

Appendix-C NR Band n14

Effective (Isotropic) Radiated Power Output Data for SA

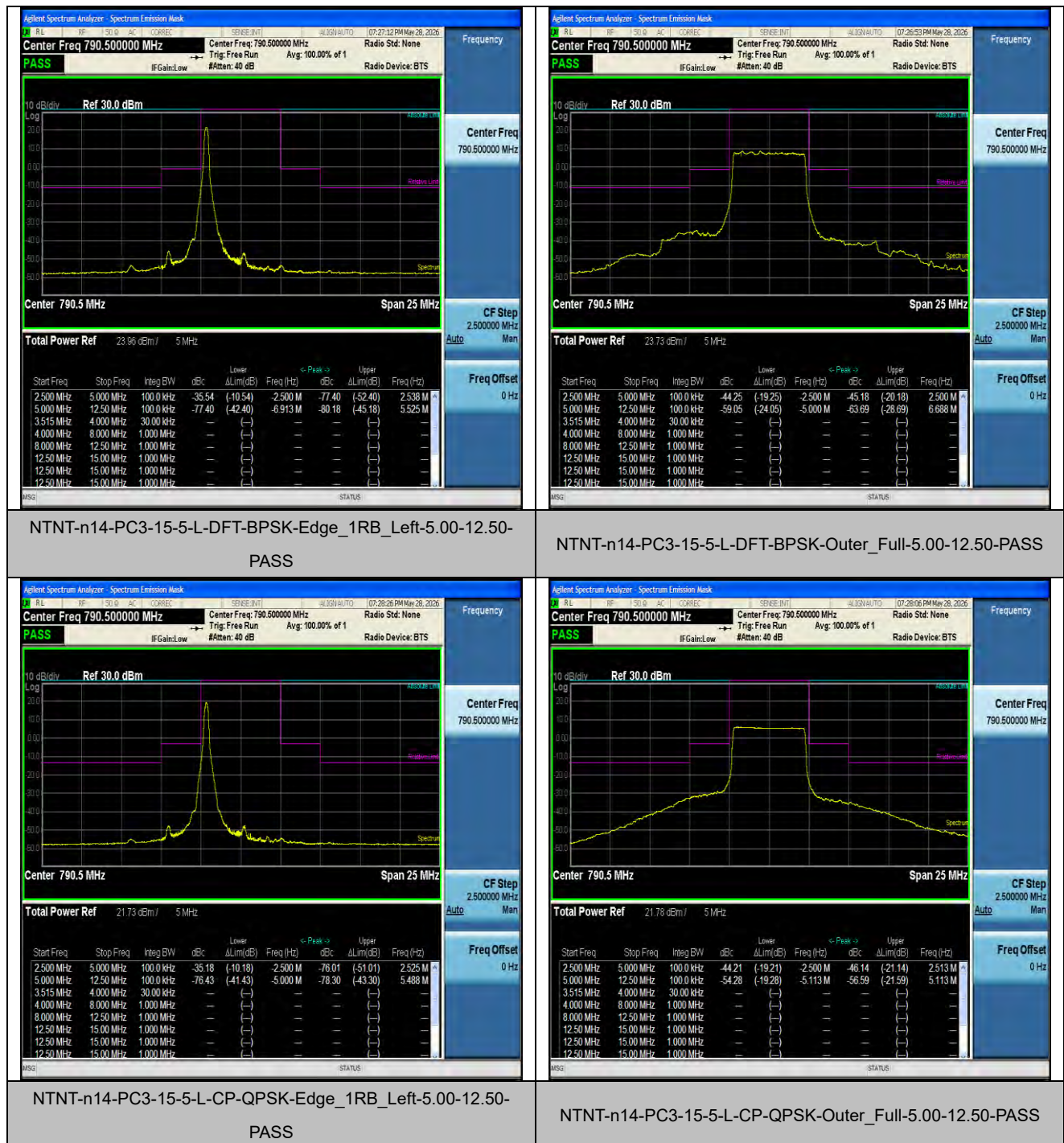
Test Result

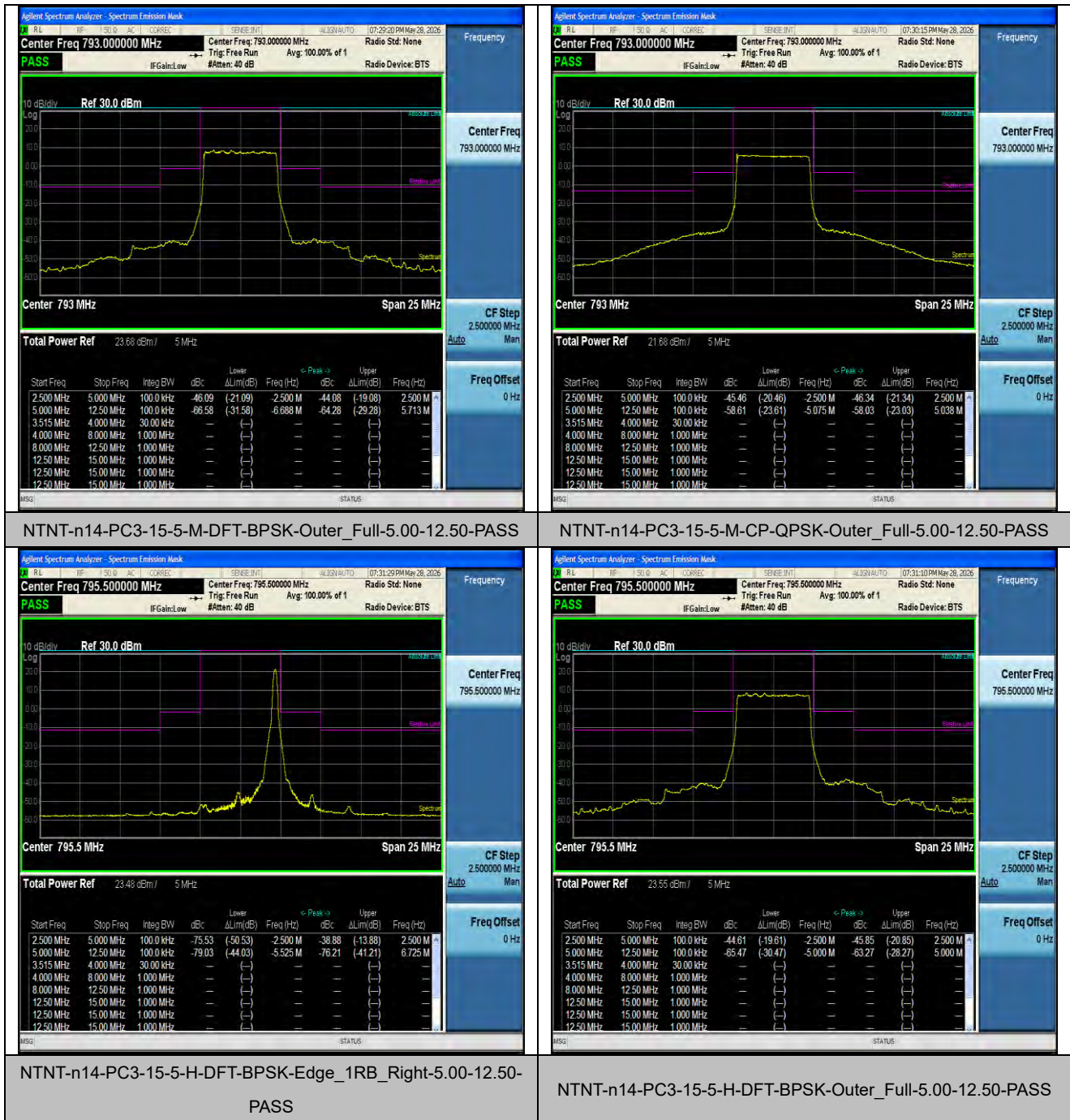
Band	SCS	BW	Modulation	CH	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
n14	15	5	DFT-BPSK	L	Inner_1RB_Left	23.99	19.58	34.77	PASS
n14	15	5	DFT-BPSK	L	Inner_1RB_Right	23.77	19.36	34.77	PASS
n14	15	5	DFT-BPSK	L	Inner_Full	23.86	19.45	34.77	PASS
n14	15	5	DFT-BPSK	L	Outer_Full	23.92	19.51	34.77	PASS
n14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.93	19.52	34.77	PASS
n14	15	5	DFT-QPSK	L	Inner_1RB_Right	23.89	19.48	34.77	PASS
n14	15	5	DFT-QPSK	L	Inner_Full	23.87	19.46	34.77	PASS
n14	15	5	DFT-QPSK	L	Outer_Full	23.85	19.44	34.77	PASS
n14	15	5	DFT-16QAM	L	Inner_1RB_Left	23.76	19.35	34.77	PASS
n14	15	5	DFT-16QAM	L	Inner_1RB_Right	23.75	19.34	34.77	PASS
n14	15	5	DFT-16QAM	L	Inner_Full	24.05	19.64	34.77	PASS
n14	15	5	DFT-16QAM	L	Outer_Full	22.94	18.53	34.77	PASS
n14	15	5	DFT-64QAM	L	Inner_1RB_Left	22.7	18.29	34.77	PASS
n14	15	5	DFT-64QAM	L	Inner_1RB_Right	22.48	18.07	34.77	PASS
n14	15	5	DFT-64QAM	L	Inner_Full	22.45	18.04	34.77	PASS
n14	15	5	DFT-64QAM	L	Outer_Full	22.42	18.01	34.77	PASS
n14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.92	15.51	34.77	PASS
n14	15	5	DFT-256QAM	L	Inner_1RB_Right	19.78	15.37	34.77	PASS
n14	15	5	DFT-256QAM	L	Inner_Full	20.4	15.99	34.77	PASS
n14	15	5	DFT-256QAM	L	Outer_Full	20.42	16.01	34.77	PASS
n14	15	5	DFT-BPSK	M	Inner_1RB_Left	23.82	19.41	34.77	PASS
n14	15	5	DFT-BPSK	M	Inner_1RB_Right	23.7	19.29	34.77	PASS
n14	15	5	DFT-BPSK	M	Inner_Full	23.75	19.34	34.77	PASS
n14	15	5	DFT-BPSK	M	Outer_Full	23.74	19.33	34.77	PASS
n14	15	5	DFT-QPSK	M	Inner_1RB_Left	23.88	19.47	34.77	PASS
n14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.77	19.36	34.77	PASS
n14	15	5	DFT-QPSK	M	Inner_Full	23.79	19.38	34.77	PASS
n14	15	5	DFT-QPSK	M	Outer_Full	23.8	19.39	34.77	PASS
n14	15	5	DFT-16QAM	M	Inner_1RB_Left	23.8	19.39	34.77	PASS
n14	15	5	DFT-16QAM	M	Inner_1RB_Right	23.69	19.28	34.77	PASS
n14	15	5	DFT-16QAM	M	Inner_Full	23.94	19.53	34.77	PASS
n14	15	5	DFT-16QAM	M	Outer_Full	22.81	18.4	34.77	PASS
n14	15	5	DFT-64QAM	M	Inner_1RB_Left	22.6	18.19	34.77	PASS
n14	15	5	DFT-64QAM	M	Inner_1RB_Right	22.49	18.08	34.77	PASS
n14	15	5	DFT-64QAM	M	Inner_Full	22.33	17.92	34.77	PASS
n14	15	5	DFT-64QAM	M	Outer_Full	22.37	17.96	34.77	PASS

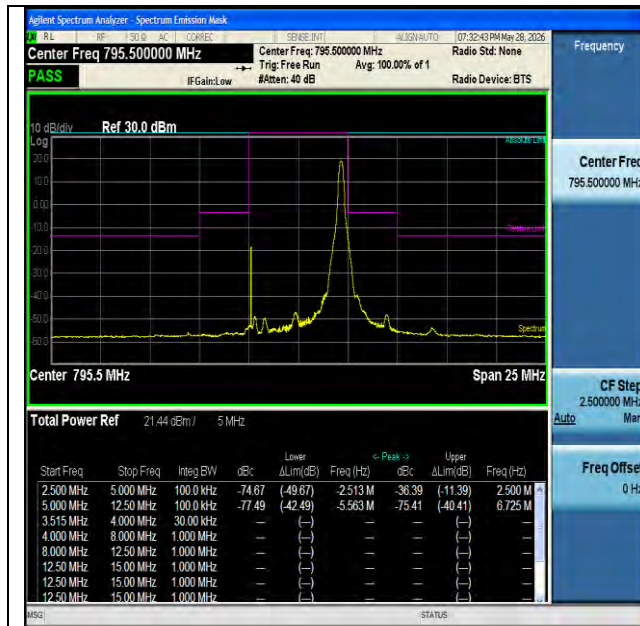
n14	15	5	DFT-256QAM	M	Inner_1RB_Left	19.83	15.42	34.77	PASS
n14	15	5	DFT-256QAM	M	Inner_1RB_Right	19.69	15.28	34.77	PASS
n14	15	5	DFT-256QAM	M	Inner_Full	20.39	15.98	34.77	PASS
n14	15	5	DFT-256QAM	M	Outer_Full	20.29	15.88	34.77	PASS
n14	15	5	DFT-BPSK	H	Inner_1RB_Left	23.9	19.49	34.77	PASS
n14	15	5	DFT-BPSK	H	Inner_1RB_Right	23.79	19.38	34.77	PASS
n14	15	5	DFT-BPSK	H	Inner_Full	23.81	19.4	34.77	PASS
n14	15	5	DFT-BPSK	H	Outer_Full	23.83	19.42	34.77	PASS
n14	15	5	DFT-QPSK	H	Inner_1RB_Left	23.92	19.51	34.77	PASS
n14	15	5	DFT-QPSK	H	Inner_1RB_Right	23.78	19.37	34.77	PASS
n14	15	5	DFT-QPSK	H	Inner_Full	23.83	19.42	34.77	PASS
n14	15	5	DFT-QPSK	H	Outer_Full	23.86	19.45	34.77	PASS
n14	15	5	DFT-16QAM	H	Inner_1RB_Left	23.87	19.46	34.77	PASS
n14	15	5	DFT-16QAM	H	Inner_1RB_Right	23.65	19.24	34.77	PASS
n14	15	5	DFT-16QAM	H	Inner_Full	23.96	19.55	34.77	PASS
n14	15	5	DFT-16QAM	H	Outer_Full	22.86	18.45	34.77	PASS
n14	15	5	DFT-64QAM	H	Inner_1RB_Left	22.57	18.16	34.77	PASS
n14	15	5	DFT-64QAM	H	Inner_1RB_Right	22.51	18.1	34.77	PASS
n14	15	5	DFT-64QAM	H	Inner_Full	22.43	18.02	34.77	PASS
n14	15	5	DFT-64QAM	H	Outer_Full	22.42	18.01	34.77	PASS
n14	15	5	DFT-256QAM	H	Inner_1RB_Left	19.85	15.44	34.77	PASS
n14	15	5	DFT-256QAM	H	Inner_1RB_Right	19.69	15.28	34.77	PASS
n14	15	5	DFT-256QAM	H	Inner_Full	20.39	15.98	34.77	PASS
n14	15	5	DFT-256QAM	H	Outer_Full	20.29	15.88	34.77	PASS
n14	15	10	DFT-BPSK	M	Inner_1RB_Left	23.96	19.55	34.77	PASS
n14	15	10	DFT-BPSK	M	Inner_1RB_Right	23.7	19.29	34.77	PASS
n14	15	10	DFT-BPSK	M	Inner_Full	23.78	19.37	34.77	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	23.77	19.36	34.77	PASS
n14	15	10	DFT-QPSK	M	Inner_1RB_Left	23.95	19.54	34.77	PASS
n14	15	10	DFT-QPSK	M	Inner_1RB_Right	23.68	19.27	34.77	PASS
n14	15	10	DFT-QPSK	M	Inner_Full	23.77	19.36	34.77	PASS
n14	15	10	DFT-QPSK	M	Outer_Full	23.75	19.34	34.77	PASS
n14	15	10	DFT-16QAM	M	Inner_1RB_Left	23.77	19.36	34.77	PASS
n14	15	10	DFT-16QAM	M	Inner_1RB_Right	23.62	19.21	34.77	PASS
n14	15	10	DFT-16QAM	M	Inner_Full	23.88	19.47	34.77	PASS
n14	15	10	DFT-16QAM	M	Outer_Full	22.79	18.38	34.77	PASS
n14	15	10	DFT-64QAM	M	Inner_1RB_Left	22.72	18.31	34.77	PASS
n14	15	10	DFT-64QAM	M	Inner_1RB_Right	22.4	17.99	34.77	PASS
n14	15	10	DFT-64QAM	M	Inner_Full	22.42	18.01	34.77	PASS
n14	15	10	DFT-64QAM	M	Outer_Full	22.33	17.92	34.77	PASS
n14	15	10	DFT-256QAM	M	Inner_1RB_Left	19.79	15.38	34.77	PASS
n14	15	10	DFT-256QAM	M	Inner_1RB_Right	19.72	15.31	34.77	PASS
n14	15	10	DFT-256QAM	M	Inner_Full	20.27	15.86	34.77	PASS
n14	15	10	DFT-256QAM	M	Outer_Full	20.31	15.9	34.77	PASS

Spectrum_Emission_Mask

Test Graphs







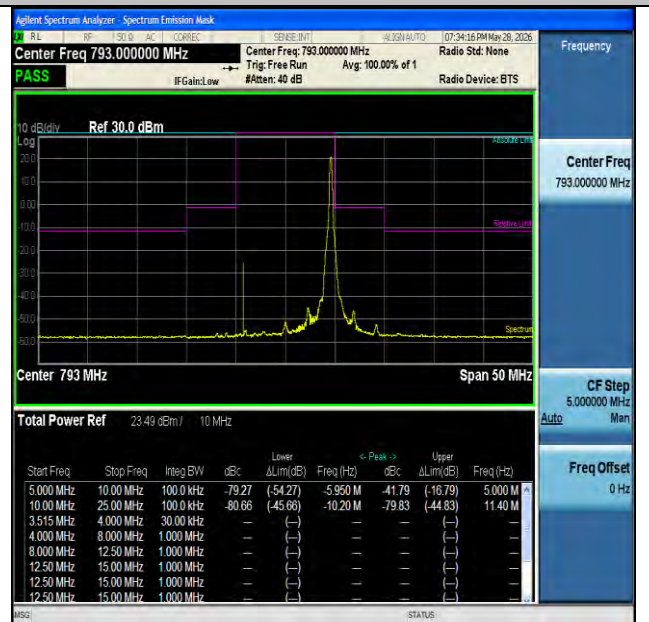
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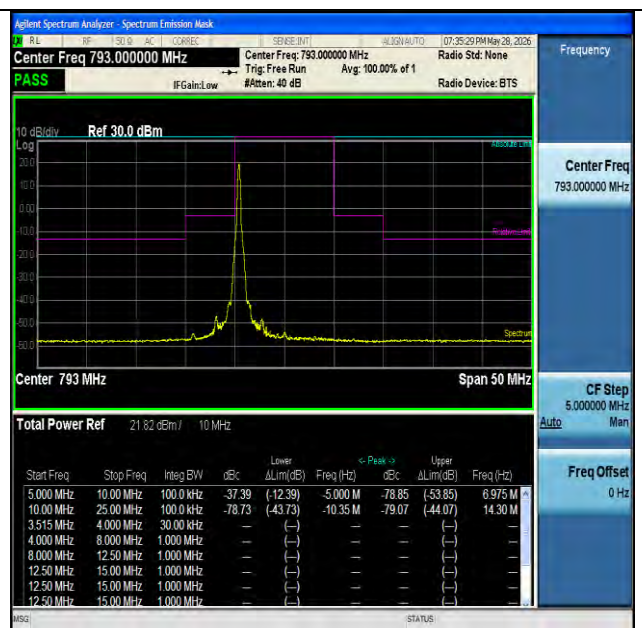
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NTNT-n14-PC3-15-10-M-DFT-BPSK-Edge_1RB_Right-10.00-25.00-PASS



NTNT-n14-PC3-15-10-M-DFT-BPSK-Outer_Full-10.00-25.00-
PASS



NTNT-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Left-10.00-25.00-
PASS



NTNT-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Right-10.00-
25.00-PASS



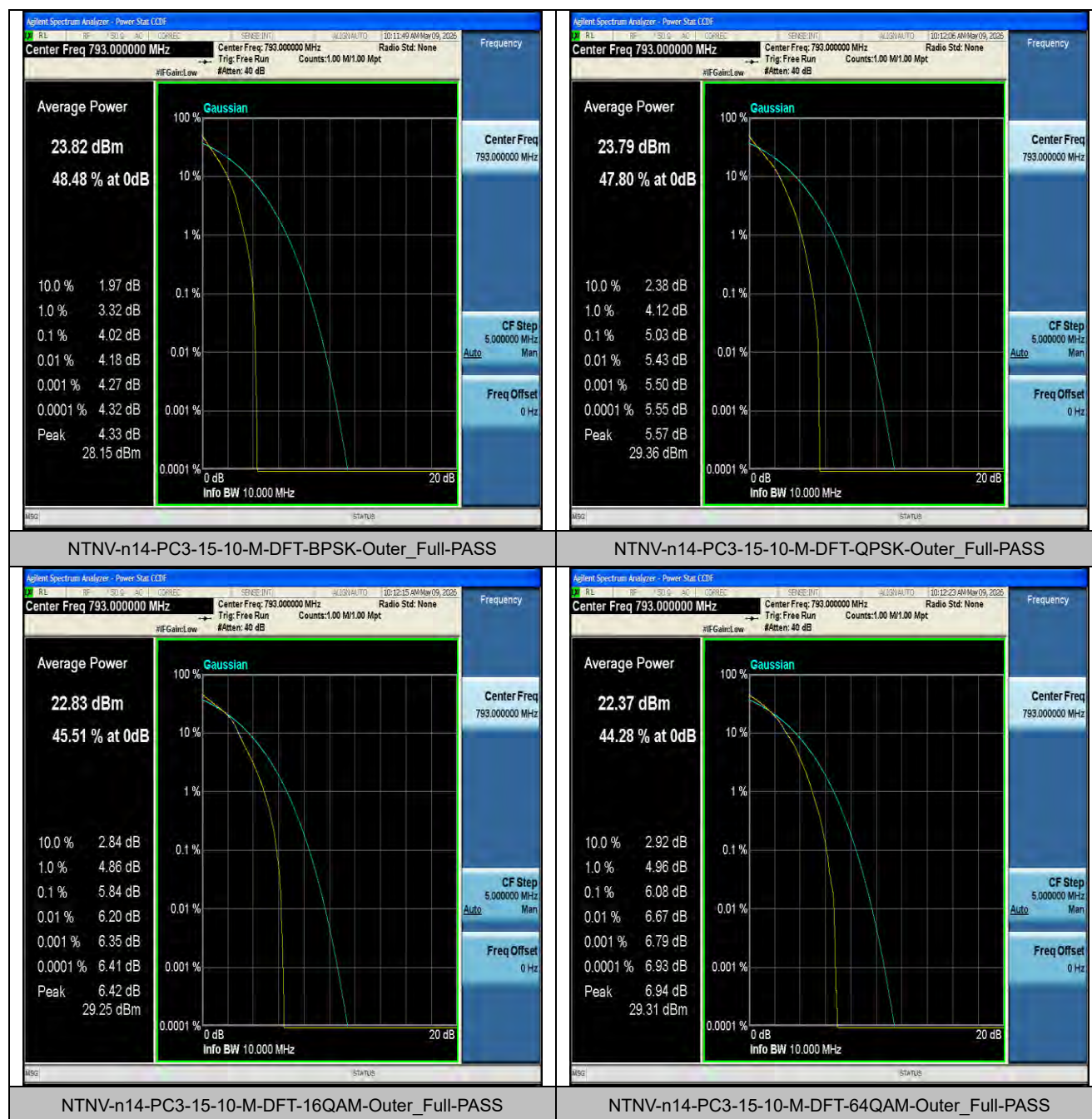
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Peak-to-Average Ratio for SA

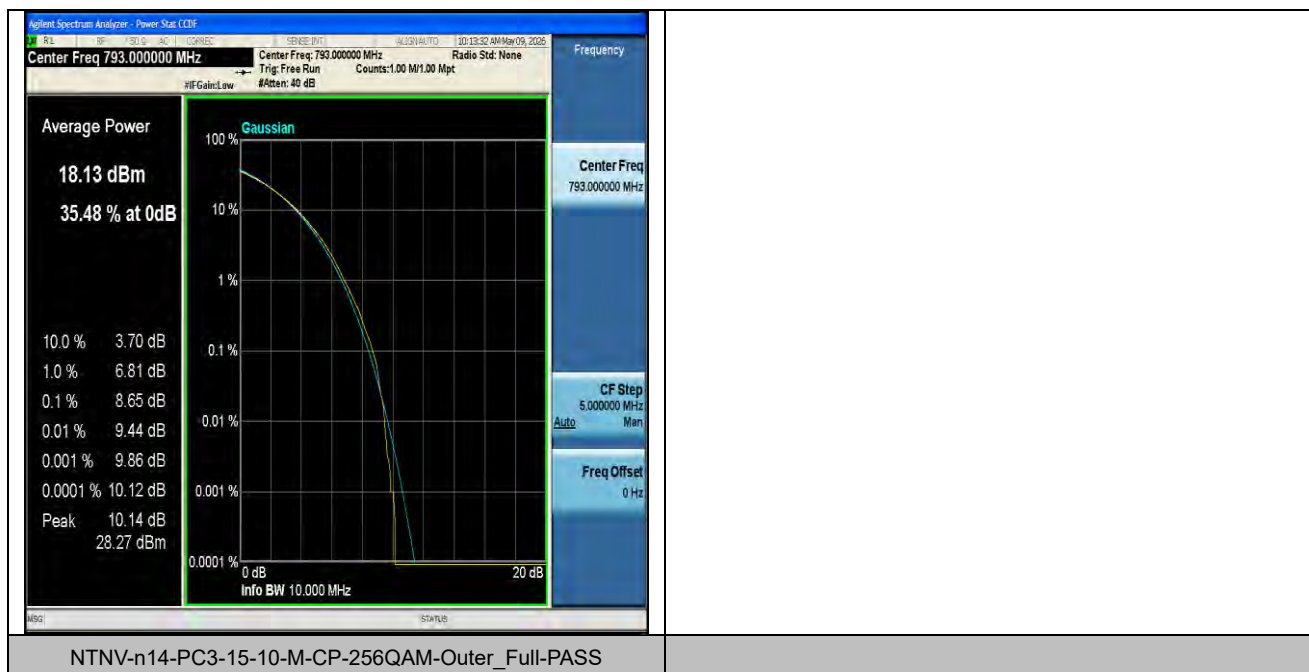
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dB)	Limit (dB)	Verdict
n14	15	10	DFT-BPSK	M	Outer_Full	4.02	≤13	PASS
n14	15	10	DFT-QPSK	M	Outer_Full	5.03	≤13	PASS
n14	15	10	DFT-16QAM	M	Outer_Full	5.84	≤13	PASS
n14	15	10	DFT-64QAM	M	Outer_Full	6.08	≤13	PASS
n14	15	10	DFT-256QAM	M	Outer_Full	6.59	≤13	PASS
n14	15	10	CP-QPSK	M	Outer_Full	6.65	≤13	PASS
n14	15	10	CP-16QAM	M	Outer_Full	6.74	≤13	PASS
n14	15	10	CP-64QAM	M	Outer_Full	7.26	≤13	PASS
n14	15	10	CP-256QAM	M	Outer_Full	8.65	≤13	PASS

Test Graphs





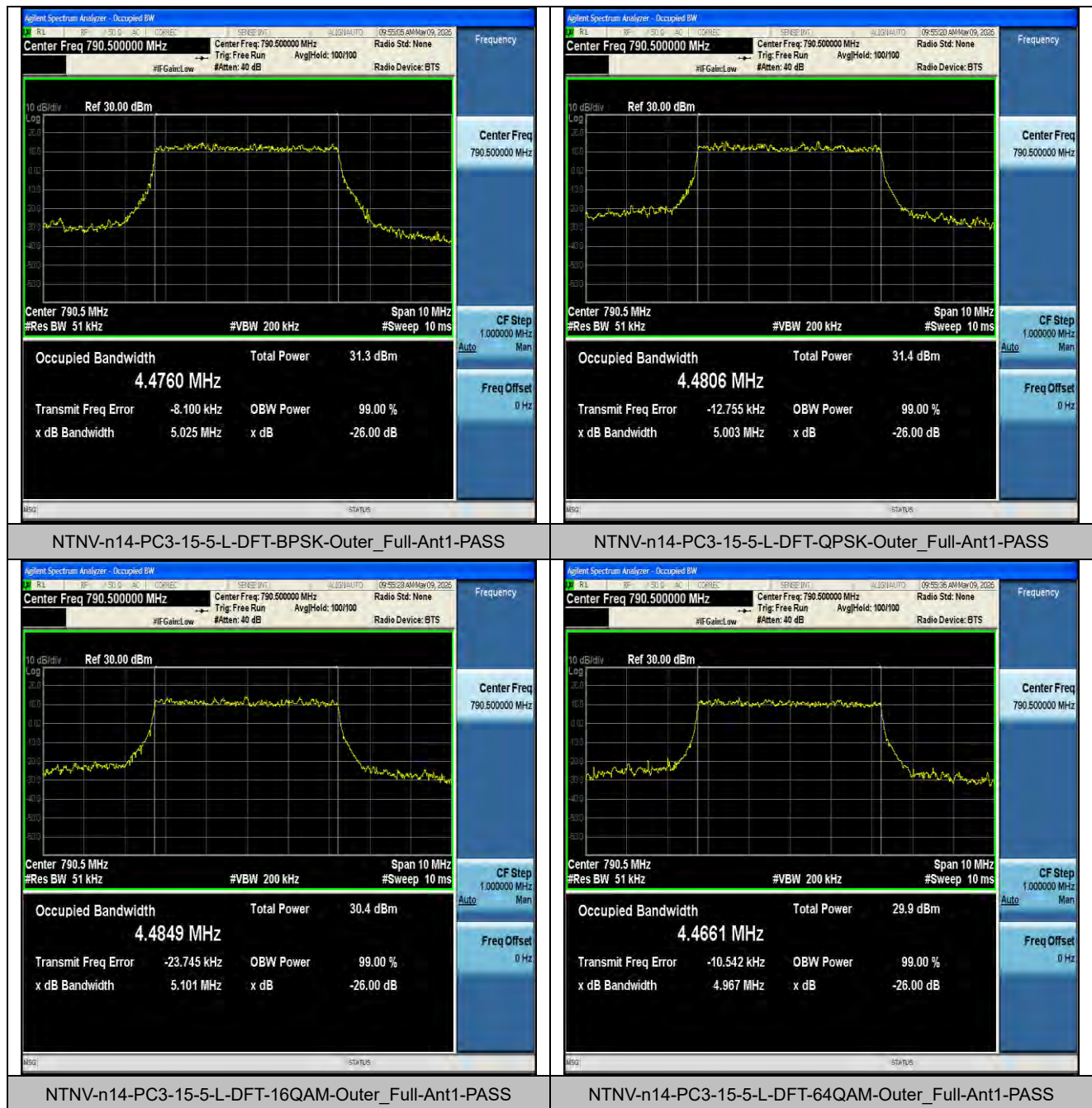


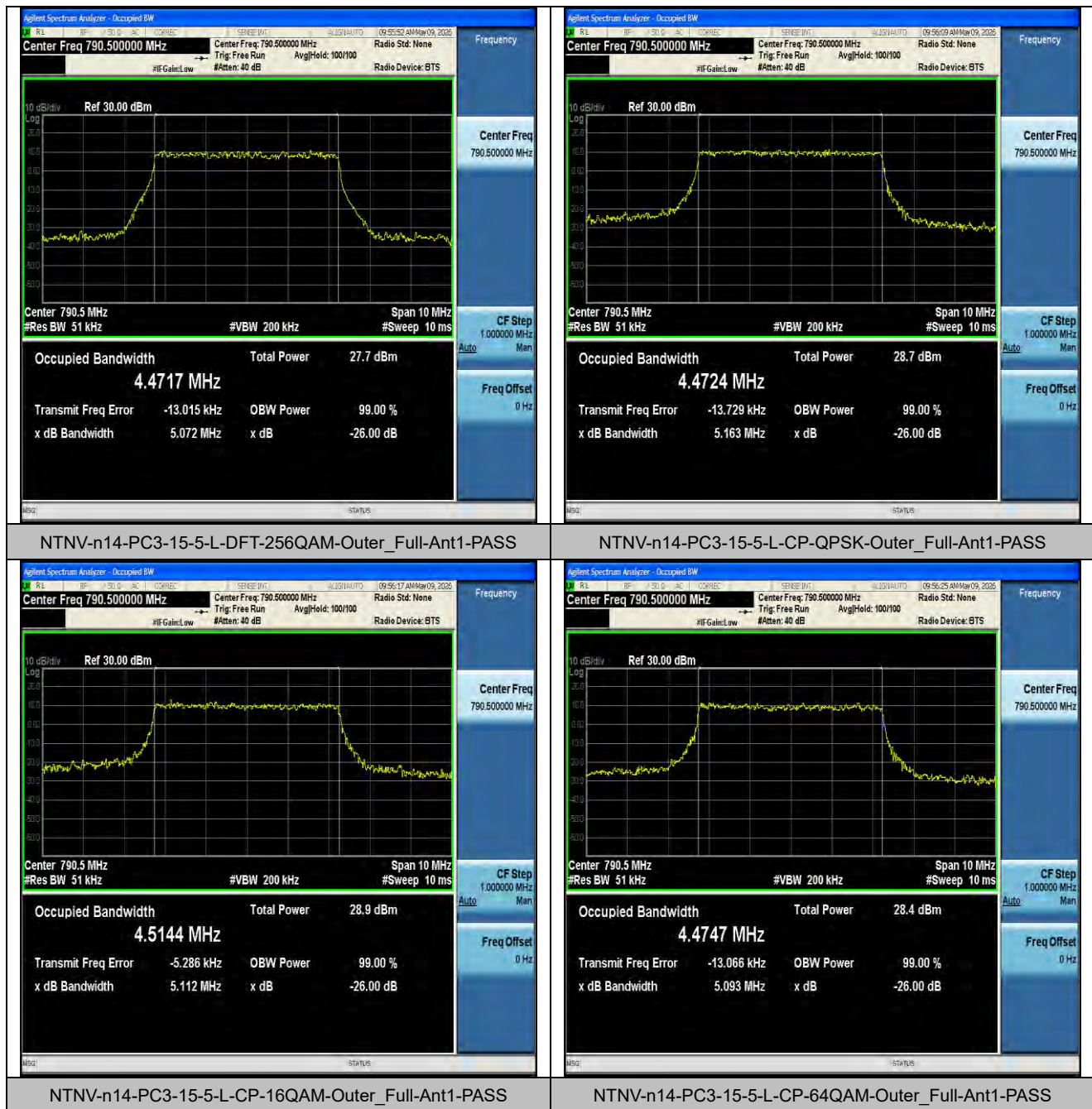
26dB Bandwidth and Occupied Bandwidth for SA

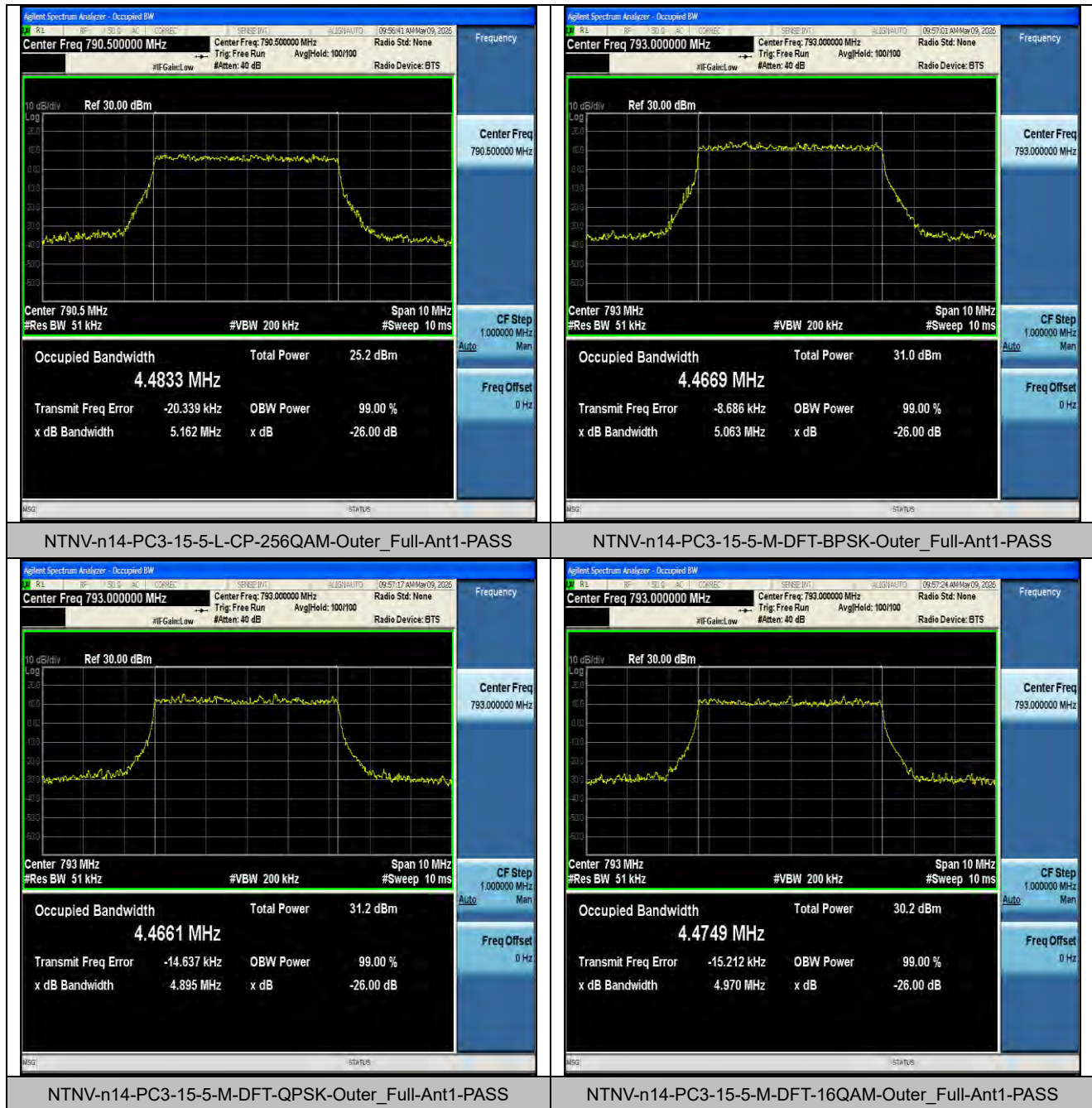
Test Result

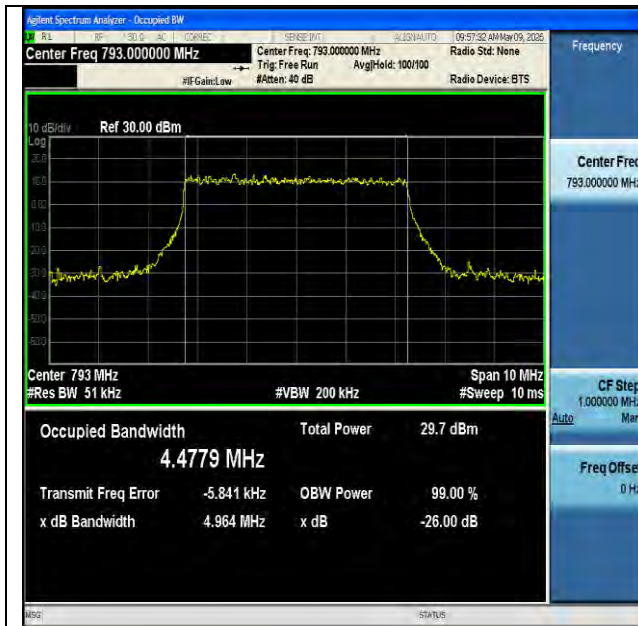
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
n14	15	5	DFT-BPSK	L	Outer_Full	4.4760	5.025	PASS
n14	15	5	DFT-QPSK	L	Outer_Full	4.4806	5.003	PASS
n14	15	5	DFT-16QAM	L	Outer_Full	4.4849	5.101	PASS
n14	15	5	DFT-64QAM	L	Outer_Full	4.4661	4.967	PASS
n14	15	5	DFT-256QAM	L	Outer_Full	4.4717	5.072	PASS
n14	15	5	CP-QPSK	L	Outer_Full	4.4724	5.163	PASS
n14	15	5	CP-16QAM	L	Outer_Full	4.5144	5.112	PASS
n14	15	5	CP-64QAM	L	Outer_Full	4.4747	5.093	PASS
n14	15	5	CP-256QAM	L	Outer_Full	4.4833	5.162	PASS
n14	15	5	DFT-BPSK	M	Outer_Full	4.4669	5.063	PASS
n14	15	5	DFT-QPSK	M	Outer_Full	4.4661	4.895	PASS
n14	15	5	DFT-16QAM	M	Outer_Full	4.4749	4.970	PASS
n14	15	5	DFT-64QAM	M	Outer_Full	4.4779	4.964	PASS
n14	15	5	DFT-256QAM	M	Outer_Full	4.4912	5.101	PASS
n14	15	5	CP-QPSK	M	Outer_Full	4.4927	5.259	PASS
n14	15	5	CP-16QAM	M	Outer_Full	4.4934	5.088	PASS
n14	15	5	CP-64QAM	M	Outer_Full	4.4895	5.137	PASS
n14	15	5	CP-256QAM	M	Outer_Full	4.4776	5.113	PASS
n14	15	5	DFT-BPSK	H	Outer_Full	4.4775	5.068	PASS
n14	15	5	DFT-QPSK	H	Outer_Full	4.4731	4.877	PASS
n14	15	5	DFT-16QAM	H	Outer_Full	4.4856	5.074	PASS
n14	15	5	DFT-64QAM	H	Outer_Full	4.4810	5.030	PASS
n14	15	5	DFT-256QAM	H	Outer_Full	4.4747	4.945	PASS
n14	15	5	CP-QPSK	H	Outer_Full	4.4820	5.149	PASS
n14	15	5	CP-16QAM	H	Outer_Full	4.4841	5.076	PASS
n14	15	5	CP-64QAM	H	Outer_Full	4.4852	5.115	PASS
n14	15	5	CP-256QAM	H	Outer_Full	4.4857	5.168	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	8.9117	9.640	PASS
n14	15	10	DFT-QPSK	M	Outer_Full	8.9325	9.688	PASS
n14	15	10	DFT-16QAM	M	Outer_Full	8.9578	9.706	PASS
n14	15	10	DFT-64QAM	M	Outer_Full	8.9451	9.559	PASS
n14	15	10	DFT-256QAM	M	Outer_Full	8.9300	9.581	PASS
n14	15	10	CP-QPSK	M	Outer_Full	9.2935	10.12	PASS
n14	15	10	CP-16QAM	M	Outer_Full	9.2778	10.05	PASS
n14	15	10	CP-64QAM	M	Outer_Full	9.2821	10.02	PASS
n14	15	10	CP-256QAM	M	Outer_Full	9.3088	10.08	PASS

Test Graphs

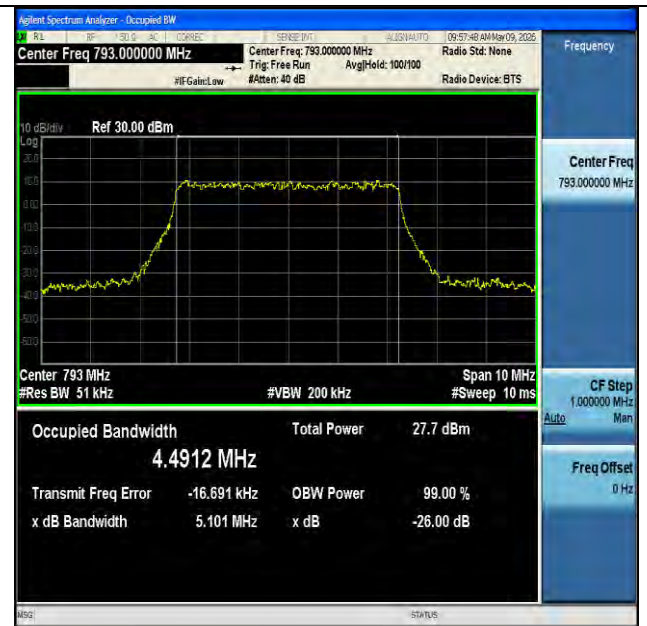








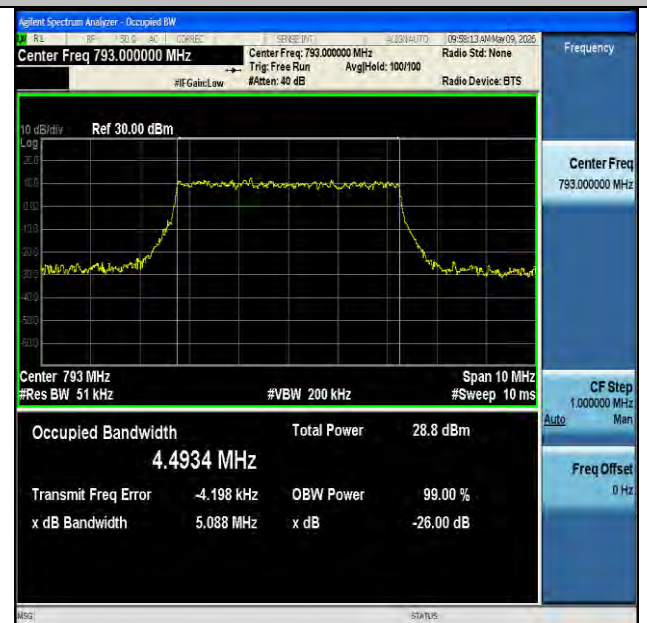
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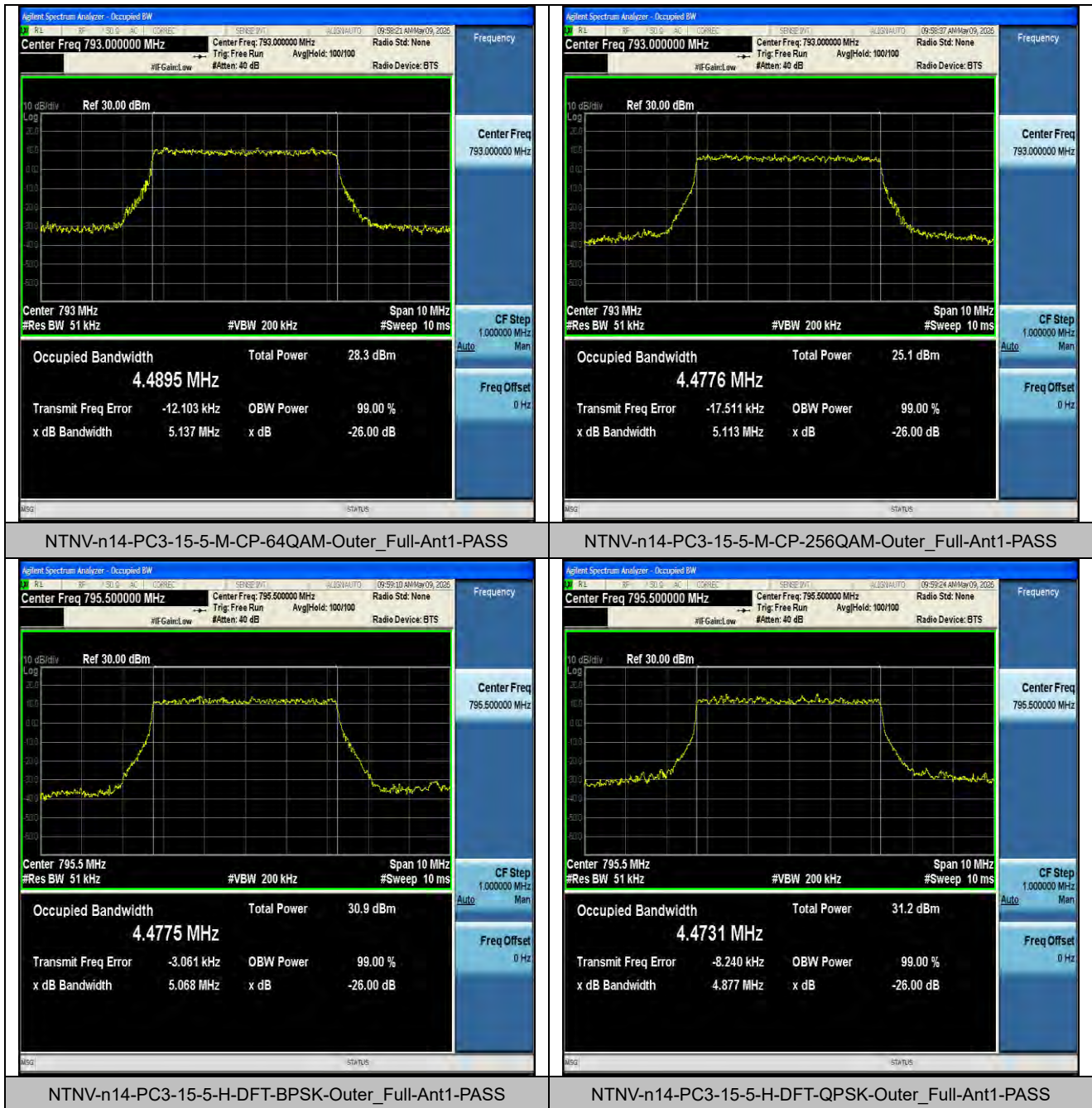
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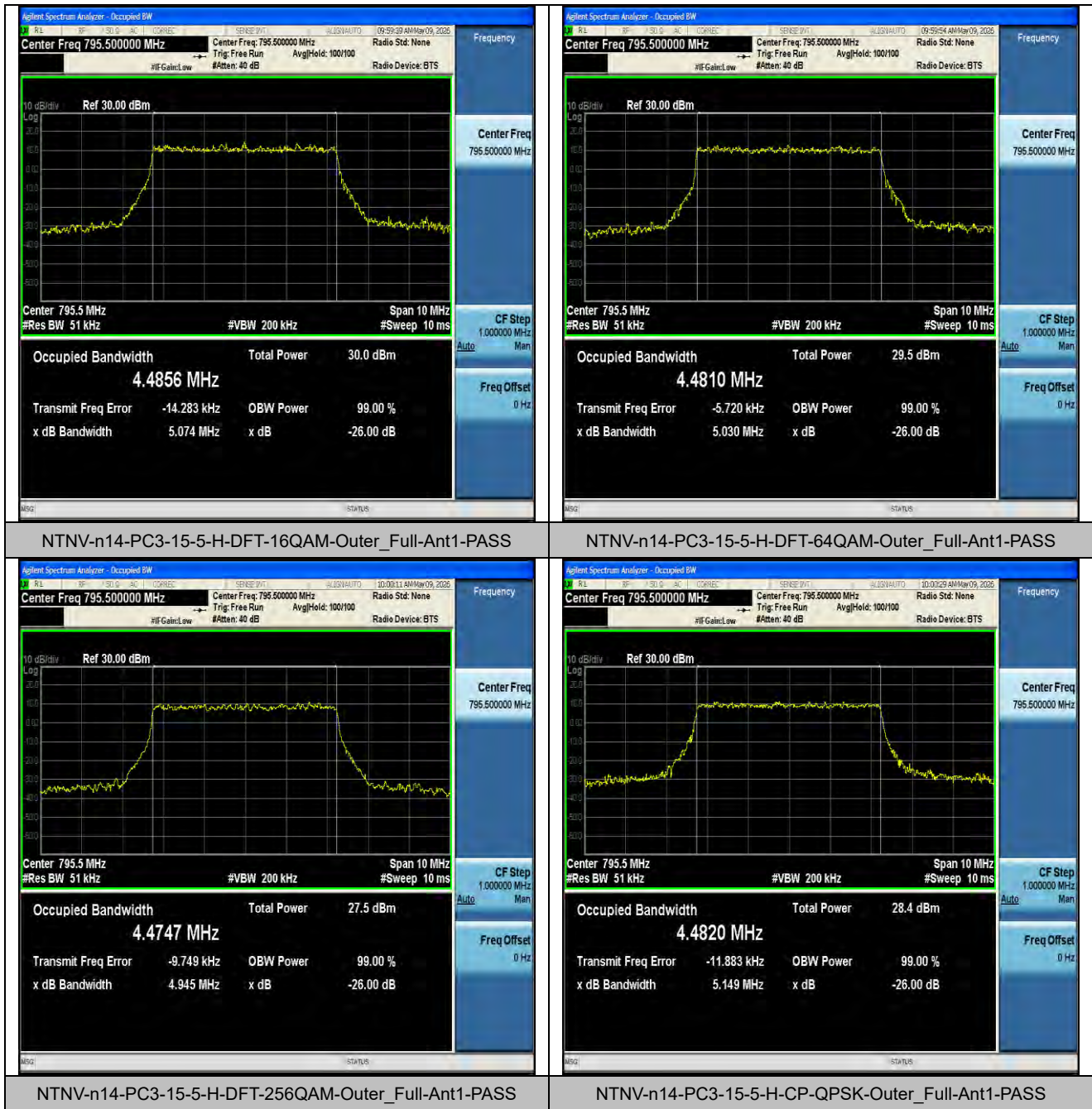


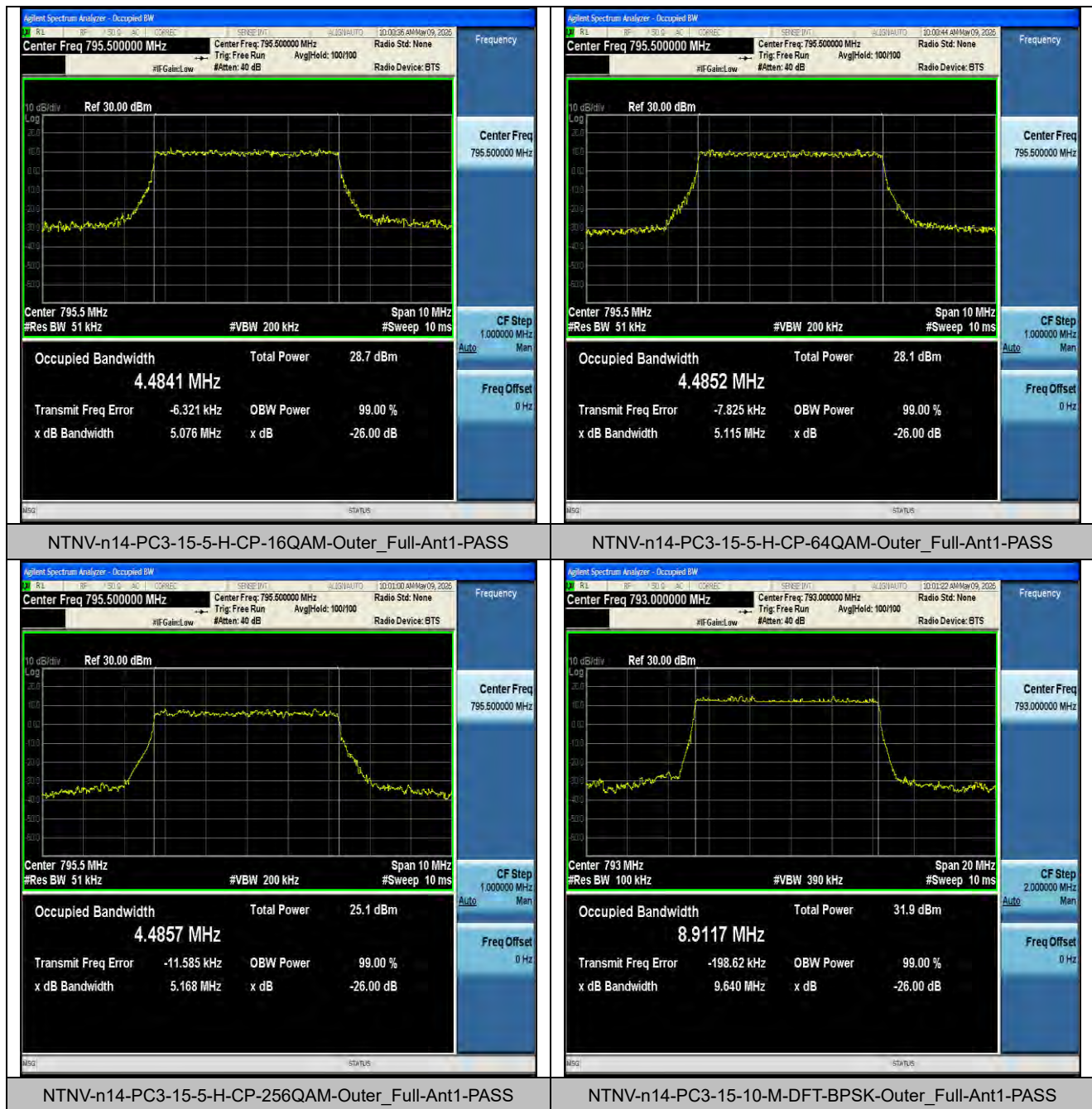
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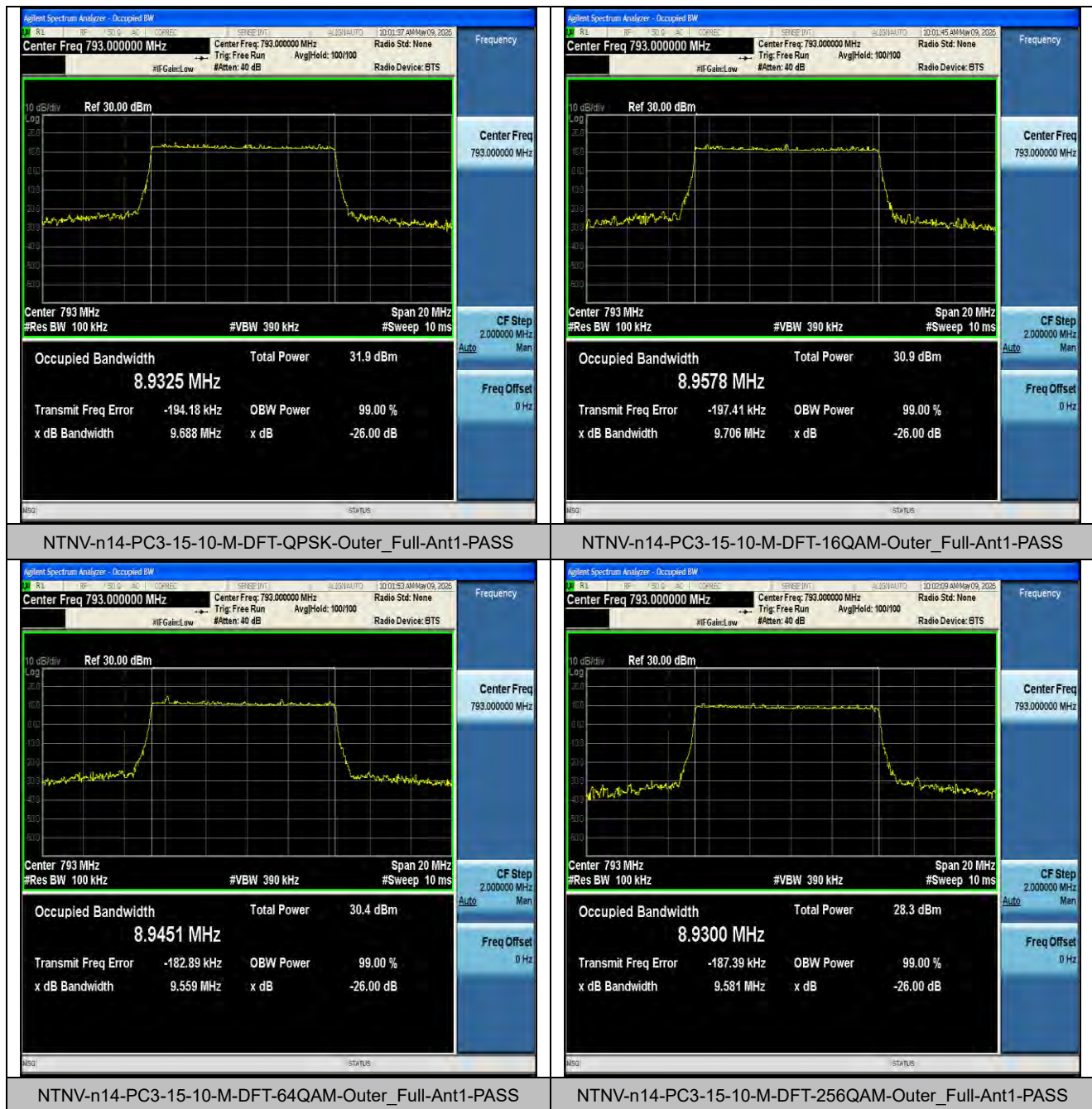


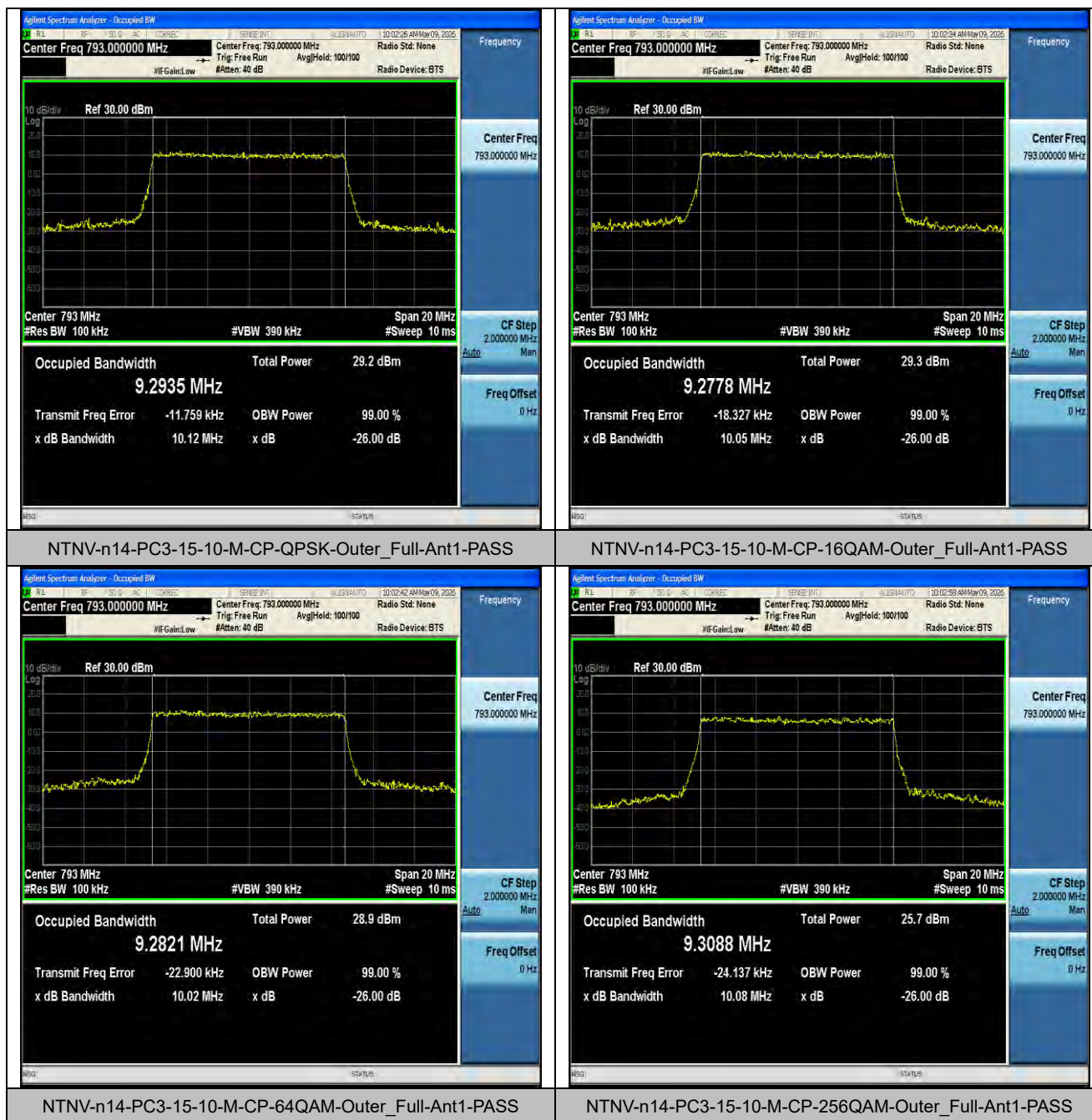
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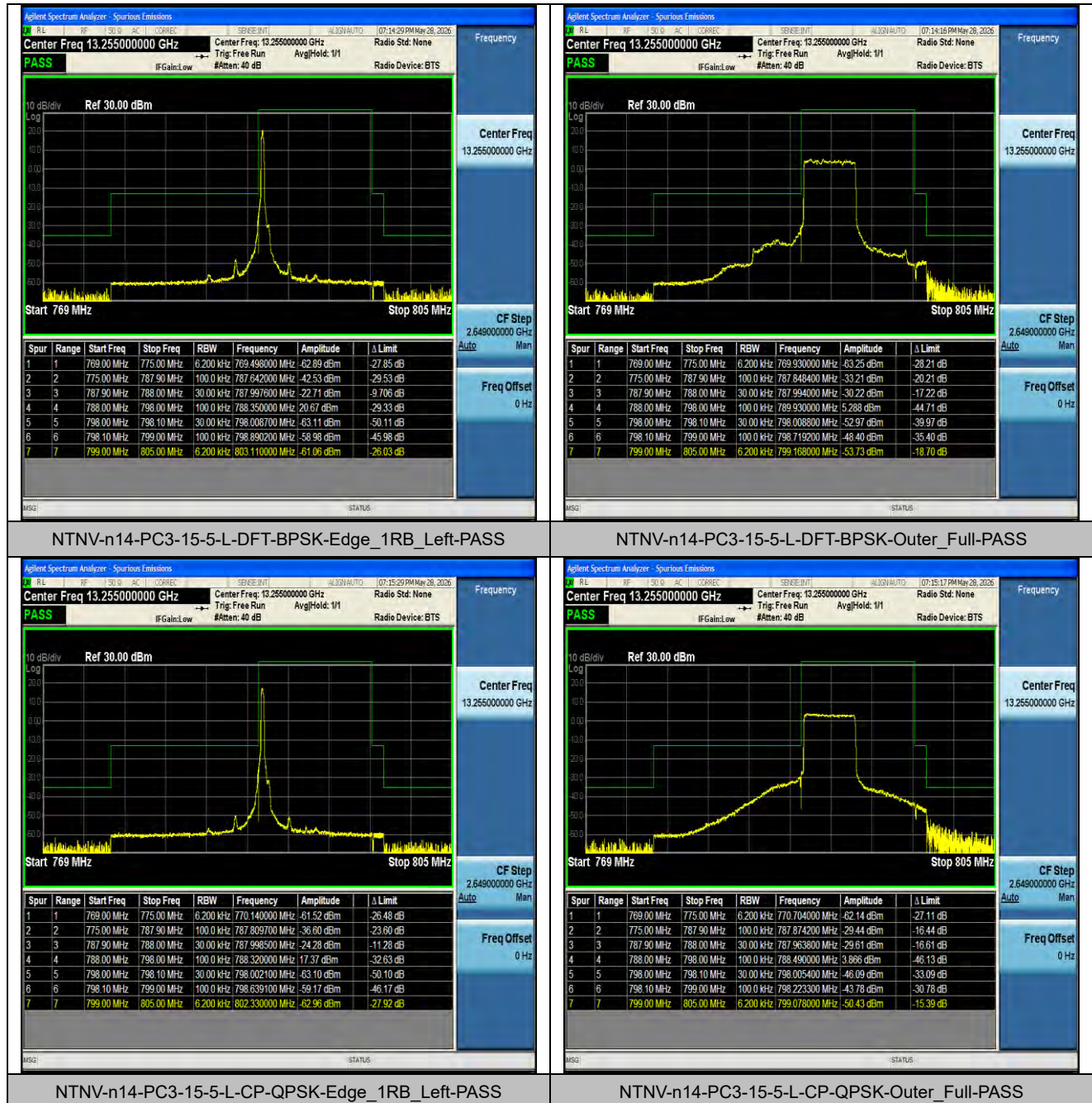


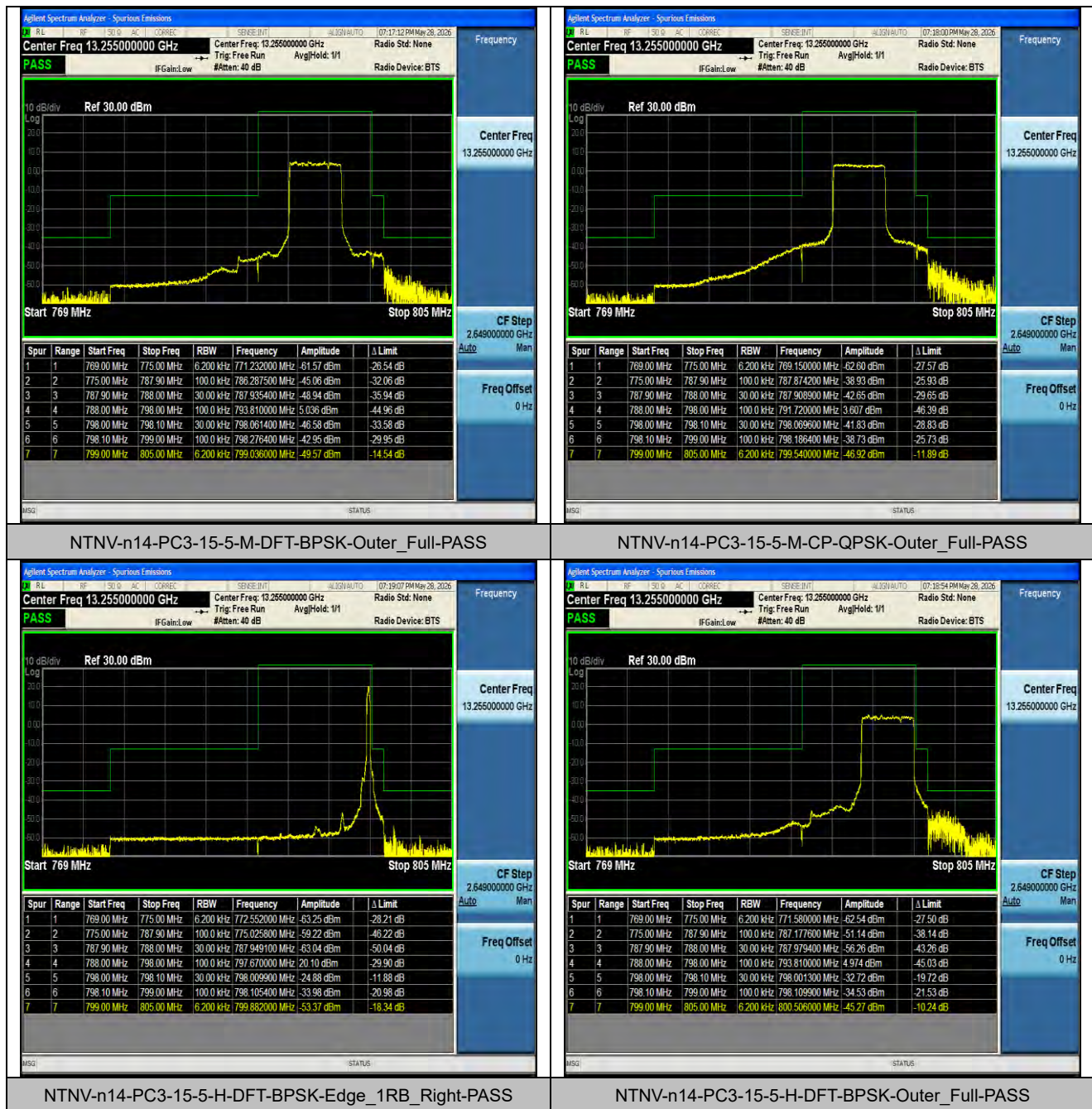


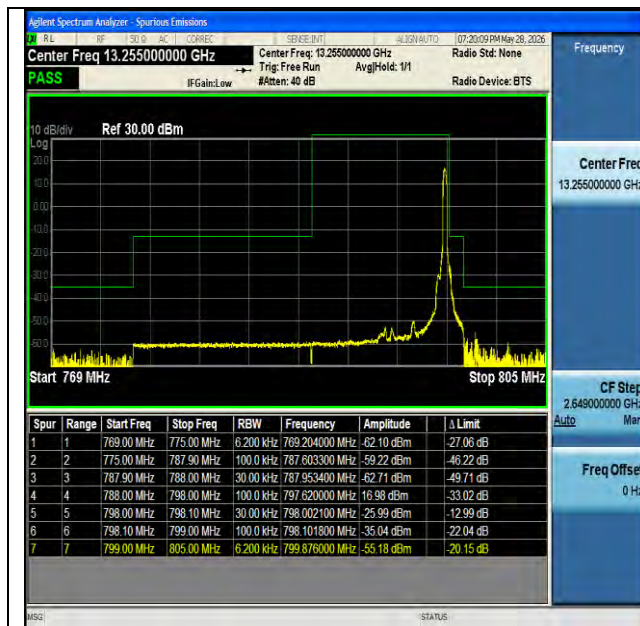


Band Edge for SA

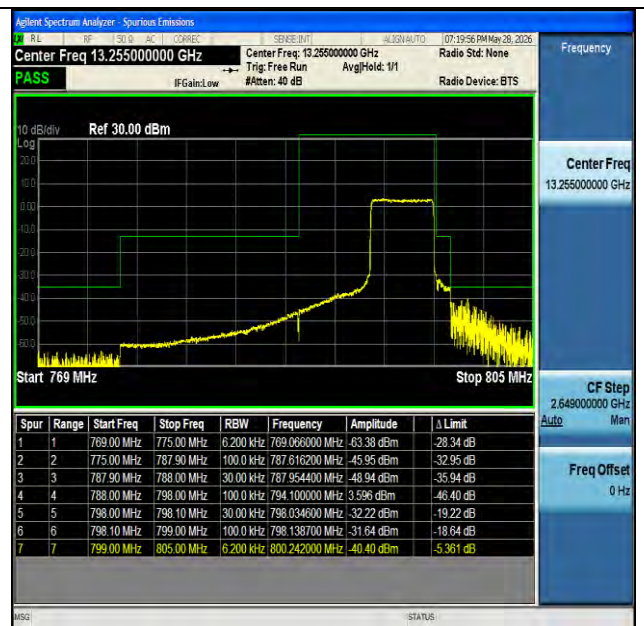
Test Graphs



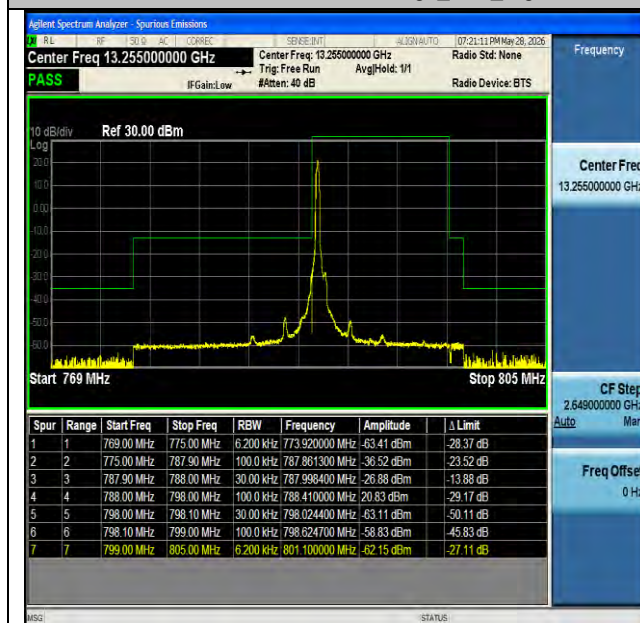




NTNV-n14-PC3-15-5-H-CP-QPSK-Edge_1RB_Right-PASS



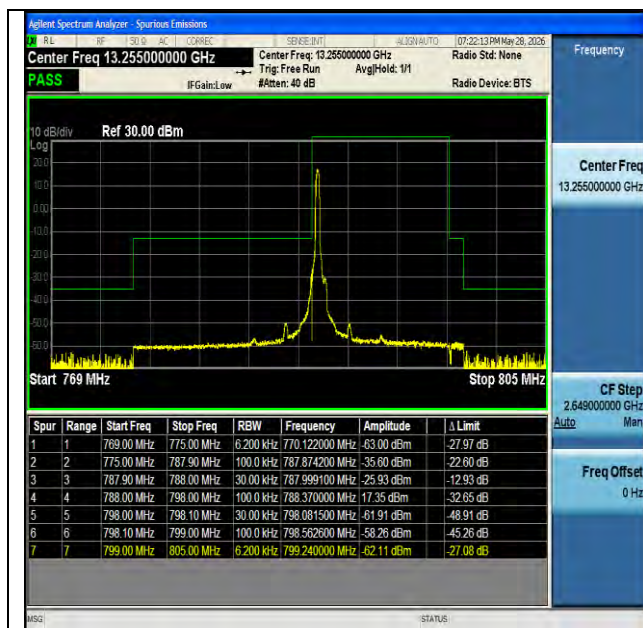
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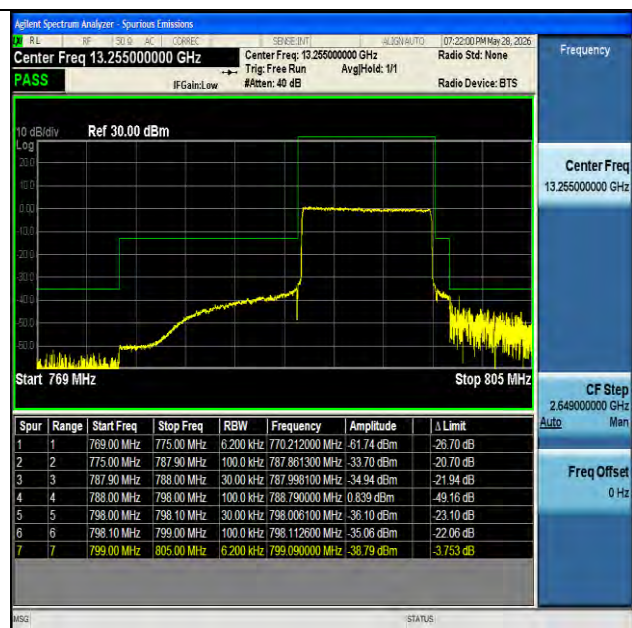
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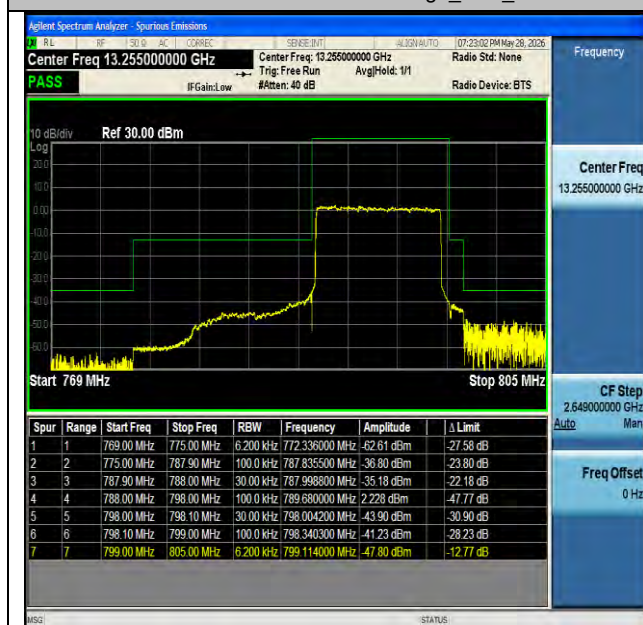
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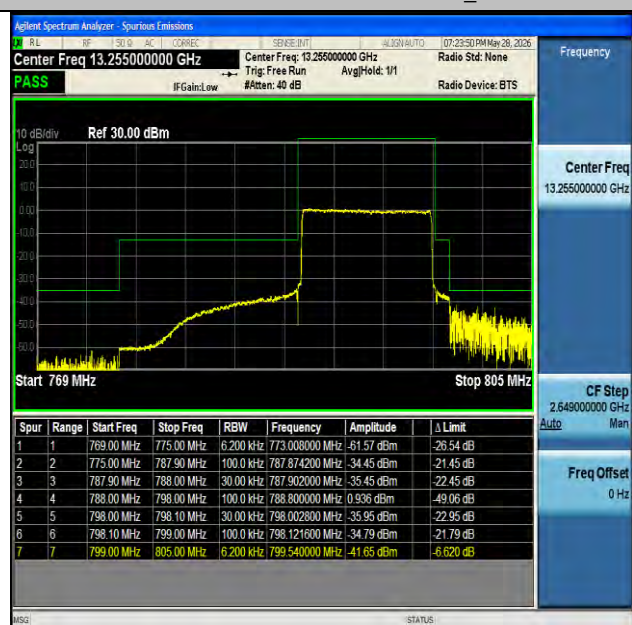
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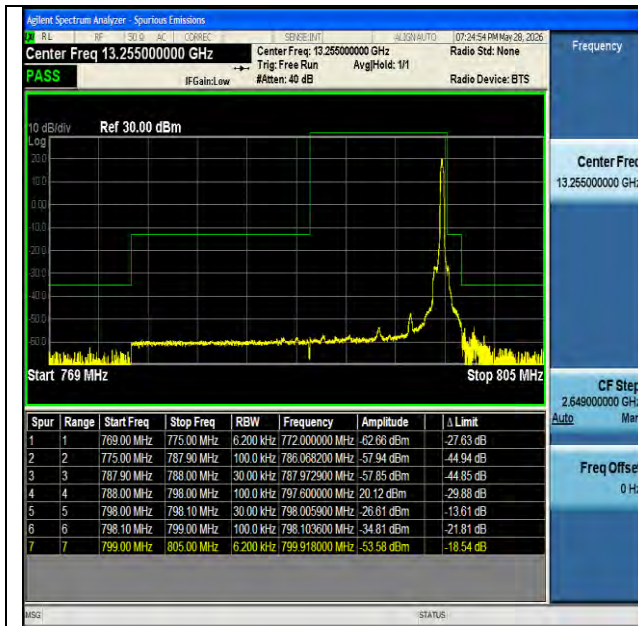
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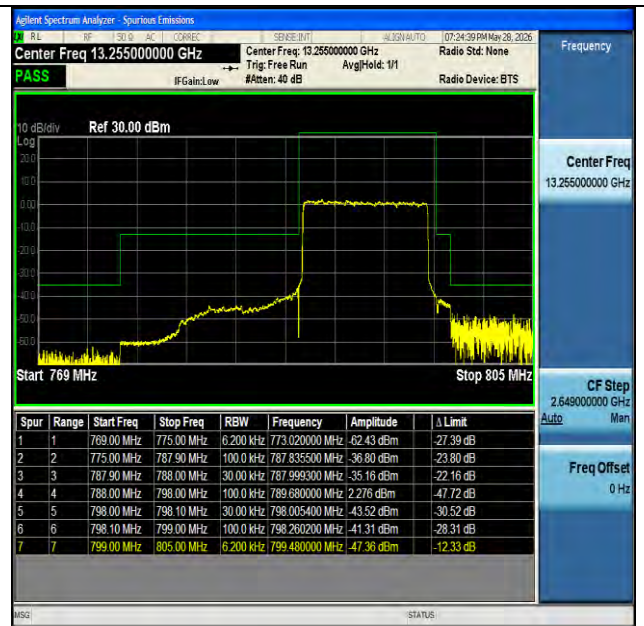
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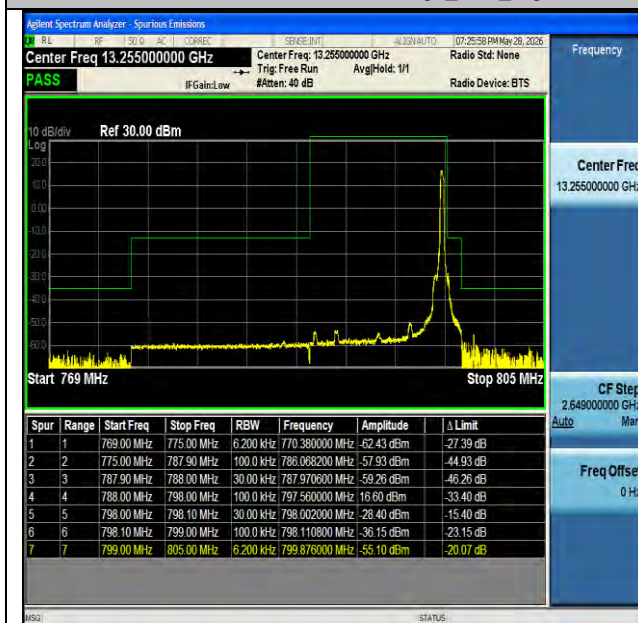
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NTNV-n14-PC3-15-10-H-DFT-BPSK-Edge_1RB_Right-PASS



NTNV-n14-PC3-15-10-H-DFT-BPSK-Outer_Full-PASS



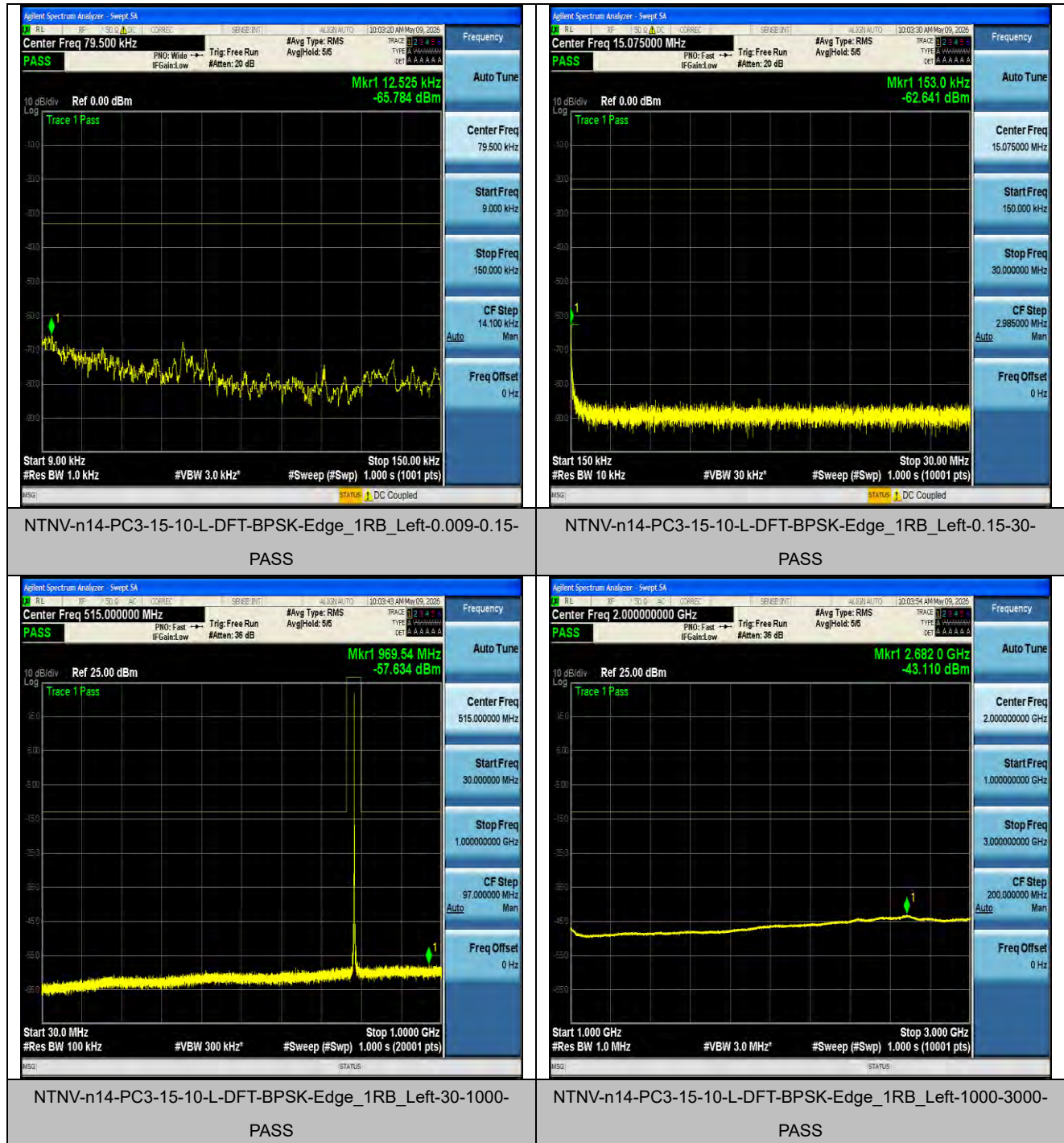
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NTNV-n14-PC3-15-10-H-CP-QPSK-Outer_Full-PASS

Conducted Spurious Emission for SA

Test Graphs

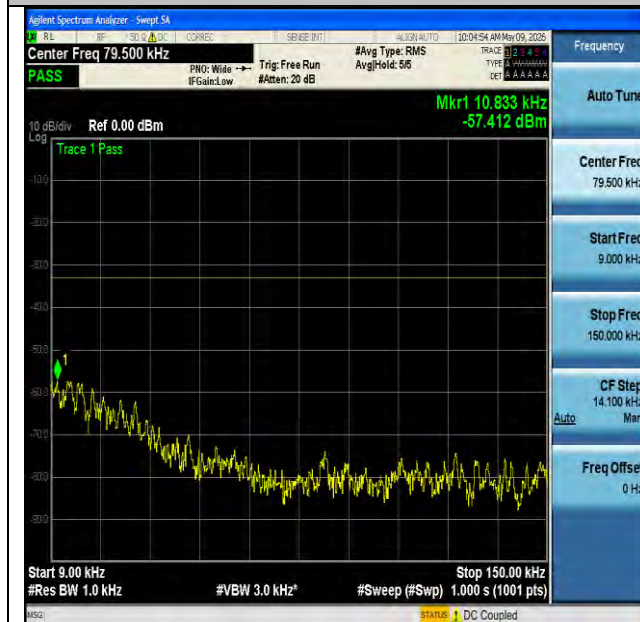




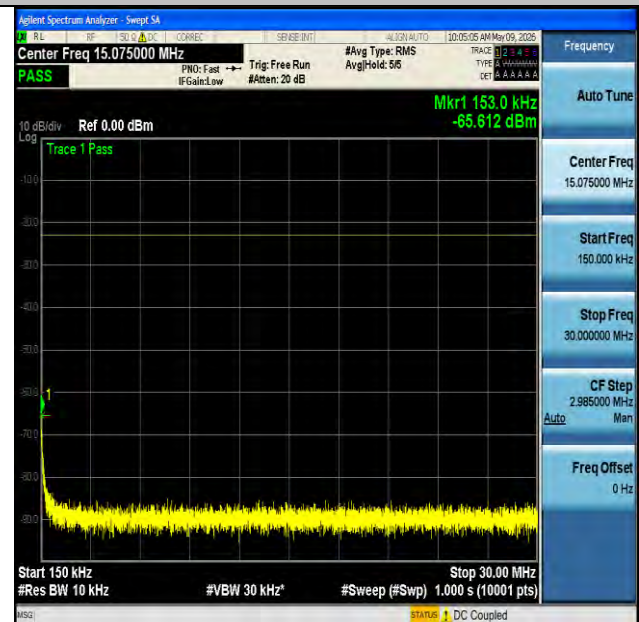
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PASS



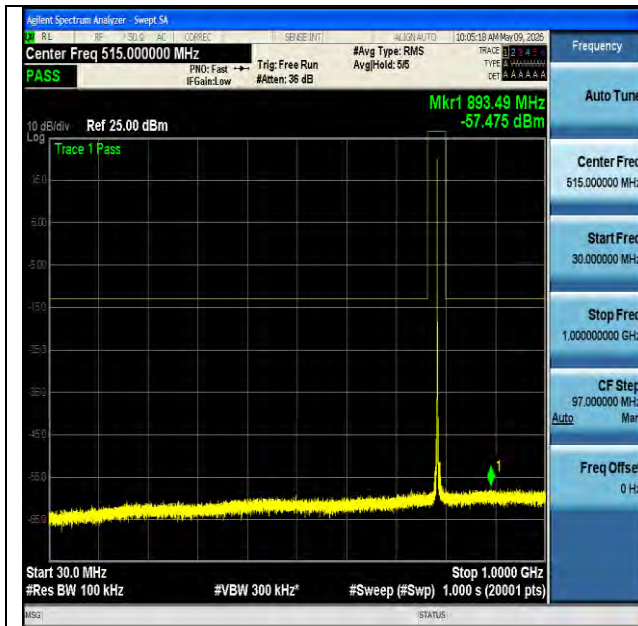
NTNV-n14-PC3-15-10-L-DFT-BPSK-Edge_1RB_Left-12000-
20000-PASS



NTNV-n14-PC3-15-10-L-CP-QPSK-Edge_1RB_Left-0.009-0.15-
PASS



NTNV-n14-PC3-15-10-L-CP-QPSK-Edge_1RB_Left-0.15-30-
PASS



NTNV-n14-PC3-15-10-L-CP-QPSK-Edge_1RB_Left-30-1000-
PASS



NTNV-n14-PC3-15-10-L-CP-QPSK-Edge_1RB_Left-1000-3000-
PASS



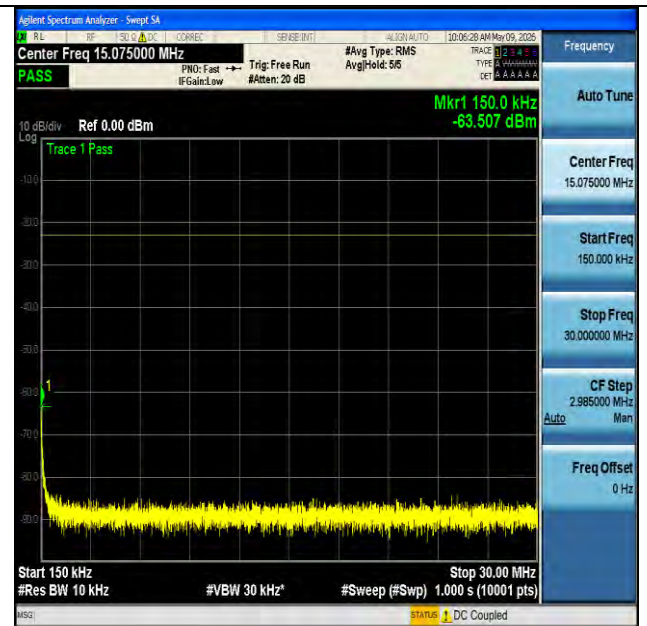
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PASS



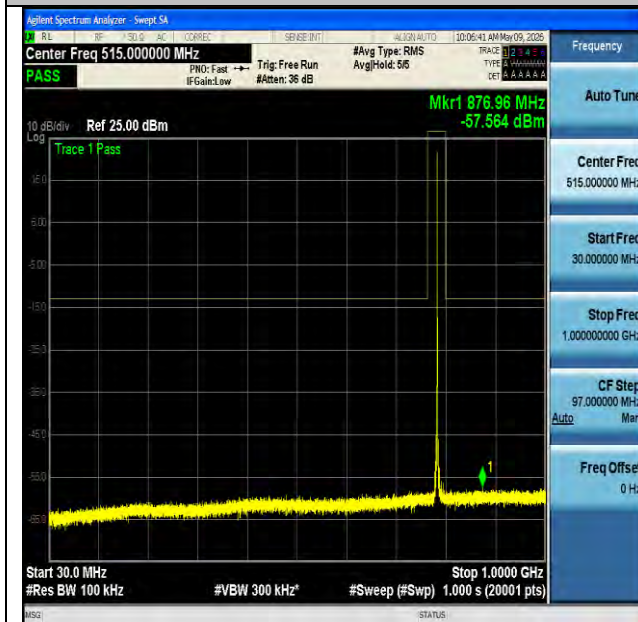
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20000-PASS



NTNV-n14-PC3-15-10-M-DFT-BPSK-Edge_1RB_Left-0.009-0.15-
PASS



NTNV-n14-PC3-15-10-M-DFT-BPSK-Edge_1RB_Left-0.15-30-
PASS



NTNV-n14-PC3-15-10-M-DFT-BPSK-Edge_1RB_Left-30-1000-
PASS



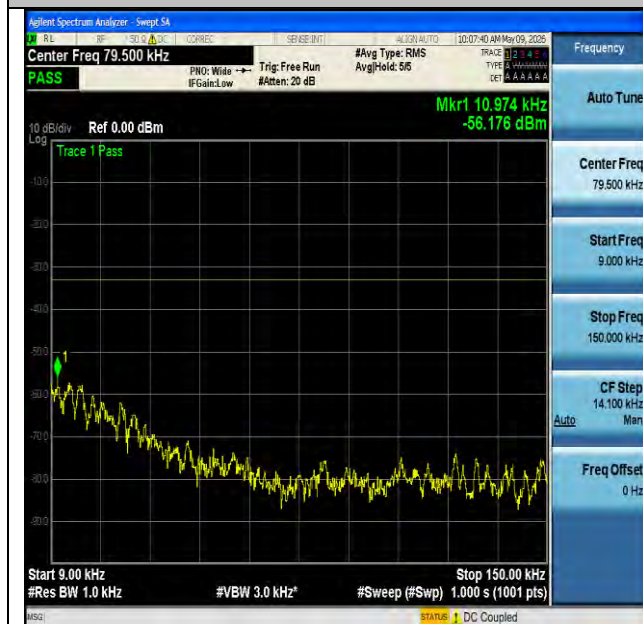
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PASS



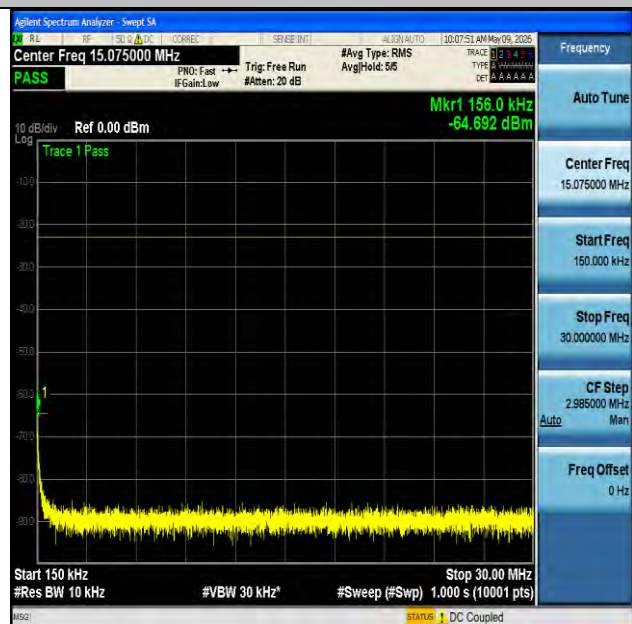
NTNV-n14-PC3-15-10-M-DFT-BPSK-Edge_1RB_Left-3000-12000-PASS



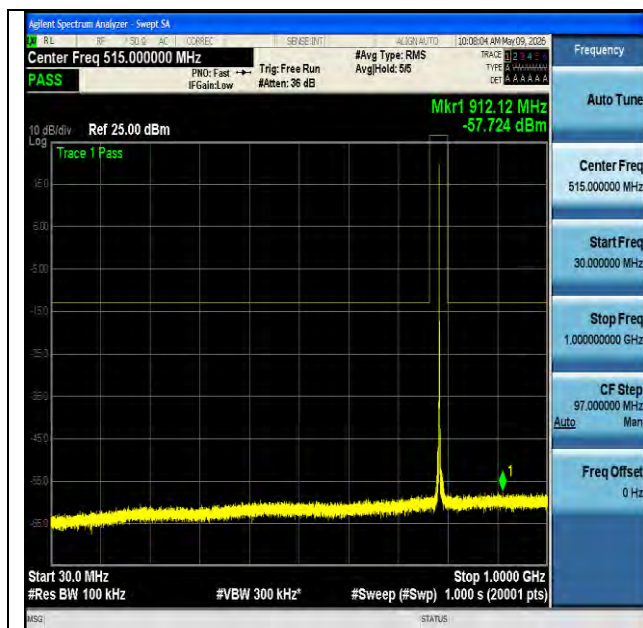
NTNV-n14-PC3-15-10-M-DFT-BPSK-Edge_1RB_Left-12000-20000-PASS



NTNV-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Left-0.009-0.15-PASS



NTNV-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Left-0.15-30-PASS



NTNV-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Left-30-1000-
PASS



NTNV-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Left-1000-3000-
PASS



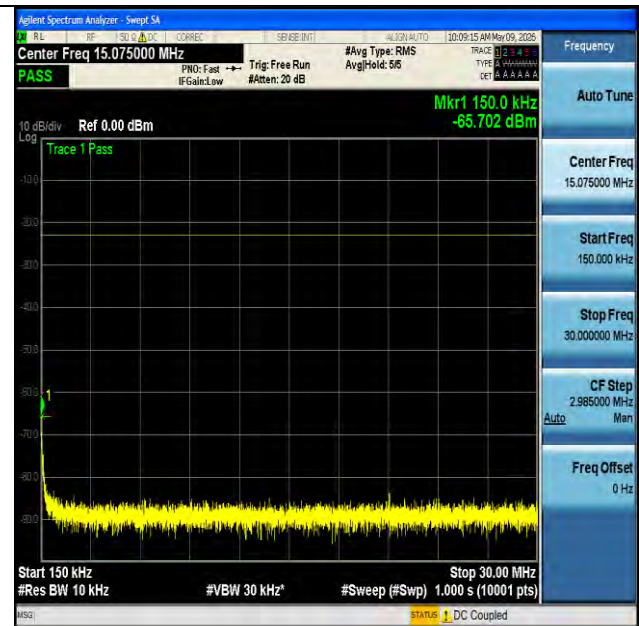
NTNV-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Left-3000-12000-
PASS



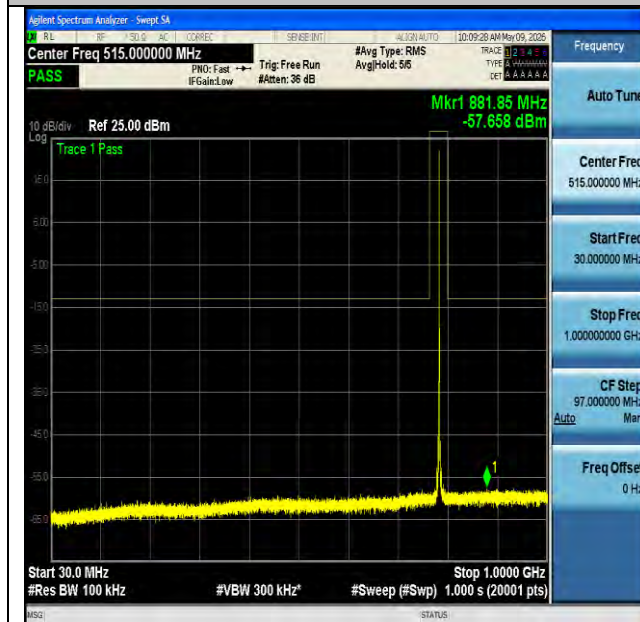
NTNV-n14-PC3-15-10-M-CP-QPSK-Edge_1RB_Left-12000-
20000-PASS



NTNV-n14-PC3-15-10-H-DFT-BPSK-Edge_1RB_Left-0.009-0.15-
PASS



NTNV-n14-PC3-15-10-H-DFT-BPSK-Edge_1RB_Left-0.15-30-
PASS



NTNV-n14-PC3-15-10-H-DFT-BPSK-Edge_1RB_Left-30-1000-
PASS



NTNV-n14-PC3-15-10-H-DFT-BPSK-Edge_1RB_Left-1000-3000-
PASS



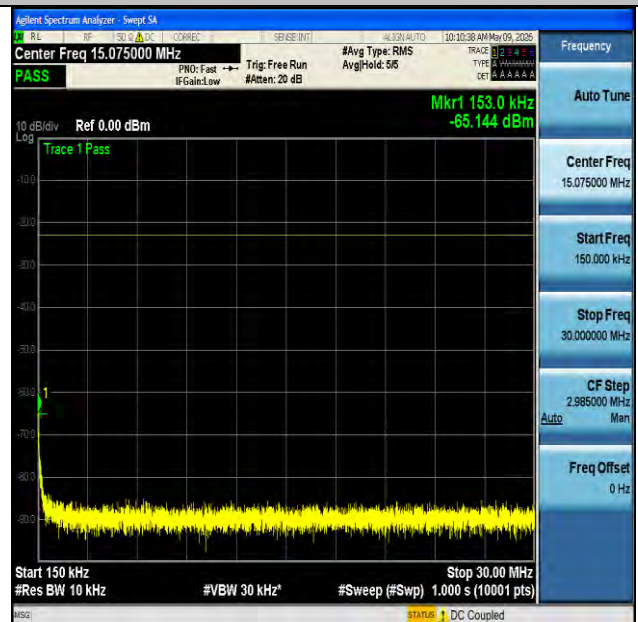
NTNV-n14-PC3-15-10-H-DFT-BPSK-Edge_1RB_Left-3000-12000-PASS



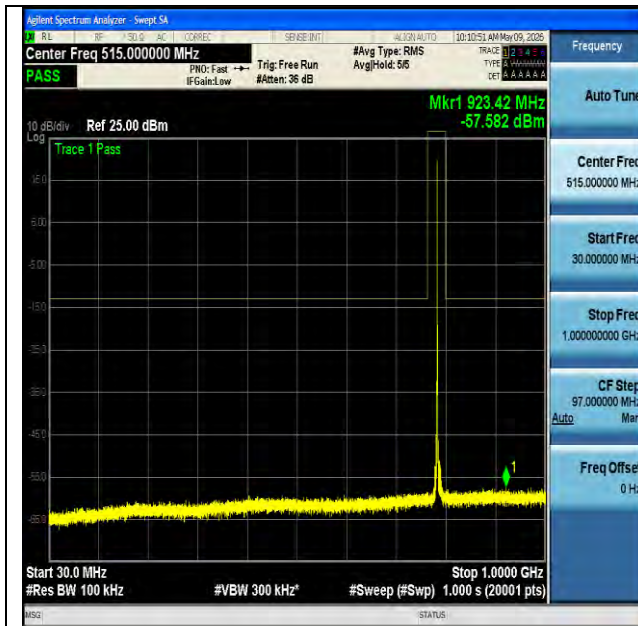
NTNV-n14-PC3-15-10-H-DFT-BPSK-Edge_1RB_Left-12000-20000-PASS



NTNV-n14-PC3-15-10-H-CP-QPSK-Edge_1RB_Left-0.009-0.15-PASS



NTNV-n14-PC3-15-10-H-CP-QPSK-Edge_1RB_Left-0.15-30-PASS



NTNV-n14-PC3-15-10-H-CP-QPSK-Edge_1RB_Left-30-1000-
PASS



NTNV-n14-PC3-15-10-H-CP-QPSK-Edge_1RB_Left-1000-3000-
PASS



NTNV-n14-PC3-15-10-H-CP-QPSK-Edge_1RB_Left-3000-12000-
PASS



NTNV-n14-PC3-15-10-H-CP-QPSK-Edge_1RB_Left-12000-
20000-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
n14	15	10	DFT-BPSK	M	Outer_Full	VL	NT	3	0.003783	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	VN	NT	-0.7	-0.000883	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	VH	NT	0	0	PASS
n14	15	10	CP-QPSK	M	Outer_Full	VL	NT	-0.1	-0.000126	PASS
n14	15	10	CP-QPSK	M	Outer_Full	VN	NT	0	0	PASS
n14	15	10	CP-QPSK	M	Outer_Full	VH	NT	2.6	0.003279	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
n14	15	10	DFT-BPSK	M	Outer_Full	NV	-30	-1	-0.001261	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	-20	0.6	0.000757	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	-10	3	0.003783	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	0	2.9	0.003657	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	10	-0.9	-0.001135	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	20	-2.9	-0.003657	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	30	1.7	0.002144	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	40	2.5	0.003153	PASS
n14	15	10	DFT-BPSK	M	Outer_Full	NV	50	-0.4	-0.000504	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	-30	0.4	0.000504	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	-20	5.1	0.006431	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	-10	2.7	0.003405	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	0	2.6	0.003279	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	10	2.7	0.003405	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	20	-0.8	-0.001009	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	30	2.2	0.002774	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	40	2	0.002522	PASS
n14	15	10	CP-QPSK	M	Outer_Full	NV	50	1	0.001261	PASS

~The End~