



Conducted Spurious Emission

Test Result

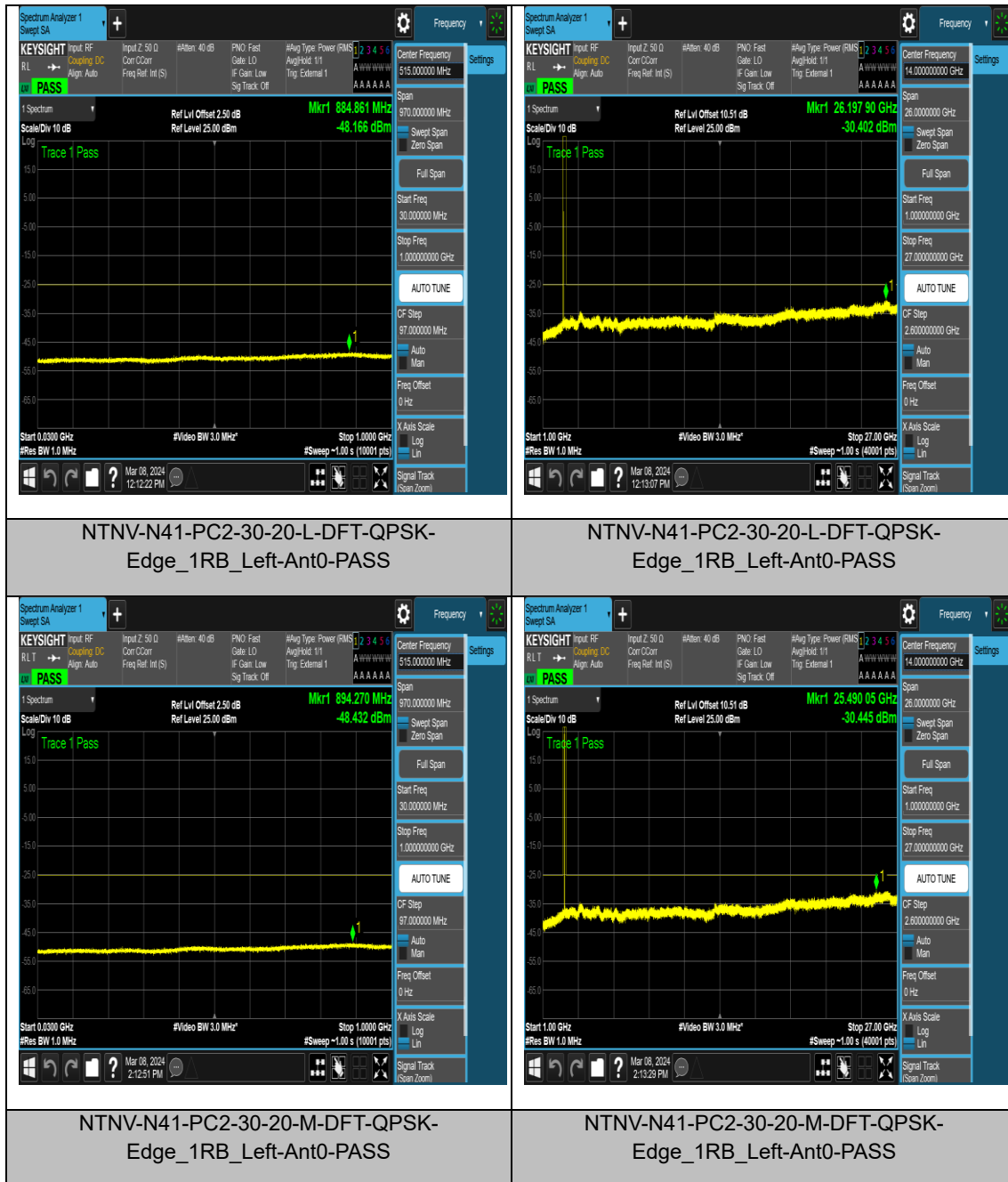
Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N41	30	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.17	-25	PASS
N41	30	20	DFT-QPSK	L	Edge_1RB_Left	1000	27000	-30.40	-25	PASS
N41	30	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.43	-25	PASS
N41	30	20	DFT-QPSK	M	Edge_1RB_Left	1000	27000	-30.45	-25	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.35	-25	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Left	1000	27000	-30.40	-25	PASS
N41	30	60	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.44	-25	PASS
N41	30	60	DFT-QPSK	L	Edge_1RB_Left	1000	27000	-29.94	-25	PASS
N41	30	60	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.39	-25	PASS
N41	30	60	DFT-QPSK	M	Edge_1RB_Left	1000	27000	-30.09	-25	PASS
N41	30	60	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.34	-25	PASS
N41	30	60	DFT-QPSK	H	Edge_1RB_Left	1000	27000	-30.36	-25	PASS
N41	30	100	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.11	-25	PASS
N41	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	27000	-30.01	-25	PASS
N41	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.51	-25	PASS
N41	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	27000	-30.31	-25	PASS
N41	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.24	-25	PASS
N41	30	100	DFT-QPSK	H	Edge_1RB_Left	1000	27000	-29.98	-25	PASS



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Reference No.: W7L-231218W001RF11

Test Graphs



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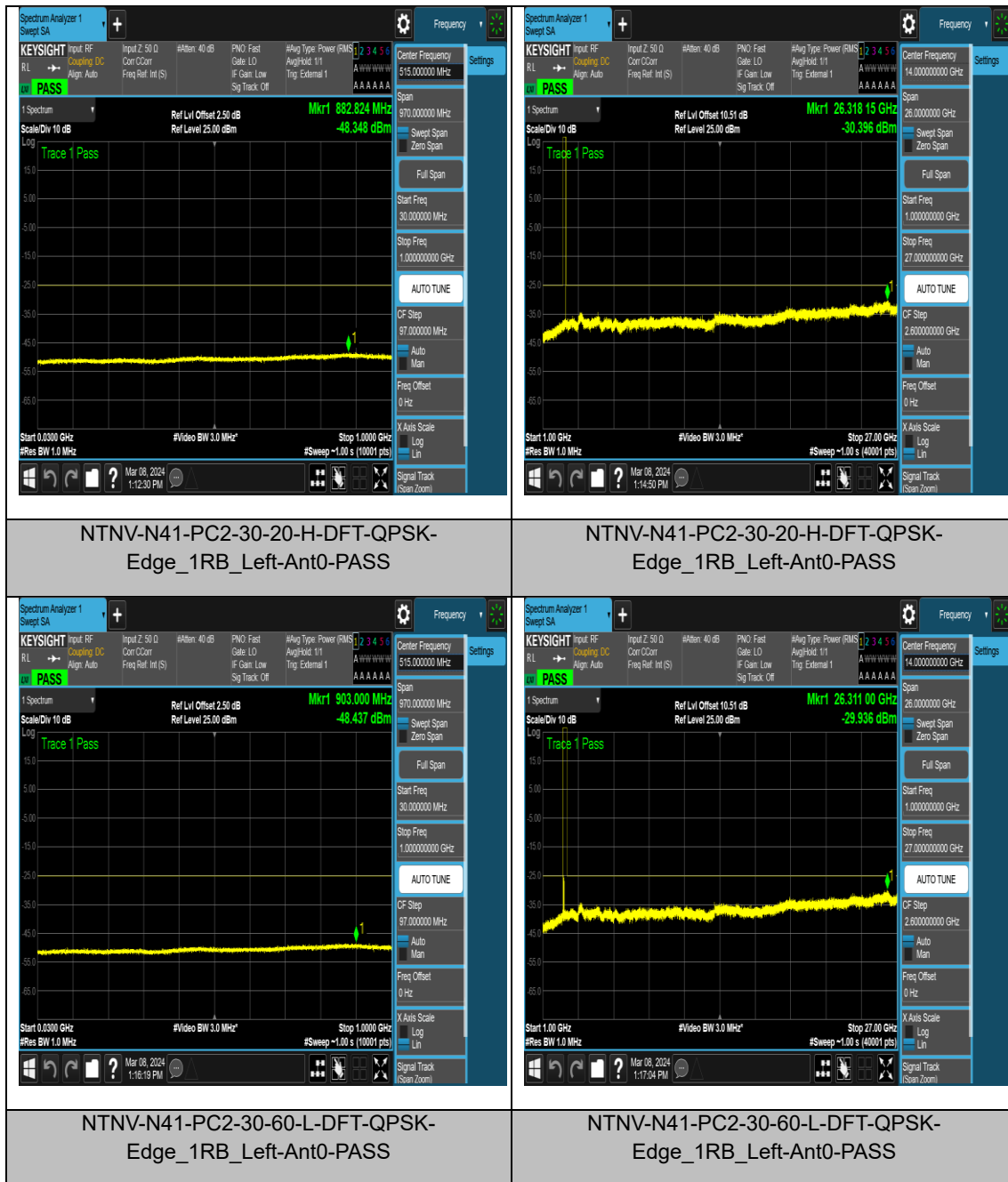
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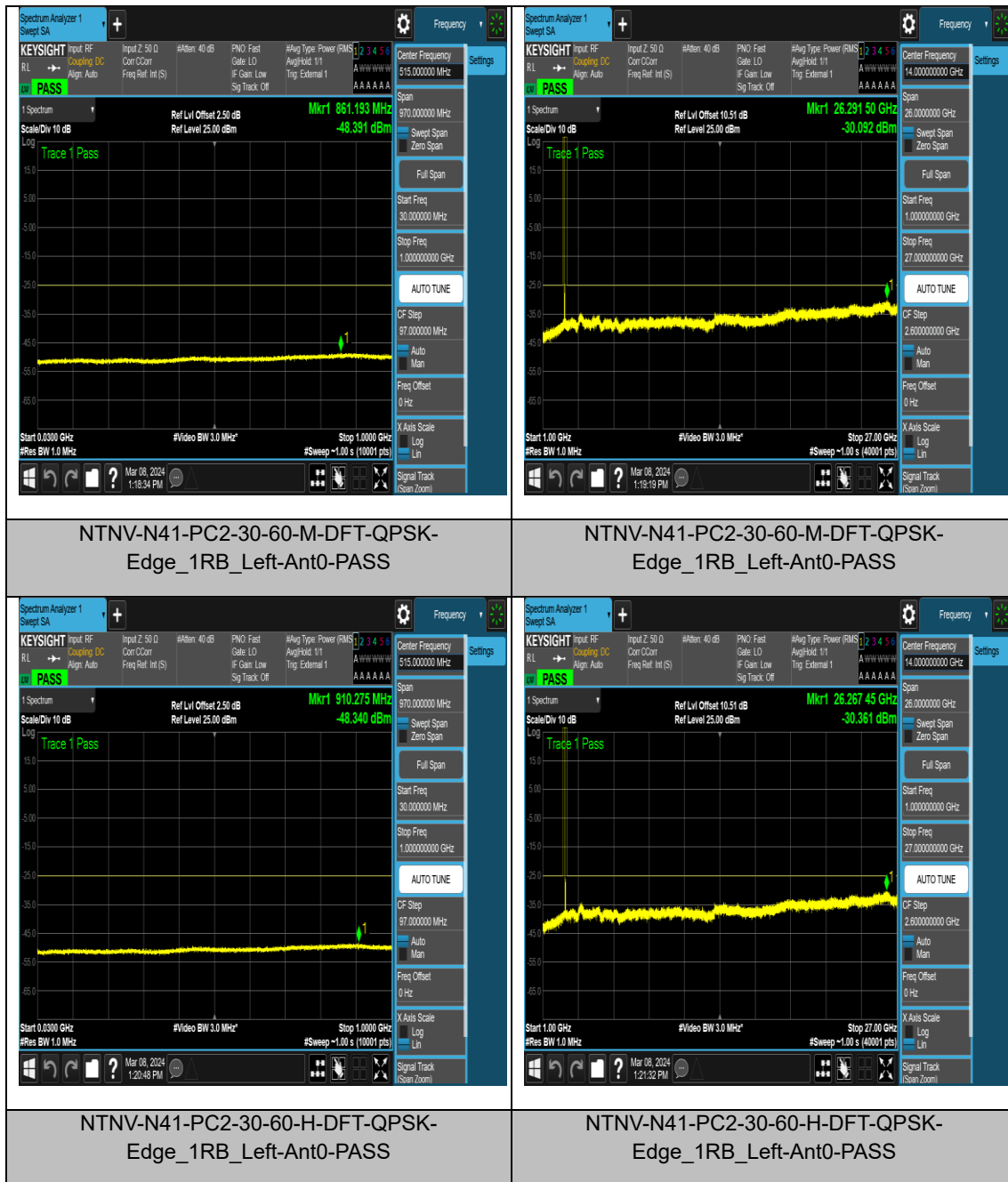
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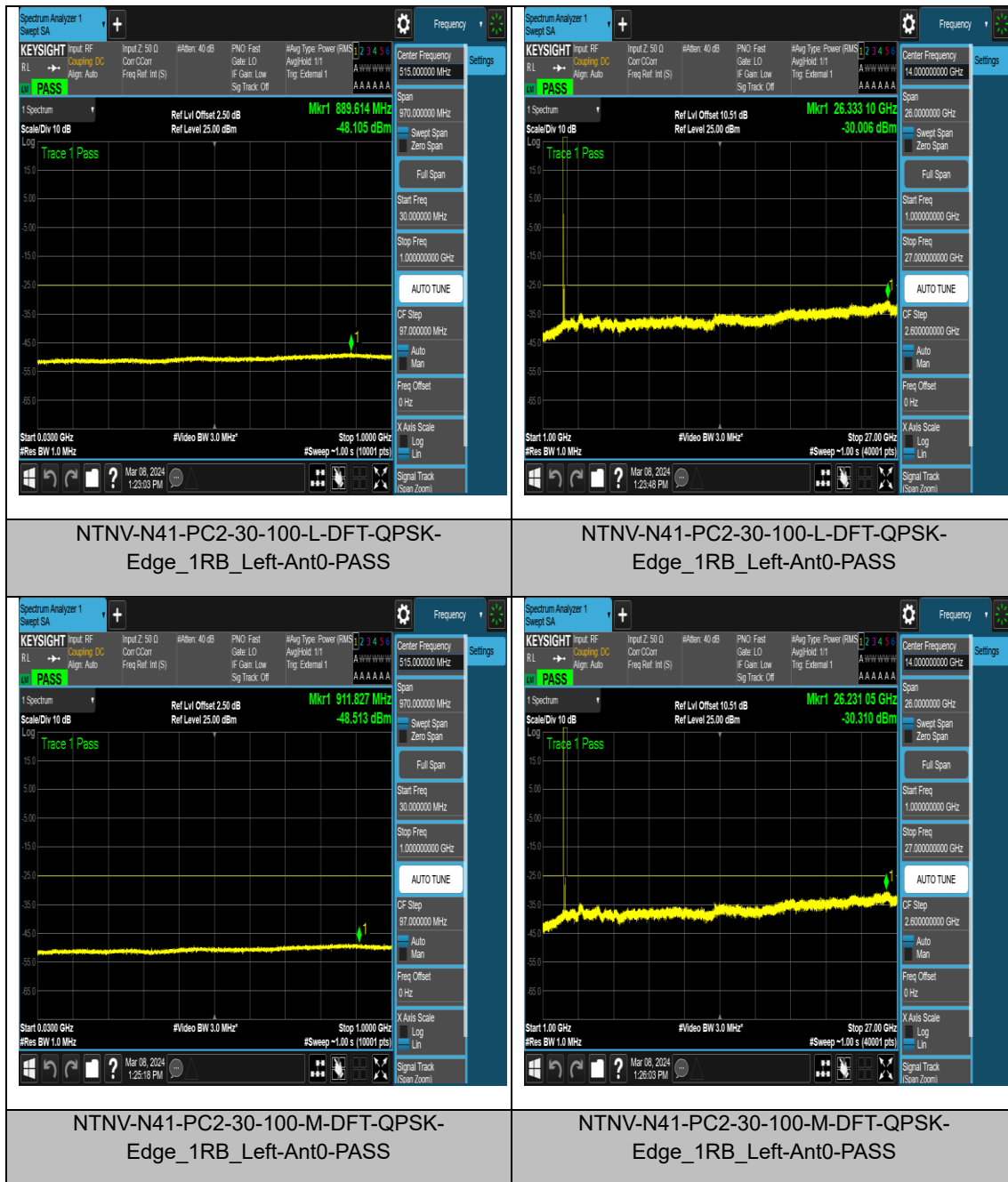
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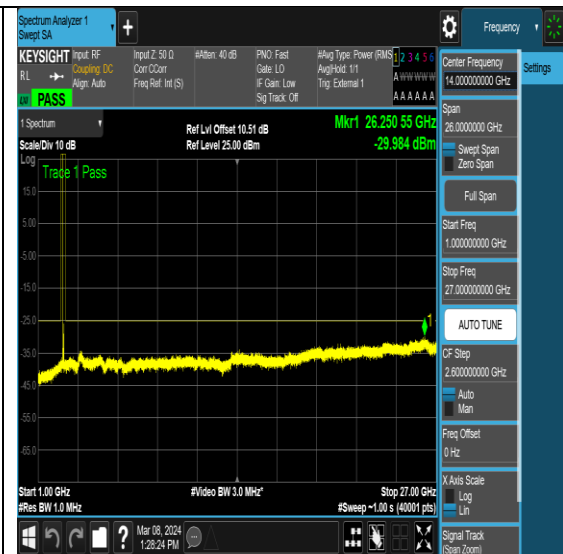


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NTNV-N41-PC2-30-100-H-DFT-QPSK-
Edge_1RB_Left-Ant0-PASS



NTNV-N41-PC2-30-100-H-DFT-QPSK-
Edge_1RB_Left-Ant0-PASS



Frequency Stability

Test Result

voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	VL	NT	12.000000	0.004788	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VN	NT	18.000000	0.007183	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VH	NT	8.000000	0.003192	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-30	3.000000	0.001197	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-20	2.000000	0.000798	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-10	1.000000	0.000399	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	0	3.000000	0.001197	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	10	12.000000	0.004788	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	20	10.000000	0.003989	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	30	16.000000	0.006385	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	40	8.000000	0.003192	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	50	10.000000	0.003989	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VL	NT	17.000000	0.006556	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VN	NT	19.000000	0.007327	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VH	NT	5.000000	0.001928	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-30	7.000000	0.002700	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-20	12.000000	0.004628	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-10	14.000000	0.005399	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	0	13.000000	0.005014	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	10	12.000000	0.004628	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	20	14.000000	0.005399	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	30	10.000000	0.003857	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	40	15.000000	0.005785	PASS



N41	30	20	DFT-QPSK	M	Outer_Full	NV	50	10.000000	0.003857	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VL	NT	11.000000	0.004104	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VN	NT	1.000000	0.000373	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VH	NT	19.000000	0.007090	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-30	13.000000	0.004851	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-20	5.000000	0.001866	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-10	14.000000	0.005224	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	0	16.000000	0.005970	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	10	18.000000	0.006716	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	20	17.000000	0.006343	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	30	12.000000	0.004478	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	40	7.000000	0.002612	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	50	9.000000	0.003358	PASS



N41_UL_MIMO

Peak-to-Average Ratio(CCDF)

Test Result-Ant2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	6.58	≤13	PASS
N41	30	20	CP-QPSK	L	Edge_1RB_Left	5.72	≤13	PASS
N41	30	20	CP-QPSK	M	Outer_Full	6.61	≤13	PASS
N41	30	20	CP-QPSK	M	Edge_1RB_Left	5.67	≤13	PASS
N41	30	20	CP-QPSK	H	Outer_Full	6.59	≤13	PASS
N41	30	20	CP-QPSK	H	Edge_1RB_Left	5.63	≤13	PASS

Test Result-Ant0

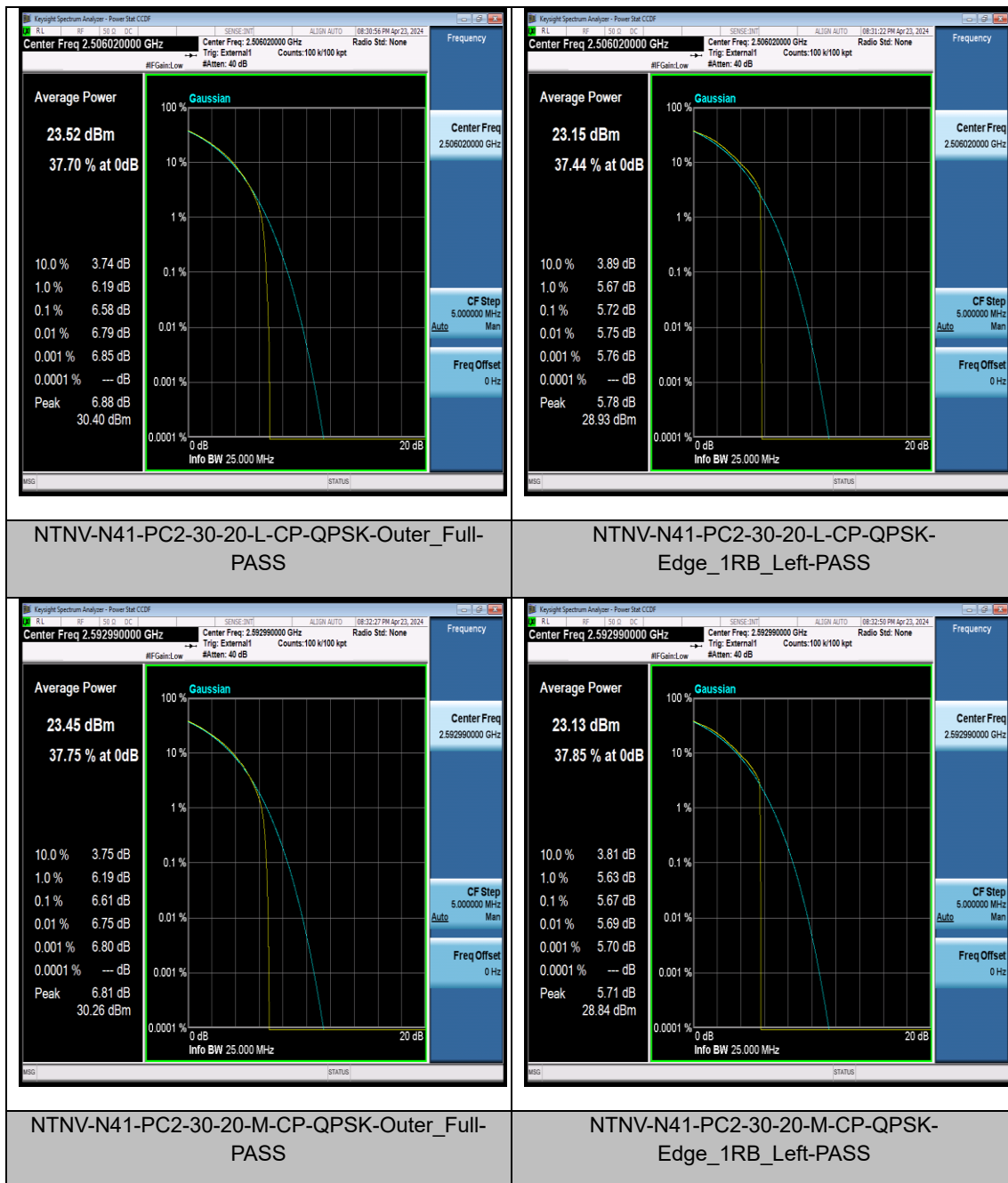
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	6.57	≤13	PASS
N41	30	20	CP-QPSK	L	Edge_1RB_Left	6.03	≤13	PASS
N41	30	20	CP-QPSK	M	Outer_Full	6.61	≤13	PASS
N41	30	20	CP-QPSK	M	Edge_1RB_Left	5.81	≤13	PASS
N41	30	20	CP-QPSK	H	Outer_Full	6.62	≤13	PASS
N41	30	20	CP-QPSK	H	Edge_1RB_Left	5.59	≤13	PASS



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Test Graphs-Ant2



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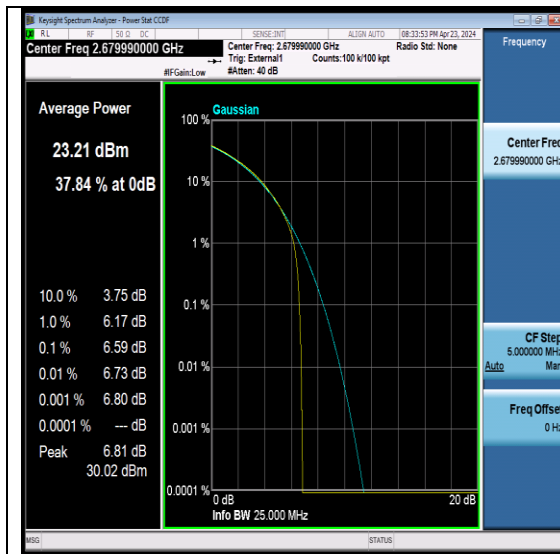
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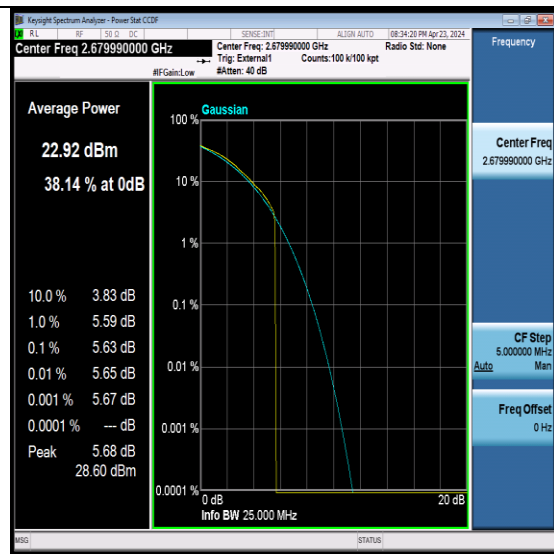


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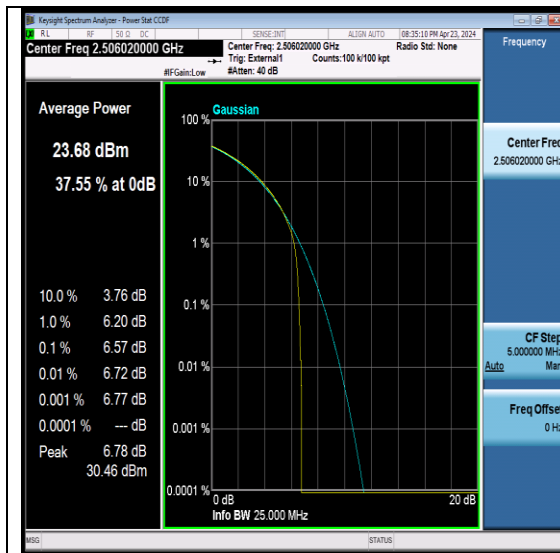


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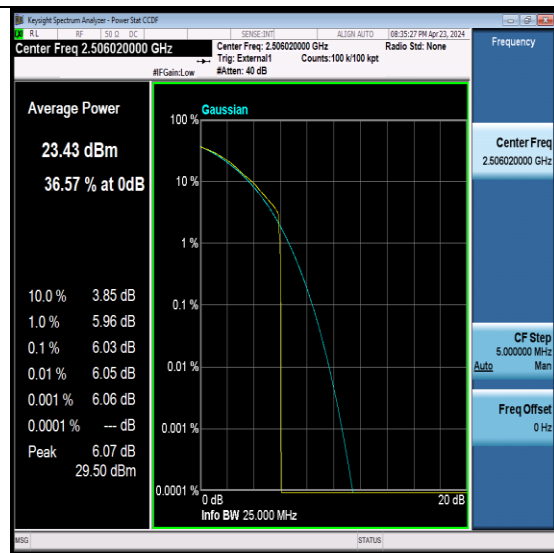


NTNV-N41-PC2-30-20-H-CP-QPSK-Edge_1RB_Left-PASS

Test Graphs-Ant0



NTNV-N41-PC2-30-20-L-CP-QPSK-Outter_Full-PASS



NTNV-N41-PC2-30-20-L-CP-QPSK-Edge_1RB_Left-PASS

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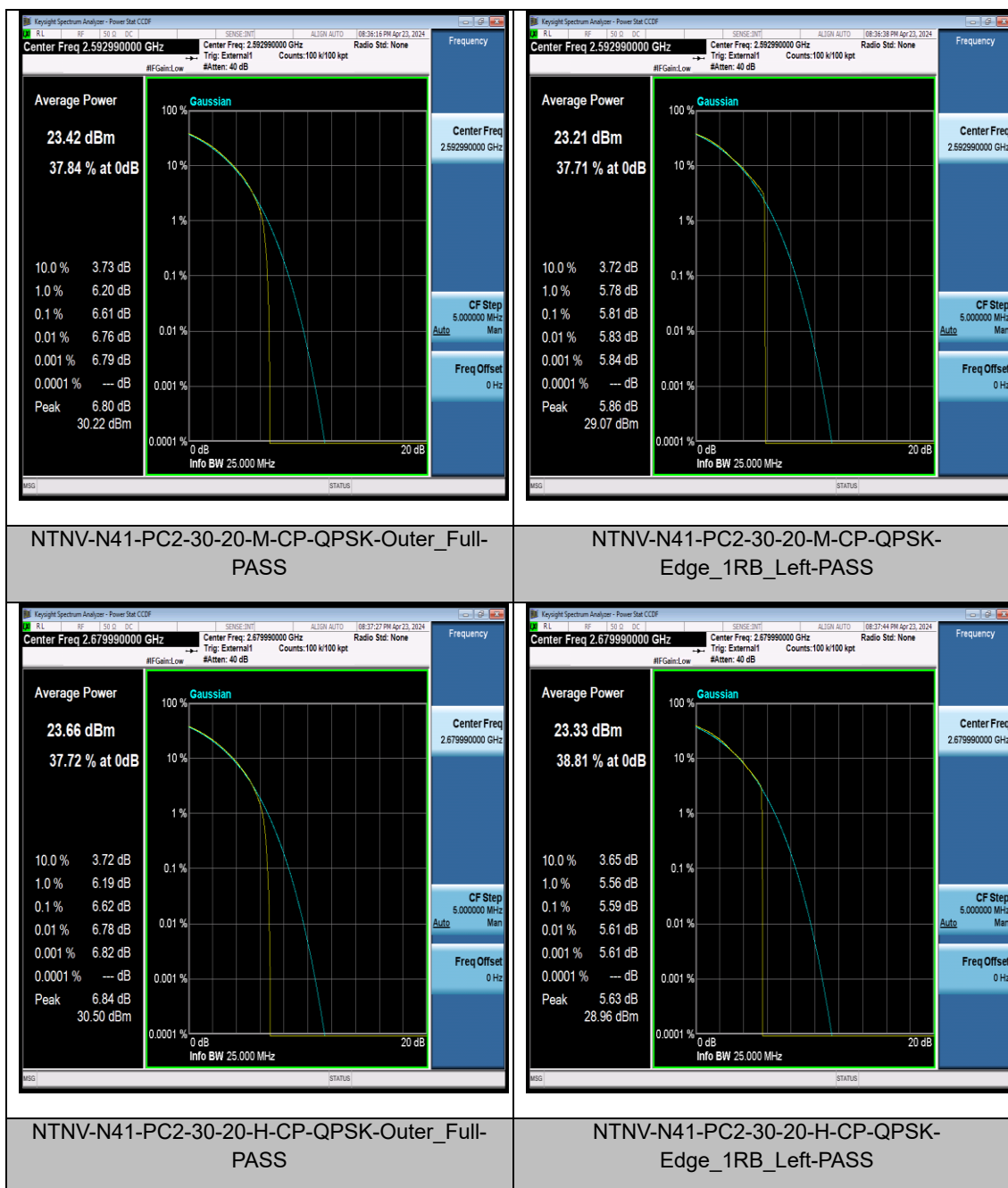
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26dB Bandwidth and Occupied Bandwidth for MIMO

Test Result-Ant2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30	20	CP-QPSK	M	Outer_Full	18.183	19.18	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.232	19.43	PASS
N41	30	20	CP-64QAM	M	Outer_Full	18.176	19.29	PASS
N41	30	20	CP-256QAM	M	Outer_Full	18.194	19.31	PASS
N41	30	30	CP-QPSK	M	Outer_Full	27.842	29.17	PASS
N41	30	30	CP-16QAM	M	Outer_Full	27.846	29.39	PASS
N41	30	30	CP-64QAM	M	Outer_Full	27.848	29.38	PASS
N41	30	30	CP-256QAM	M	Outer_Full	27.834	29.19	PASS
N41	30	40	CP-QPSK	M	Outer_Full	37.726	39.31	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.806	39.60	PASS
N41	30	40	CP-64QAM	M	Outer_Full	37.837	39.51	PASS
N41	30	40	CP-256QAM	M	Outer_Full	37.803	39.18	PASS
N41	30	50	CP-QPSK	M	Outer_Full	47.401	49.25	PASS
N41	30	50	CP-16QAM	M	Outer_Full	47.476	49.17	PASS
N41	30	50	CP-64QAM	M	Outer_Full	47.431	49.09	PASS
N41	30	50	CP-256QAM	M	Outer_Full	47.418	49.23	PASS
N41	30	60	CP-QPSK	M	Outer_Full	57.768	60.15	PASS
N41	30	60	CP-16QAM	M	Outer_Full	57.796	60.00	PASS
N41	30	60	CP-64QAM	M	Outer_Full	57.737	60.12	PASS
N41	30	60	CP-256QAM	M	Outer_Full	57.763	59.89	PASS
N41	30	70	CP-QPSK	M	Outer_Full	67.403	69.74	PASS
N41	30	70	CP-16QAM	M	Outer_Full	67.535	69.81	PASS
N41	30	70	CP-64QAM	M	Outer_Full	67.420	69.98	PASS
N41	30	70	CP-256QAM	M	Outer_Full	67.485	69.92	PASS
N41	30	80	CP-QPSK	M	Outer_Full	77.333	80.07	PASS



N41	30	80	CP-16QAM	M	Outer_Full	77.344	79.94	PASS
N41	30	80	CP-64QAM	M	Outer_Full	77.278	79.95	PASS
N41	30	80	CP-256QAM	M	Outer_Full	77.318	80.16	PASS
N41	30	90	CP-QPSK	M	Outer_Full	87.440	90.33	PASS
N41	30	90	CP-16QAM	M	Outer_Full	87.376	90.27	PASS
N41	30	90	CP-64QAM	M	Outer_Full	87.433	90.27	PASS
N41	30	90	CP-256QAM	M	Outer_Full	87.539	90.43	PASS
N41	30	100	CP-QPSK	M	Outer_Full	97.364	100.5	PASS
N41	30	100	CP-16QAM	M	Outer_Full	97.360	100.5	PASS
N41	30	100	CP-64QAM	M	Outer_Full	97.367	100.6	PASS
N41	30	100	CP-256QAM	M	Outer_Full	97.331	100.4	PASS

Test Result-Ant0

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30	20	CP-QPSK	M	Outer_Full	18.197	19.23	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.185	19.39	PASS
N41	30	20	CP-64QAM	M	Outer_Full	18.177	19.26	PASS
N41	30	20	CP-256QAM	M	Outer_Full	18.180	19.21	PASS
N41	30	30	CP-QPSK	M	Outer_Full	27.848	29.33	PASS
N41	30	30	CP-16QAM	M	Outer_Full	27.819	28.98	PASS
N41	30	30	CP-64QAM	M	Outer_Full	27.872	29.34	PASS
N41	30	30	CP-256QAM	M	Outer_Full	27.806	29.12	PASS
N41	30	40	CP-QPSK	M	Outer_Full	37.835	39.65	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.830	39.71	PASS
N41	30	40	CP-64QAM	M	Outer_Full	37.793	39.54	PASS
N41	30	40	CP-256QAM	M	Outer_Full	37.836	39.71	PASS
N41	30	50	CP-QPSK	M	Outer_Full	47.440	49.39	PASS
N41	30	50	CP-16QAM	M	Outer_Full	47.461	49.43	PASS
N41	30	50	CP-64QAM	M	Outer_Full	47.459	49.23	PASS



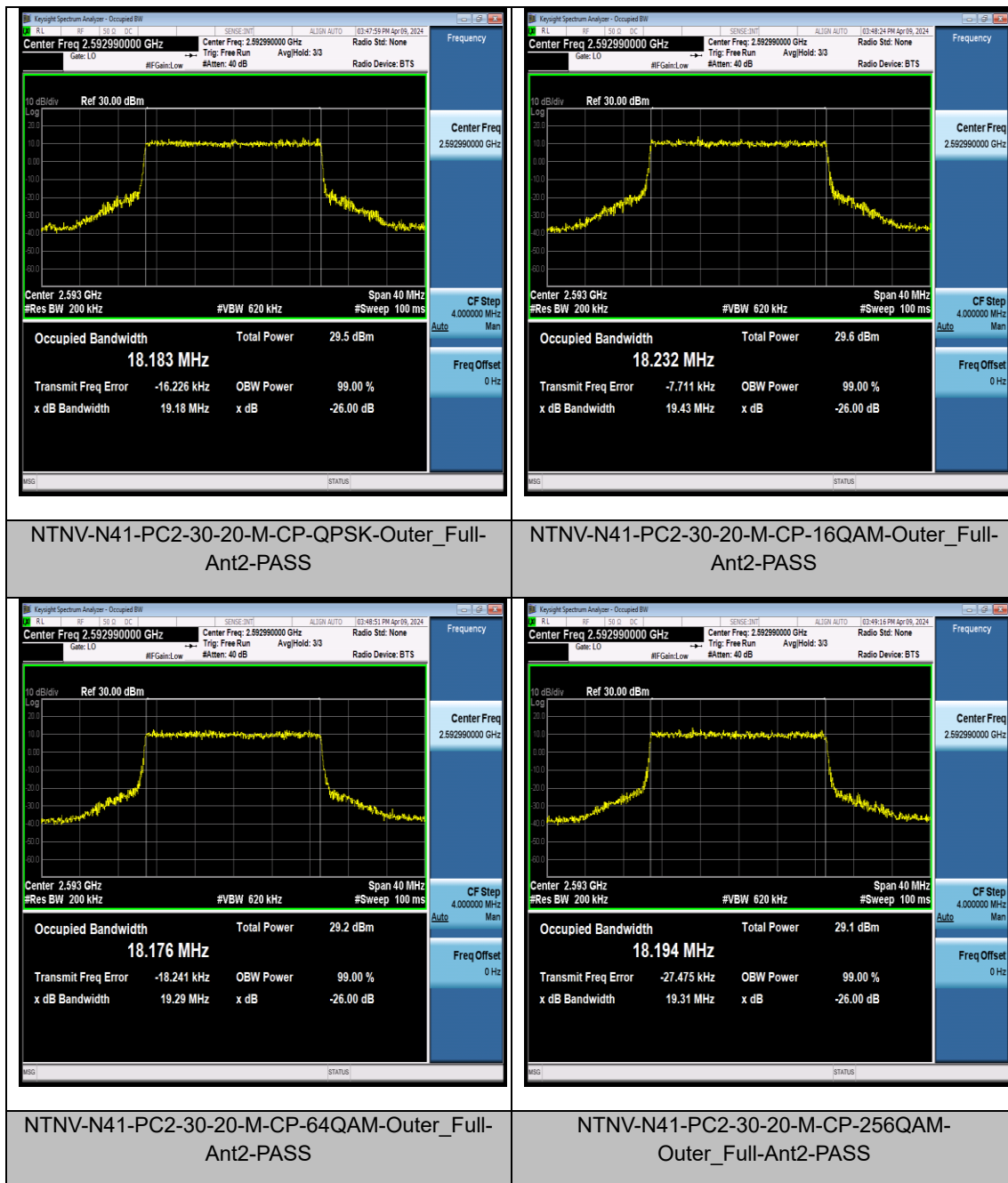
N41	30	50	CP-256QAM	M	Outer_Full	47.421	49.16	PASS
N41	30	60	CP-QPSK	M	Outer_Full	57.686	60.06	PASS
N41	30	60	CP-16QAM	M	Outer_Full	57.745	59.72	PASS
N41	30	60	CP-64QAM	M	Outer_Full	57.725	59.78	PASS
N41	30	60	CP-256QAM	M	Outer_Full	57.624	59.74	PASS
N41	30	70	CP-QPSK	M	Outer_Full	67.324	69.82	PASS
N41	30	70	CP-16QAM	M	Outer_Full	67.384	69.89	PASS
N41	30	70	CP-64QAM	M	Outer_Full	67.358	69.84	PASS
N41	30	70	CP-256QAM	M	Outer_Full	67.263	69.73	PASS
N41	30	80	CP-QPSK	M	Outer_Full	77.434	80.03	PASS
N41	30	80	CP-16QAM	M	Outer_Full	77.180	80.01	PASS
N41	30	80	CP-64QAM	M	Outer_Full	77.234	79.98	PASS
N41	30	80	CP-256QAM	M	Outer_Full	77.210	80.25	PASS
N41	30	90	CP-QPSK	M	Outer_Full	87.202	90.21	PASS
N41	30	90	CP-16QAM	M	Outer_Full	87.251	90.26	PASS
N41	30	90	CP-64QAM	M	Outer_Full	87.230	90.19	PASS
N41	30	90	CP-256QAM	M	Outer_Full	87.165	90.37	PASS
N41	30	100	CP-QPSK	M	Outer_Full	97.223	100.5	PASS
N41	30	100	CP-16QAM	M	Outer_Full	97.385	100.5	PASS
N41	30	100	CP-64QAM	M	Outer_Full	97.322	100.5	PASS
N41	30	100	CP-256QAM	M	Outer_Full	97.362	100.5	PASS



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Test Graphs-Ant2



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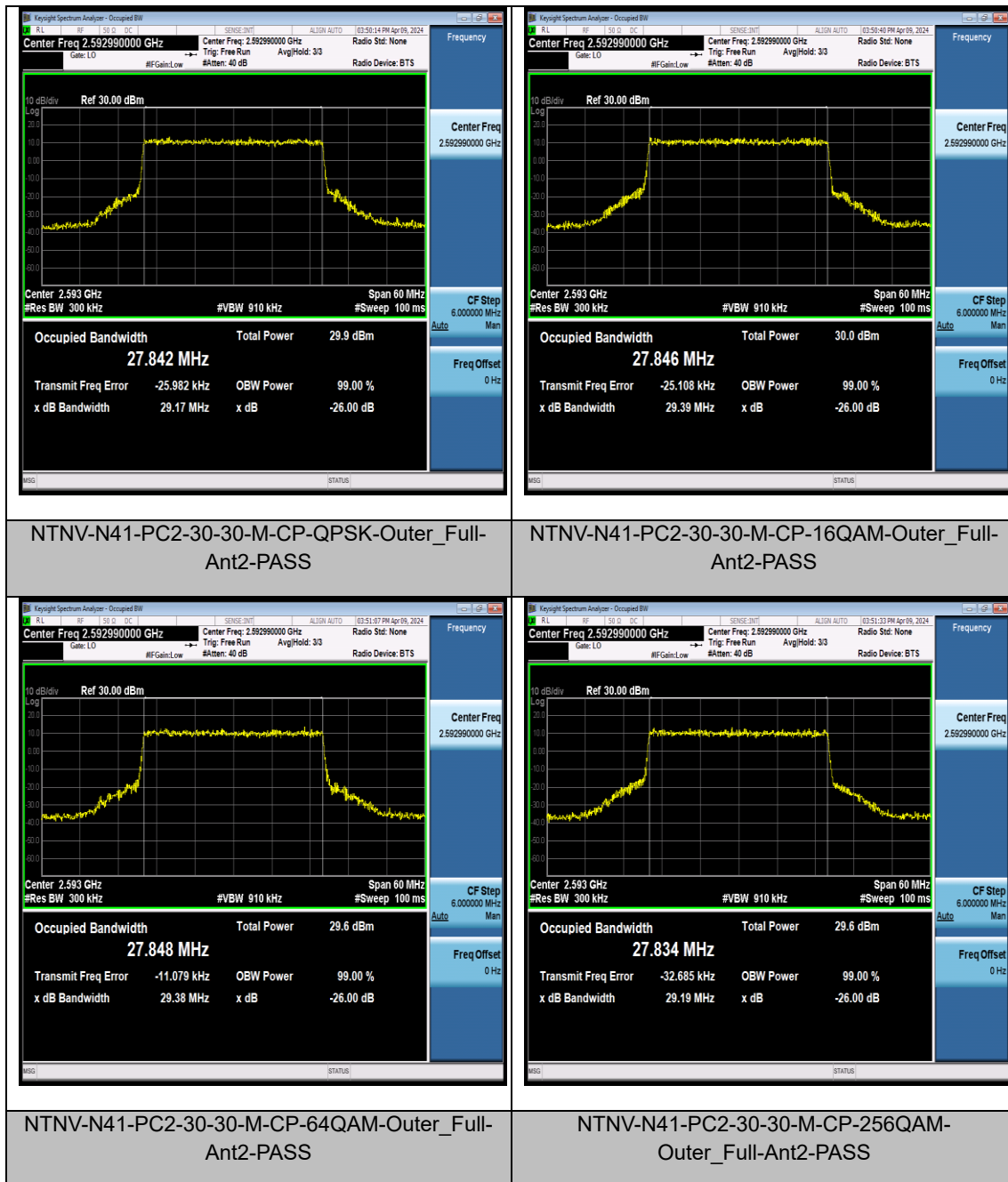
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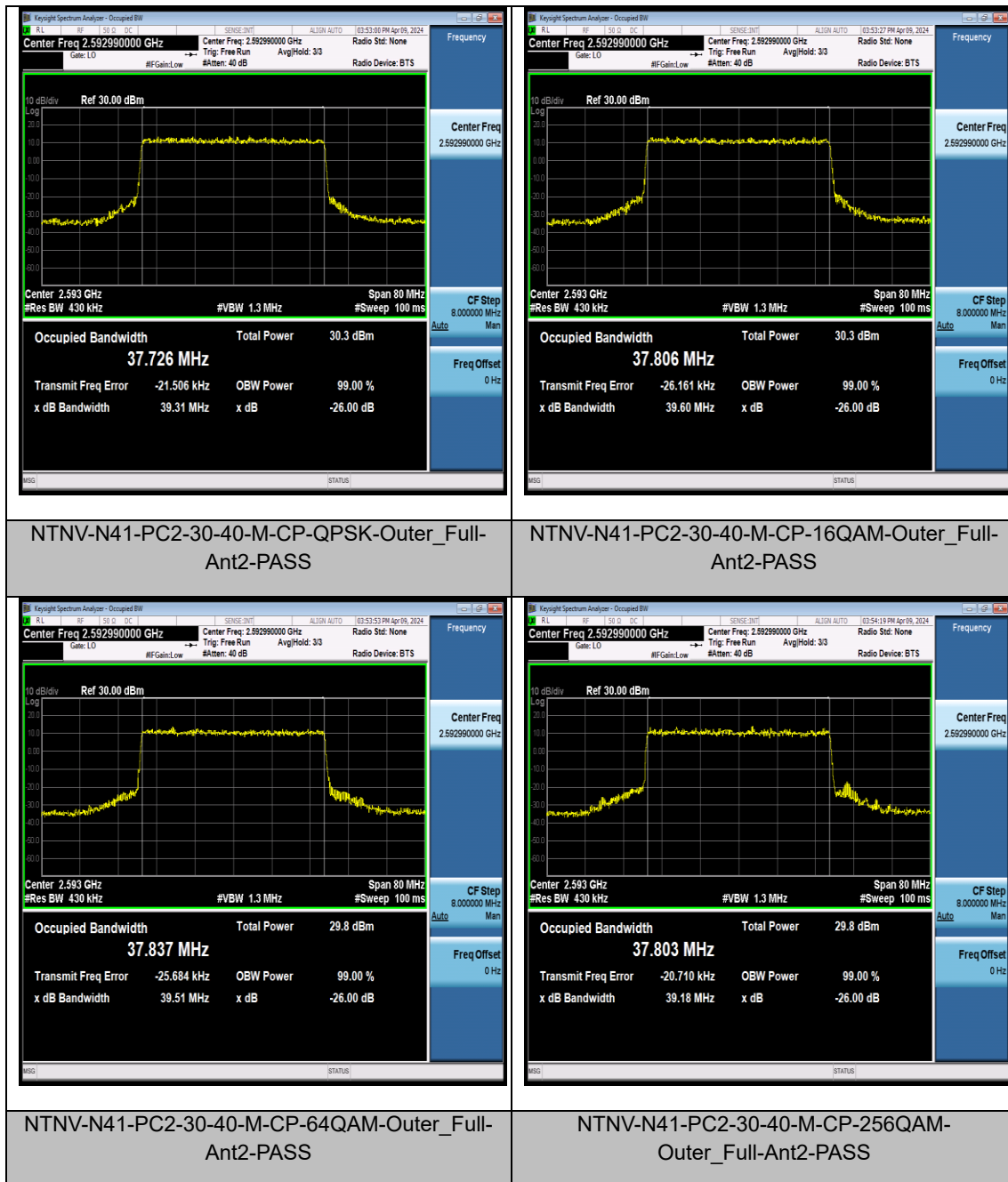
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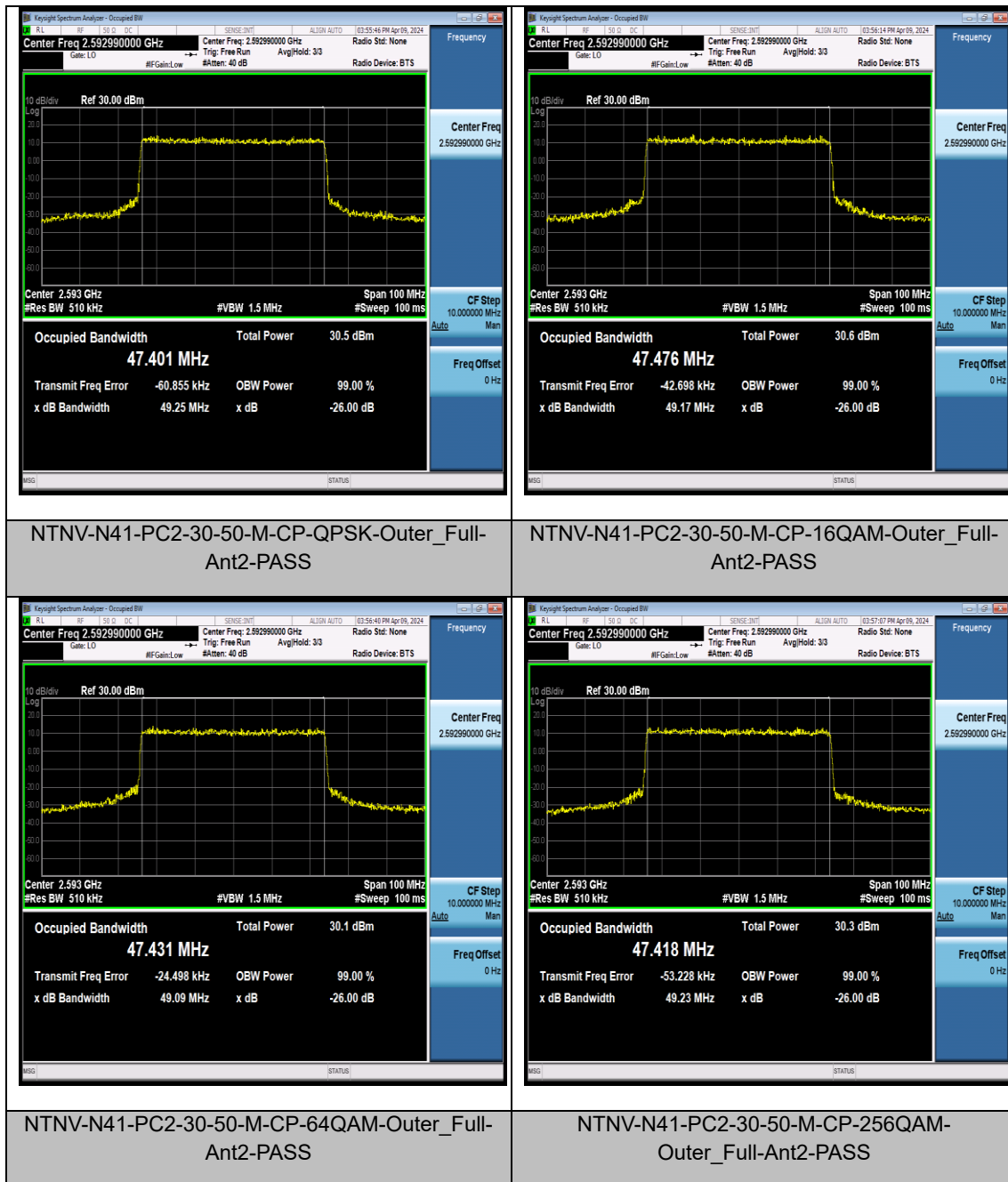
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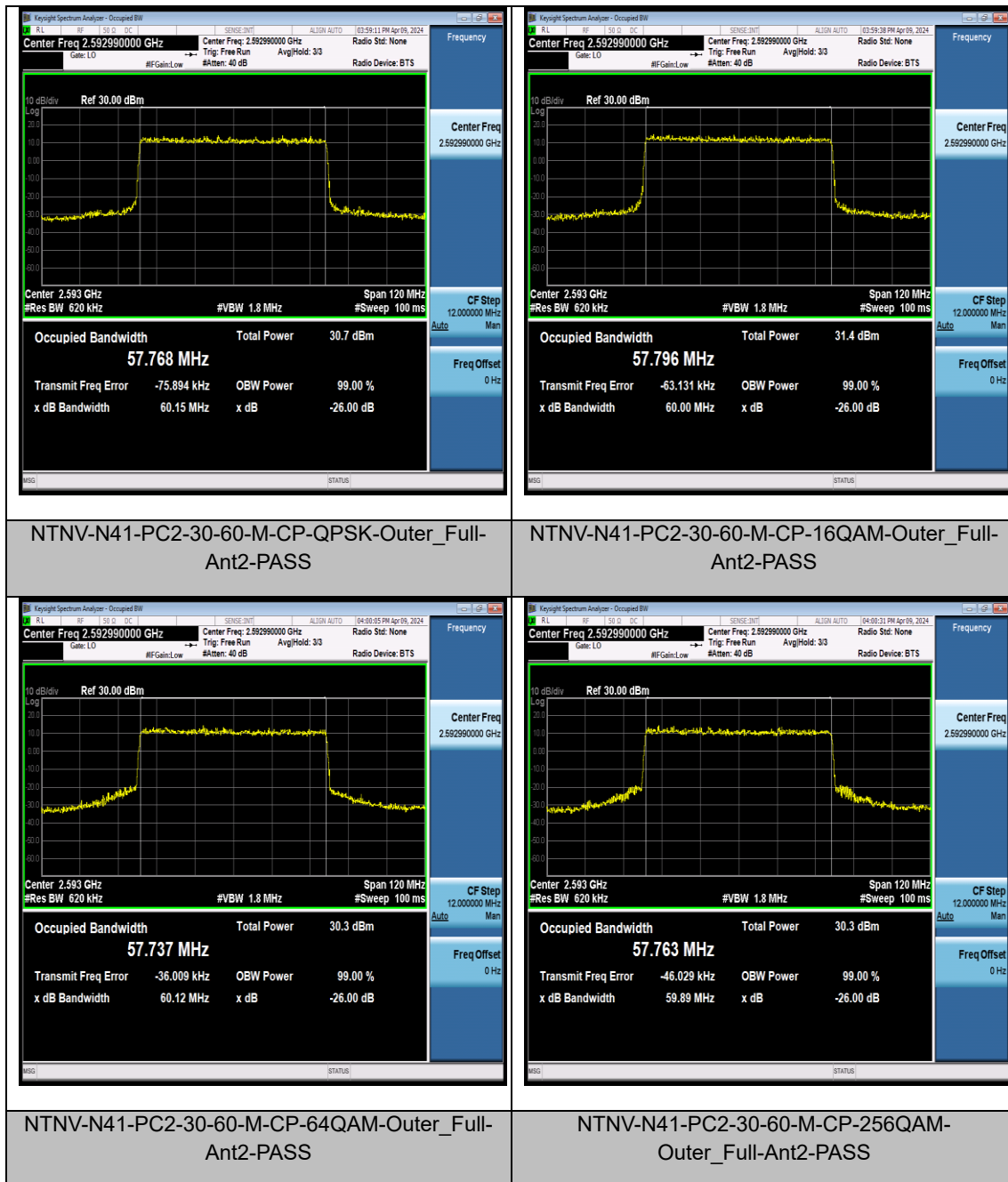
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