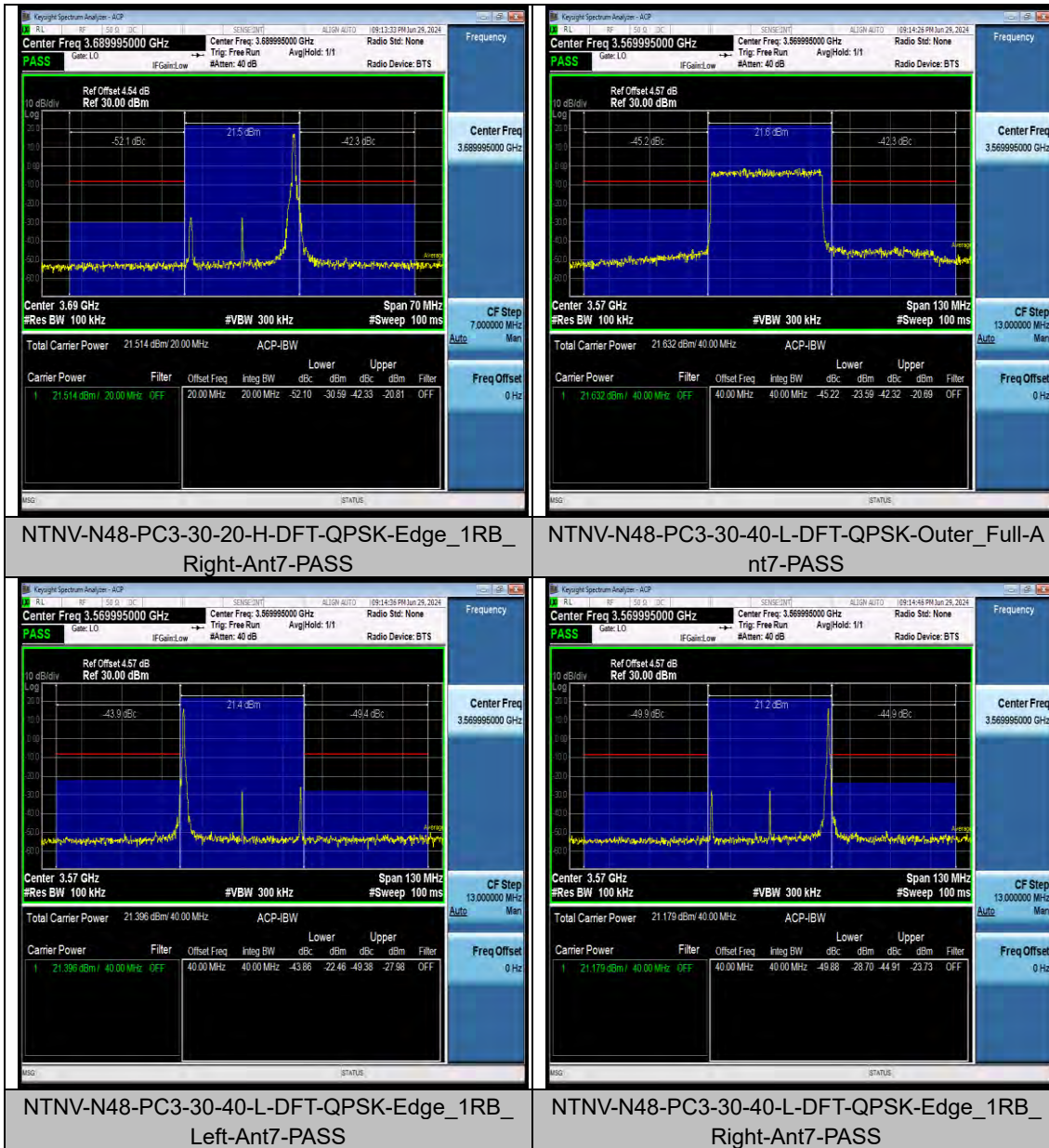
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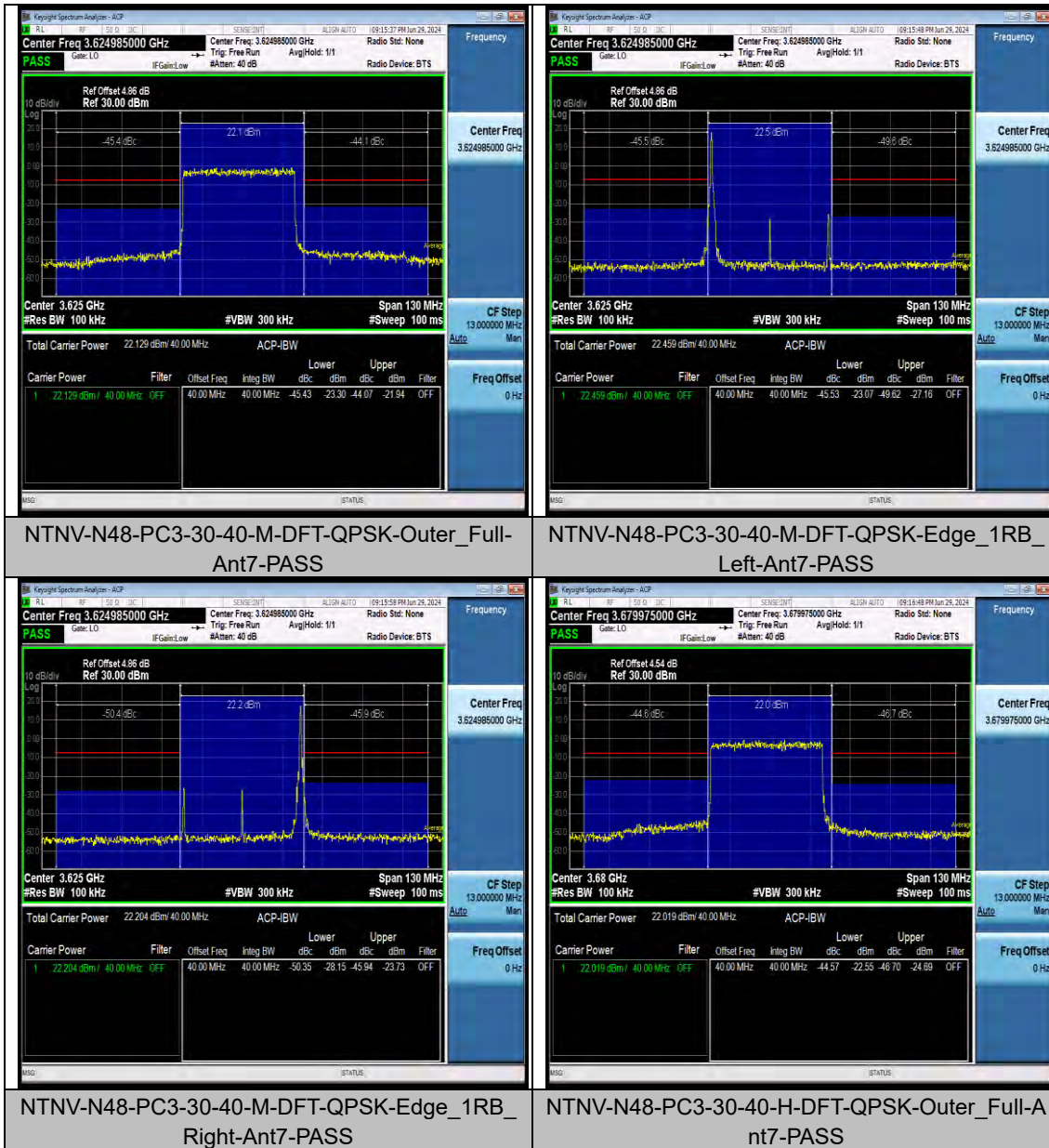
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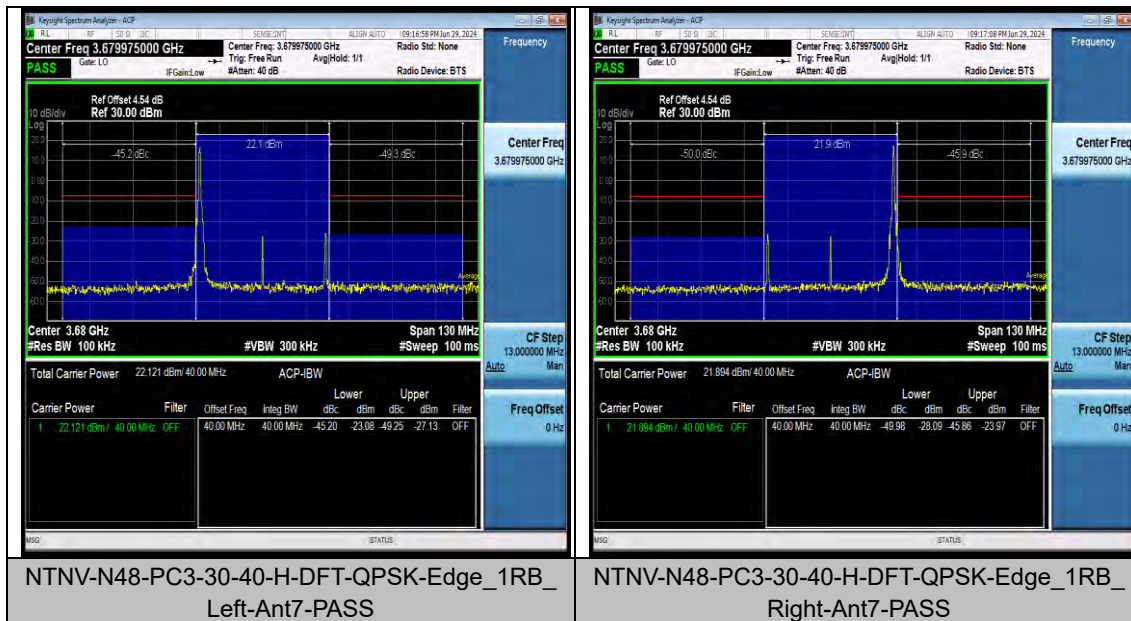
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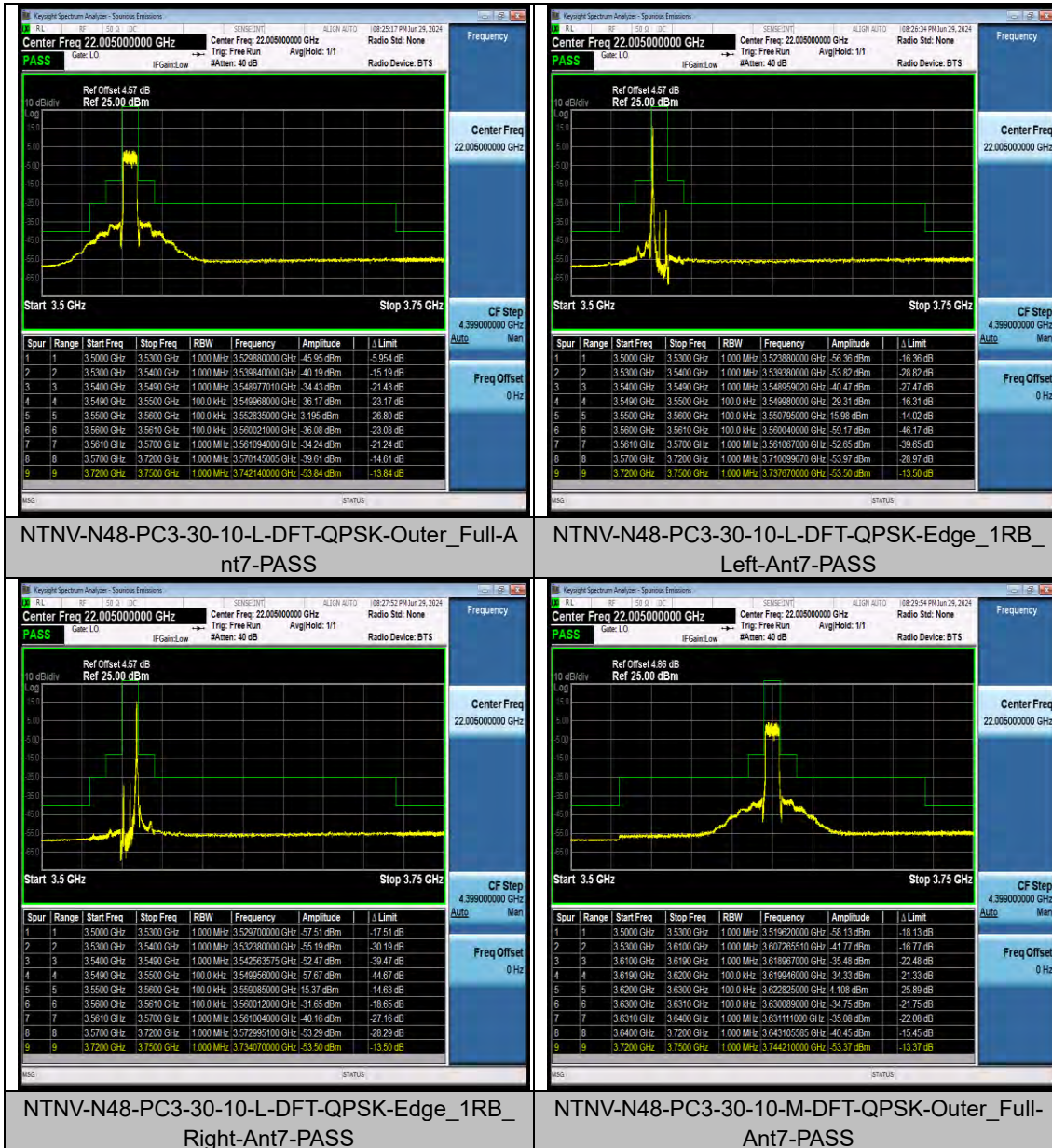
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BAND EDGE FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N48	30	10	DFT-QPSK	L	Outer_Full	-45.95	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Left	-53.50	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Right	-53.50	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	-53.37	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Left	-53.27	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Right	-53.41	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	-46.55	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Left	-53.47	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Right	-52.50	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	-43.74	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	-53.85	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Right	-53.78	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	-53.47	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	-53.47	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Right	-53.40	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	-44.70	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	-53.73	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Right	-53.08	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	-43.67	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	-53.01	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Right	-53.77	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	-49.71	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	-53.55	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Right	-53.50	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	-46.04	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	-52.91	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Right	-52.78	PASS

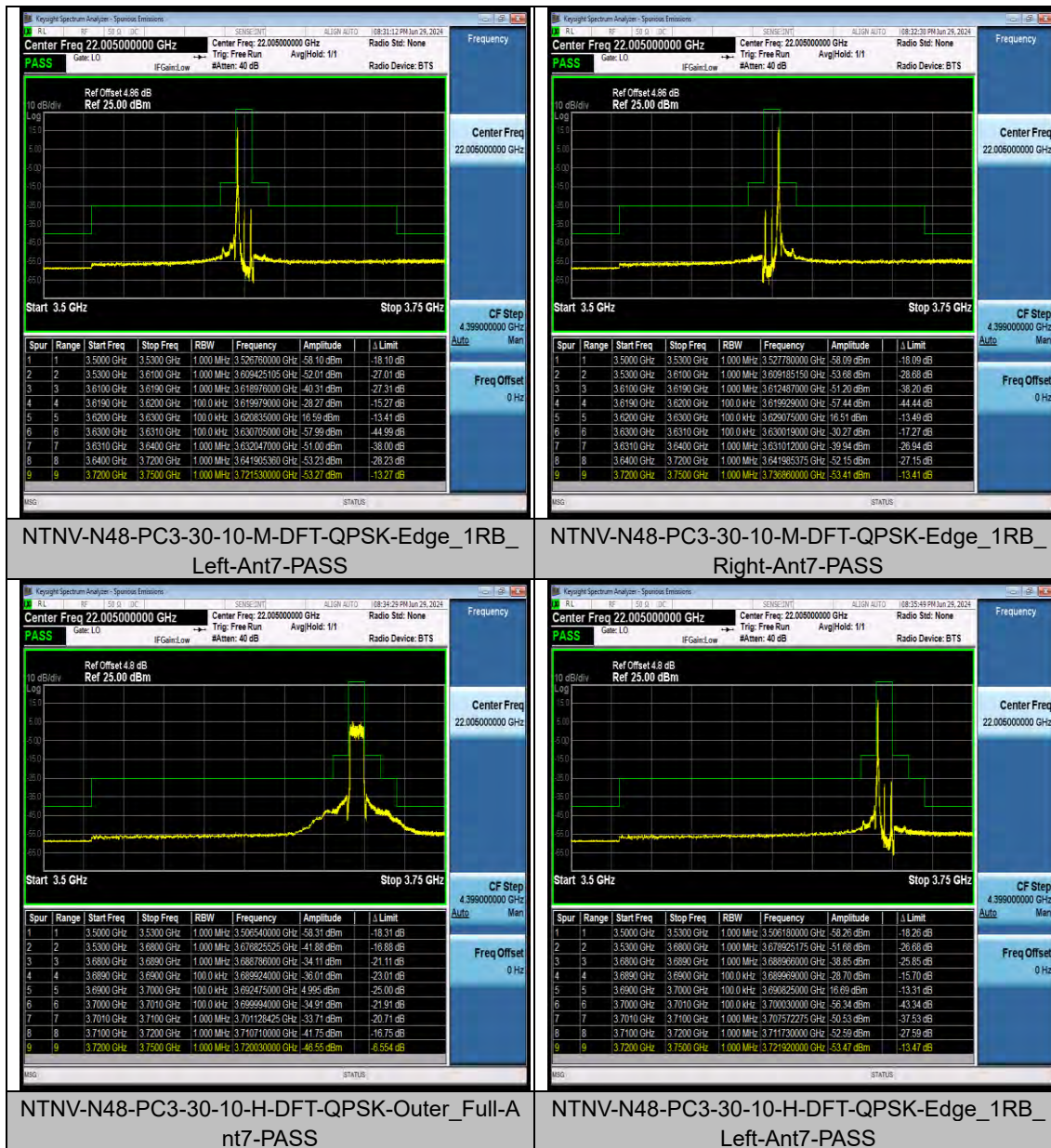
TEST GRAPHS





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VERITAS

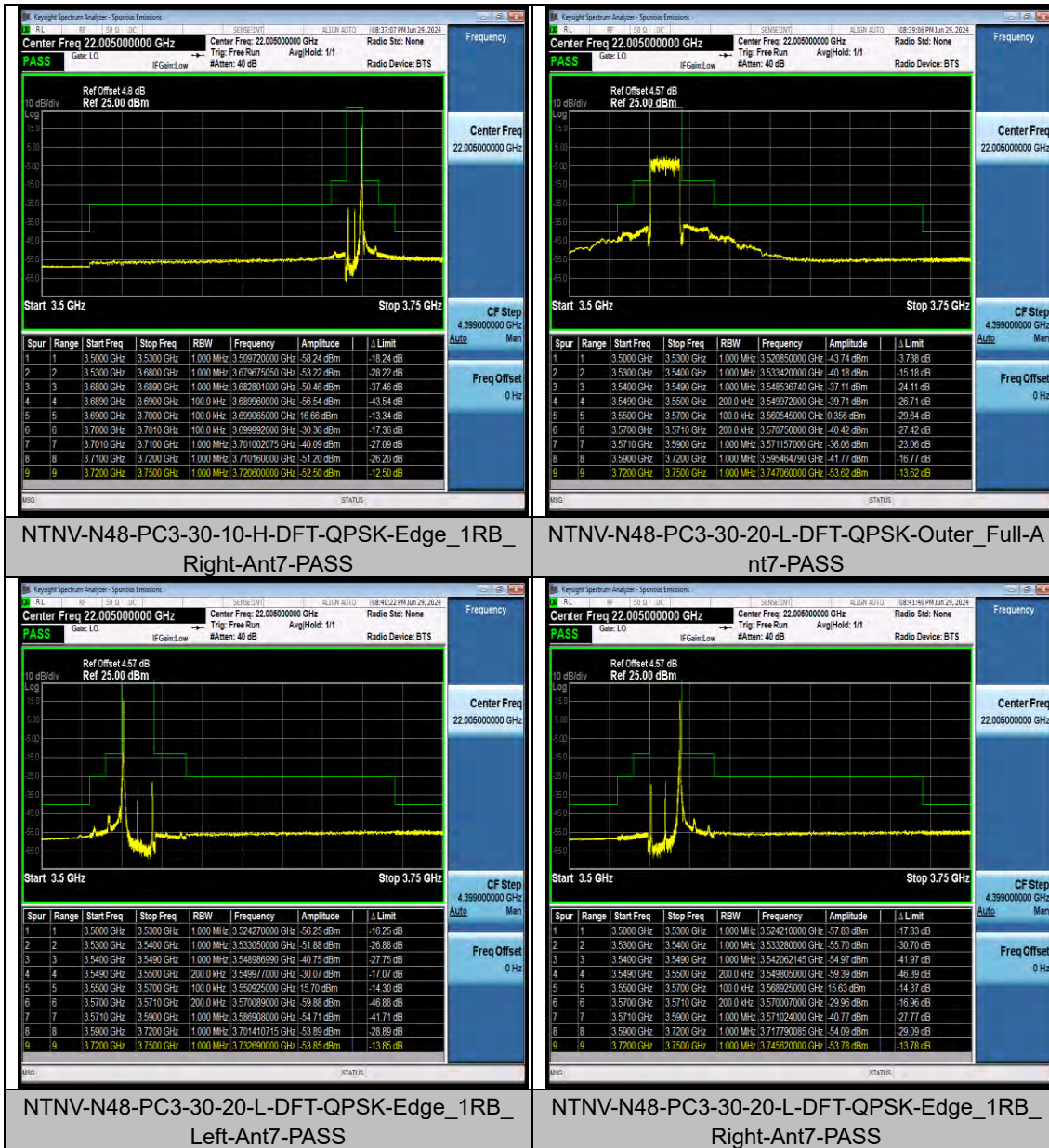
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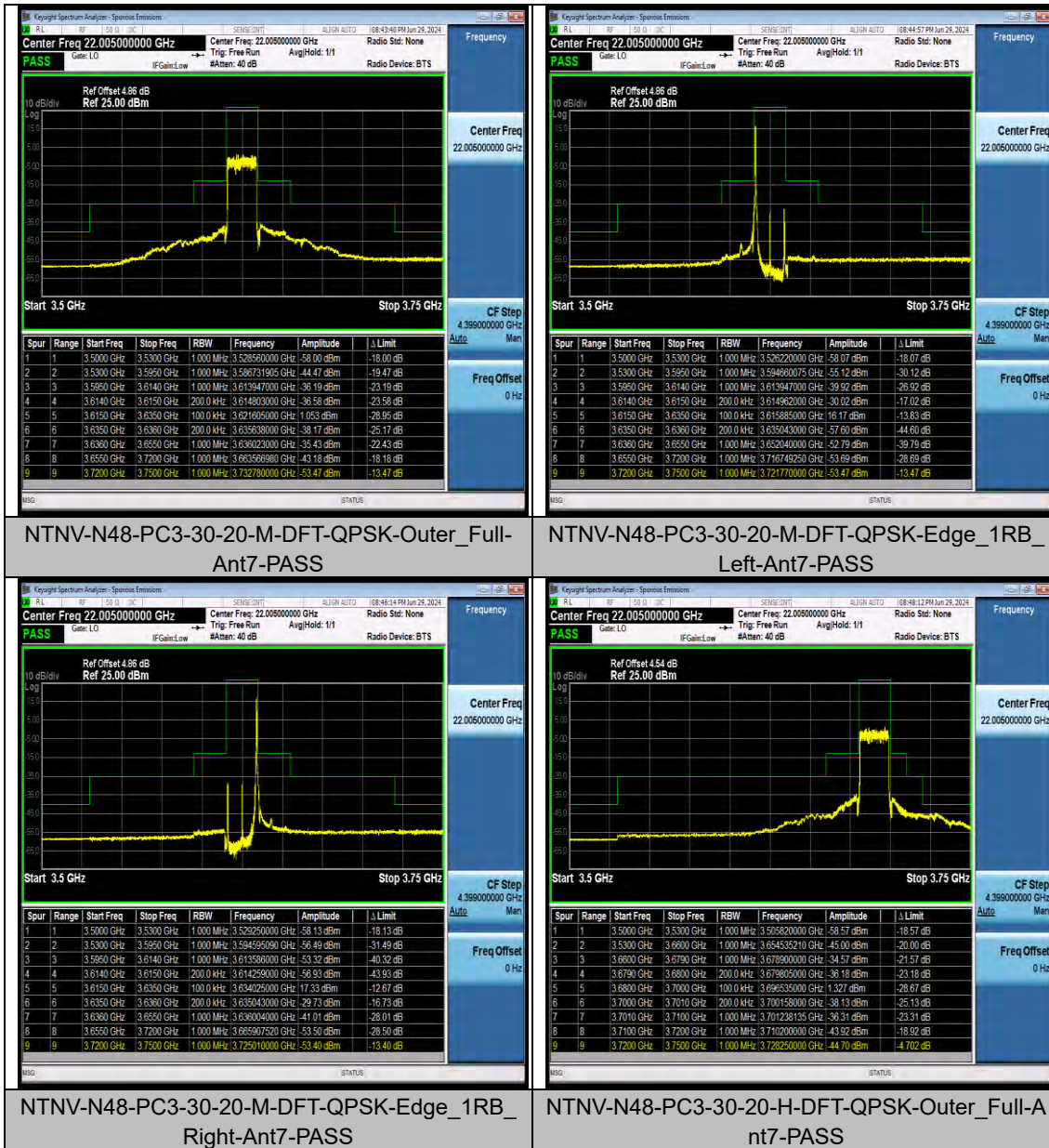
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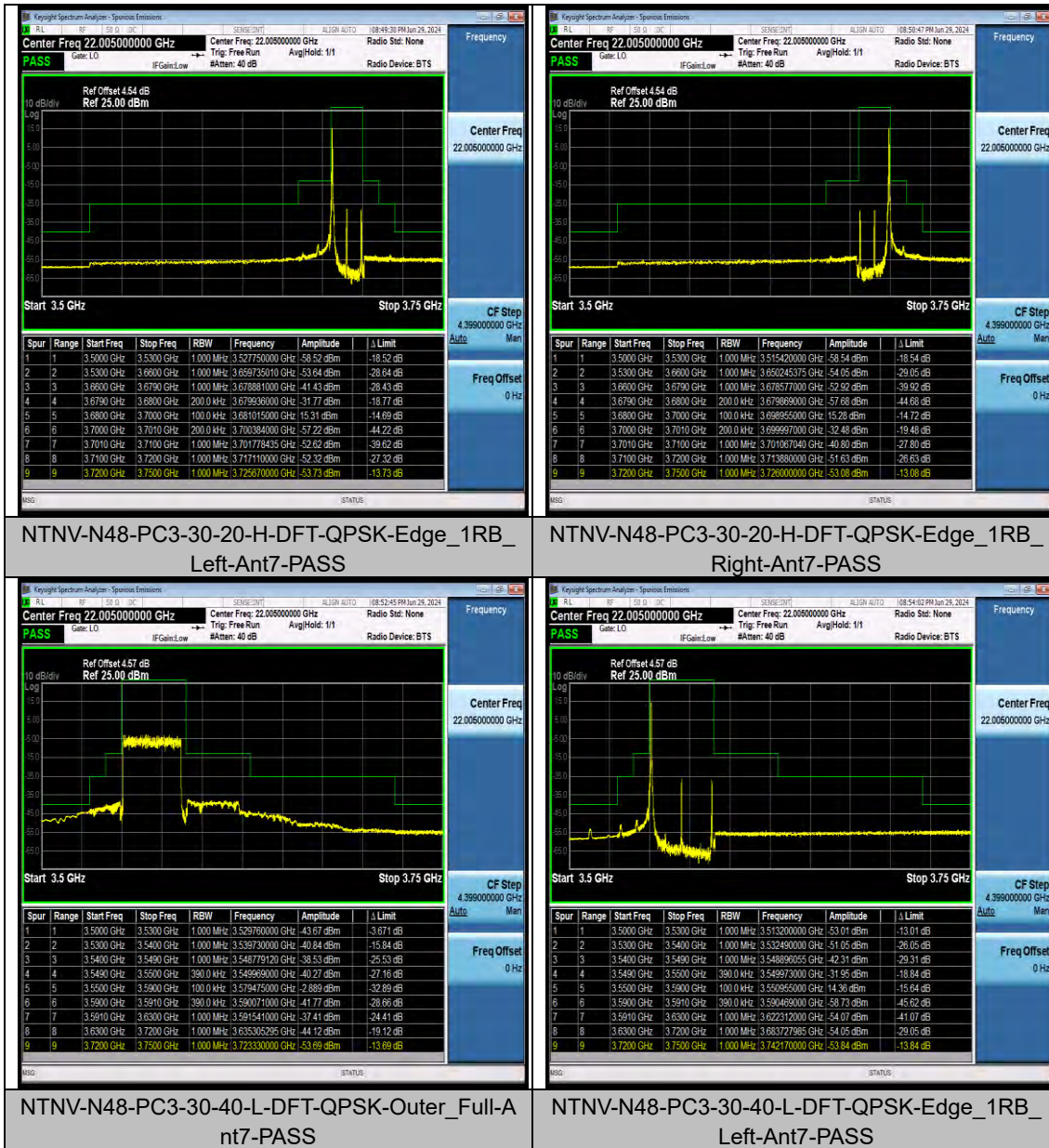
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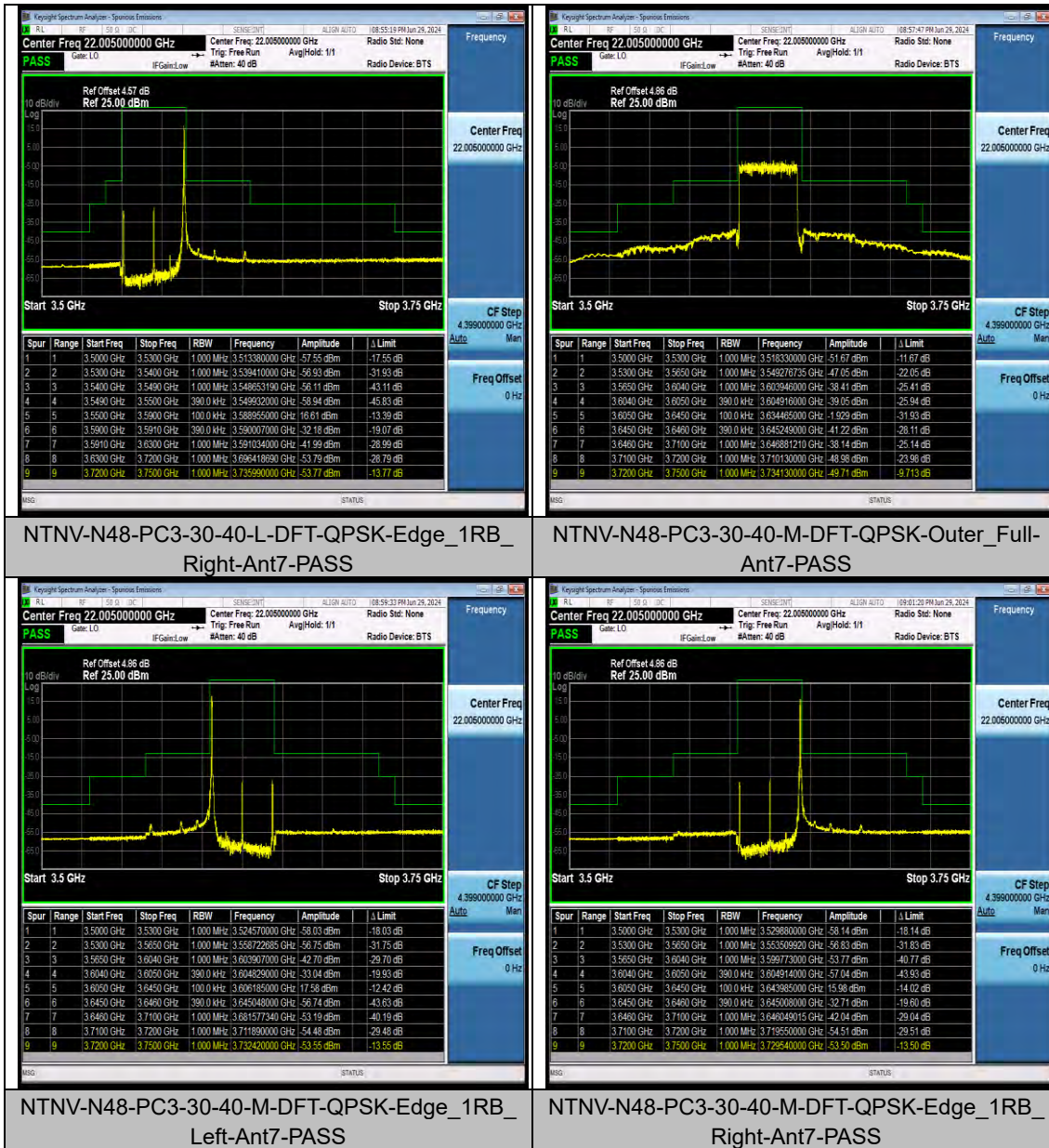
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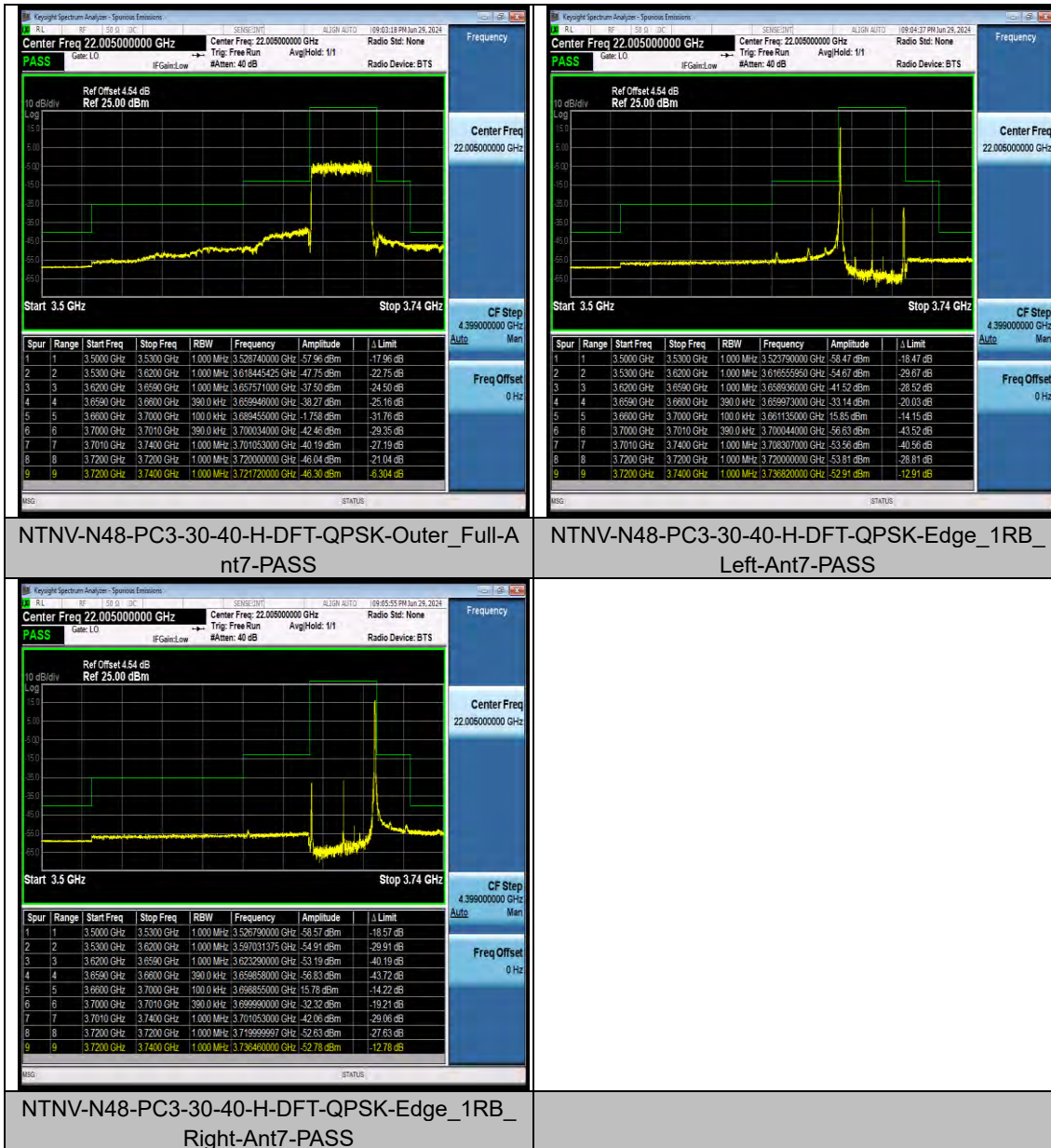
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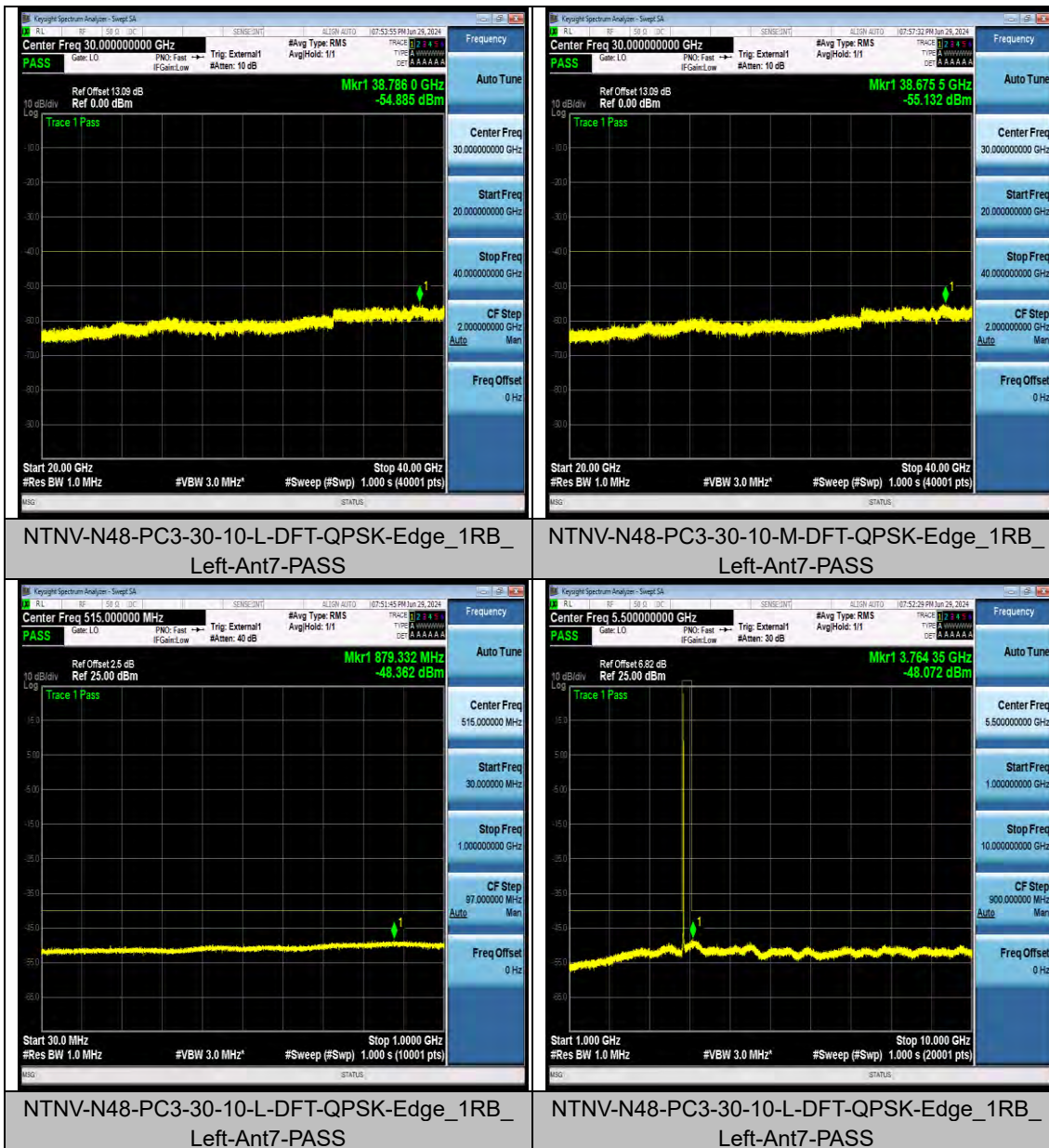


Reference No.: W7L-P24050018RF12

CONDUCTED SPURIOUS EMISSION FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N48	30	10	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.36	-40	PASS
N48	30	10	DFT-QPSK	L	Edge 1RB Left	1000	10000	-48.07	-40	PASS
N48	30	10	DFT-QPSK	L	Edge 1RB Left	10000	20000	-56.15	-40	PASS
N48	30	10	DFT-QPSK	L	Edge 1RB Left	20000	40000	-54.88	-40	PASS
N48	30	10	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.50	-40	PASS
N48	30	10	DFT-QPSK	M	Edge 1RB Left	1000	10000	-47.67	-40	PASS
N48	30	10	DFT-QPSK	M	Edge 1RB Left	10000	20000	-56.14	-40	PASS
N48	30	10	DFT-QPSK	M	Edge 1RB Left	20000	40000	-55.13	-40	PASS
N48	30	10	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.67	-40	PASS
N48	30	10	DFT-QPSK	H	Edge 1RB Left	1000	10000	-48.08	-40	PASS
N48	30	10	DFT-QPSK	H	Edge 1RB Left	10000	20000	-55.63	-40	PASS
N48	30	10	DFT-QPSK	H	Edge 1RB Left	20000	40000	-55.27	-40	PASS
N48	30	20	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.48	-40	PASS
N48	30	20	DFT-QPSK	L	Edge 1RB Left	1000	10000	-48.45	-40	PASS
N48	30	20	DFT-QPSK	L	Edge 1RB Left	10000	20000	-55.78	-40	PASS
N48	30	20	DFT-QPSK	L	Edge 1RB Left	20000	40000	-55.25	-40	PASS
N48	30	20	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.37	-40	PASS
N48	30	20	DFT-QPSK	M	Edge 1RB Left	1000	10000	-48.43	-40	PASS
N48	30	20	DFT-QPSK	M	Edge 1RB Left	10000	20000	-55.76	-40	PASS
N48	30	20	DFT-QPSK	M	Edge 1RB Left	20000	40000	-55.34	-40	PASS
N48	30	20	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.20	-40	PASS
N48	30	20	DFT-QPSK	H	Edge 1RB Left	1000	10000	-48.41	-40	PASS
N48	30	20	DFT-QPSK	H	Edge 1RB Left	10000	20000	-56.11	-40	PASS
N48	30	20	DFT-QPSK	H	Edge 1RB Left	20000	40000	-55.22	-40	PASS
N48	30	40	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.62	-40	PASS
N48	30	40	DFT-QPSK	L	Edge 1RB Left	1000	10000	-47.29	-40	PASS
N48	30	40	DFT-QPSK	L	Edge 1RB Left	10000	20000	-56.25	-40	PASS
N48	30	40	DFT-QPSK	L	Edge 1RB Left	20000	40000	-55.28	-40	PASS
N48	30	40	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.49	-40	PASS
N48	30	40	DFT-QPSK	M	Edge 1RB Left	1000	10000	-48.21	-40	PASS
N48	30	40	DFT-QPSK	M	Edge 1RB Left	10000	20000	-56.17	-40	PASS
N48	30	40	DFT-QPSK	M	Edge 1RB Left	20000	40000	-54.78	-40	PASS
N48	30	40	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.56	-40	PASS
N48	30	40	DFT-QPSK	H	Edge 1RB Left	1000	10000	-48.30	-40	PASS
N48	30	40	DFT-QPSK	H	Edge 1RB Left	10000	20000	-56.01	-40	PASS
N48	30	40	DFT-QPSK	H	Edge 1RB Left	20000	40000	-55.02	-40	PASS

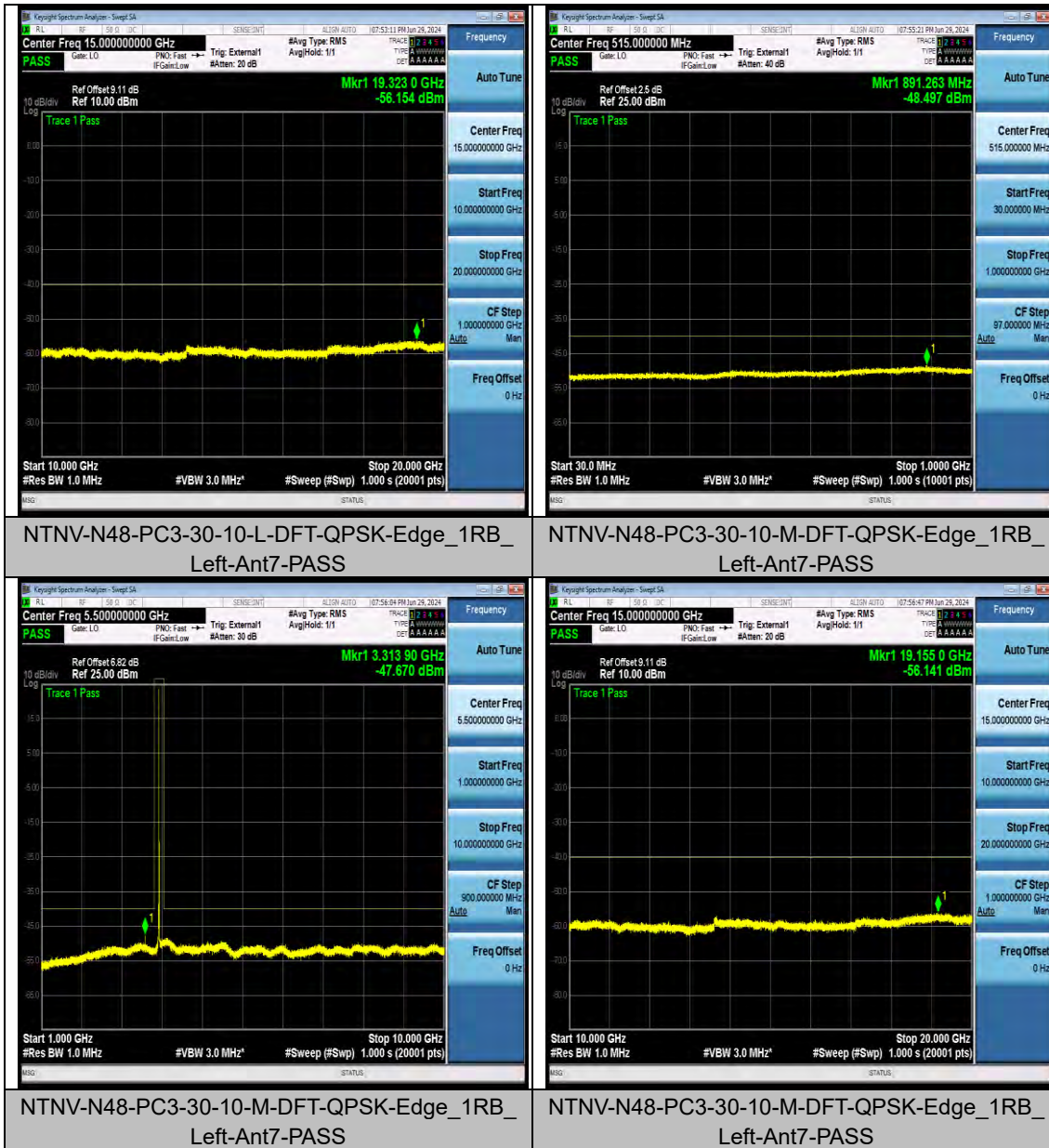
TEST GRAPHS





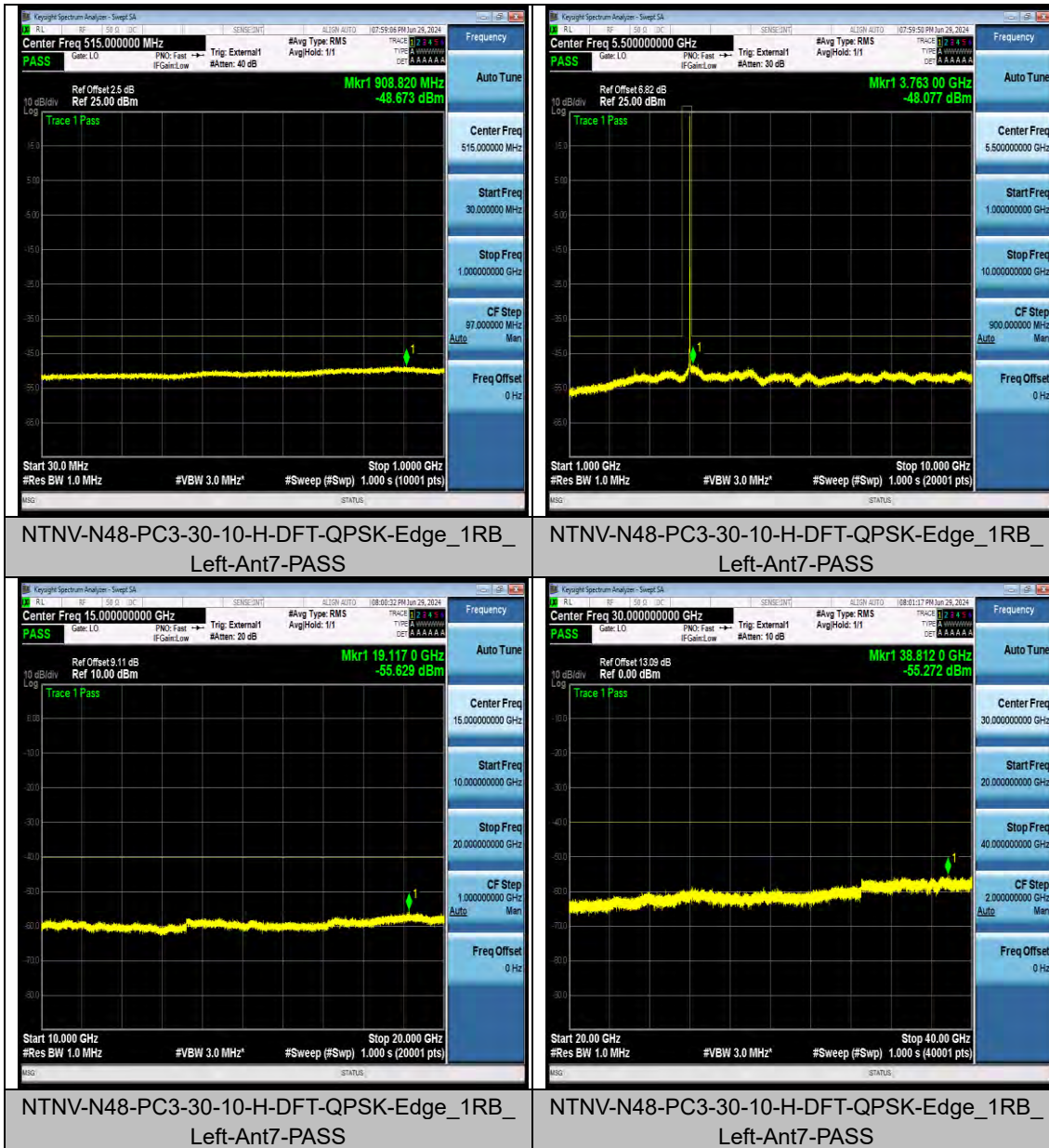
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Reference No.: W7L-P24050018RF12





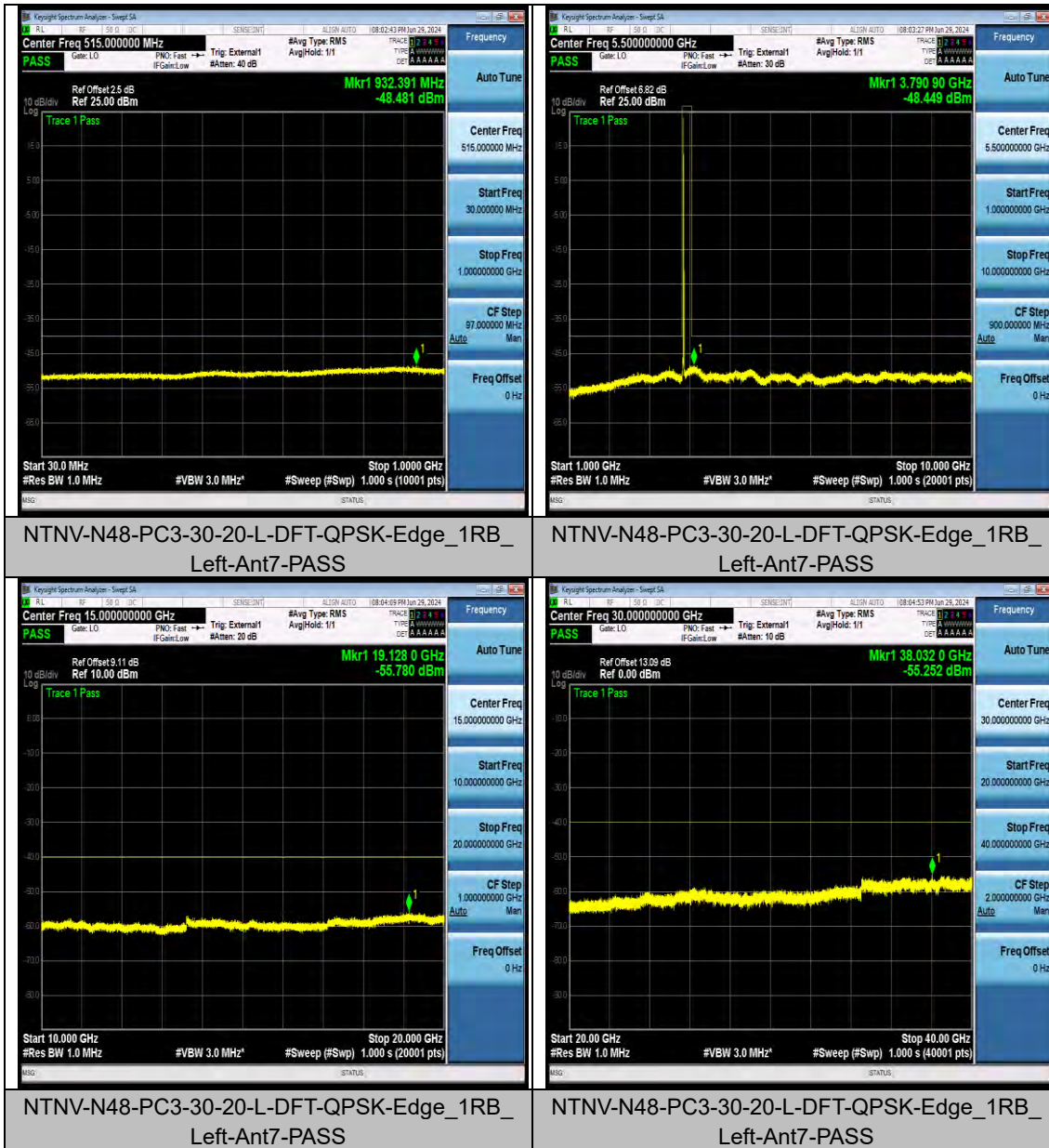
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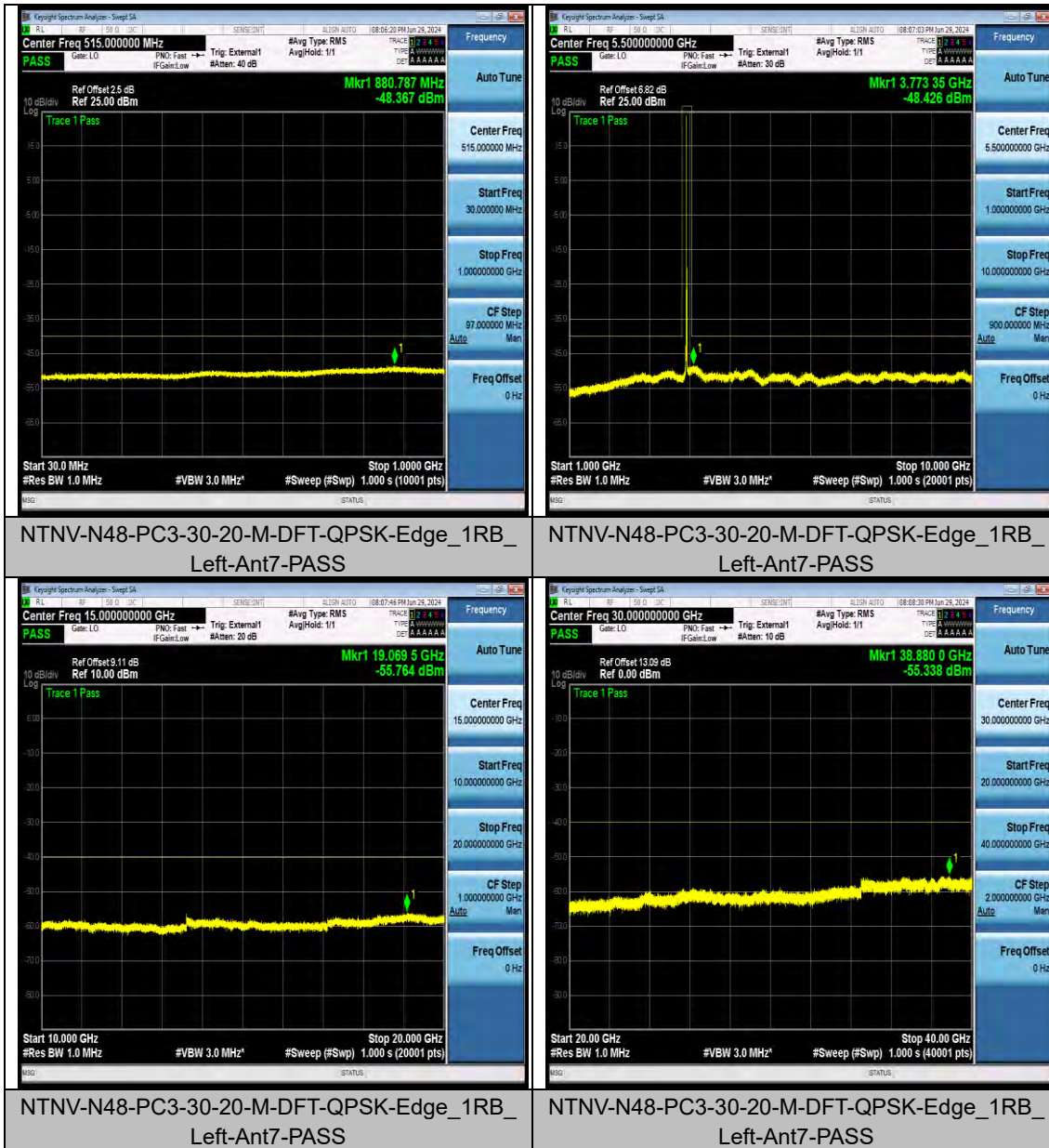
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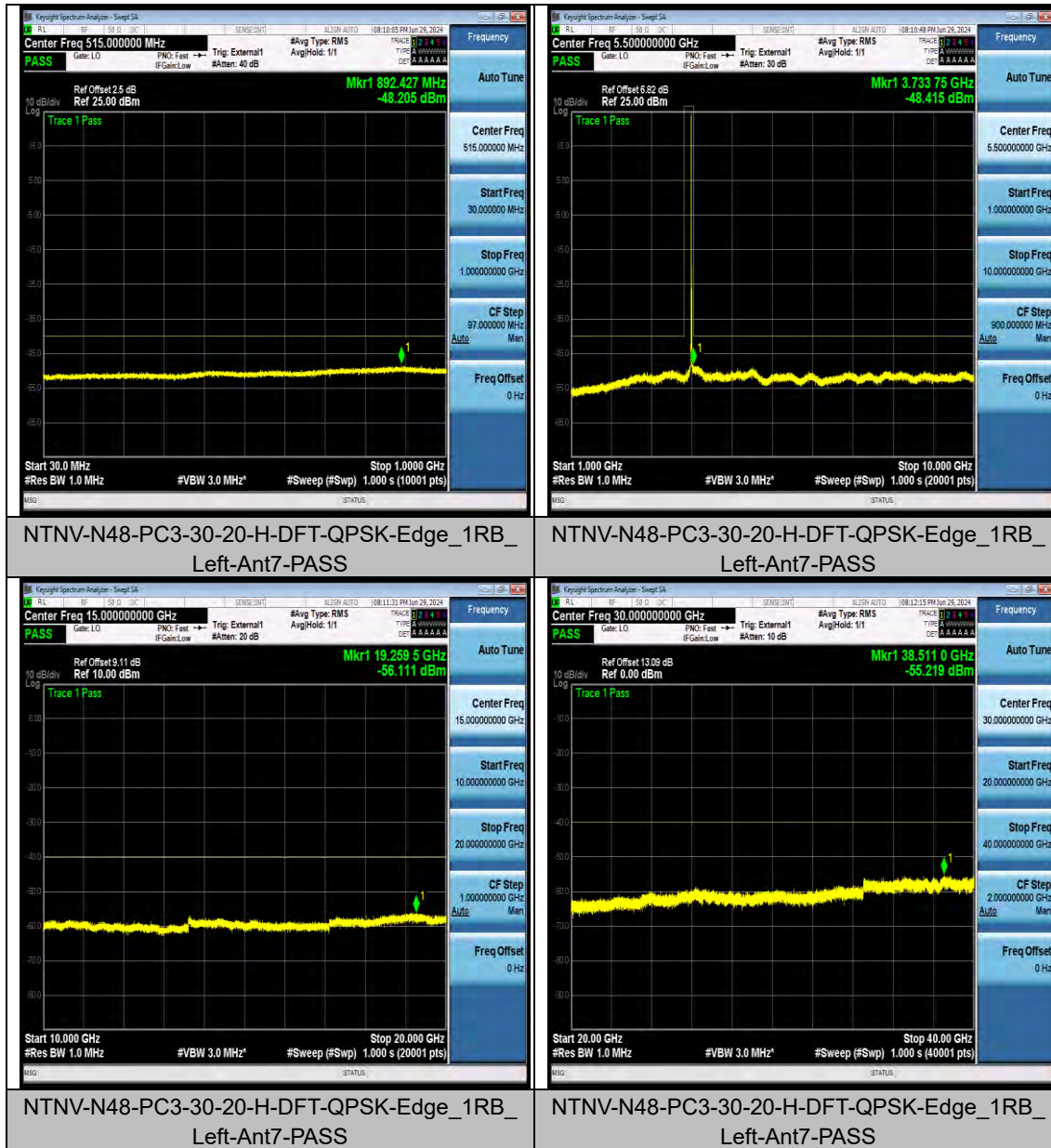
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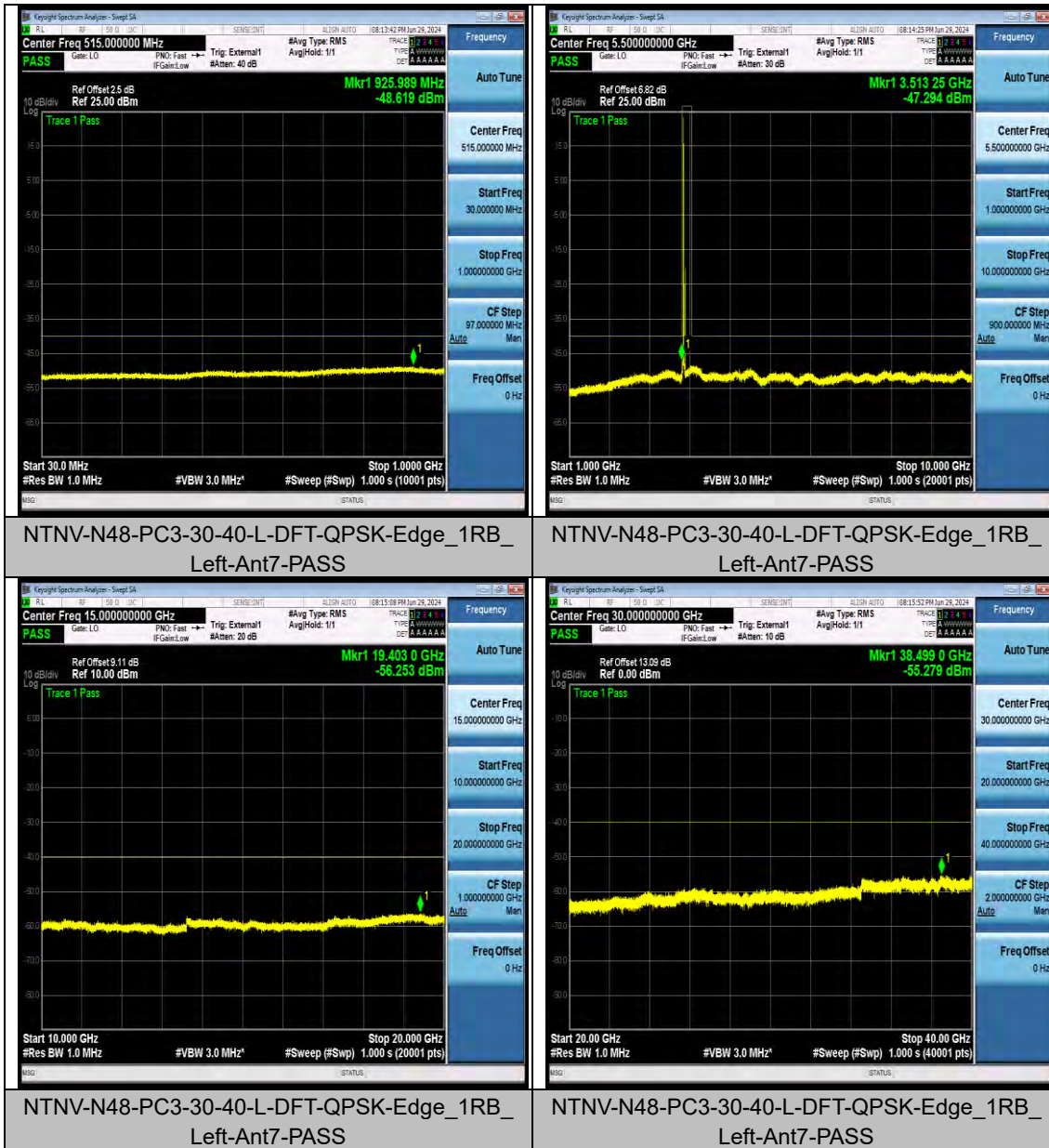
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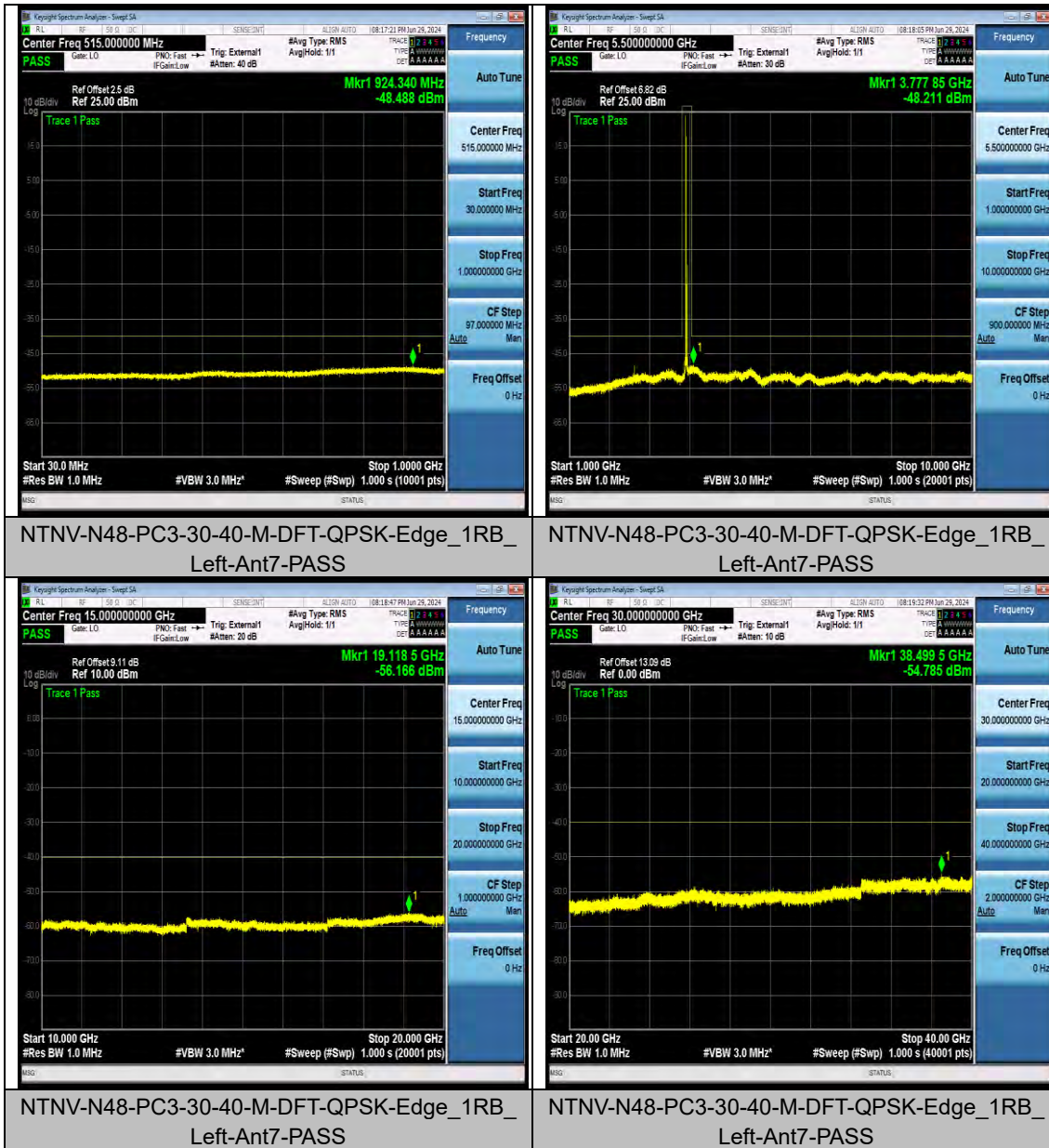
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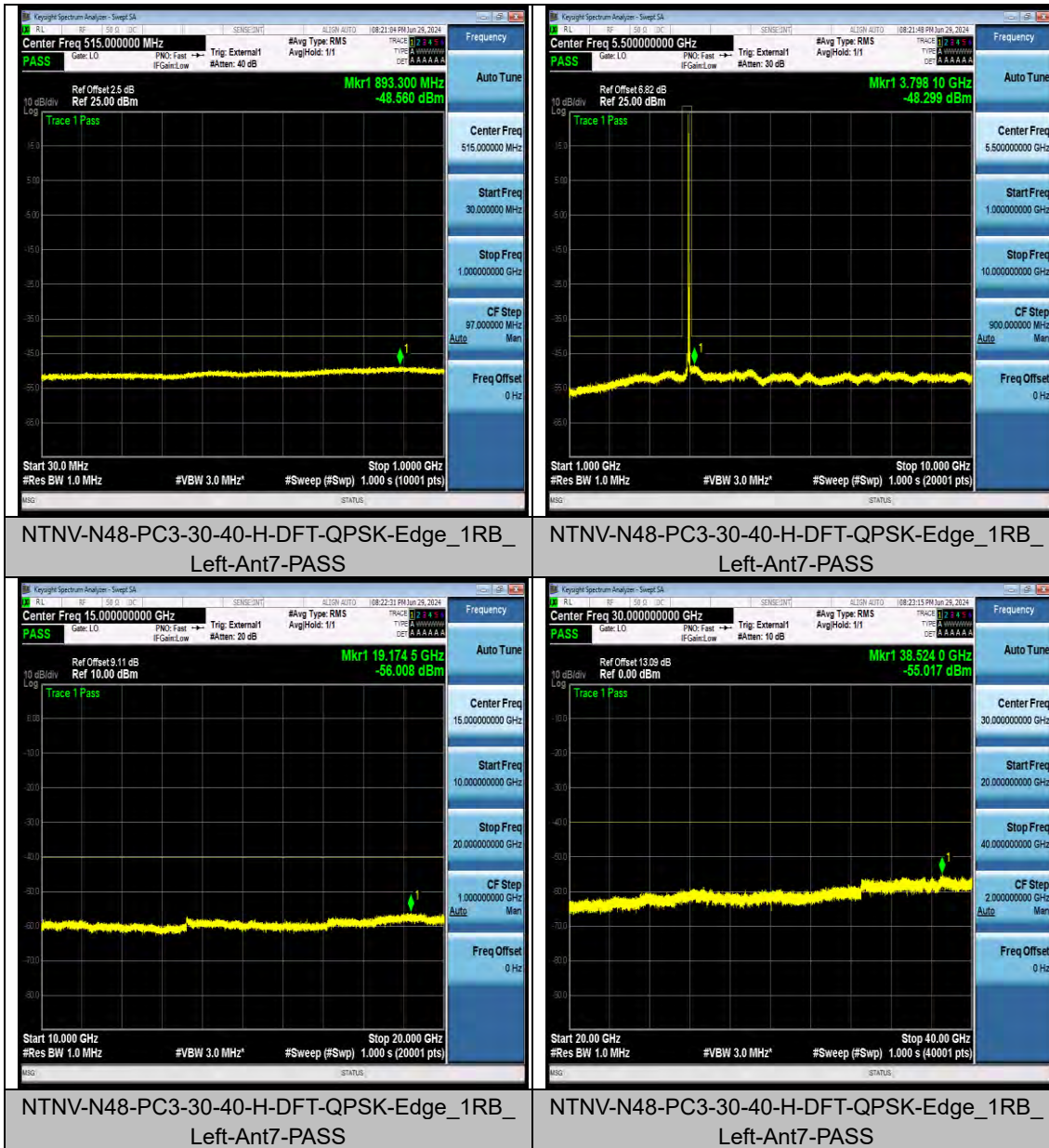
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Reference No.: W7L-P24050018RF12





Reference No.: W7L-P24050018RF12

FREQUENCY STABILITY FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N48	30	20	DFT-QPSK	L	Outer Full	VL	NT	13.000000	0.003652	PASS
N48	30	20	DFT-QPSK	L	Outer Full	VN	NT	15.000000	0.004213	PASS
N48	30	20	DFT-QPSK	L	Outer Full	VH	NT	5.000000	0.001404	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	-30	19.000000	0.005337	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	-20	18.000000	0.005056	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	-10	9.000000	0.002528	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	0	10.000000	0.002809	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	10	1.000000	0.000281	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	20	11.000000	0.003090	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	30	3.000000	0.000843	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	40	13.000000	0.003652	PASS
N48	30	20	DFT-QPSK	L	Outer Full	NV	50	14.000000	0.003933	PASS
N48	30	20	DFT-QPSK	M	Outer Full	VL	NT	11.000000	0.003034	PASS
N48	30	20	DFT-QPSK	M	Outer Full	VN	NT	10.000000	0.002759	PASS
N48	30	20	DFT-QPSK	M	Outer Full	VH	NT	1.000000	0.000276	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	-30	12.000000	0.003310	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	-20	19.000000	0.005241	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	-10	11.000000	0.003034	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	0	19.000000	0.005241	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	10	11.000000	0.003034	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	20	2.000000	0.000552	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	30	13.000000	0.003586	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	40	4.000000	0.001103	PASS
N48	30	20	DFT-QPSK	M	Outer Full	NV	50	4.000000	0.001103	PASS
N48	30	20	DFT-QPSK	H	Outer Full	VL	NT	9.000000	0.002439	PASS
N48	30	20	DFT-QPSK	H	Outer Full	VN	NT	14.000000	0.003794	PASS
N48	30	20	DFT-QPSK	H	Outer Full	VH	NT	6.000000	0.001626	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	-30	16.000000	0.004336	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	-20	5.000000	0.001355	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	-10	15.000000	0.004065	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	0	3.000000	0.000813	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	10	14.000000	0.003794	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	20	5.000000	0.001355	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	30	16.000000	0.004336	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	40	7.000000	0.001897	PASS
N48	30	20	DFT-QPSK	H	Outer Full	NV	50	15.000000	0.004065	PASS

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