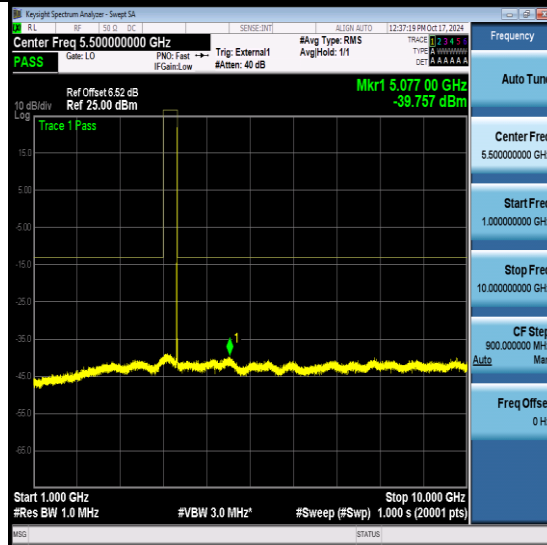
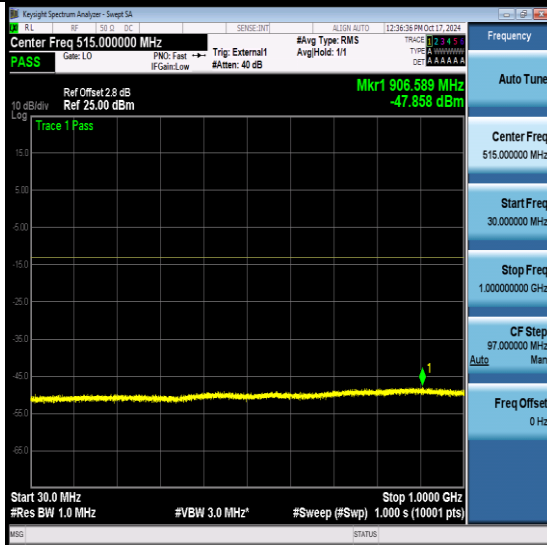




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Reference No.: W7L-P24090006RF01

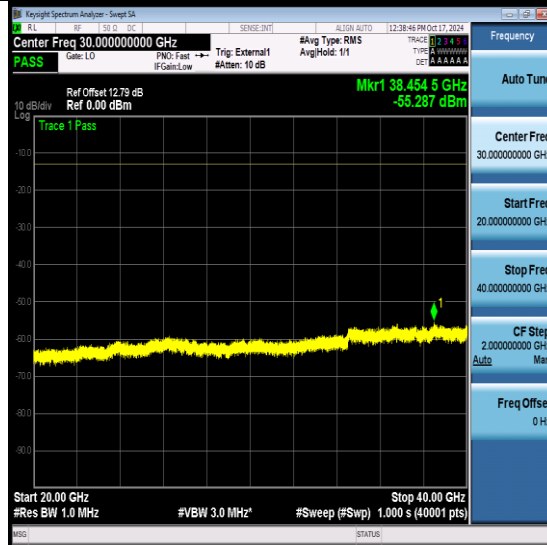
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PSK-Edge 1RB Left-Ant1-PASS



NTNV-N77-3700-3980-PC3-30-10-H-DFT-QPSK-
Edge 1RB Left-Ant1-PASS



NTNV-N77-3700-3980-PC3-30-10-H-DFT-QPSK-
Edge 1RB Left-Ant1-PASS



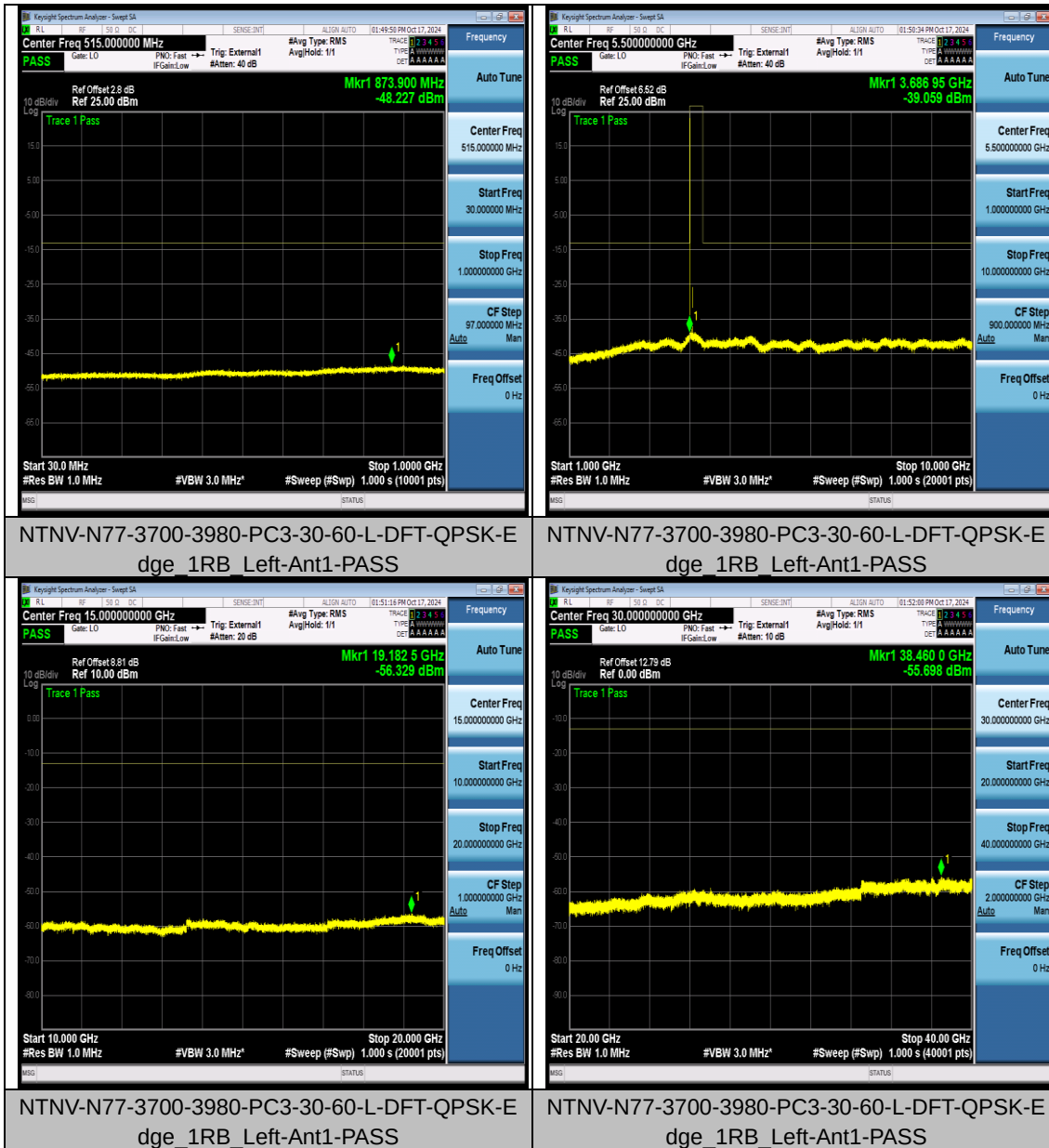
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Edge 1RB Left-Ant1-PASS

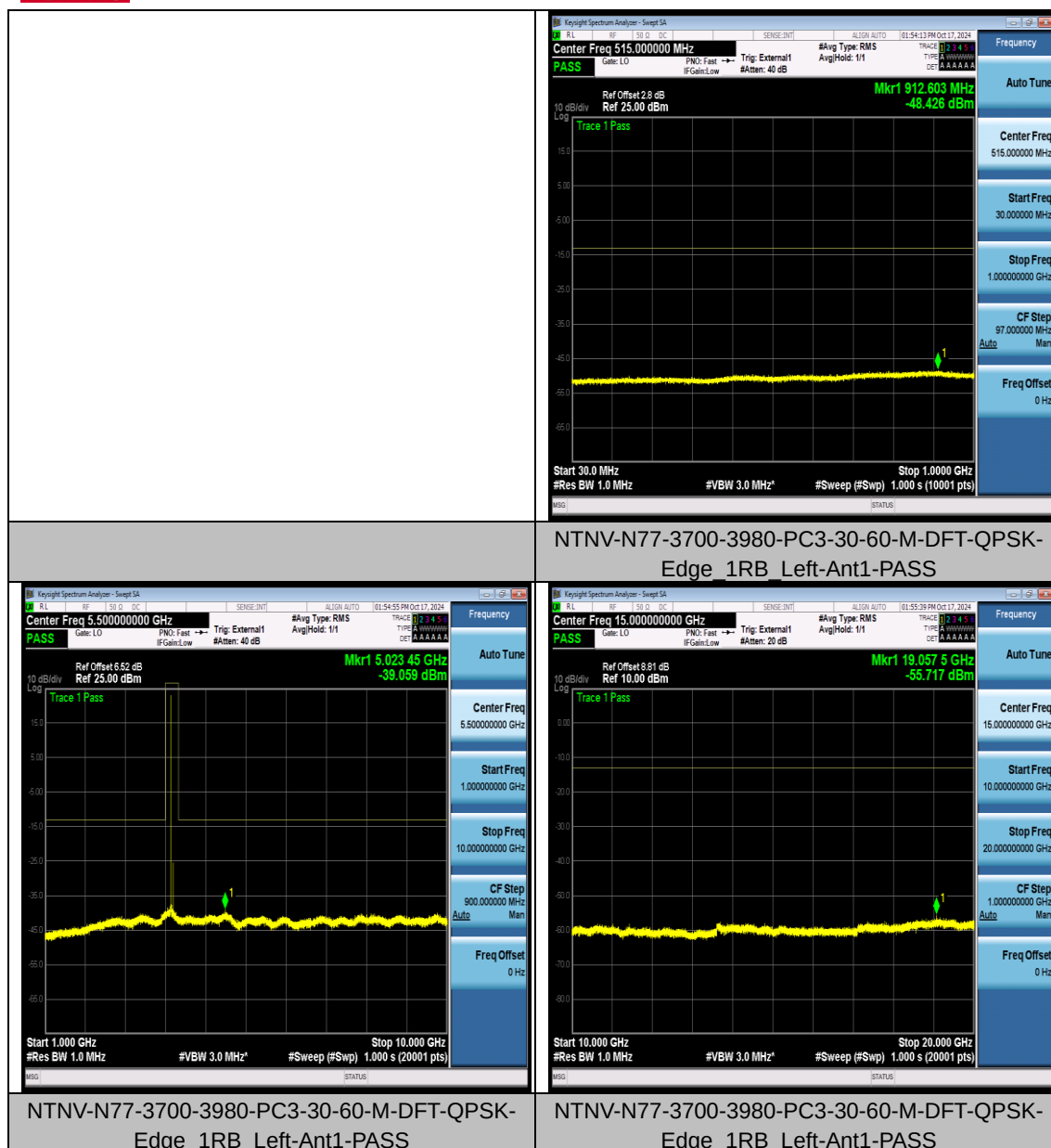
NTNV-N77-3700-3980-PC3-30-10-H-DFT-QPSK-
Edge 1RB Left-Ant1-PASS



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Reference No.: W7L-P24090006RF01

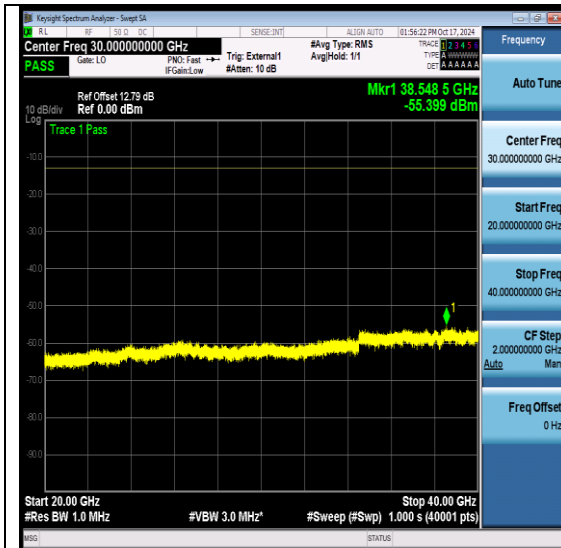






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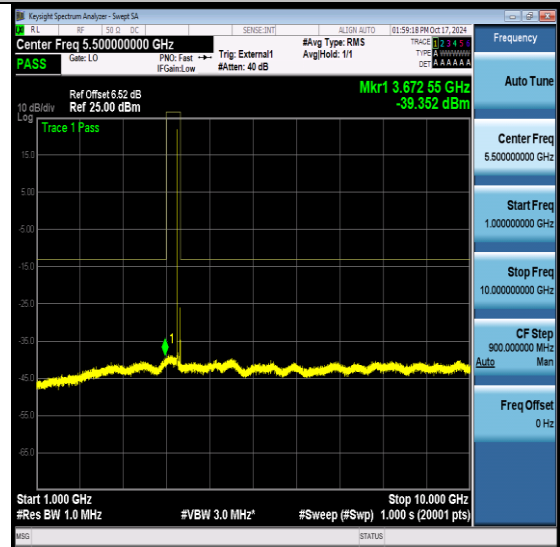
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NTNV-N77-3700-3980-PC3-30-60-M-DFT-QPSK-
Edge_1RB_Left-Ant1-PASS



NTNV-N77-3700-3980-PC3-30-60-H-DFT-QPSK-
Edge_1RB_Left-Ant1-PASS

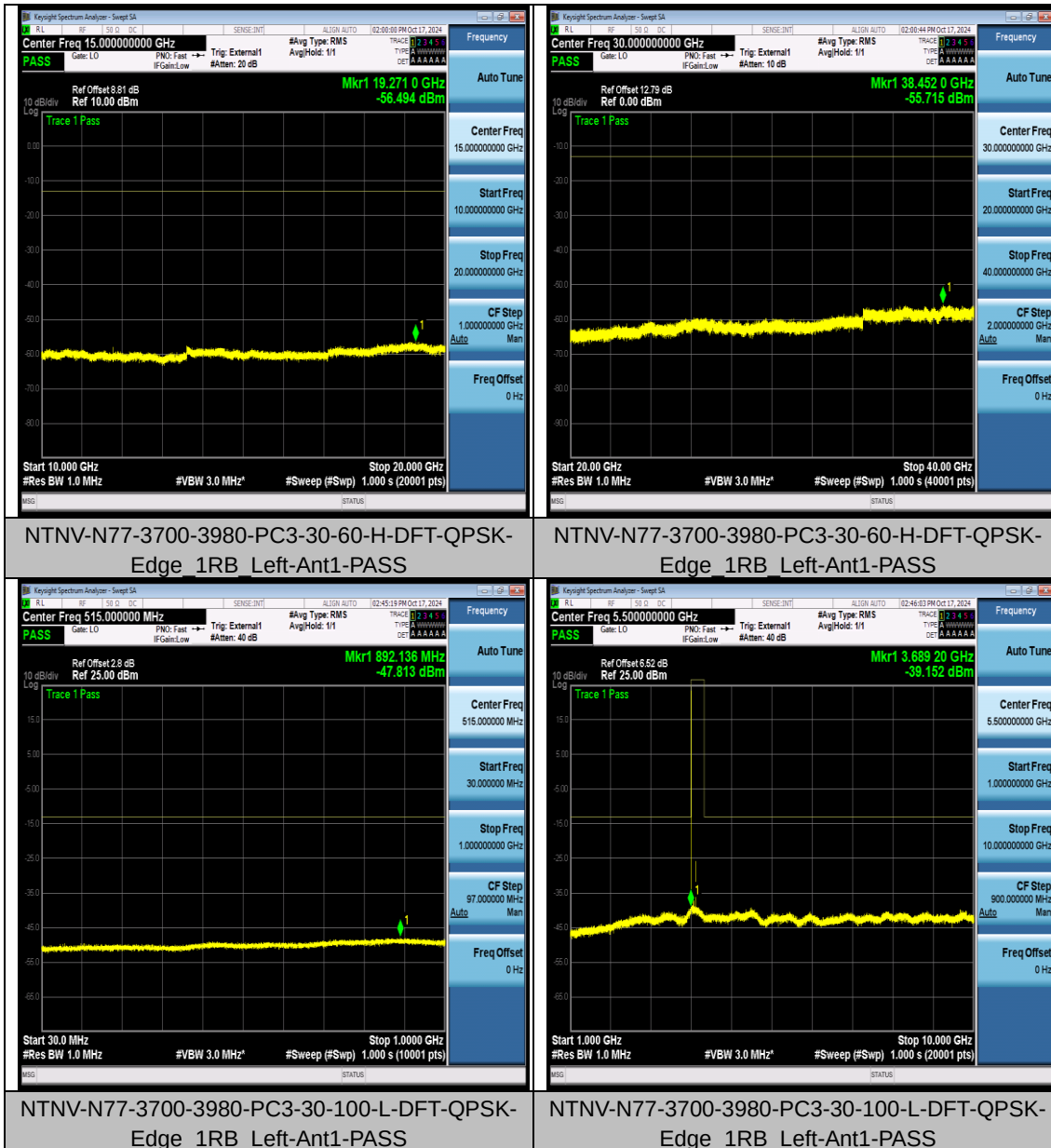


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Edge_1RB_Left-Ant1-PASS



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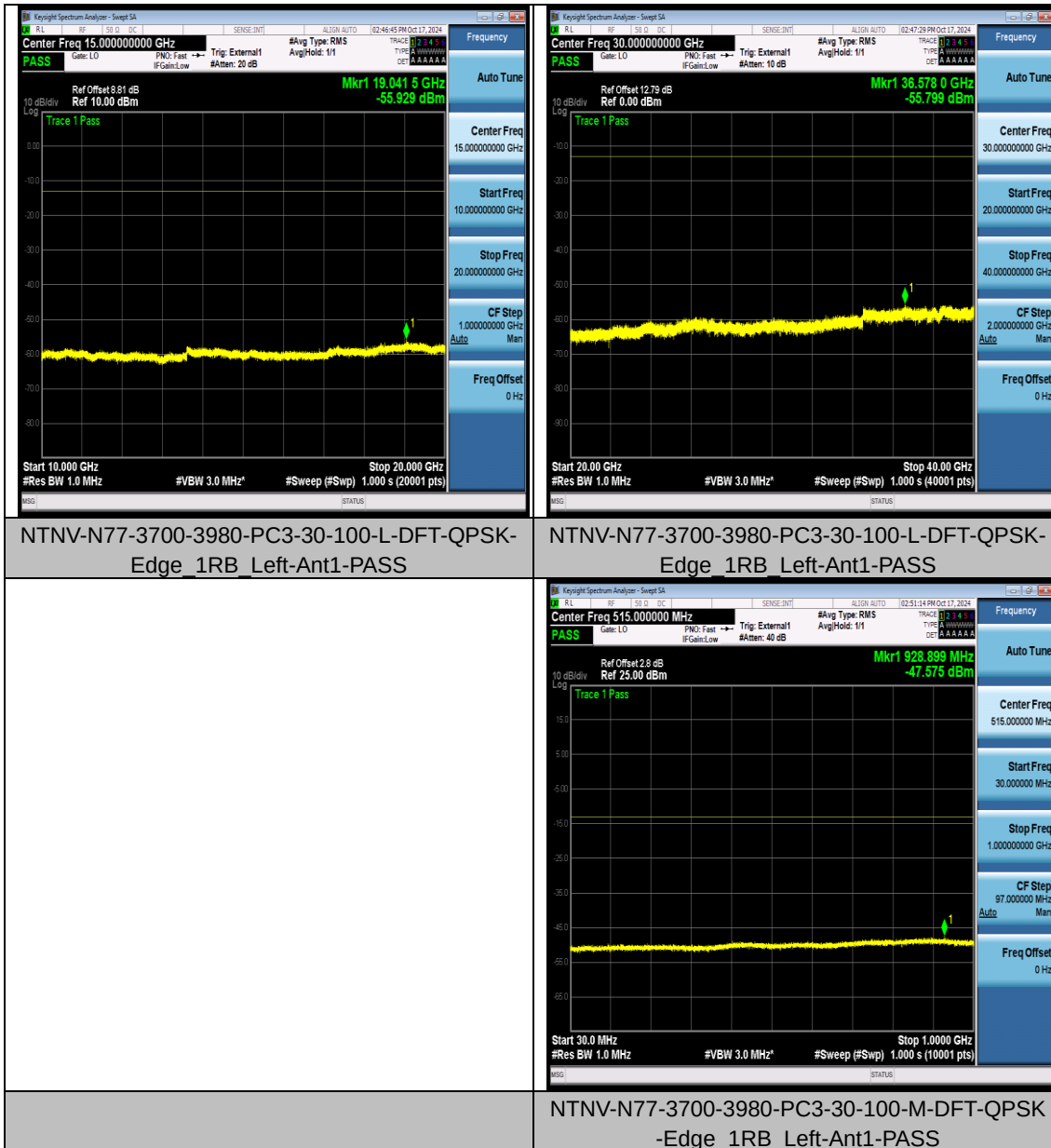
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VERITAS

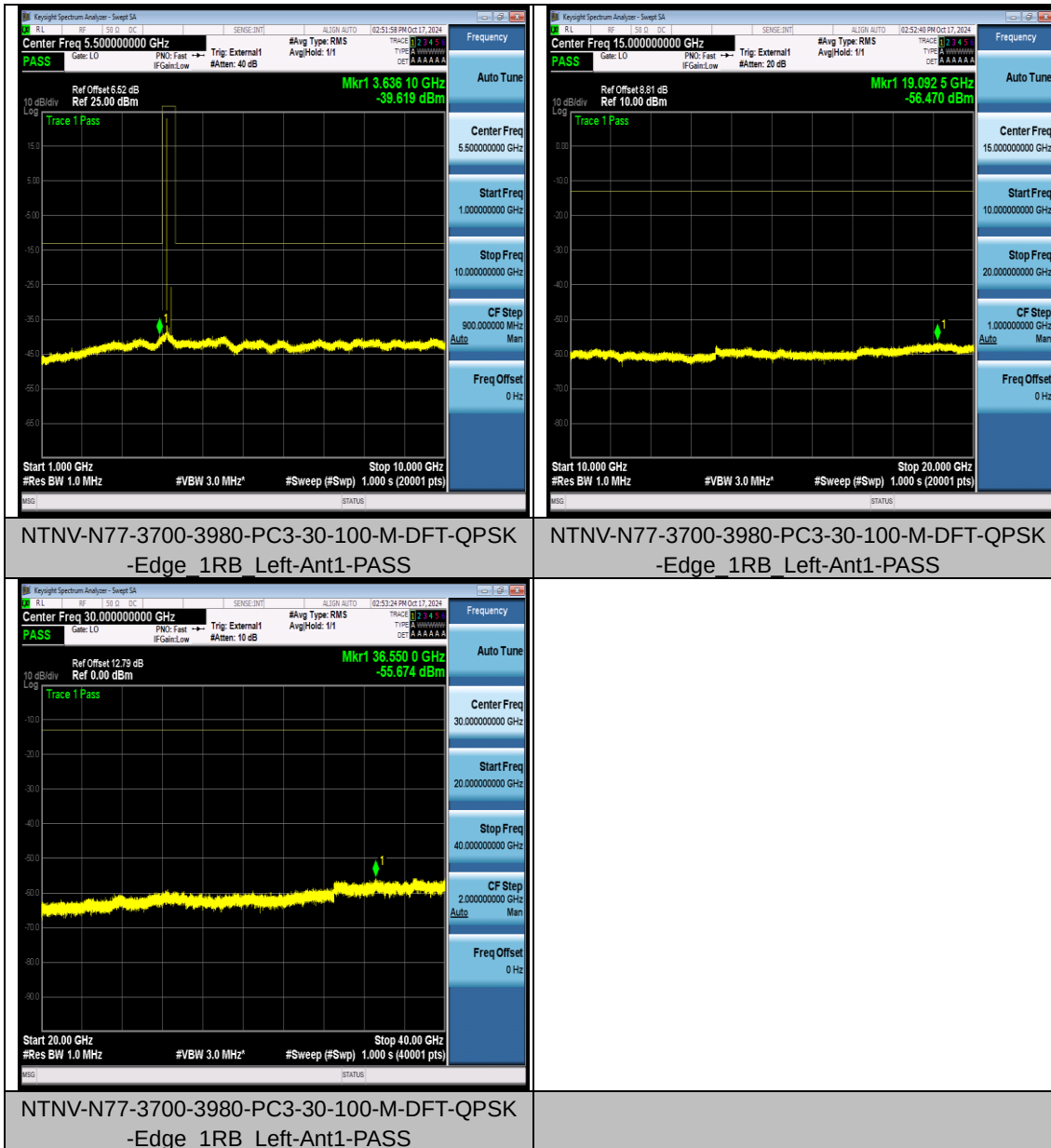
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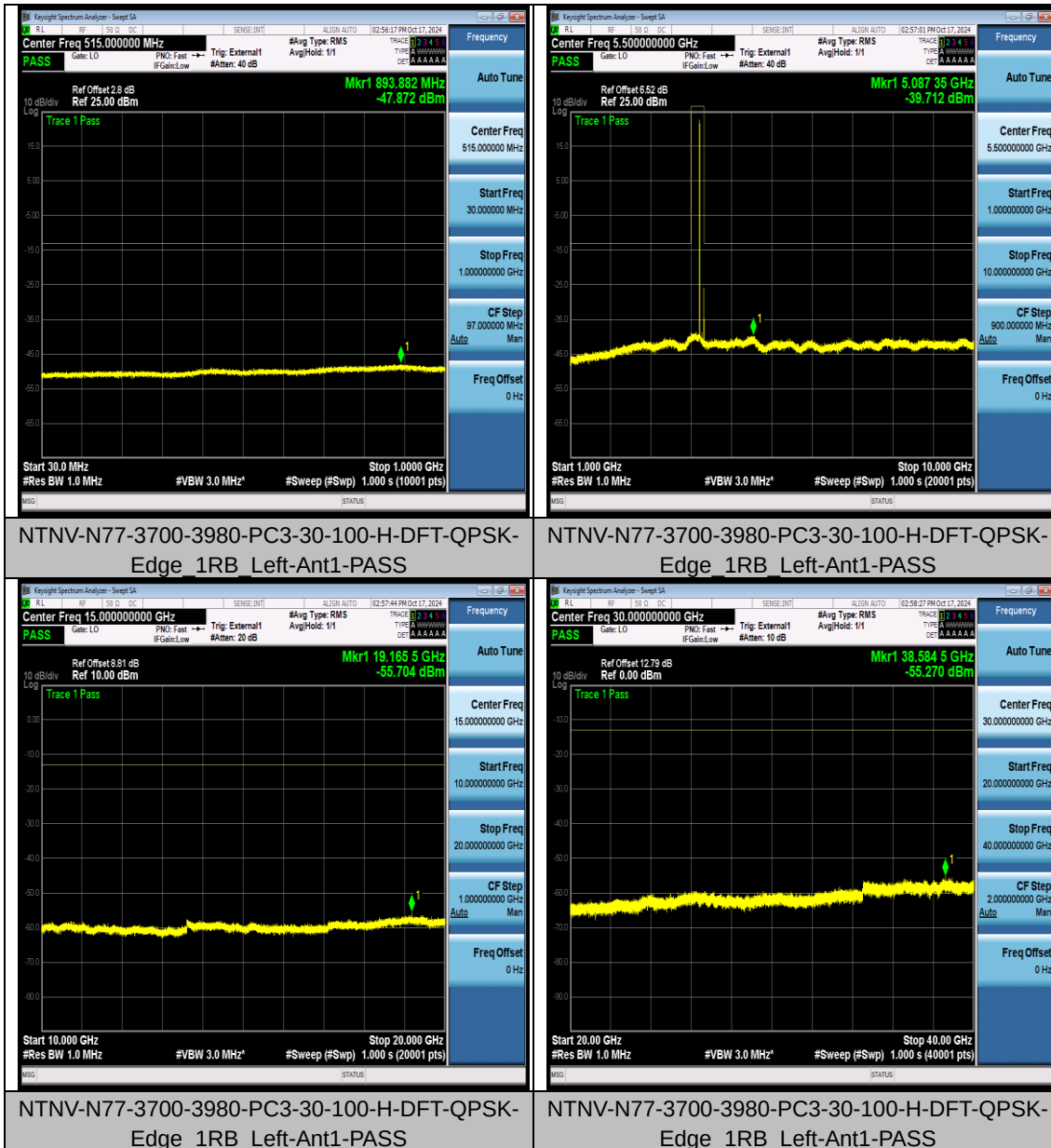
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Reference No.: W7L-P24090006RF01



FREQUENCY STABILITY FOR SA TEST RESULT

Frequency Error VS. Voltage

Voltage										
Band	SC S	Bandwid th	Modulatio n	Chann el	RB Config	Volta ge	Temperat ure	Deviation(Hz)	Deviation (ppm)	Verdi ct
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	VL	NT	-4.255000	-0.0011 47	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	VN	NT	-6.445000	-0.0017 37	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	VH	NT	-5.454000	-0.0014 70	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	-30	-5.188000	-0.0013 98	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	-20	-6.080000	-0.0016 39	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	-10	-4.979000	-0.0013 42	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	0	-6.519000	-0.0017 57	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	10	-1.937000	-0.0005 22	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	20	-6.123000	-0.0016 50	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	30	-2.159000	-0.0005 82	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	40	-7.710000	-0.0020 78	PAS S
N77-3700-3 980	30	20	DFT-QP SK	L	Outer_F ull	NV	50	-1.105000	-0.0002 98	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	VL	NT	-11.52000 0	-0.0030 00	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	VN	NT	-4.285000	-0.0011 16	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	VH	NT	-5.297000	-0.0013 79	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	-30	-8.696000	-0.0022 65	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	-20	-0.221000	-0.0000 58	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	-10	-7.061000	-0.0018 39	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	0	-5.706000	-0.0014 86	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	10	-3.760000	-0.0009 79	PAS S



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Reference No.: W7L-P24090006RF01

N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	20	-1.228000	-0.0003 20	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	30	-10.36200 0	-0.0026 98	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	40	-4.862000	-0.0012 66	PAS S
N77-3700-3 980	30	20	DFT-QP SK	M	Outer_F ull	NV	50	-7.229000	-0.0018 83	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	VL	NT	-5.849000	-0.0014 73	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	VN	NT	-9.001000	-0.0022 67	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	VH	NT	-4.115999	-0.0010 37	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	-30	-7.470000	-0.0018 82	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	-20	-10.19000 0	-0.0025 67	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	-10	-4.014000	-0.0010 11	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	0	-6.743000	-0.0016 98	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	10	-5.116000	-0.0012 89	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	20	-4.693000	-0.0011 82	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	30	-4.027000	-0.0010 13	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	40	-3.621000	-0.0009 12	PAS S
N77-3700-3 980	30	20	DFT-QP SK	H	Outer_F ull	NV	50	-1.721000	-0.0004 34	PAS S

SA. N77 3700-3980-MIMO

PEAK-TO-AVERAGE RATIO FOR MIMO PEAK-TO-AVERAGE RATIO(CCDF)

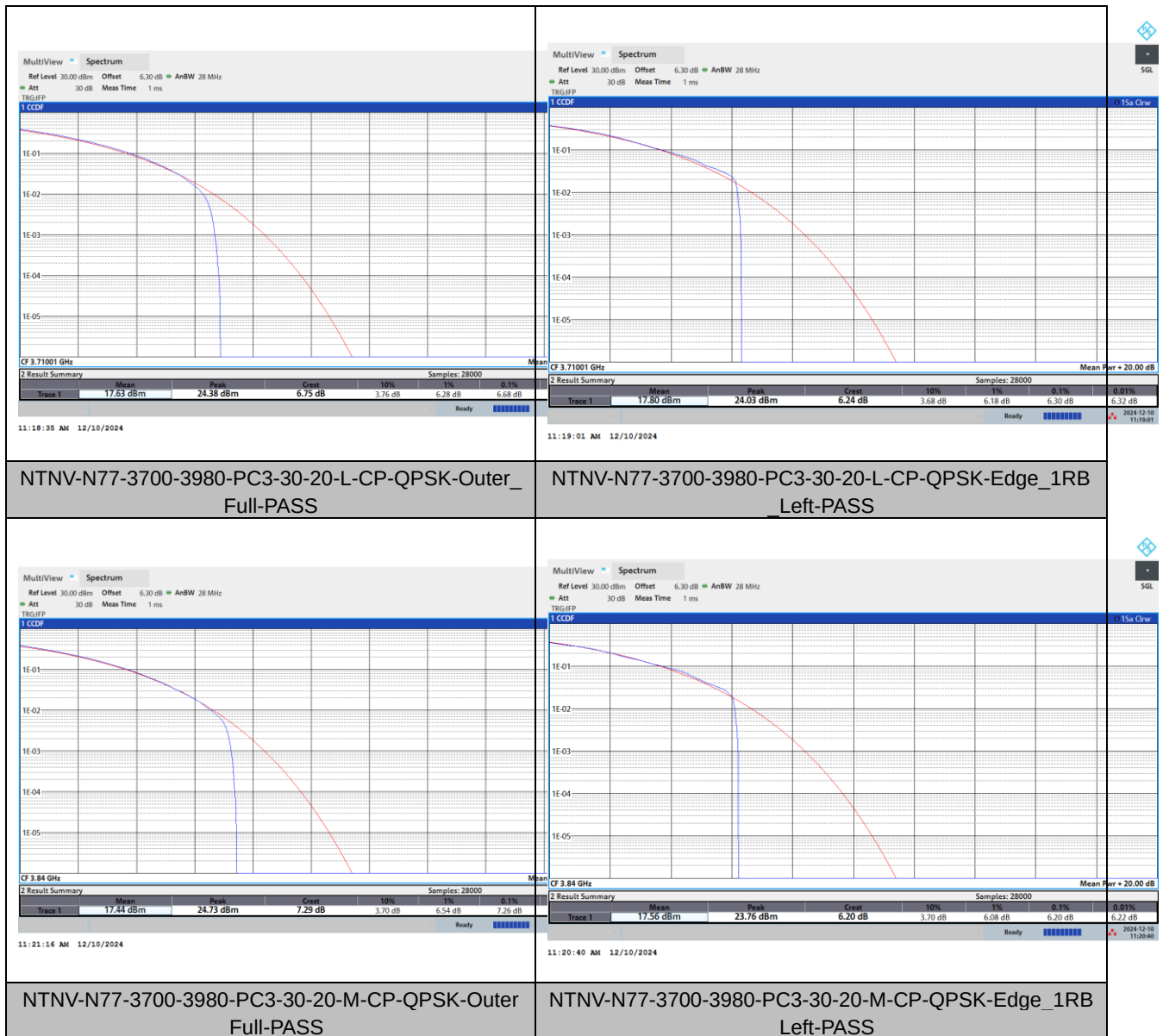
TEST RESULT-ANT2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	CP-QPSK	L	Outer_Full	6.68	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	L	Edge_1RB_Left	6.30	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	7.26	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Edge_1RB_Left	6.20	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Outer_Full	6.88	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Edge_1RB_Left	6.16	≤13	PASS

TEST RESULT-ANT4

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	CP-QPSK	L	Outer_Full	5.92	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	L	Edge_1RB_Left	6.00	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	6.66	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Edge_1RB_Left	5.62	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Outer_Full	6.18	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Edge_1RB_Left	5.52	≤13	PASS

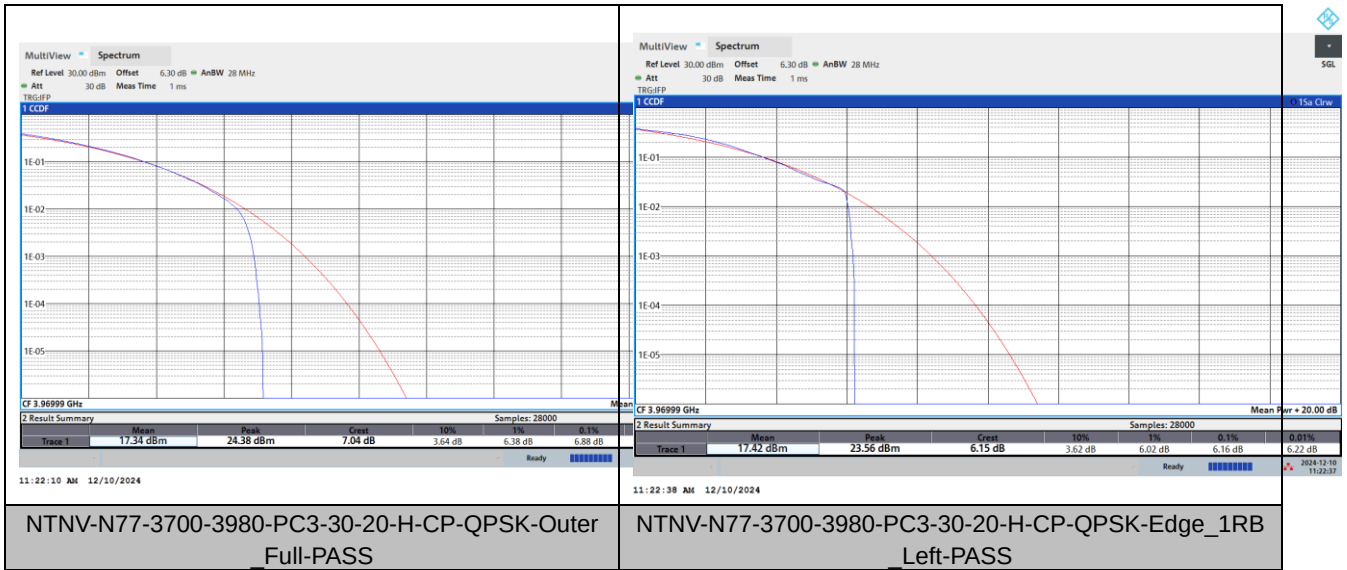
TEST GRAPHS-ANT2



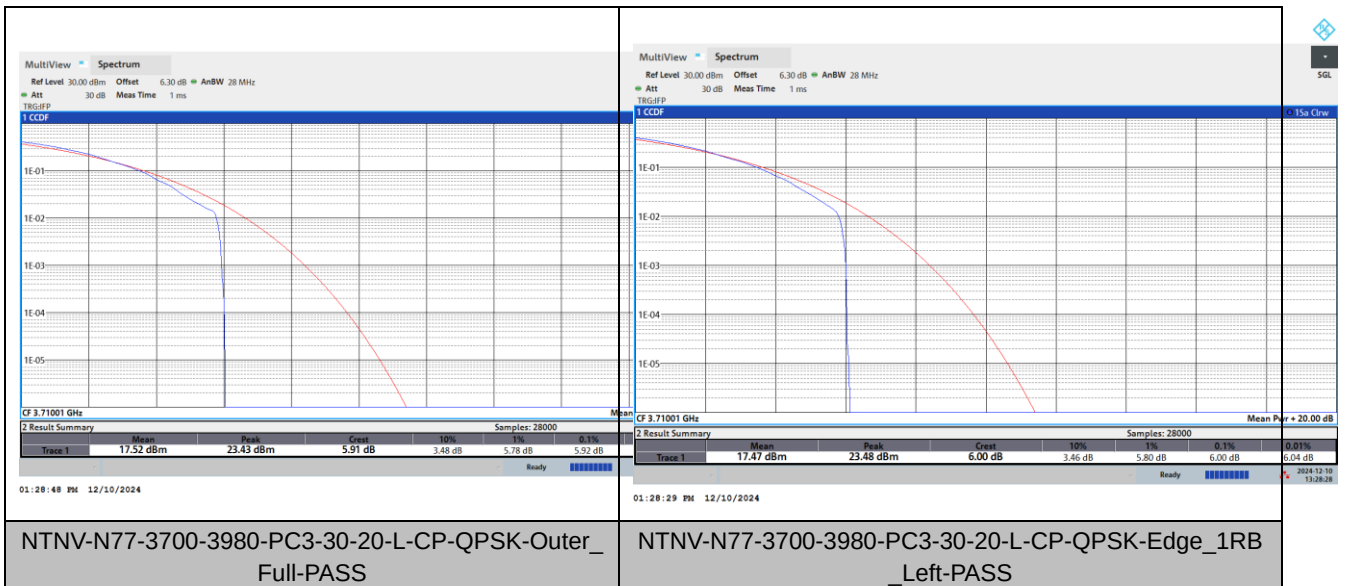


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Reference No.: W7L-P24090006RF01



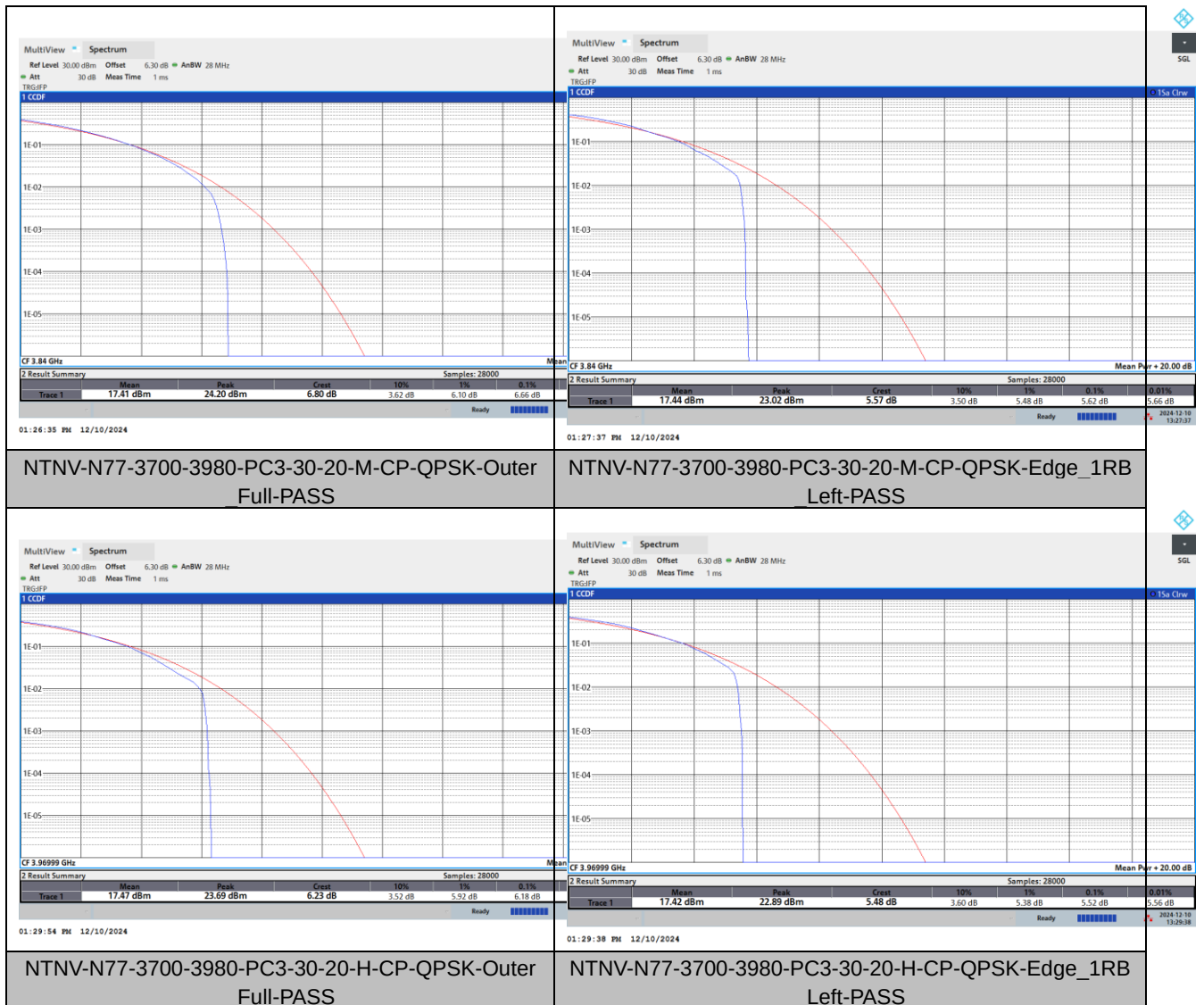
TEST GRAPHS-ANT4





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VERITAS

Reference No.: W7L-P24090006RF01



26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR MIMO TEST RESULT-ANT A2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700-3980	30	10	CP-QPSK	M	Outer_Full	8.6041	9.971	PASS
N77-3700-3980	30	10	CP-16QAM	M	Outer_Full	8.6035	9.785	PASS
N77-3700-3980	30	10	CP-64QAM	M	Outer_Full	8.6019	9.741	PASS
N77-3700-3980	30	10	CP-256QAM	M	Outer_Full	8.5892	9.646	PASS
N77-3700-3980	30	15	CP-QPSK	M	Outer_Full	13.550	14.78	PASS
N77-3700-3980	30	15	CP-16QAM	M	Outer_Full	13.577	14.87	PASS
N77-3700-3980	30	15	CP-64QAM	M	Outer_Full	13.548	14.71	PASS
N77-3700-3980	30	15	CP-256QAM	M	Outer_Full	13.579	14.52	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	18.184	19.66	PASS
N77-3700-3980	30	20	CP-16QAM	M	Outer_Full	18.220	19.48	PASS
N77-3700-3980	30	20	CP-64QAM	M	Outer_Full	18.172	19.43	PASS
N77-3700-3980	30	20	CP-256QAM	M	Outer_Full	18.189	19.36	PASS
N77-3700-3980	30	30	CP-QPSK	M	Outer_Full	27.824	29.72	PASS
N77-3700-3980	30	30	CP-16QAM	M	Outer_Full	27.816	29.68	PASS
N77-3700-3980	30	30	CP-64QAM	M	Outer_Full	27.839	29.73	PASS
N77-3700-3980	30	30	CP-256QAM	M	Outer_Full	27.820	29.67	PASS
N77-3700-3980	30	40	CP-QPSK	M	Outer_Full	37.702	39.54	PASS
N77-3700-3980	30	40	CP-16QAM	M	Outer_Full	37.714	39.87	PASS
N77-3700-3980	30	40	CP-64QAM	M	Outer_Full	37.825	39.60	PASS
N77-3700-3980	30	40	CP-256QAM	M	Outer_Full	37.795	39.58	PASS
N77-3700-3980	30	50	CP-QPSK	M	Outer_Full	47.394	49.83	PASS
N77-3700-3980	30	50	CP-16QAM	M	Outer_Full	47.462	49.67	PASS
N77-3700	30	50	CP-64QAM	M	Outer_Full	47.417	49.59	PASS



Reference No.: W7L-P24090006RF01

-3980								
N77-3700 -3980	30	50	CP-256QAM	M	Outer_Full	47.382	49.50	PASS
N77-3700 -3980	30	60	CP-QPSK	M	Outer_Full	57.756	60.37	PASS
N77-3700 -3980	30	60	CP-16QAM	M	Outer_Full	57.680	59.98	PASS
N77-3700 -3980	30	60	CP-64QAM	M	Outer_Full	57.683	60.25	PASS
N77-3700 -3980	30	60	CP-256QAM	M	Outer_Full	57.701	60.24	PASS
N77-3700 -3980	30	70	CP-QPSK	M	Outer_Full	67.374	69.77	PASS
N77-3700 -3980	30	70	CP-16QAM	M	Outer_Full	67.522	70.43	PASS
N77-3700 -3980	30	70	CP-64QAM	M	Outer_Full	67.376	70.12	PASS
N77-3700 -3980	30	70	CP-256QAM	M	Outer_Full	67.480	70.21	PASS
N77-3700 -3980	30	80	CP-QPSK	M	Outer_Full	77.248	80.25	PASS
N77-3700 -3980	30	80	CP-16QAM	M	Outer_Full	77.340	80.36	PASS
N77-3700 -3980	30	80	CP-64QAM	M	Outer_Full	77.225	80.17	PASS
N77-3700 -3980	30	80	CP-256QAM	M	Outer_Full	77.193	80.11	PASS
N77-3700 -3980	30	90	CP-QPSK	M	Outer_Full	87.260	90.31	PASS
N77-3700 -3980	30	90	CP-16QAM	M	Outer_Full	87.338	90.31	PASS
N77-3700 -3980	30	90	CP-64QAM	M	Outer_Full	87.390	90.60	PASS
N77-3700 -3980	30	90	CP-256QAM	M	Outer_Full	87.525	90.61	PASS
N77-3700 -3980	30	100	CP-QPSK	M	Outer_Full	97.273	100.7	PASS
N77-3700 -3980	30	100	CP-16QAM	M	Outer_Full	97.173	100.3	PASS
N77-3700 -3980	30	100	CP-64QAM	M	Outer_Full	97.319	100.5	PASS
N77-3700 -3980	30	100	CP-256QAM	M	Outer_Full	97.188	100.8	PASS

TEST RESULT-ANT A4

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700 -3980	30	10	CP-QPSK	M	Outer_Full	8.5886	9.862	PASS
N77-3700 -3980	30	10	CP-16QAM	M	Outer_Full	8.5868	9.634	PASS
N77-3700	30	10	CP-64QAM	M	Outer_Full	8.5764	9.688	PASS



Reference No.: W7L-P24090006RF01

-3980								
N77-3700 -3980	30	10	CP-256QAM	M	Outer_Full	8.5659	9.661	PASS
N77-3700 -3980	30	15	CP-QPSK	M	Outer_Full	13.630	15.26	PASS
N77-3700 -3980	30	15	CP-16QAM	M	Outer_Full	13.570	14.88	PASS
N77-3700 -3980	30	15	CP-64QAM	M	Outer_Full	13.571	15.12	PASS
N77-3700 -3980	30	15	CP-256QAM	M	Outer_Full	13.587	14.85	PASS
N77-3700 -3980	30	20	CP-QPSK	M	Outer_Full	18.196	19.63	PASS
N77-3700 -3980	30	20	CP-16QAM	M	Outer_Full	18.156	19.49	PASS
N77-3700 -3980	30	20	CP-64QAM	M	Outer_Full	18.197	19.86	PASS
N77-3700 -3980	30	20	CP-256QAM	M	Outer_Full	18.183	19.73	PASS
N77-3700 -3980	30	30	CP-QPSK	M	Outer_Full	27.858	29.64	PASS
N77-3700 -3980	30	30	CP-16QAM	M	Outer_Full	27.814	29.55	PASS
N77-3700 -3980	30	30	CP-64QAM	M	Outer_Full	27.865	29.78	PASS
N77-3700 -3980	30	30	CP-256QAM	M	Outer_Full	27.765	29.29	PASS
N77-3700 -3980	30	40	CP-QPSK	M	Outer_Full	37.843	40.00	PASS
N77-3700 -3980	30	40	CP-16QAM	M	Outer_Full	37.857	40.00	PASS
N77-3700 -3980	30	40	CP-64QAM	M	Outer_Full	37.773	39.89	PASS
N77-3700 -3980	30	40	CP-256QAM	M	Outer_Full	37.862	40.02	PASS
N77-3700 -3980	30	50	CP-QPSK	M	Outer_Full	47.477	49.76	PASS
N77-3700 -3980	30	50	CP-16QAM	M	Outer_Full	47.521	49.62	PASS
N77-3700 -3980	30	50	CP-64QAM	M	Outer_Full	47.469	49.69	PASS
N77-3700 -3980	30	50	CP-256QAM	M	Outer_Full	47.518	49.69	PASS
N77-3700 -3980	30	60	CP-QPSK	M	Outer_Full	57.803	60.44	PASS
N77-3700 -3980	30	60	CP-16QAM	M	Outer_Full	57.810	60.30	PASS
N77-3700 -3980	30	60	CP-64QAM	M	Outer_Full	57.796	60.14	PASS
N77-3700 -3980	30	60	CP-256QAM	M	Outer_Full	57.714	60.21	PASS
N77-3700 -3980	30	70	CP-QPSK	M	Outer_Full	67.461	70.13	PASS
N77-3700	30	70	CP-16QAM	M	Outer_Full	67.487	70.20	PASS

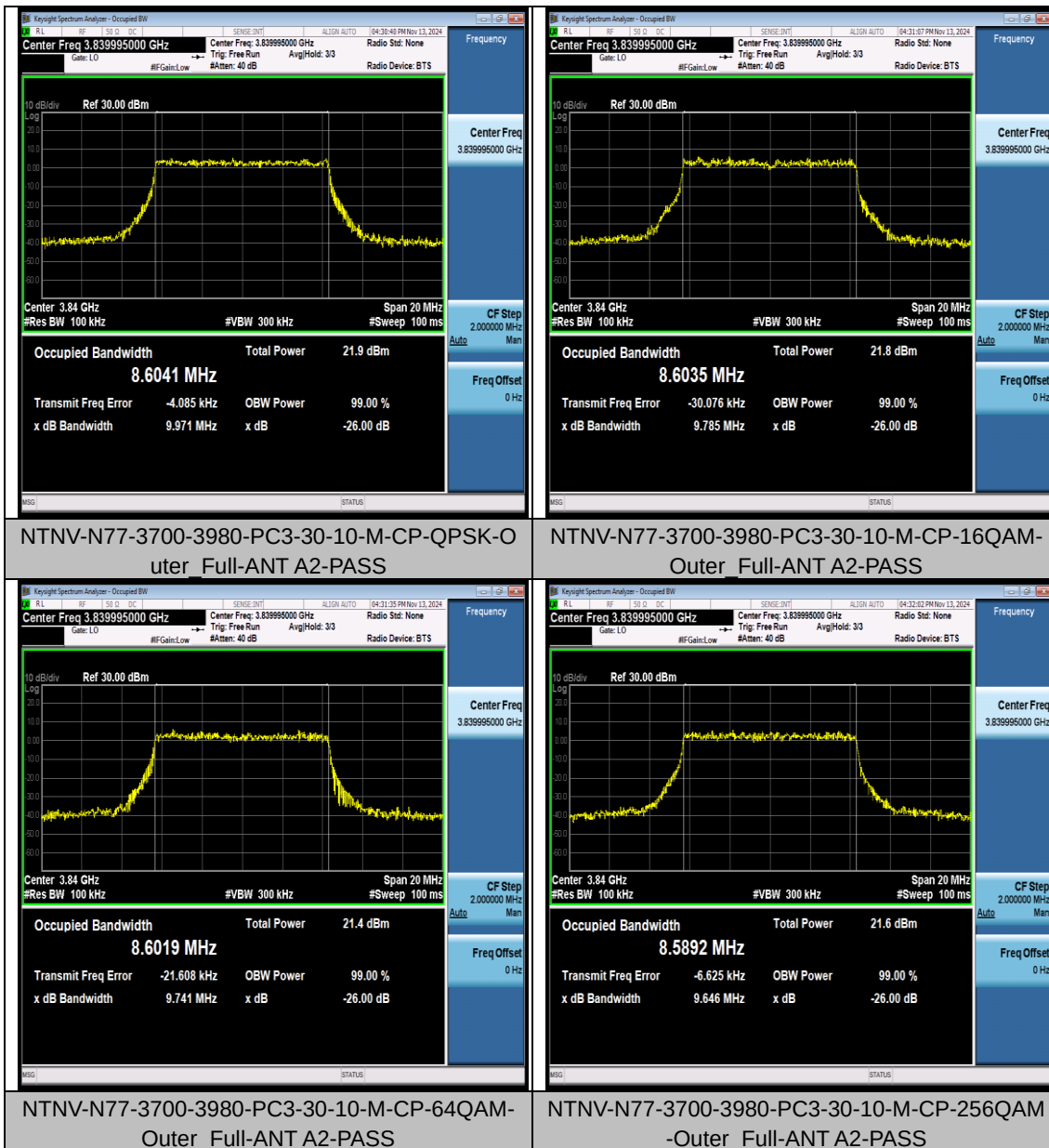


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Reference No.: W7L-P24090006RF01

-3980								
N77-3700 -3980	30	70	CP-64QAM	M	Outer_Full	67.504	70.05	PASS
N77-3700 -3980	30	70	CP-256QAM	M	Outer_Full	67.416	69.90	PASS
N77-3700 -3980	30	80	CP-QPSK	M	Outer_Full	77.553	80.32	PASS
N77-3700 -3980	30	80	CP-16QAM	M	Outer_Full	77.306	80.15	PASS
N77-3700 -3980	30	80	CP-64QAM	M	Outer_Full	77.410	80.45	PASS
N77-3700 -3980	30	80	CP-256QAM	M	Outer_Full	77.360	80.10	PASS
N77-3700 -3980	30	90	CP-QPSK	M	Outer_Full	87.370	90.52	PASS
N77-3700 -3980	30	90	CP-16QAM	M	Outer_Full	87.404	90.58	PASS
N77-3700 -3980	30	90	CP-64QAM	M	Outer_Full	87.360	90.47	PASS
N77-3700 -3980	30	90	CP-256QAM	M	Outer_Full	87.338	90.62	PASS
N77-3700 -3980	30	100	CP-QPSK	M	Outer_Full	97.400	100.6	PASS
N77-3700 -3980	30	100	CP-16QAM	M	Outer_Full	97.554	100.6	PASS
N77-3700 -3980	30	100	CP-64QAM	M	Outer_Full	97.506	100.6	PASS
N77-3700 -3980	30	100	CP-256QAM	M	Outer_Full	97.495	100.7	PASS

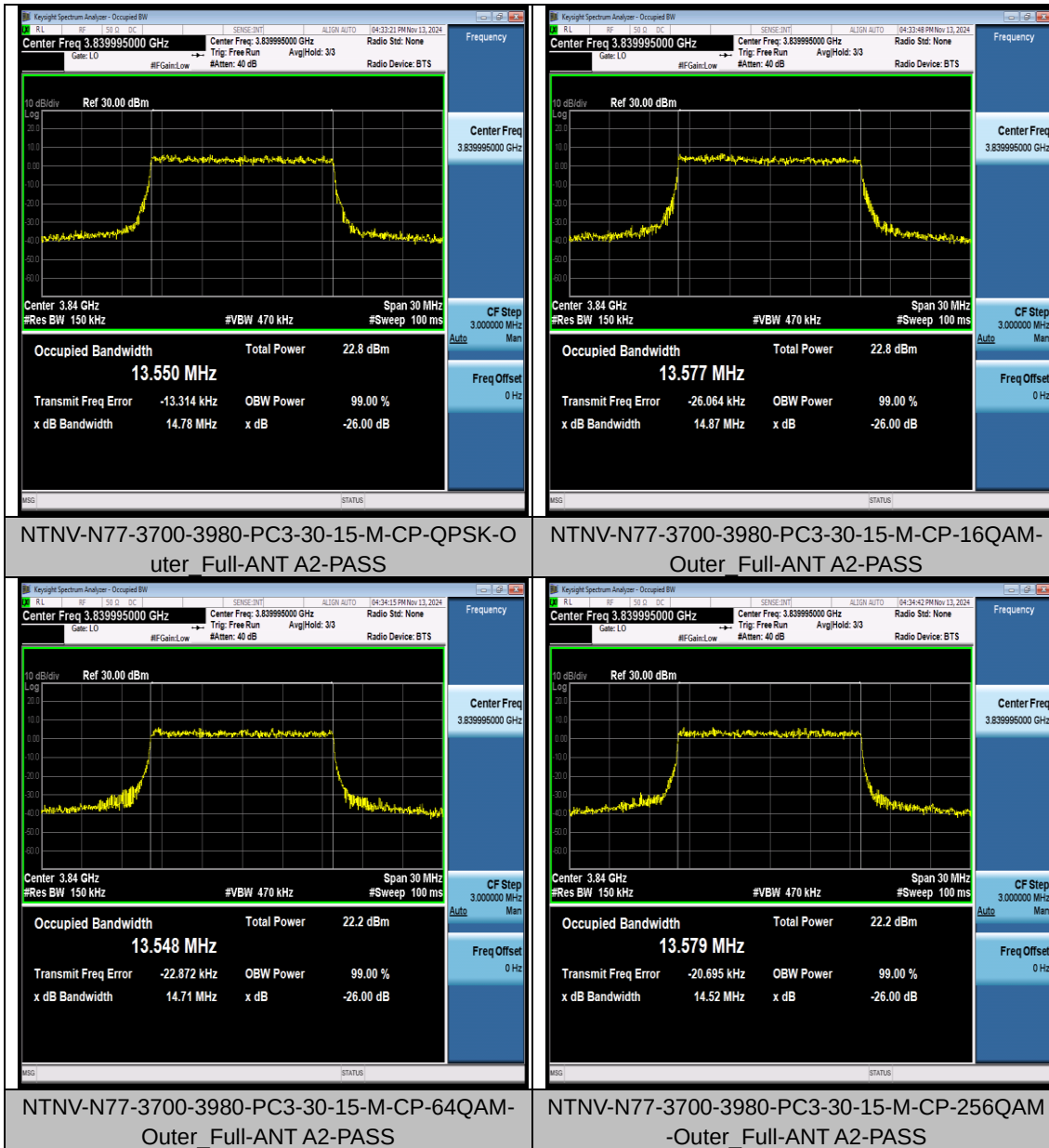
TEST GRAPHS-ANT A2





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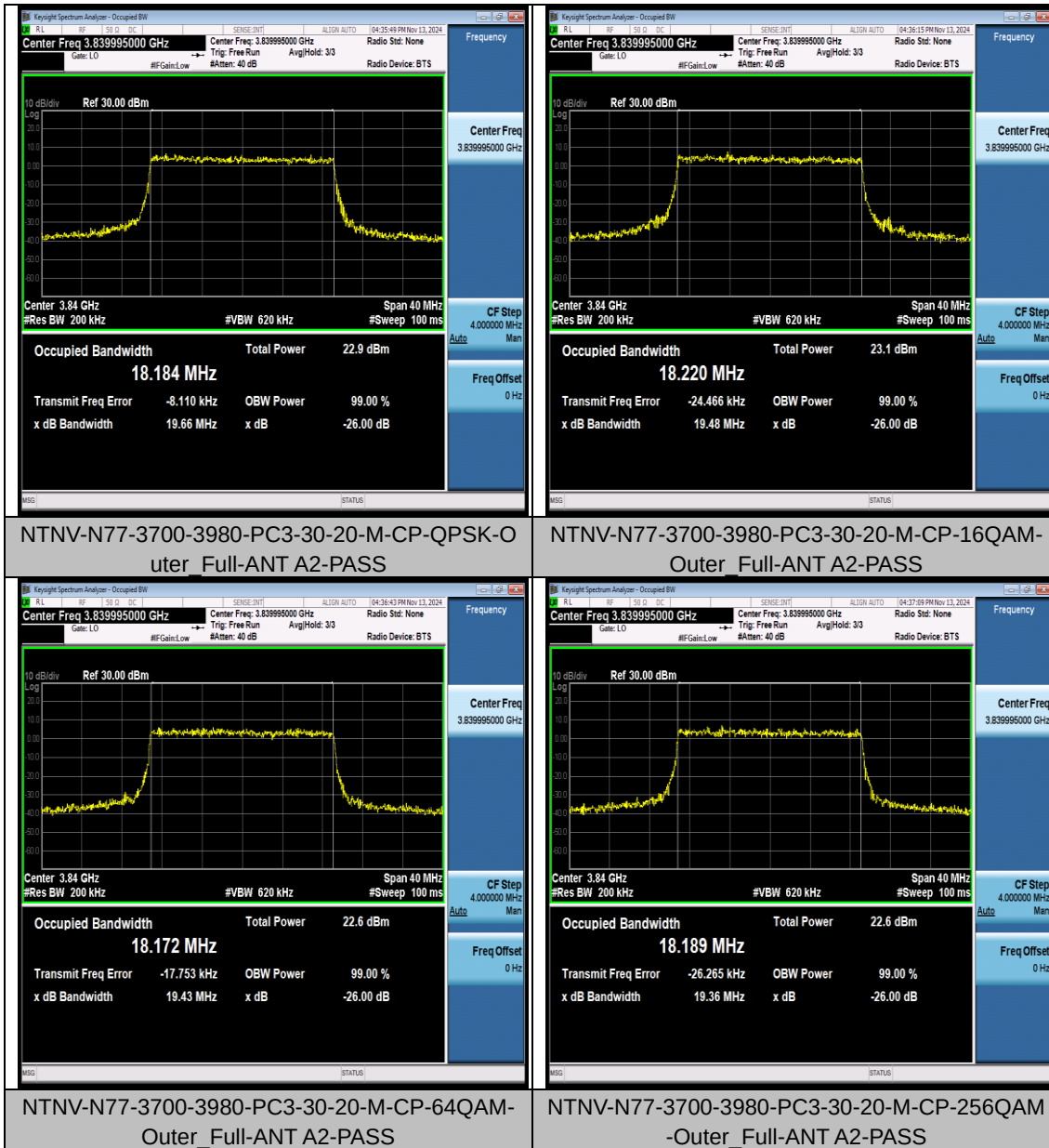
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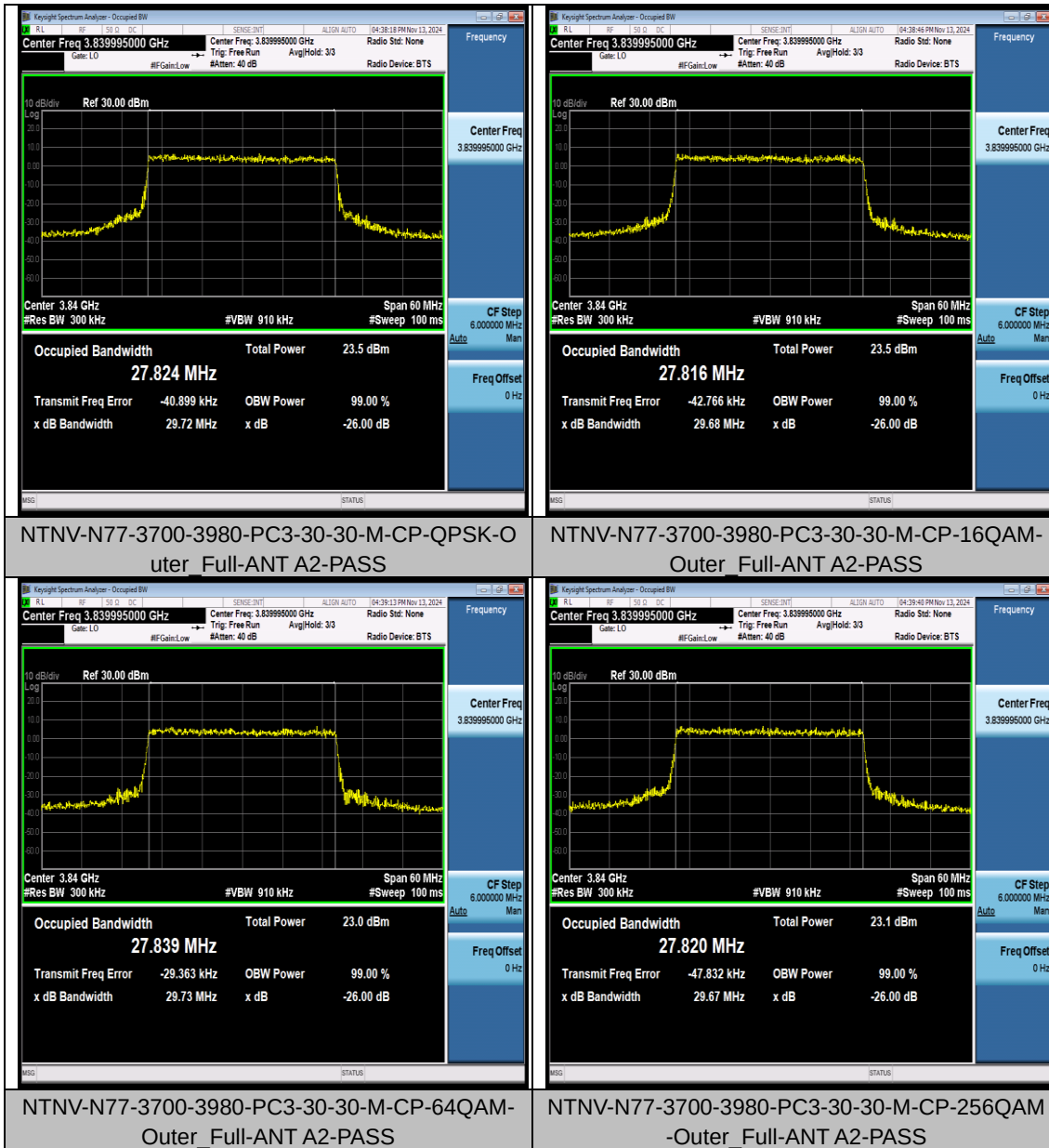
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VERITAS

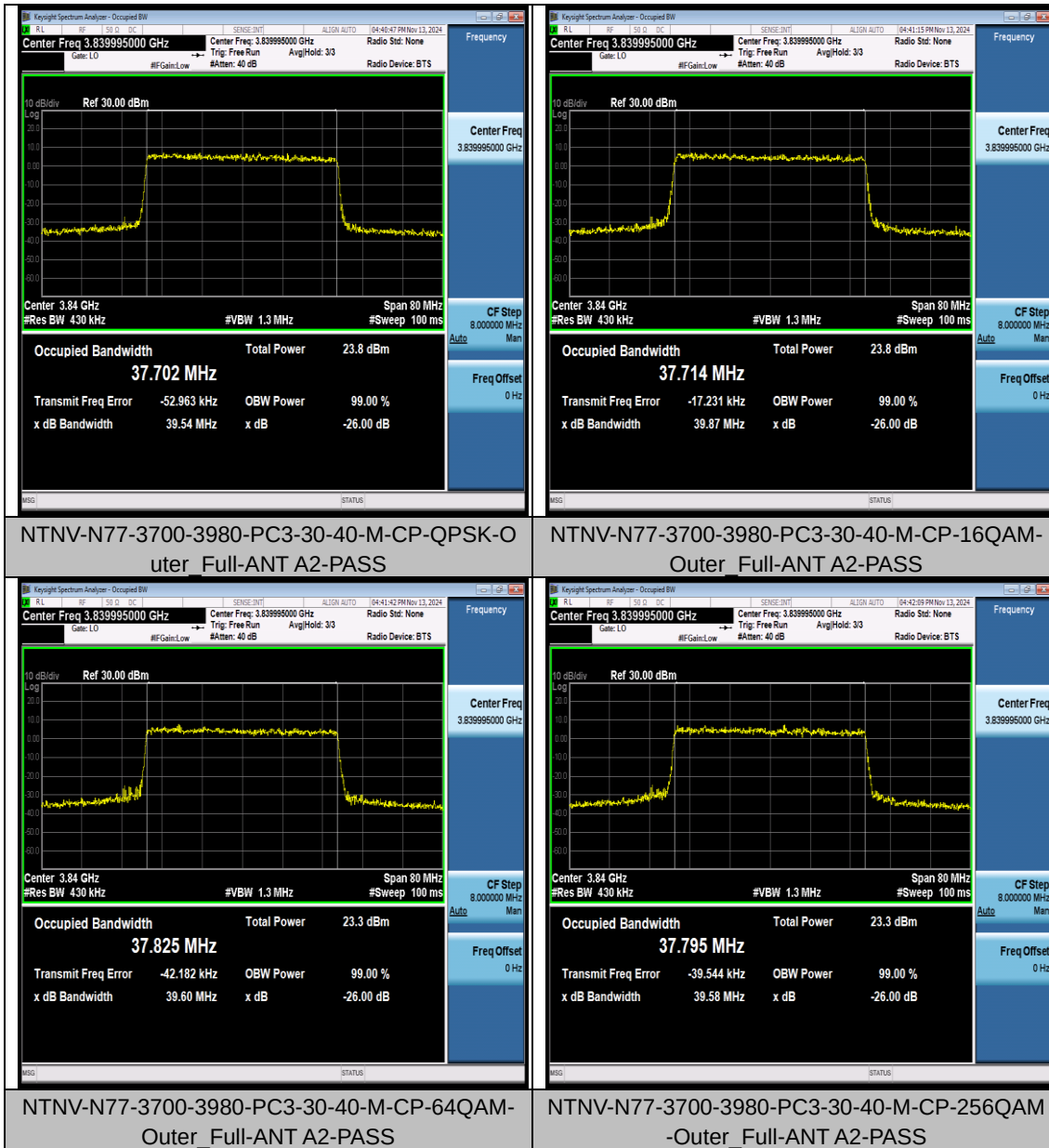
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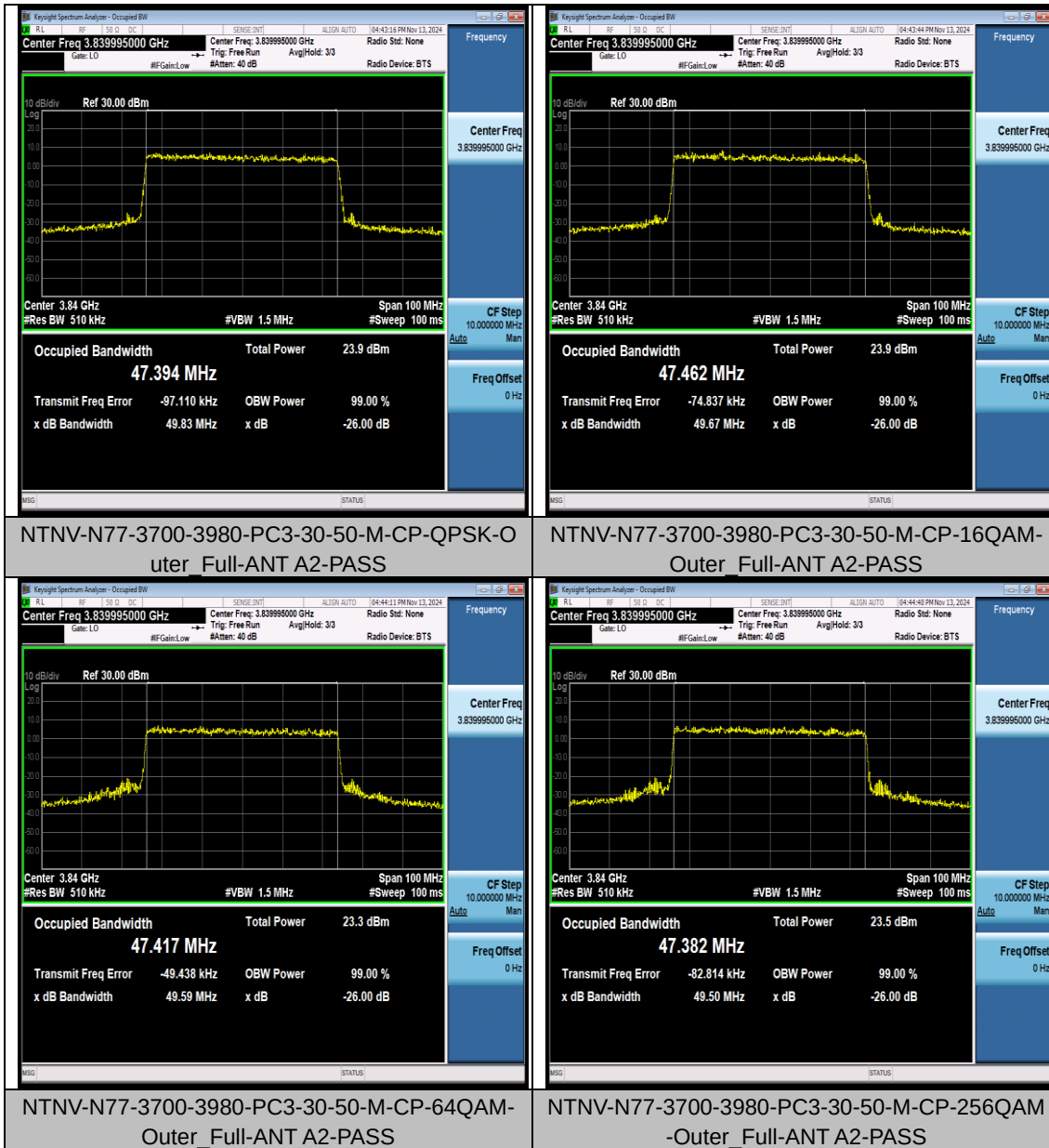
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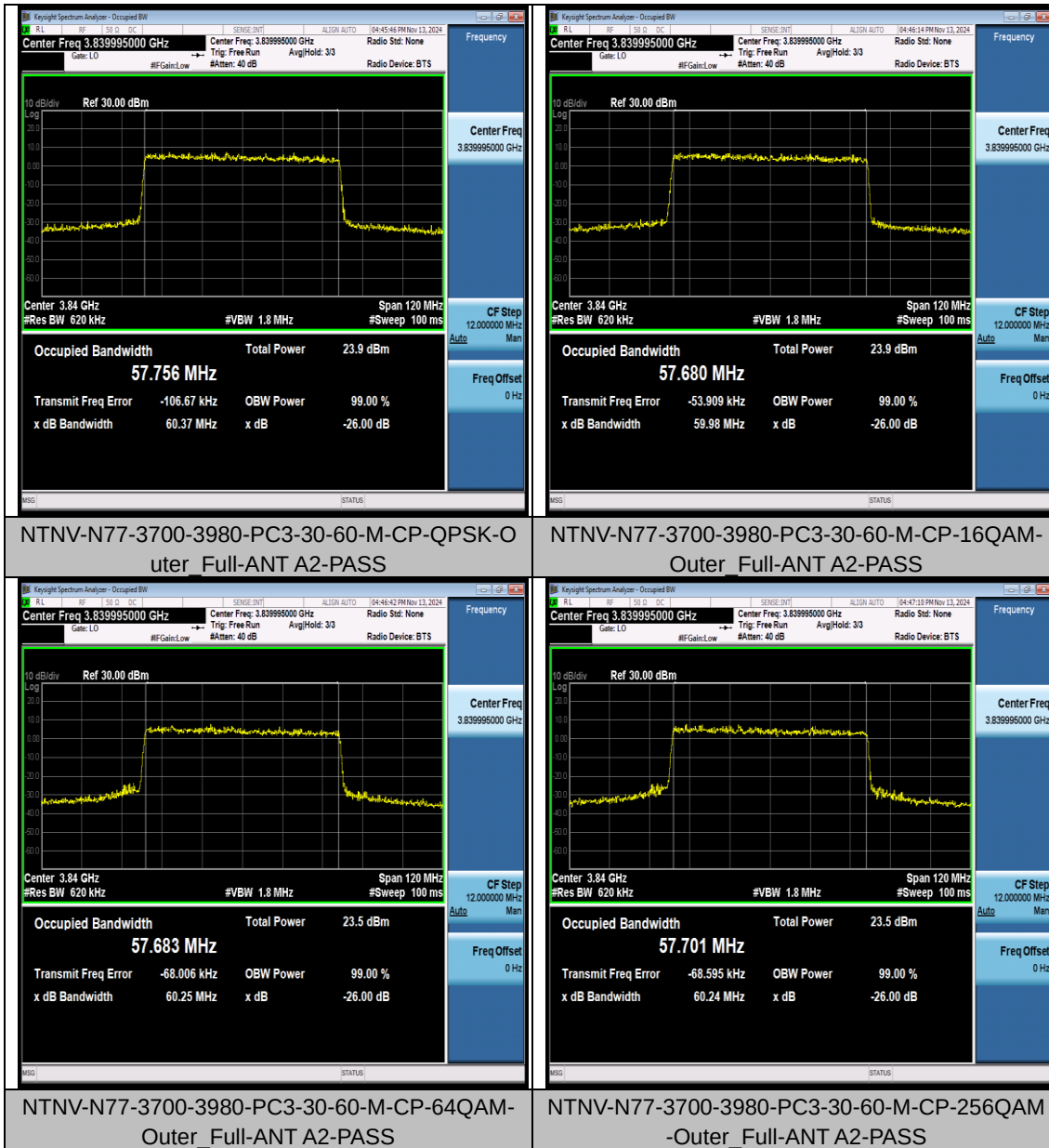
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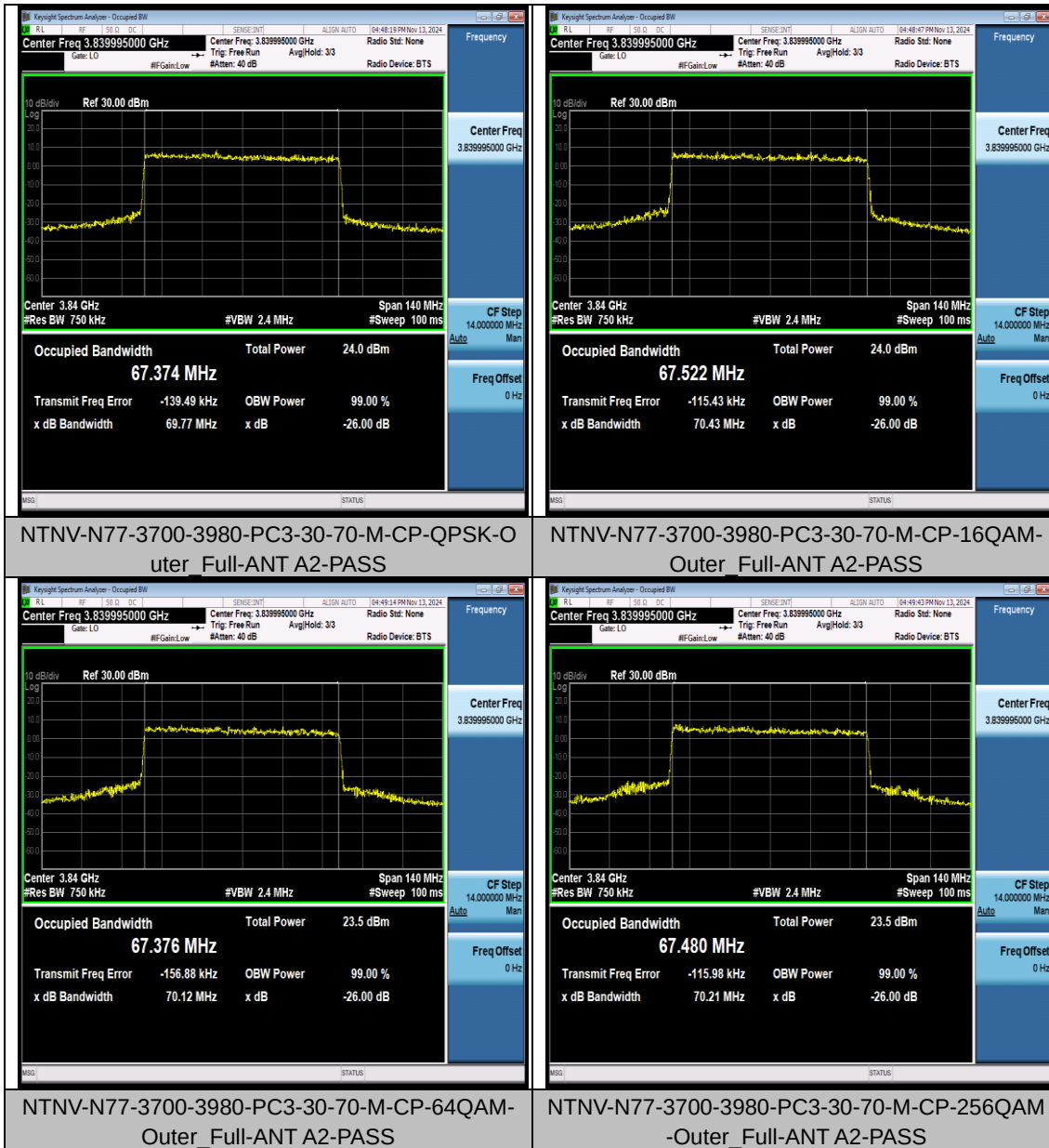
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