

**Appendix for KSCR221000187203-n48**

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	eirp	limit	Verdict
N48	30	10	DFT-QPSK	L	Inner_1RB_Left	20.45	20.32	23	PASS
N48	30	10	DFT-QPSK	L	Inner_1RB_Right	20.63	20.50	23	PASS
N48	30	10	DFT-QPSK	L	Outer_Full	20.12	19.99	23	PASS
N48	30	10	DFT-16QAM	L	Inner_1RB_Left	19.54	19.41	23	PASS
N48	30	10	DFT-16QAM	L	Inner_1RB_Right	19.45	19.32	23	PASS
N48	30	10	DFT-16QAM	L	Outer_Full	19.12	18.99	23	PASS
N48	30	10	DFT-64QAM	L	Inner_1RB_Left	18.85	18.72	23	PASS
N48	30	10	DFT-64QAM	L	Inner_1RB_Right	18.65	18.52	23	PASS
N48	30	10	DFT-64QAM	L	Outer_Full	18.74	18.61	23	PASS
N48	30	10	DFT-256QAM	L	Inner_1RB_Left	17.65	17.52	23	PASS
N48	30	10	DFT-256QAM	L	Inner_1RB_Right	17.52	17.39	23	PASS
N48	30	10	DFT-256QAM	L	Outer_Full	17.32	17.19	23	PASS
N48	30	10	DFT-QPSK	M	Inner_1RB_Left	20.56	20.43	23	PASS
N48	30	10	DFT-QPSK	M	Inner_1RB_Right	20.45	20.32	23	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	19.05	18.92	23	PASS
N48	30	10	DFT-16QAM	M	Inner_1RB_Left	19.12	18.99	23	PASS
N48	30	10	DFT-16QAM	M	Inner_1RB_Right	19.23	19.10	23	PASS
N48	30	10	DFT-16QAM	M	Outer_Full	19.02	18.89	23	PASS
N48	30	10	DFT-64QAM	M	Inner_1RB_Left	18.32	18.19	23	PASS
N48	30	10	DFT-64QAM	M	Inner_1RB_Right	18.45	18.32	23	PASS
N48	30	10	DFT-64QAM	M	Outer_Full	18.52	18.39	23	PASS
N48	30	10	DFT-256QAM	M	Inner_1RB_Left	17.32	17.19	23	PASS
N48	30	10	DFT-256QAM	M	Inner_1RB_Right	17.52	17.39	23	PASS
N48	30	10	DFT-256QAM	M	Outer_Full	17.54	17.41	23	PASS
N48	30	10	DFT-QPSK	H	Inner_1RB_Left	20.6	20.47	23	PASS



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N48	30	10	DFT-QPSK	H	Inner_1RB_Right	20.71	20.58	23	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	19.72	19.59	23	PASS
N48	30	10	DFT-16QAM	H	Inner_1RB_Left	19.54	19.41	23	PASS
N48	30	10	DFT-16QAM	H	Inner_1RB_Right	19.59	19.46	23	PASS
N48	30	10	DFT-16QAM	H	Outer_Full	18.71	18.58	23	PASS
N48	30	10	DFT-64QAM	H	Inner_1RB_Left	18.33	18.20	23	PASS
N48	30	10	DFT-64QAM	H	Inner_1RB_Right	18.39	18.26	23	PASS
N48	30	10	DFT-64QAM	H	Outer_Full	18.32	18.19	23	PASS
N48	30	10	DFT-256QAM	H	Inner_1RB_Left	17.52	17.39	23	PASS
N48	30	10	DFT-256QAM	H	Inner_1RB_Right	17.63	17.50	23	PASS
N48	30	10	DFT-256QAM	H	Outer_Full	17.52	17.39	23	PASS
N48	30	15	DFT-QPSK	L	Inner_1RB_Left	20.65	20.52	23	PASS
N48	30	15	DFT-QPSK	L	Inner_1RB_Right	20.39	20.26	23	PASS
N48	30	15	DFT-QPSK	L	Outer_Full	19.72	19.59	23	PASS
N48	30	15	DFT-16QAM	L	Inner_1RB_Left	19.25	19.12	23	PASS
N48	30	15	DFT-16QAM	L	Inner_1RB_Right	19.33	19.20	23	PASS
N48	30	15	DFT-16QAM	L	Outer_Full	19.02	18.89	23	PASS
N48	30	15	DFT-64QAM	L	Inner_1RB_Left	18.46	18.33	23	PASS
N48	30	15	DFT-64QAM	L	Inner_1RB_Right	18.52	18.39	23	PASS
N48	30	15	DFT-64QAM	L	Outer_Full	18.32	18.19	23	PASS
N48	30	15	DFT-256QAM	L	Inner_1RB_Left	17.98	17.85	23	PASS
N48	30	15	DFT-256QAM	L	Inner_1RB_Right	17.88	17.75	23	PASS
N48	30	15	DFT-256QAM	L	Outer_Full	17.65	17.52	23	PASS
N48	30	15	DFT-QPSK	M	Inner_1RB_Left	19.93	19.80	23	PASS
N48	30	15	DFT-QPSK	M	Inner_1RB_Right	19.83	19.70	23	PASS
N48	30	15	DFT-QPSK	M	Outer_Full	19.06	18.93	23	PASS
N48	30	15	DFT-16QAM	M	Inner_1RB_Left	19.04	18.91	23	PASS
N48	30	15	DFT-16QAM	M	Inner_1RB_Right	18.84	18.71	23	PASS
N48	30	15	DFT-16QAM	M	Outer_Full	18.07	17.94	23	PASS
N48	30	15	DFT-64QAM	M	Inner_1RB_Left	18.85	18.72	23	PASS
N48	30	15	DFT-64QAM	M	Inner_1RB_Right	18.32	18.19	23	PASS
N48	30	15	DFT-64QAM	M	Outer_Full	18.41	18.28	23	PASS
N48	30	15	DFT-256QAM	M	Inner_1RB_Left	17.52	17.39	23	PASS



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N48	30	15	DFT-256QAM	M	Inner_1RB_Right	17.63	17.50	23	PASS
N48	30	15	DFT-256QAM	M	Outer_Full	17.85	17.72	23	PASS
N48	30	15	DFT-QPSK	H	Inner_1RB_Left	20.56	20.43	23	PASS
N48	30	15	DFT-QPSK	H	Inner_1RB_Right	20.67	20.54	23	PASS
N48	30	15	DFT-QPSK	H	Outer_Full	20.32	20.19	23	PASS
N48	30	15	DFT-16QAM	H	Inner_1RB_Left	19.85	19.72	23	PASS
N48	30	15	DFT-16QAM	H	Inner_1RB_Right	19.65	19.52	23	PASS
N48	30	15	DFT-16QAM	H	Outer_Full	19.23	19.10	23	PASS
N48	30	15	DFT-64QAM	H	Inner_1RB_Left	18.74	18.61	23	PASS
N48	30	15	DFT-64QAM	H	Inner_1RB_Right	18.65	18.52	23	PASS
N48	30	15	DFT-64QAM	H	Outer_Full	18.23	18.10	23	PASS
N48	30	15	DFT-256QAM	H	Inner_1RB_Left	18.12	17.99	23	PASS
N48	30	15	DFT-256QAM	H	Inner_1RB_Right	17.68	17.55	23	PASS
N48	30	15	DFT-256QAM	H	Outer_Full	17.85	17.72	23	PASS
N48	30	20	DFT-QPSK	L	Inner_1RB_Left	20.69	20.56	23	PASS
N48	30	20	DFT-QPSK	L	Inner_1RB_Right	20.4	20.27	23	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	19.64	19.51	23	PASS
N48	30	20	DFT-16QAM	L	Inner_1RB_Left	19.65	19.52	23	PASS
N48	30	20	DFT-16QAM	L	Inner_1RB_Right	19.85	19.72	23	PASS
N48	30	20	DFT-16QAM	L	Outer_Full	19.74	19.61	23	PASS
N48	30	20	DFT-64QAM	L	Inner_1RB_Left	18.32	18.19	23	PASS
N48	30	20	DFT-64QAM	L	Inner_1RB_Right	18.58	18.45	23	PASS
N48	30	20	DFT-64QAM	L	Outer_Full	18.21	18.08	23	PASS
N48	30	20	DFT-256QAM	L	Inner_1RB_Left	17.96	17.83	23	PASS
N48	30	20	DFT-256QAM	L	Inner_1RB_Right	17.69	17.56	23	PASS
N48	30	20	DFT-256QAM	L	Outer_Full	17.32	17.19	23	PASS
N48	30	20	DFT-QPSK	M	Inner_1RB_Left	20.32	20.19	23	PASS
N48	30	20	DFT-QPSK	M	Inner_1RB_Right	20.12	19.99	23	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	19.89	19.76	23	PASS
N48	30	20	DFT-16QAM	M	Inner_1RB_Left	19.85	19.72	23	PASS
N48	30	20	DFT-16QAM	M	Inner_1RB_Right	19.45	19.32	23	PASS
N48	30	20	DFT-16QAM	M	Outer_Full	19.32	19.19	23	PASS
N48	30	20	DFT-64QAM	M	Inner_1RB_Left	18.96	18.83	23	PASS



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N48	30	20	DFT-64QAM	M	Inner_1RB_Right	18.74	18.61	23	PASS
N48	30	20	DFT-64QAM	M	Outer_Full	18.23	18.10	23	PASS
N48	30	20	DFT-256QAM	M	Inner_1RB_Left	17.25	17.12	23	PASS
N48	30	20	DFT-256QAM	M	Inner_1RB_Right	17.32	17.19	23	PASS
N48	30	20	DFT-256QAM	M	Outer_Full	17.23	17.10	23	PASS
N48	30	20	DFT-QPSK	H	Inner_1RB_Left	20.54	20.41	23	PASS
N48	30	20	DFT-QPSK	H	Inner_1RB_Right	20.69	20.56	23	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	19.63	19.50	23	PASS
N48	30	20	DFT-16QAM	H	Inner_1RB_Left	18.32	18.19	23	PASS
N48	30	20	DFT-16QAM	H	Inner_1RB_Right	18.41	18.28	23	PASS
N48	30	20	DFT-16QAM	H	Outer_Full	18.25	18.12	23	PASS
N48	30	20	DFT-64QAM	H	Inner_1RB_Left	17.89	17.76	23	PASS
N48	30	20	DFT-64QAM	H	Inner_1RB_Right	17.63	17.50	23	PASS
N48	30	20	DFT-64QAM	H	Outer_Full	17.85	17.72	23	PASS
N48	30	20	DFT-256QAM	H	Inner_1RB_Left	16.12	15.99	23	PASS
N48	30	20	DFT-256QAM	H	Inner_1RB_Right	16.32	16.19	23	PASS
N48	30	20	DFT-256QAM	H	Outer_Full	16.52	16.39	23	PASS
N48	30	40	DFT-QPSK	L	Inner_1RB_Left	20.7	20.57	23	PASS
N48	30	40	DFT-QPSK	L	Inner_1RB_Right	20.18	20.05	23	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	19.48	19.35	23	PASS
N48	30	40	DFT-16QAM	L	Inner_1RB_Left	18.63	18.50	23	PASS
N48	30	40	DFT-16QAM	L	Inner_1RB_Right	18.45	18.32	23	PASS
N48	30	40	DFT-16QAM	L	Outer_Full	18.32	18.19	23	PASS
N48	30	40	DFT-64QAM	L	Inner_1RB_Left	17.52	17.39	23	PASS
N48	30	40	DFT-64QAM	L	Inner_1RB_Right	17.65	17.52	23	PASS
N48	30	40	DFT-64QAM	L	Outer_Full	17.52	17.39	23	PASS
N48	30	40	DFT-256QAM	L	Inner_1RB_Left	16.53	16.40	23	PASS
N48	30	40	DFT-256QAM	L	Inner_1RB_Right	16.01	15.88	23	PASS
N48	30	40	DFT-256QAM	L	Outer_Full	16.25	16.12	23	PASS
N48	30	40	DFT-QPSK	M	Inner_1RB_Left	20.06	19.93	23	PASS
N48	30	40	DFT-QPSK	M	Inner_1RB_Right	19.98	19.85	23	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	19.02	18.89	23	PASS
N48	30	40	DFT-16QAM	M	Inner_1RB_Left	19.12	18.99	23	PASS



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N48	30	40	DFT-16QAM	M	Inner_1RB_Right	18.93	18.80	23	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	18.03	17.90	23	PASS
N48	30	40	DFT-64QAM	M	Inner_1RB_Left	18.26	18.13	23	PASS
N48	30	40	DFT-64QAM	M	Inner_1RB_Right	18.1	17.97	23	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	17.62	17.49	23	PASS
N48	30	40	DFT-256QAM	M	Inner_1RB_Left	16.88	16.75	23	PASS
N48	30	40	DFT-256QAM	M	Inner_1RB_Right	16.62	16.49	23	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	16.6	16.47	23	PASS
N48	30	40	DFT-QPSK	H	Inner_1RB_Left	20.41	20.28	23	PASS
N48	30	40	DFT-QPSK	H	Inner_1RB_Right	20.8	20.67	23	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	19.54	19.41	23	PASS
N48	30	40	DFT-16QAM	H	Inner_1RB_Left	19.85	19.72	23	PASS
N48	30	40	DFT-16QAM	H	Inner_1RB_Right	19.74	19.61	23	PASS
N48	30	40	DFT-16QAM	H	Outer_Full	19.65	19.52	23	PASS
N48	30	40	DFT-64QAM	H	Inner_1RB_Left	18.33	18.20	23	PASS
N48	30	40	DFT-64QAM	H	Inner_1RB_Right	18.25	18.12	23	PASS
N48	30	40	DFT-64QAM	H	Outer_Full	18.41	18.28	23	PASS
N48	30	40	DFT-256QAM	H	Inner_1RB_Left	17.05	16.92	23	PASS
N48	30	40	DFT-256QAM	H	Inner_1RB_Right	17.32	17.19	23	PASS
N48	30	40	DFT-256QAM	H	Outer_Full	17.02	16.89	23	PASS
N48	15	40	DFT-QPSK	L	Inner_1RB_Left	20.49	20.36	23	PASS
N48	15	40	DFT-QPSK	L	Inner_1RB_Right	19.98	19.85	23	PASS
N48	15	40	DFT-QPSK	L	Outer_Full	19.29	19.16	23	PASS
N48	15	40	DFT-16QAM	L	Inner_1RB_Left	18.44	18.31	23	PASS
N48	15	40	DFT-16QAM	L	Inner_1RB_Right	18.27	18.14	23	PASS
N48	15	40	DFT-16QAM	L	Outer_Full	18.14	18.01	23	PASS
N48	15	40	DFT-64QAM	L	Inner_1RB_Left	17.34	17.21	23	PASS
N48	15	40	DFT-64QAM	L	Inner_1RB_Right	17.47	17.34	23	PASS
N48	15	40	DFT-64QAM	L	Outer_Full	17.34	17.21	23	PASS
N48	15	40	DFT-256QAM	L	Inner_1RB_Left	16.36	16.23	23	PASS
N48	15	40	DFT-256QAM	L	Inner_1RB_Right	15.85	15.72	23	PASS
N48	15	40	DFT-256QAM	L	Outer_Full	16.09	15.96	23	PASS
N48	15	40	DFT-QPSK	M	Inner_1RB_Left	19.86	19.73	23	PASS



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N48	15	40	DFT-QPSK	M	Inner_1RB_Right	19.78	19.65	23	PASS
N48	15	40	DFT-QPSK	M	Outer_Full	18.83	18.70	23	PASS
N48	15	40	DFT-16QAM	M	Inner_1RB_Left	18.93	18.80	23	PASS
N48	15	40	DFT-16QAM	M	Inner_1RB_Right	18.74	18.61	23	PASS
N48	15	40	DFT-16QAM	M	Outer_Full	17.85	17.72	23	PASS
N48	15	40	DFT-64QAM	M	Inner_1RB_Left	18.08	17.95	23	PASS
N48	15	40	DFT-64QAM	M	Inner_1RB_Right	17.92	17.79	23	PASS
N48	15	40	DFT-64QAM	M	Outer_Full	17.44	17.31	23	PASS
N48	15	40	DFT-256QAM	M	Inner_1RB_Left	16.71	16.58	23	PASS
N48	15	40	DFT-256QAM	M	Inner_1RB_Right	16.45	16.32	23	PASS
N48	15	40	DFT-256QAM	M	Outer_Full	16.43	16.30	23	PASS
N48	15	40	DFT-QPSK	H	Inner_1RB_Left	20.21	20.08	23	PASS
N48	15	40	DFT-QPSK	H	Inner_1RB_Right	20.59	20.46	23	PASS
N48	15	40	DFT-QPSK	H	Outer_Full	19.34	19.21	23	PASS
N48	15	40	DFT-16QAM	H	Inner_1RB_Left	19.65	19.52	23	PASS
N48	15	40	DFT-16QAM	H	Inner_1RB_Right	19.54	19.41	23	PASS
N48	15	40	DFT-16QAM	H	Outer_Full	19.45	19.32	23	PASS
N48	15	40	DFT-64QAM	H	Inner_1RB_Left	18.15	18.02	23	PASS
N48	15	40	DFT-64QAM	H	Inner_1RB_Right	18.07	17.94	23	PASS
N48	15	40	DFT-64QAM	H	Outer_Full	18.23	18.10	23	PASS
N48	15	40	DFT-256QAM	H	Inner_1RB_Left	16.88	16.75	23	PASS
N48	15	40	DFT-256QAM	H	Inner_1RB_Right	17.15	17.02	23	PASS
N48	15	40	DFT-256QAM	H	Outer_Full	16.85	16.72	23	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

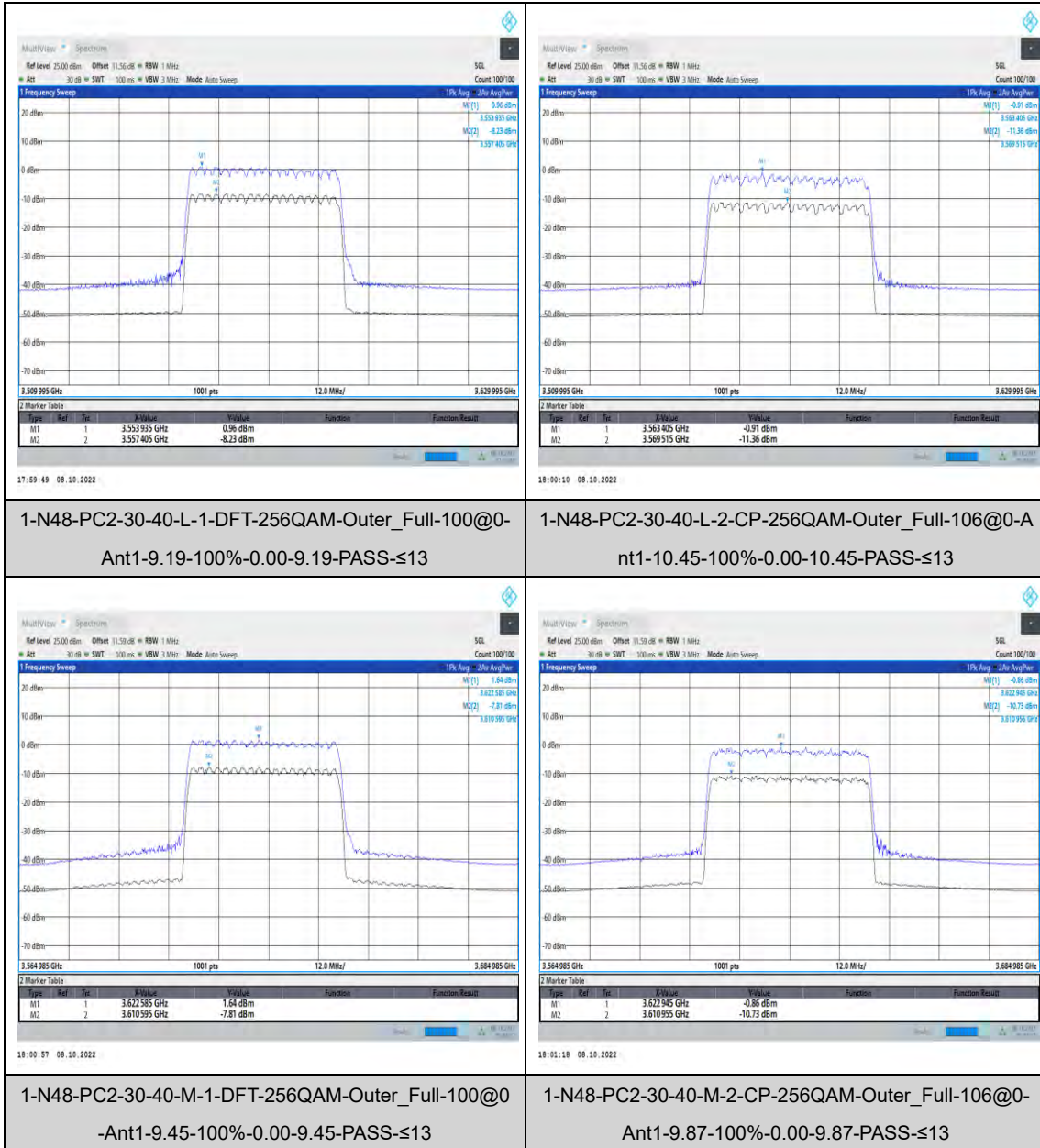
Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N48	30	40	DFT-256QAM	L	Outer_Full	100%	0.00	9.19	≤13	PASS
N48	30	40	CP-256QAM	L	Outer_Full	100%	0.00	10.45	≤13	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	100%	0.00	9.45	≤13	PASS
N48	30	40	CP-256QAM	M	Outer_Full	100%	0.00	9.87	≤13	PASS
N48	30	40	DFT-256QAM	H	Outer_Full	100%	0.00	9.53	≤13	PASS
N48	30	40	CP-256QAM	H	Outer_Full	100%	0.00	10.02	≤13	PASS



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## Test Graphs



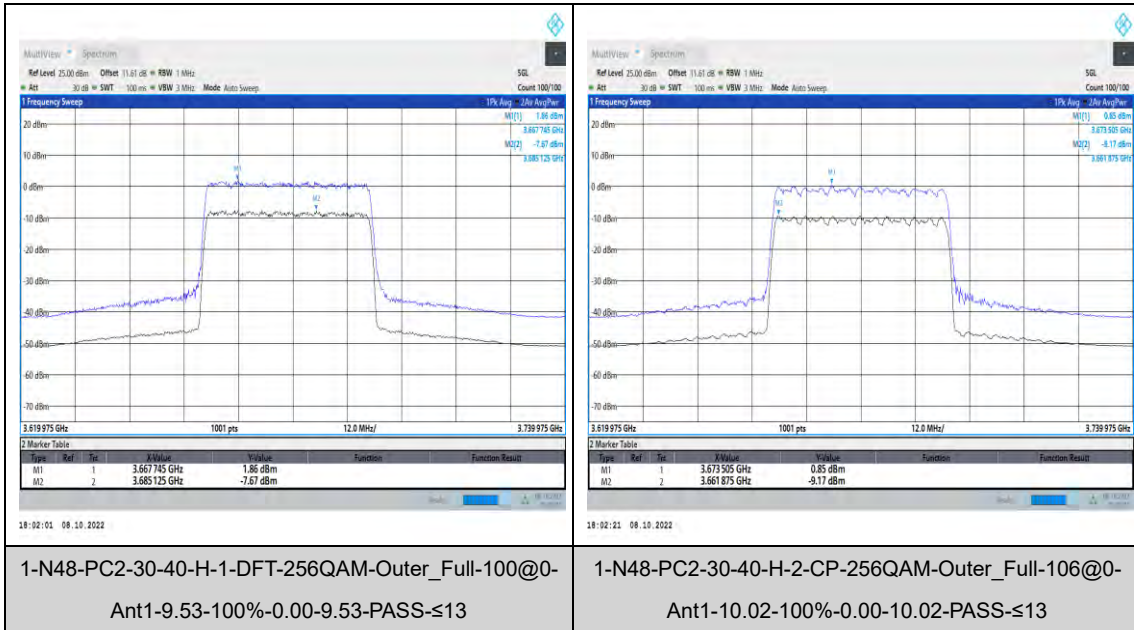
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1-N48-PC2-30-40-H-1-DFT-256QAM-Outer\_Full-100@0-  
Ant1-9.53-100%-0.00-9.53-PASS-≤13

1-N48-PC2-30-40-H-2-CP-256QAM-Outer\_Full-106@0-  
Ant1-10.02-100%-0.00-10.02-PASS-≤13



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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-QPSK	L	Outer_Full	8.569	9.120	PASS
N48	30	10	DFT-16QAM	L	Outer_Full	8.565	9.380	PASS
N48	30	10	DFT-64QAM	L	Outer_Full	8.574	9.380	PASS
N48	30	10	DFT-256QAM	L	Outer_Full	8.583	9.140	PASS
N48	30	10	CP-QPSK	L	Outer_Full	8.587	9.320	PASS
N48	30	10	CP-16QAM	L	Outer_Full	8.574	9.400	PASS
N48	30	10	CP-64QAM	L	Outer_Full	8.566	9.320	PASS
N48	30	10	CP-256QAM	L	Outer_Full	8.585	9.280	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	8.576	9.480	PASS
N48	30	10	DFT-16QAM	M	Outer_Full	8.573	9.300	PASS
N48	30	10	DFT-64QAM	M	Outer_Full	8.569	9.060	PASS
N48	30	10	DFT-256QAM	M	Outer_Full	8.565	9.300	PASS
N48	30	10	CP-QPSK	M	Outer_Full	8.578	9.420	PASS
N48	30	10	CP-16QAM	M	Outer_Full	8.573	9.260	PASS
N48	30	10	CP-64QAM	M	Outer_Full	8.576	9.300	PASS
N48	30	10	CP-256QAM	M	Outer_Full	8.608	9.240	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	8.6	9.440	PASS
N48	30	10	DFT-16QAM	H	Outer_Full	8.561	9.160	PASS
N48	30	10	DFT-64QAM	H	Outer_Full	8.602	9.200	PASS
N48	30	10	DFT-256QAM	H	Outer_Full	8.563	9.140	PASS
N48	30	10	CP-QPSK	H	Outer_Full	8.561	9.220	PASS
N48	30	10	CP-16QAM	H	Outer_Full	8.594	9.340	PASS
N48	30	10	CP-64QAM	H	Outer_Full	8.595	9.340	PASS
N48	30	10	CP-256QAM	H	Outer_Full	8.582	9.440	PASS
N48	30	15	DFT-QPSK	L	Outer_Full	12.85	14.130	PASS
N48	30	15	DFT-16QAM	L	Outer_Full	12.838	13.920	PASS
N48	30	15	DFT-64QAM	L	Outer_Full	12.894	13.890	PASS
N48	30	15	DFT-256QAM	L	Outer_Full	12.832	13.920	PASS



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N48	30	15	CP-QPSK	L	Outer_Full	13.541	14.340	PASS
N48	30	15	CP-16QAM	L	Outer_Full	13.598	14.640	PASS
N48	30	15	CP-64QAM	L	Outer_Full	13.601	14.340	PASS
N48	30	15	CP-256QAM	L	Outer_Full	13.6	14.700	PASS
N48	30	15	DFT-QPSK	M	Outer_Full	12.83	14.070	PASS
N48	30	15	DFT-16QAM	M	Outer_Full	12.844	13.650	PASS
N48	30	15	DFT-64QAM	M	Outer_Full	12.832	13.890	PASS
N48	30	15	DFT-256QAM	M	Outer_Full	12.856	14.160	PASS
N48	30	15	CP-QPSK	M	Outer_Full	13.563	14.670	PASS
N48	30	15	CP-16QAM	M	Outer_Full	13.58	14.550	PASS
N48	30	15	CP-64QAM	M	Outer_Full	13.592	14.610	PASS
N48	30	15	CP-256QAM	M	Outer_Full	13.538	14.520	PASS
N48	30	15	DFT-QPSK	H	Outer_Full	12.856	13.860	PASS
N48	30	15	DFT-16QAM	H	Outer_Full	12.859	13.950	PASS
N48	30	15	DFT-64QAM	H	Outer_Full	12.879	13.890	PASS
N48	30	15	DFT-256QAM	H	Outer_Full	12.828	13.620	PASS
N48	30	15	CP-QPSK	H	Outer_Full	13.576	14.580	PASS
N48	30	15	CP-16QAM	H	Outer_Full	13.599	14.610	PASS
N48	30	15	CP-64QAM	H	Outer_Full	13.63	14.430	PASS
N48	30	15	CP-256QAM	H	Outer_Full	13.554	14.610	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	17.898	19.120	PASS
N48	30	20	DFT-16QAM	L	Outer_Full	17.839	18.840	PASS
N48	30	20	DFT-64QAM	L	Outer_Full	17.786	18.840	PASS
N48	30	20	DFT-256QAM	L	Outer_Full	17.774	18.920	PASS
N48	30	20	CP-QPSK	L	Outer_Full	18.224	19.280	PASS
N48	30	20	CP-16QAM	L	Outer_Full	18.221	18.960	PASS
N48	30	20	CP-64QAM	L	Outer_Full	18.205	19.160	PASS
N48	30	20	CP-256QAM	L	Outer_Full	18.279	19.200	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	17.813	18.920	PASS
N48	30	20	DFT-16QAM	M	Outer_Full	17.812	18.600	PASS
N48	30	20	DFT-64QAM	M	Outer_Full	17.86	18.800	PASS
N48	30	20	DFT-256QAM	M	Outer_Full	17.713	18.840	PASS
N48	30	20	CP-QPSK	M	Outer_Full	18.172	19.040	PASS
N48	30	20	CP-16QAM	M	Outer_Full	18.221	19.080	PASS



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N48	30	20	CP-64QAM	M	Outer_Full	18.231	19.120	PASS
N48	30	20	CP-256QAM	M	Outer_Full	18.204	19.240	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	17.88	18.720	PASS
N48	30	20	DFT-16QAM	H	Outer_Full	17.834	18.680	PASS
N48	30	20	DFT-64QAM	H	Outer_Full	17.822	18.760	PASS
N48	30	20	DFT-256QAM	H	Outer_Full	17.74	18.920	PASS
N48	30	20	CP-QPSK	H	Outer_Full	18.281	18.960	PASS
N48	30	20	CP-16QAM	H	Outer_Full	18.199	19.440	PASS
N48	30	20	CP-64QAM	H	Outer_Full	18.185	19.120	PASS
N48	30	20	CP-256QAM	H	Outer_Full	18.214	19.080	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	35.879	37.520	PASS
N48	30	40	DFT-16QAM	L	Outer_Full	35.818	37.360	PASS
N48	30	40	DFT-64QAM	L	Outer_Full	35.803	38.400	PASS
N48	30	40	DFT-256QAM	L	Outer_Full	35.687	37.680	PASS
N48	30	40	CP-QPSK	L	Outer_Full	37.82	39.760	PASS
N48	30	40	CP-16QAM	L	Outer_Full	37.882	39.600	PASS
N48	30	40	CP-64QAM	L	Outer_Full	37.807	39.520	PASS
N48	30	40	CP-256QAM	L	Outer_Full	37.798	39.840	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	35.748	37.440	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	35.825	37.200	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	35.785	38.160	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	35.715	37.840	PASS
N48	30	40	CP-QPSK	M	Outer_Full	37.891	39.840	PASS
N48	30	40	CP-16QAM	M	Outer_Full	37.865	39.600	PASS
N48	30	40	CP-64QAM	M	Outer_Full	37.967	39.680	PASS
N48	30	40	CP-256QAM	M	Outer_Full	37.751	39.600	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	35.722	37.360	PASS
N48	30	40	DFT-16QAM	H	Outer_Full	35.735	37.360	PASS
N48	30	40	DFT-64QAM	H	Outer_Full	35.729	37.600	PASS
N48	30	40	DFT-256QAM	H	Outer_Full	35.764	37.520	PASS
N48	30	40	CP-QPSK	H	Outer_Full	37.869	39.440	PASS
N48	30	40	CP-16QAM	H	Outer_Full	37.816	39.520	PASS
N48	30	40	CP-64QAM	H	Outer_Full	37.881	39.600	PASS
N48	30	40	CP-256QAM	H	Outer_Full	37.848	39.360	PASS



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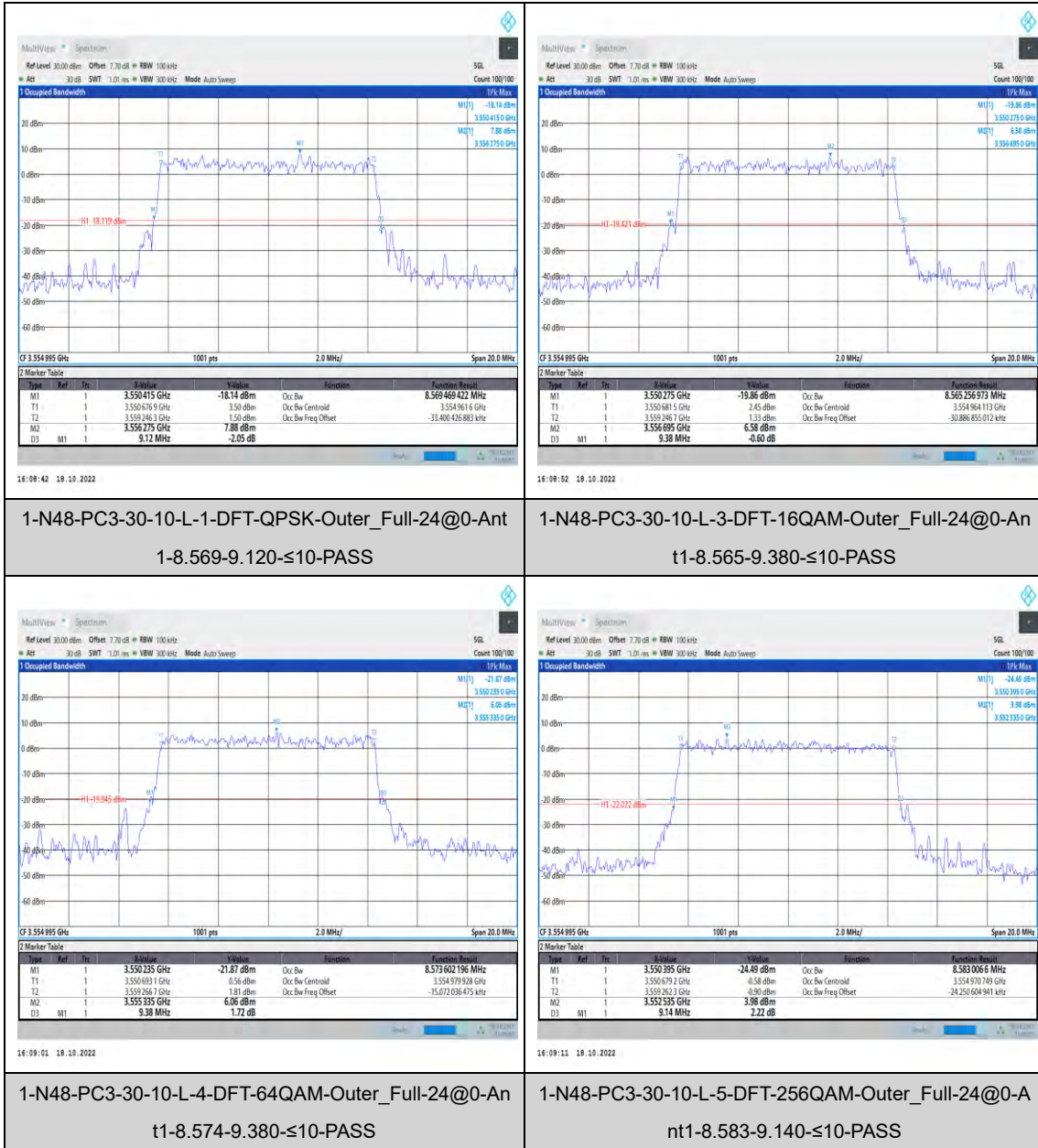
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## Test Graphs

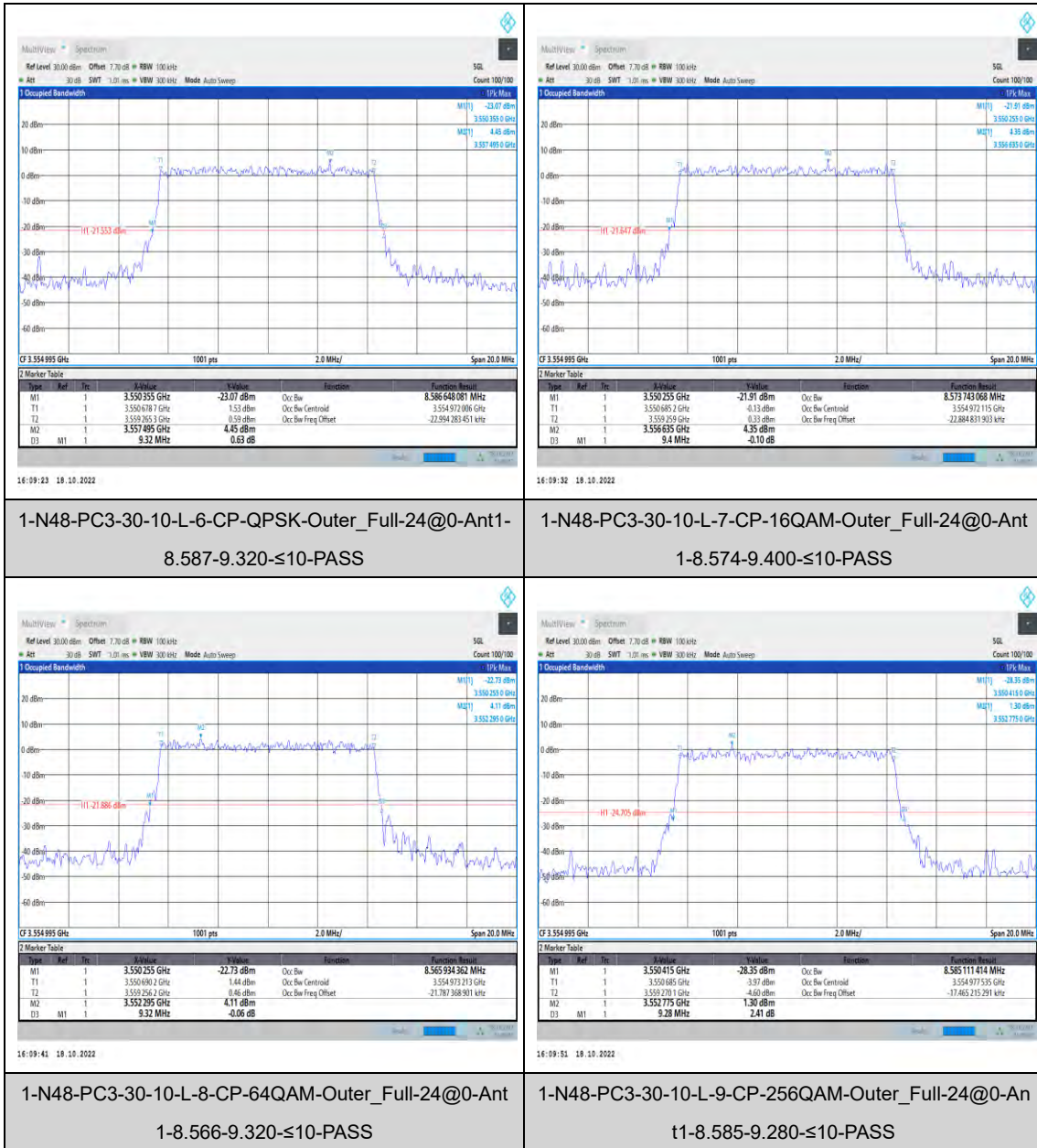


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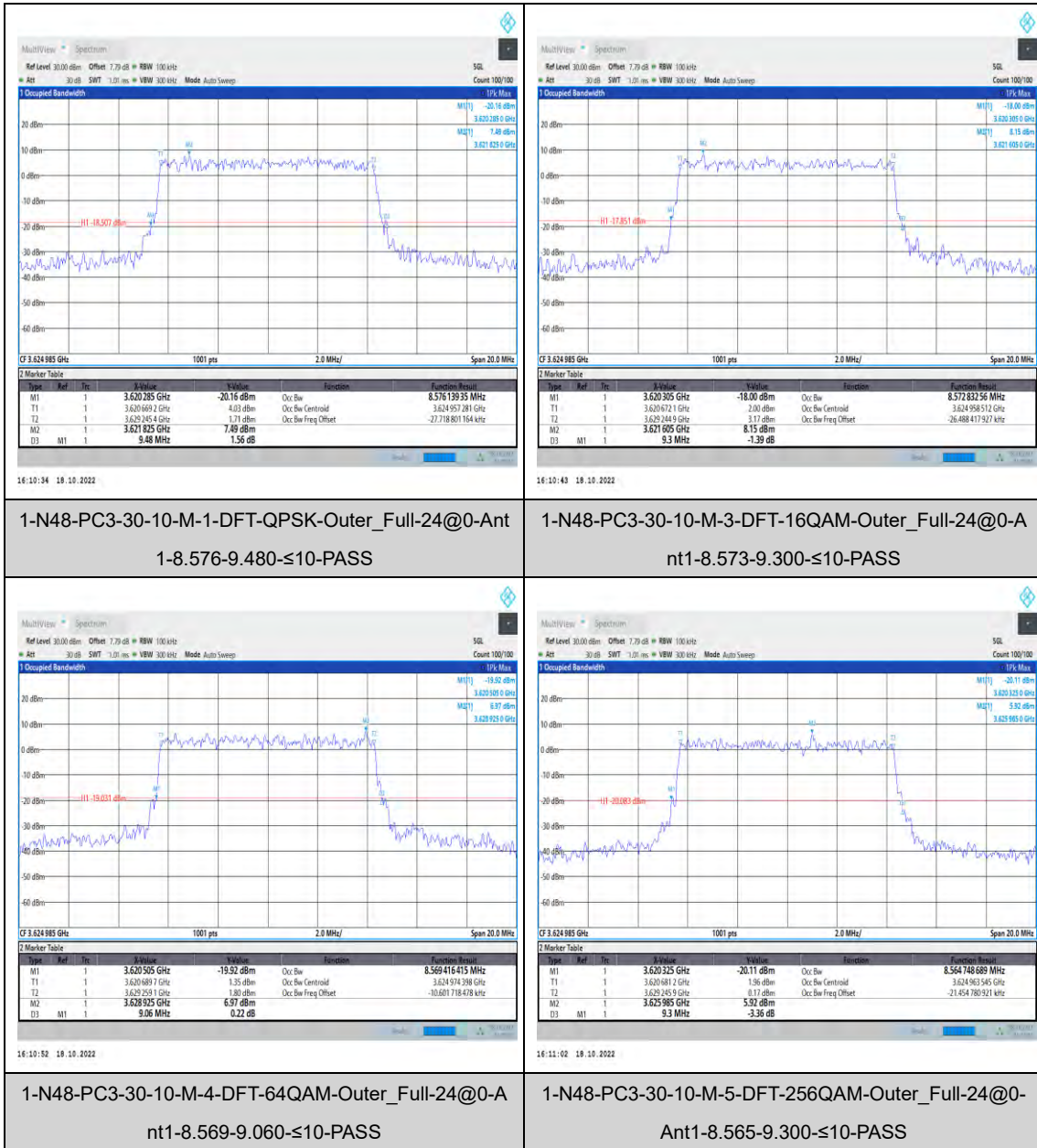
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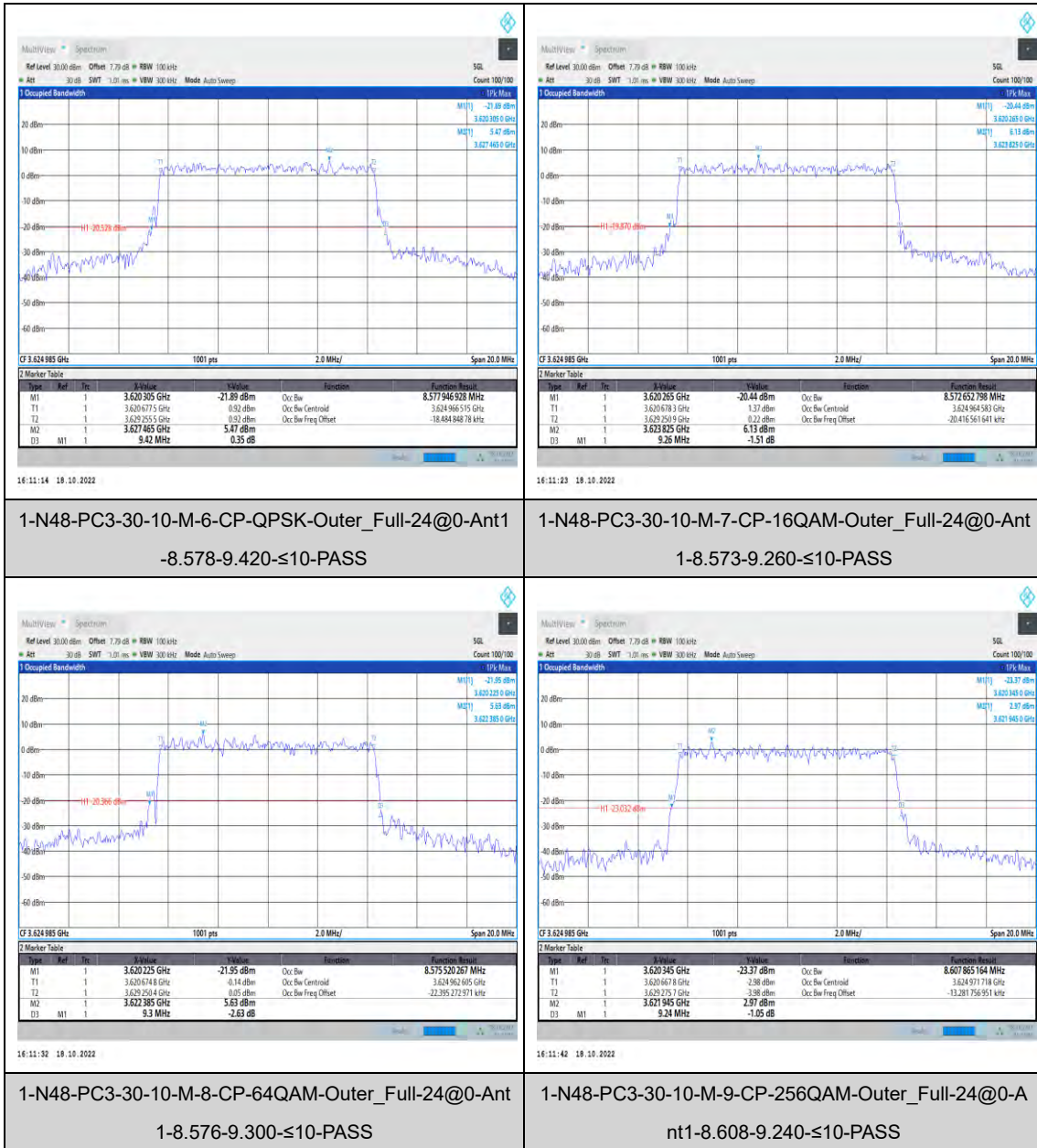




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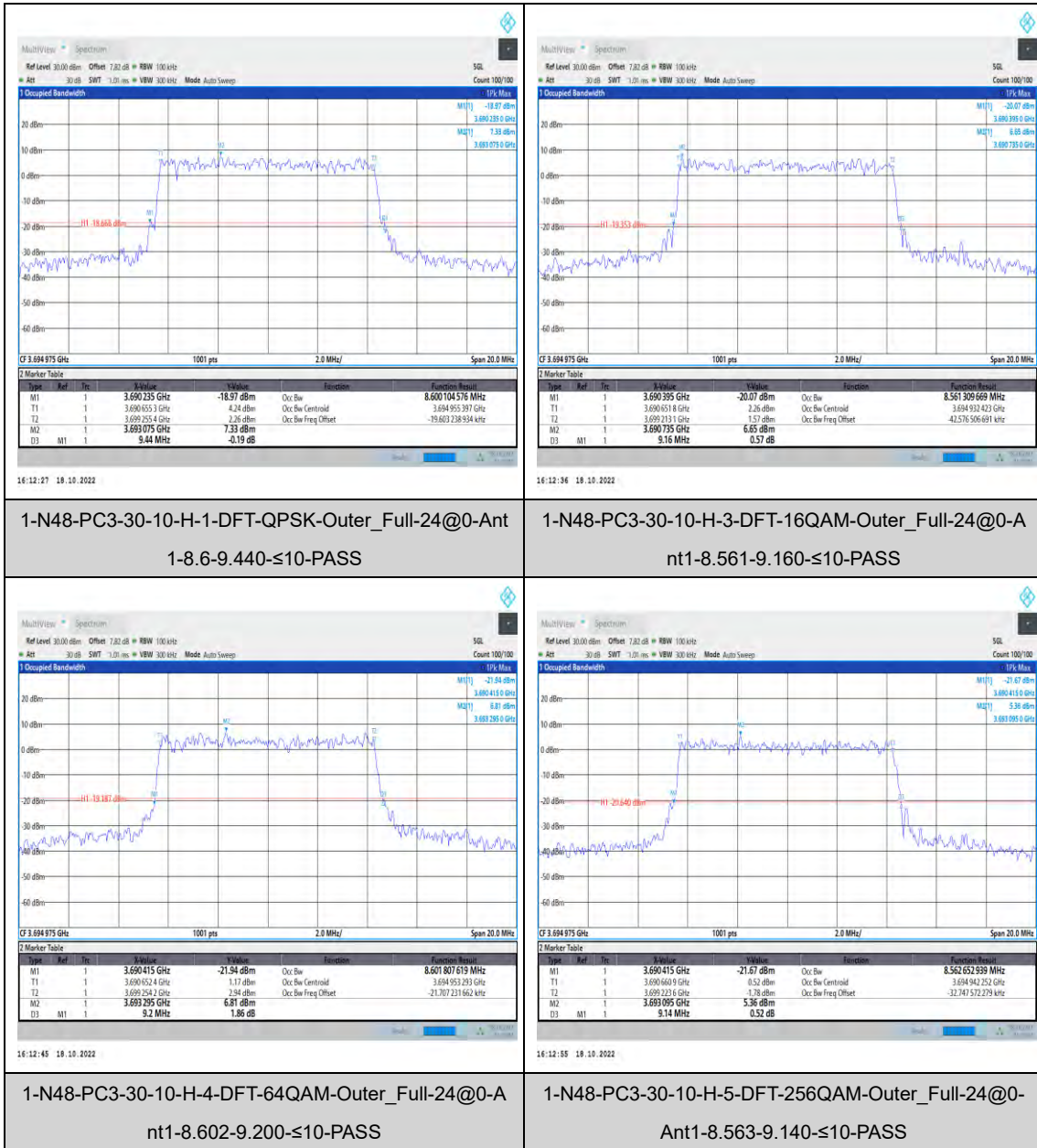




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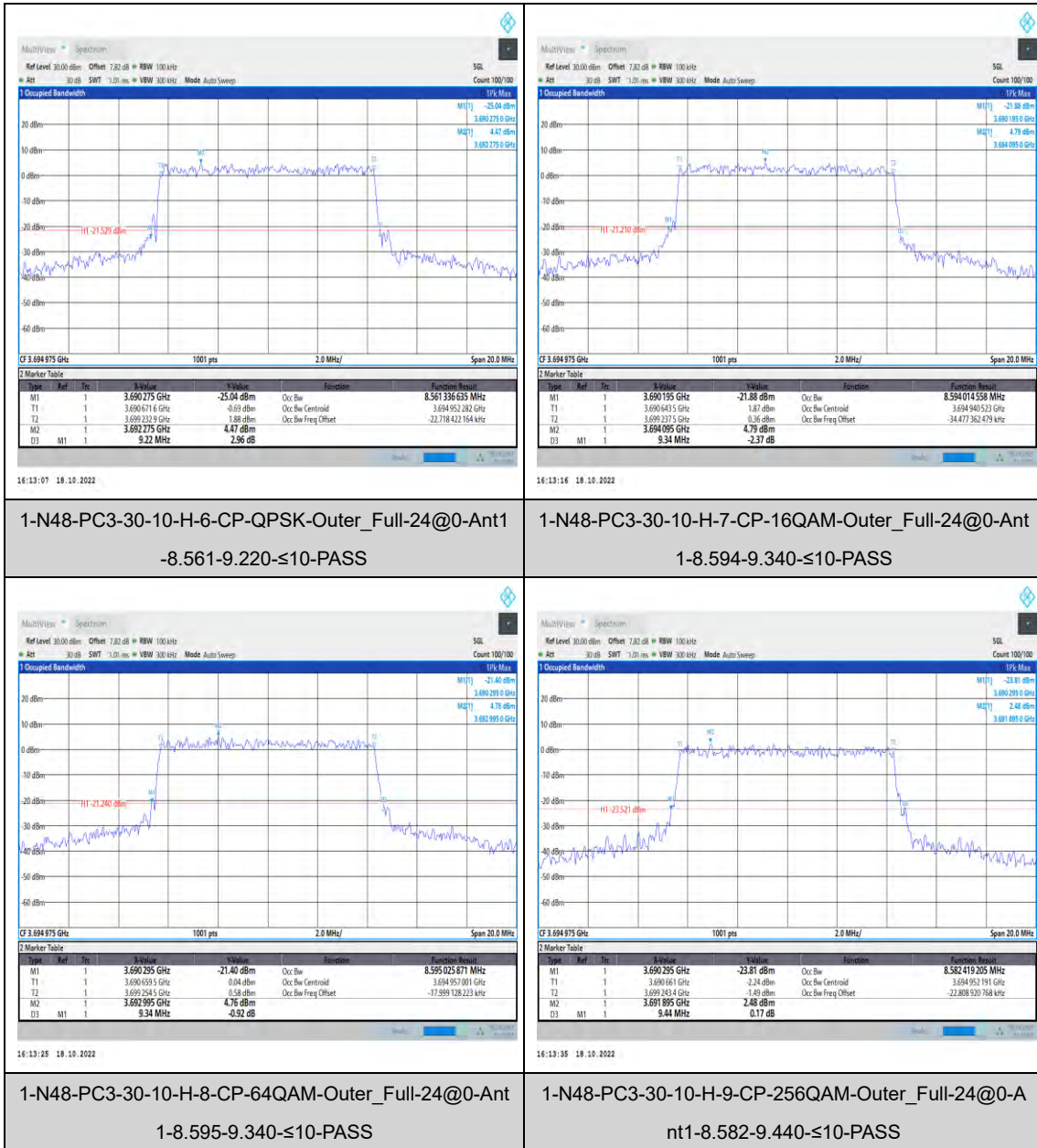
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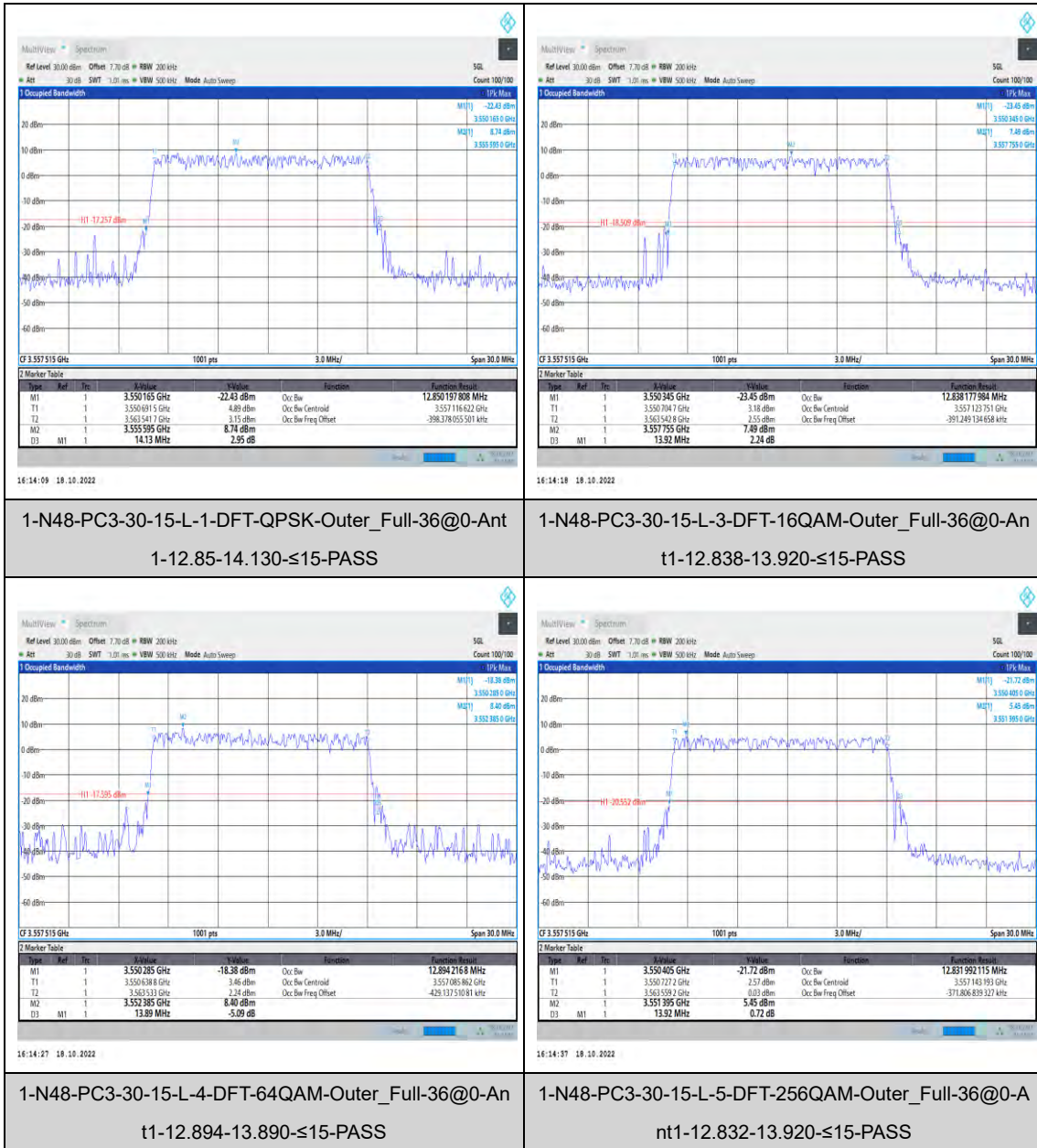




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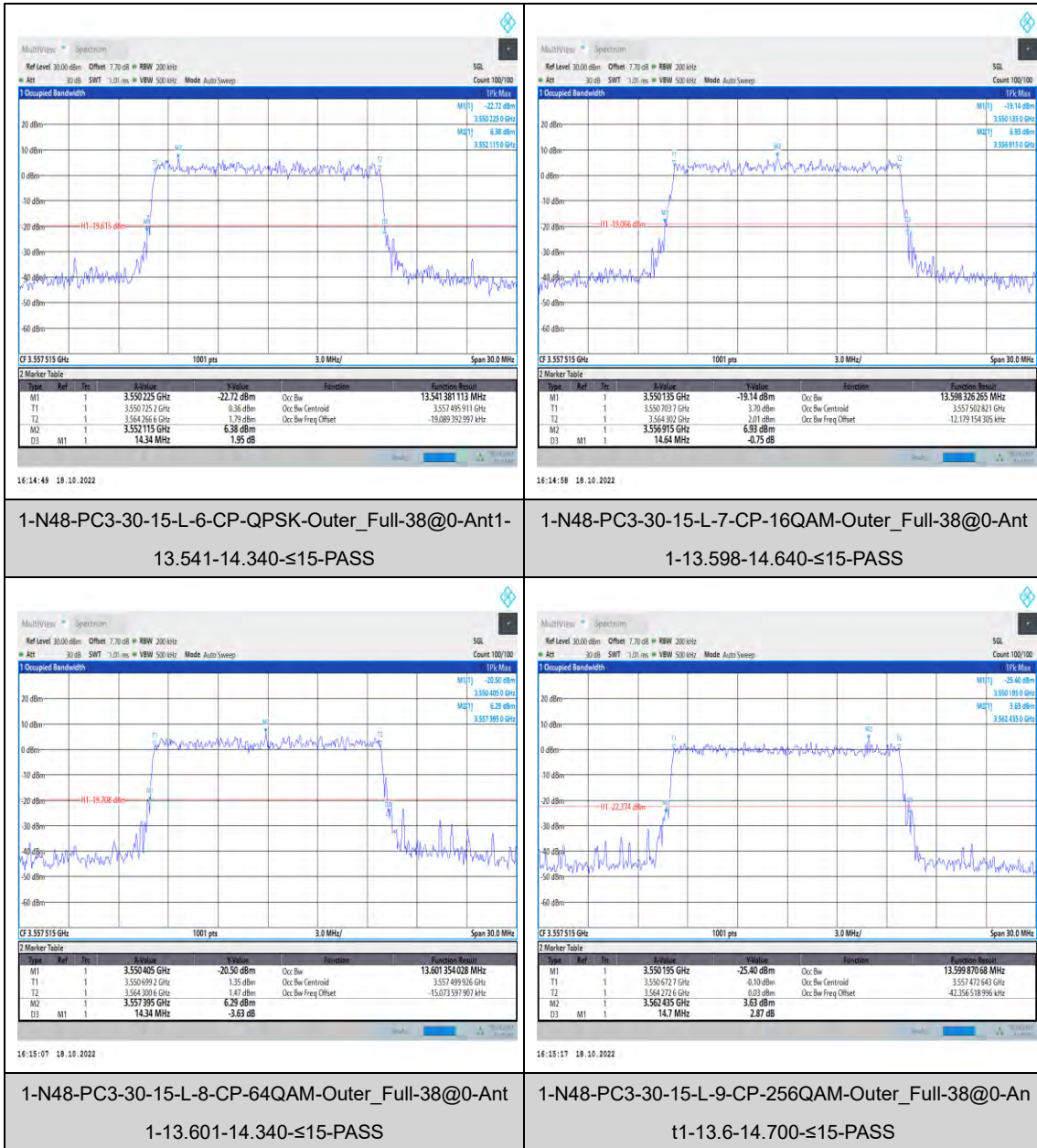


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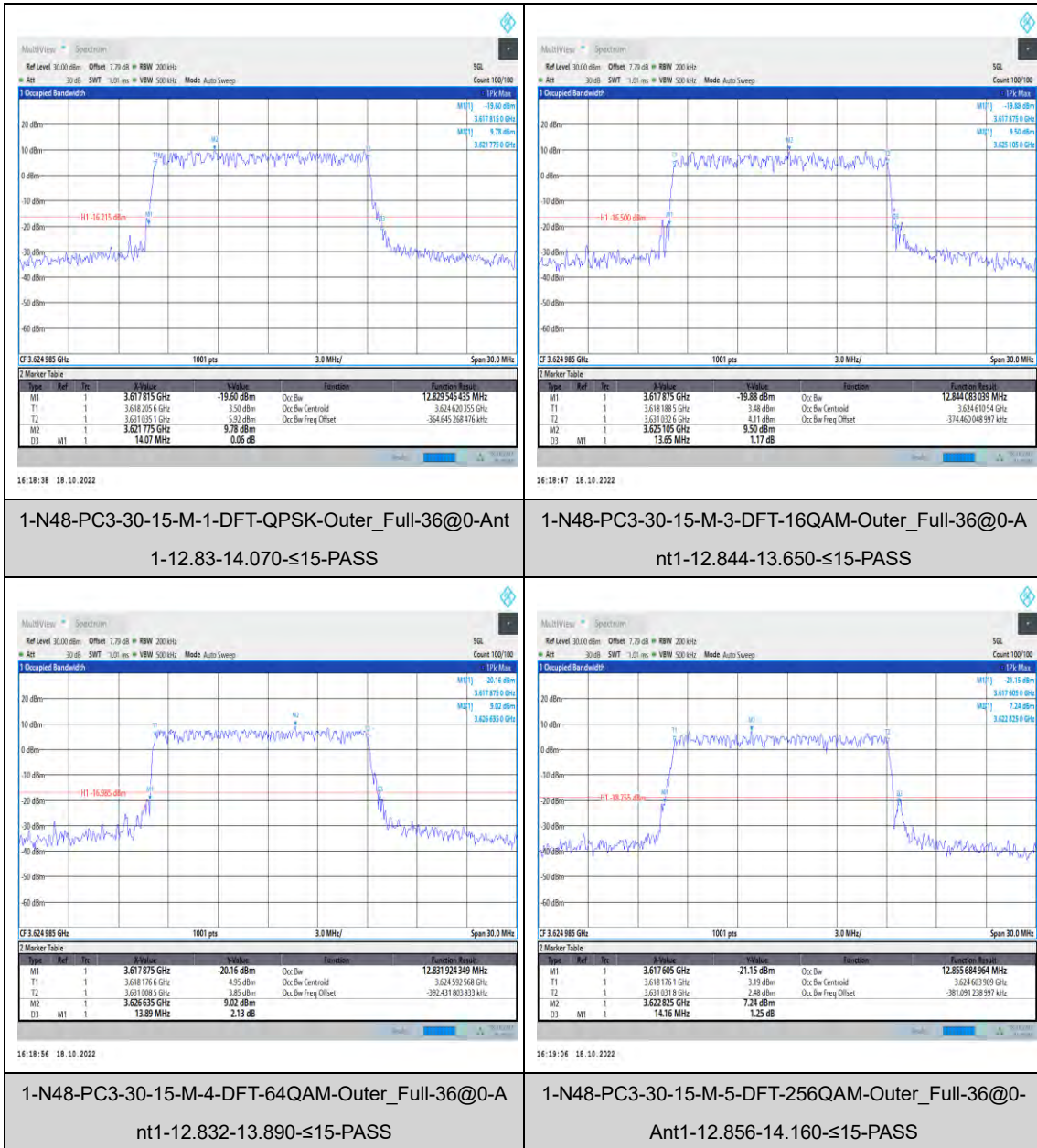




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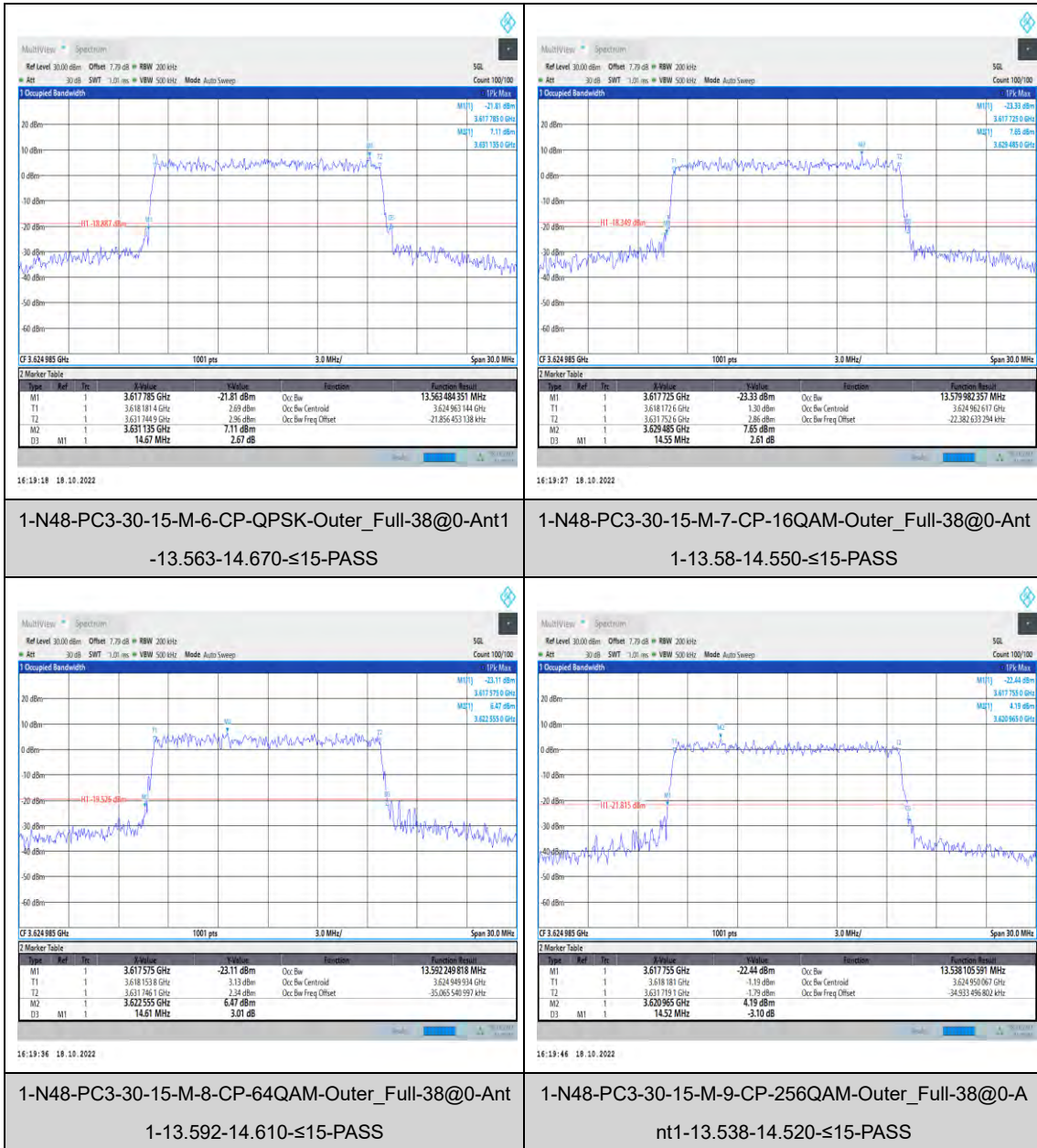
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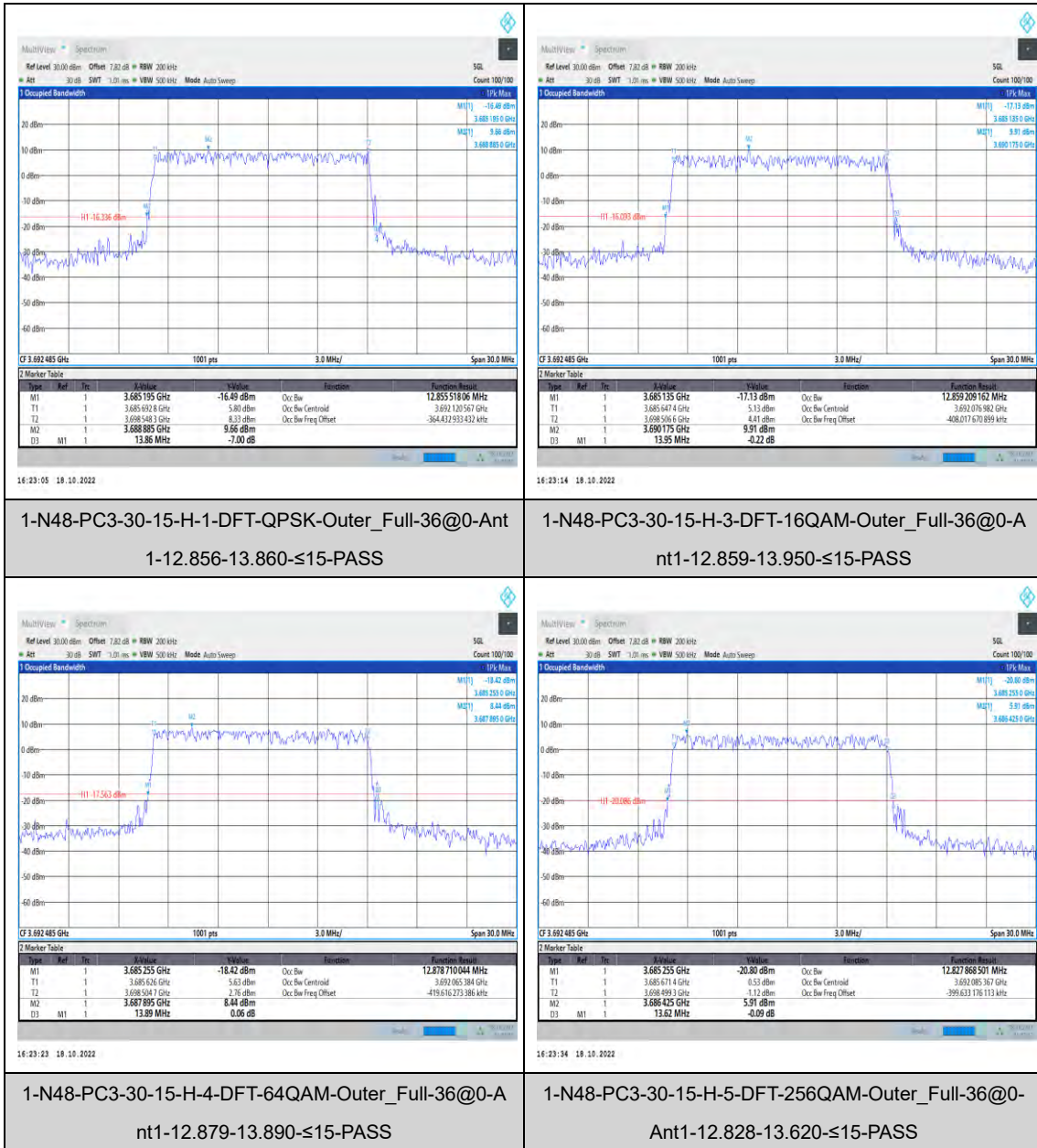




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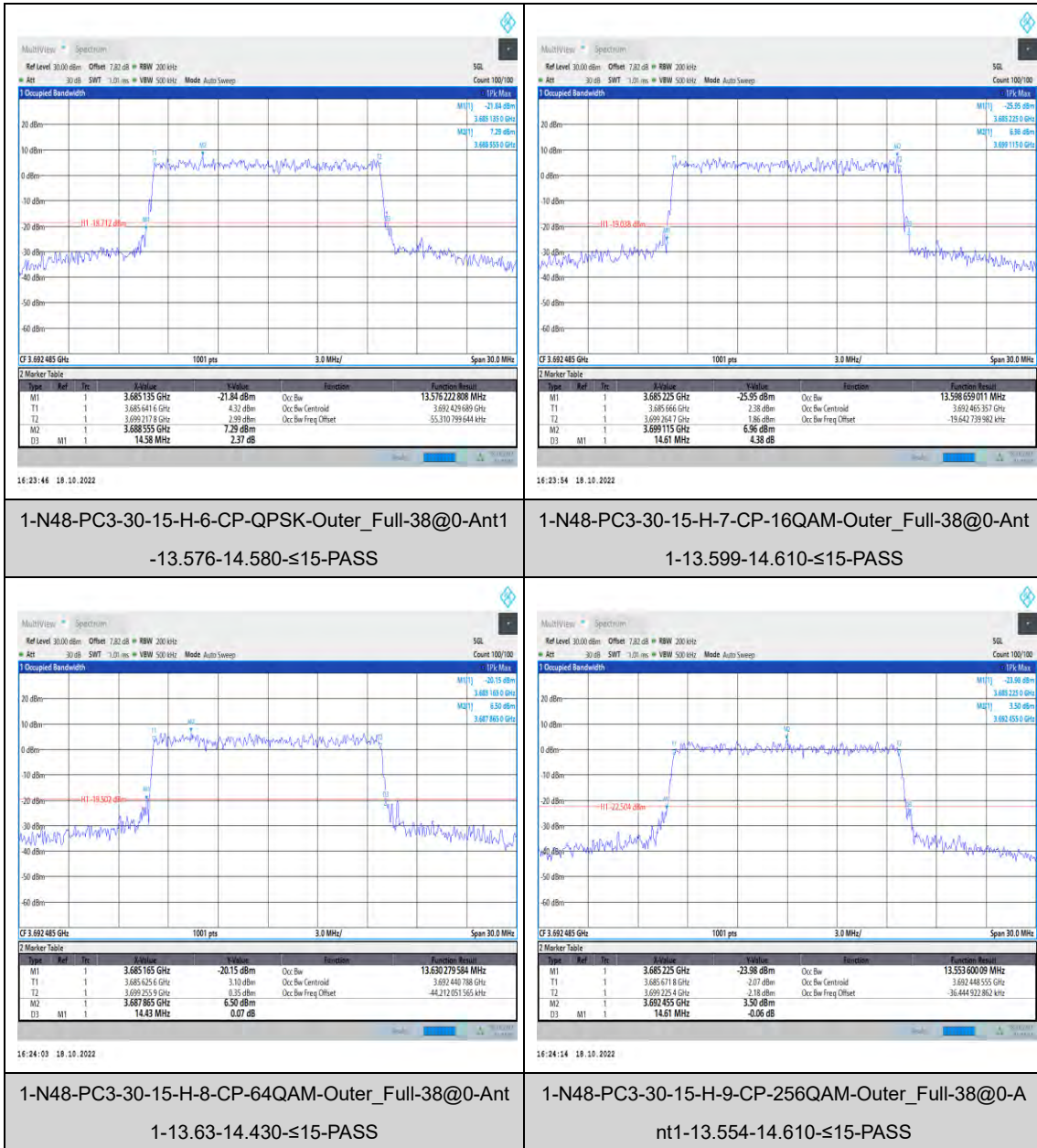


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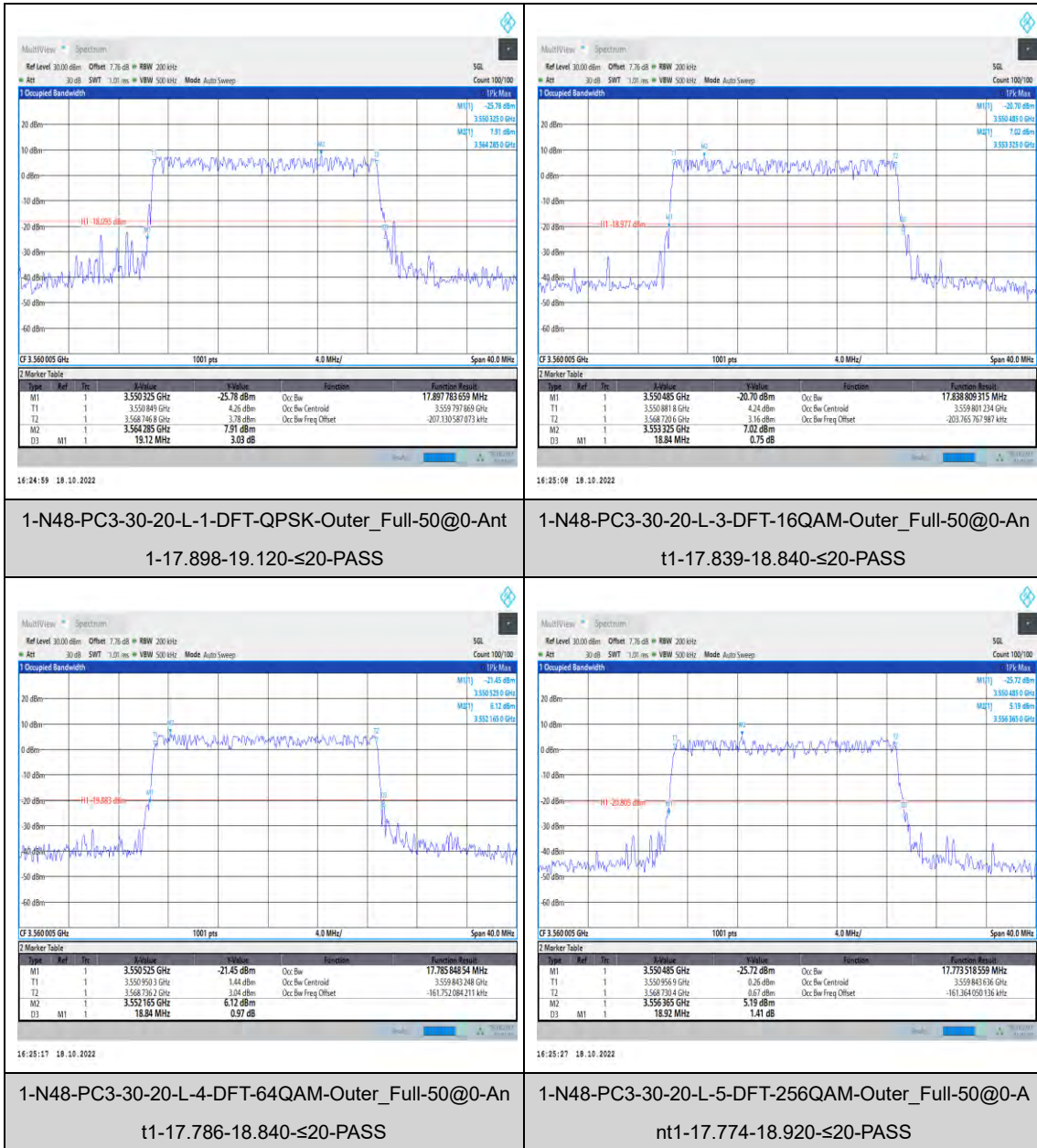
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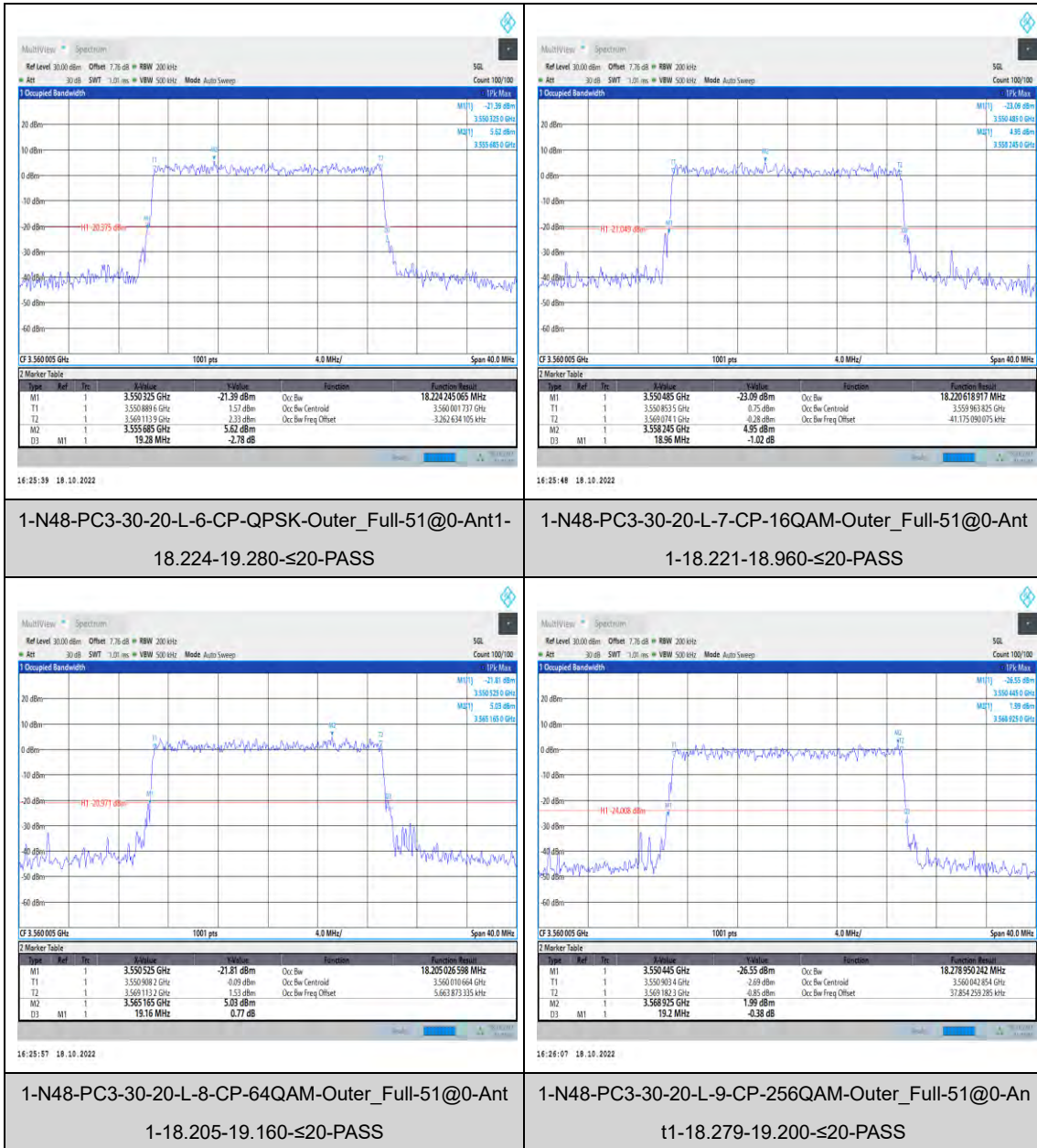
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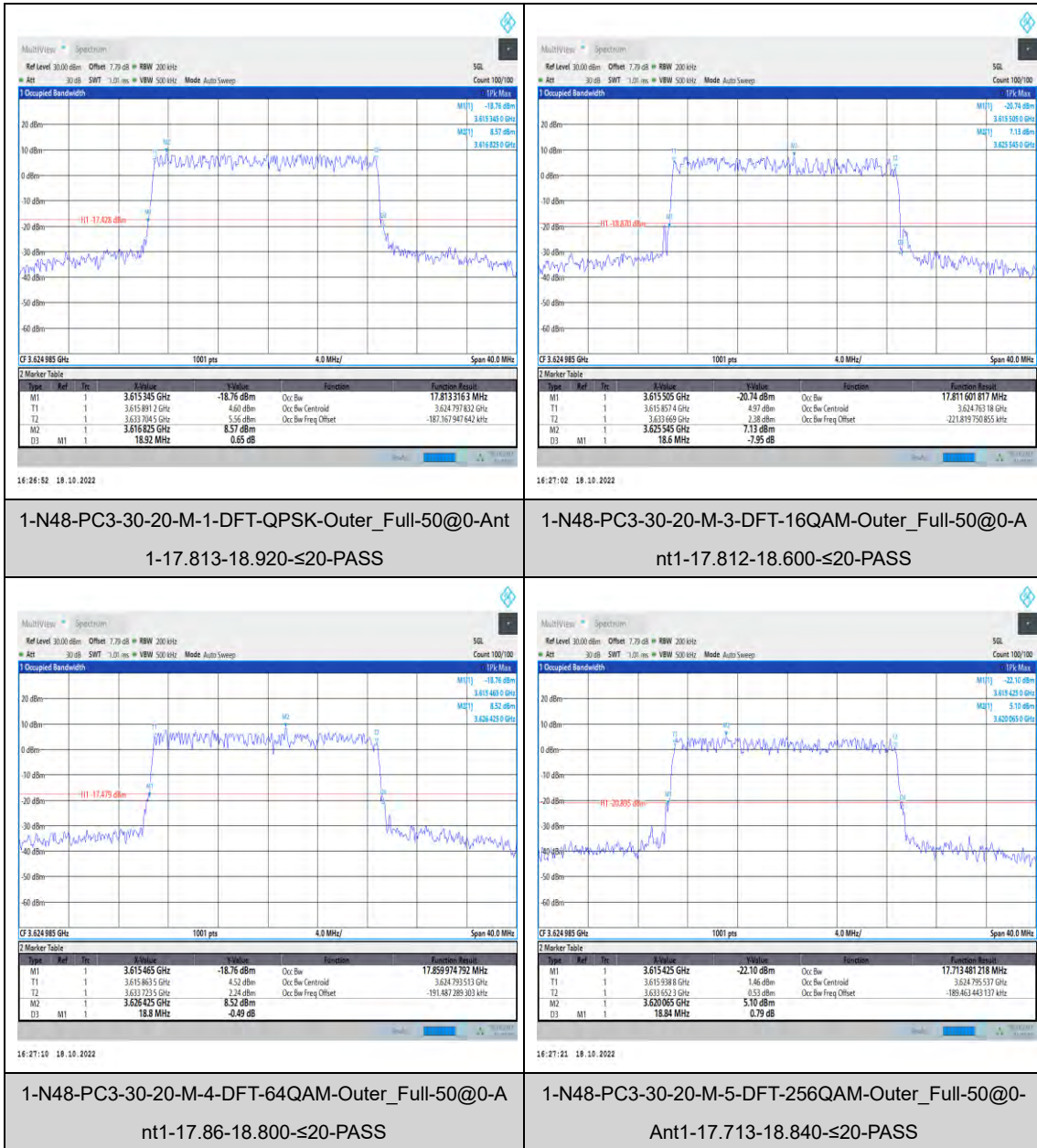
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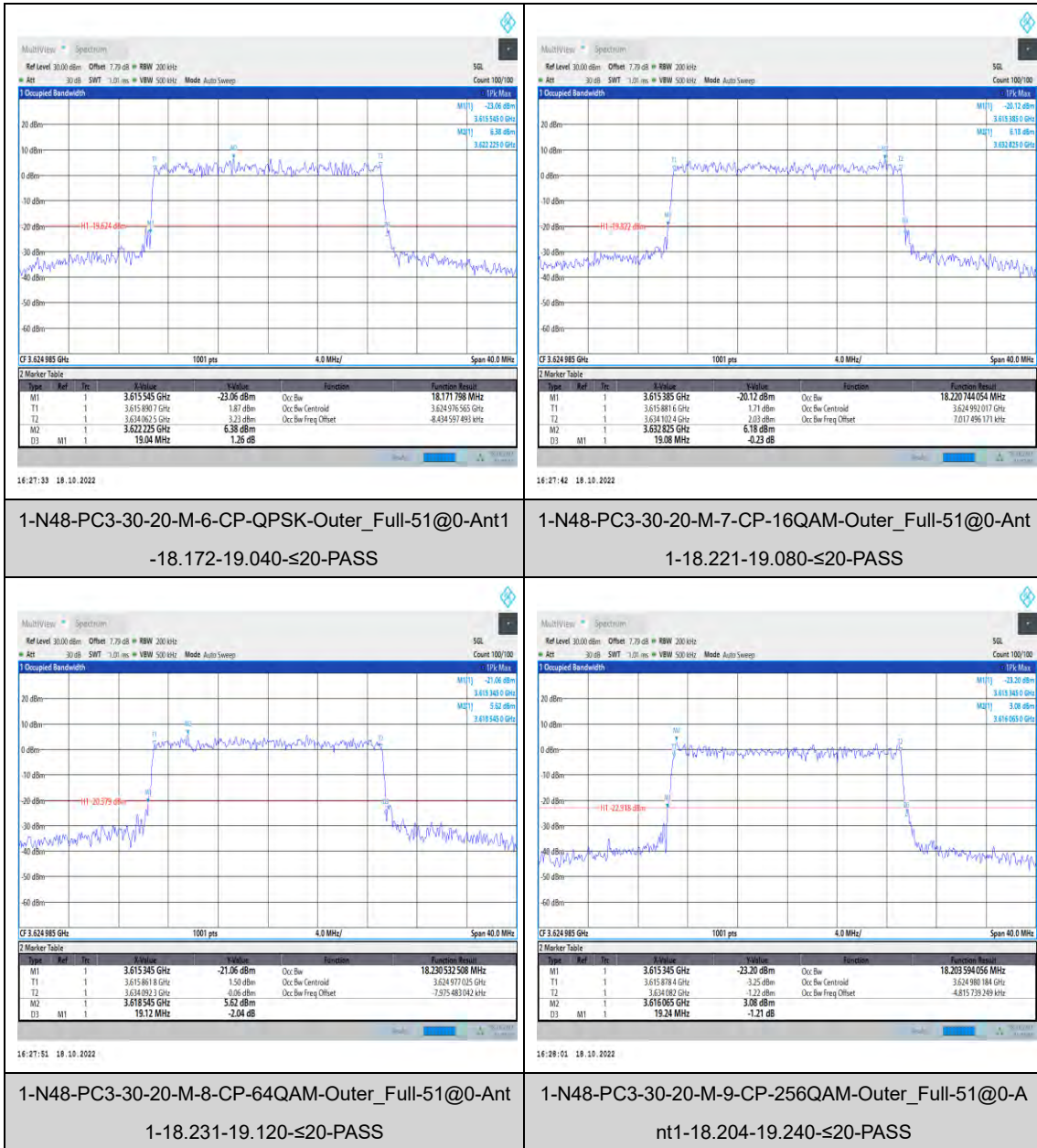
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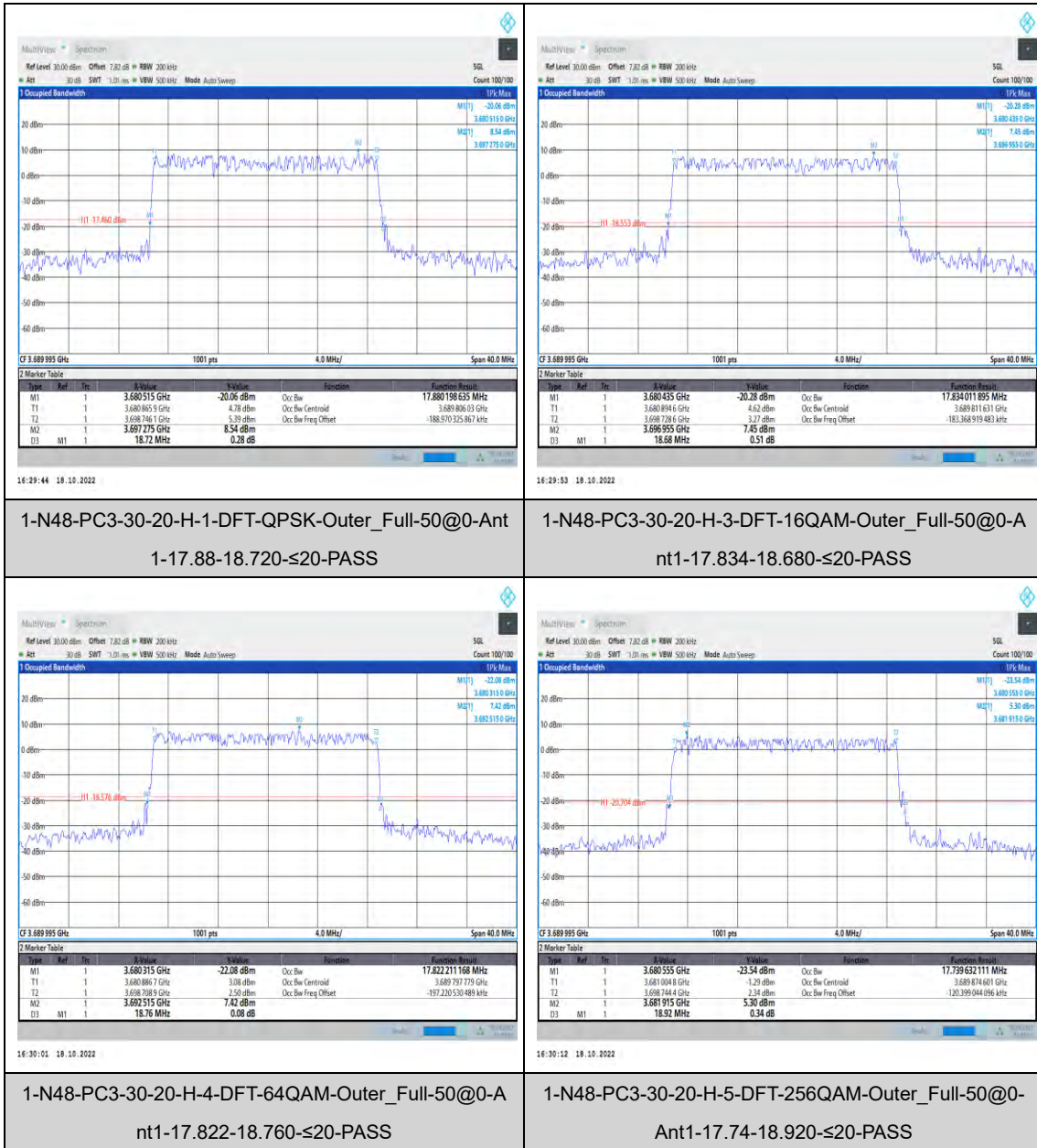


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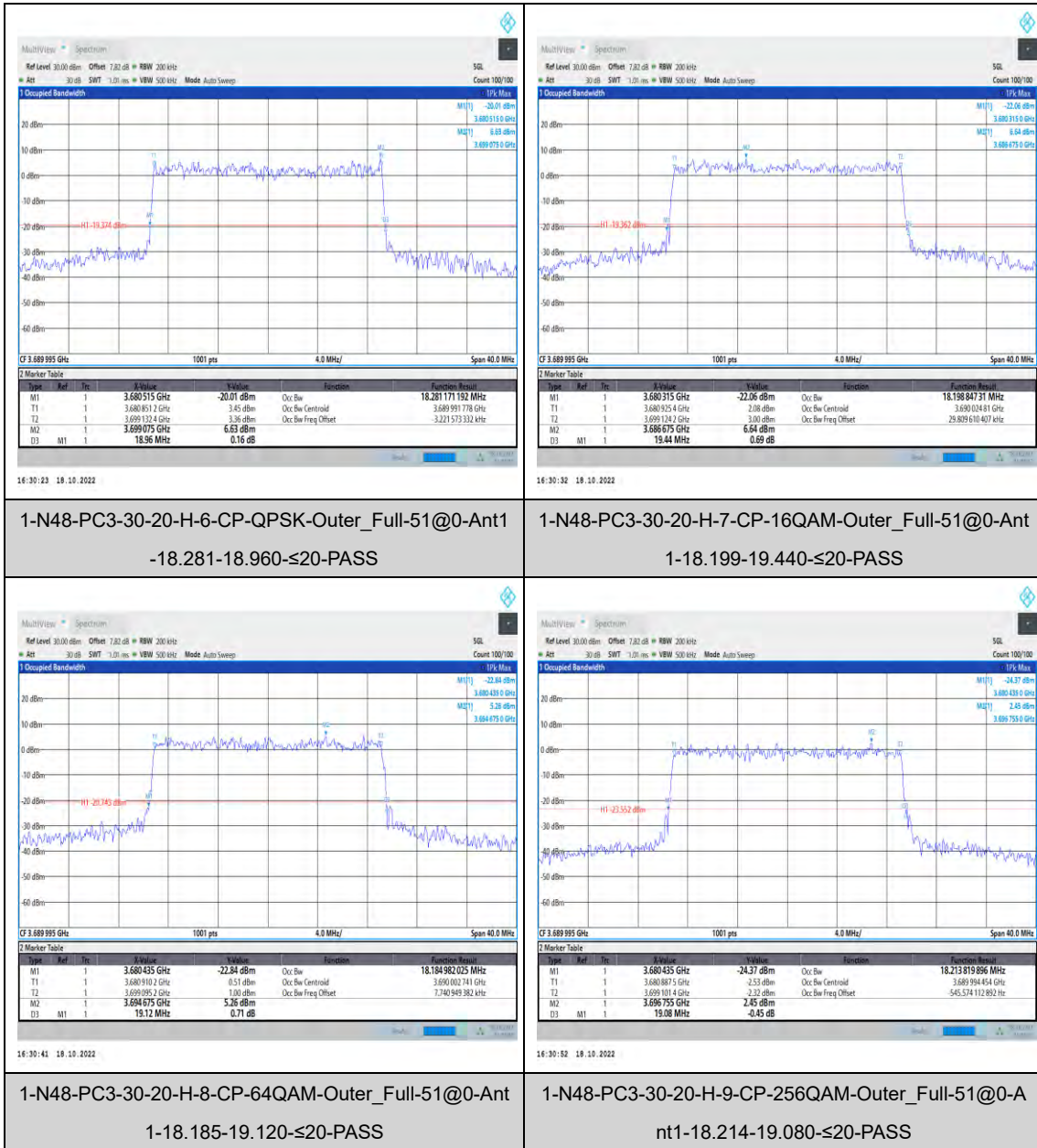


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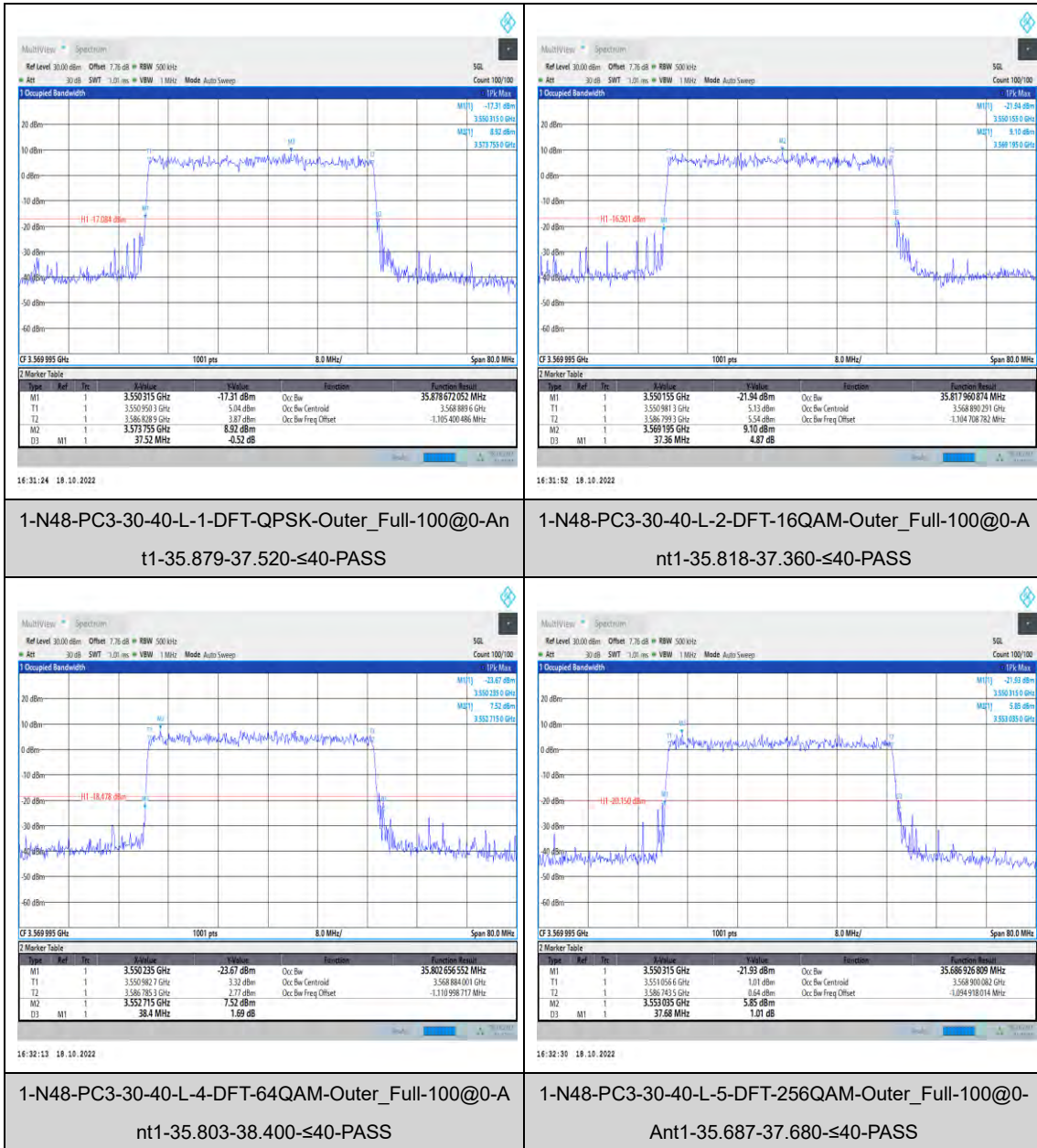




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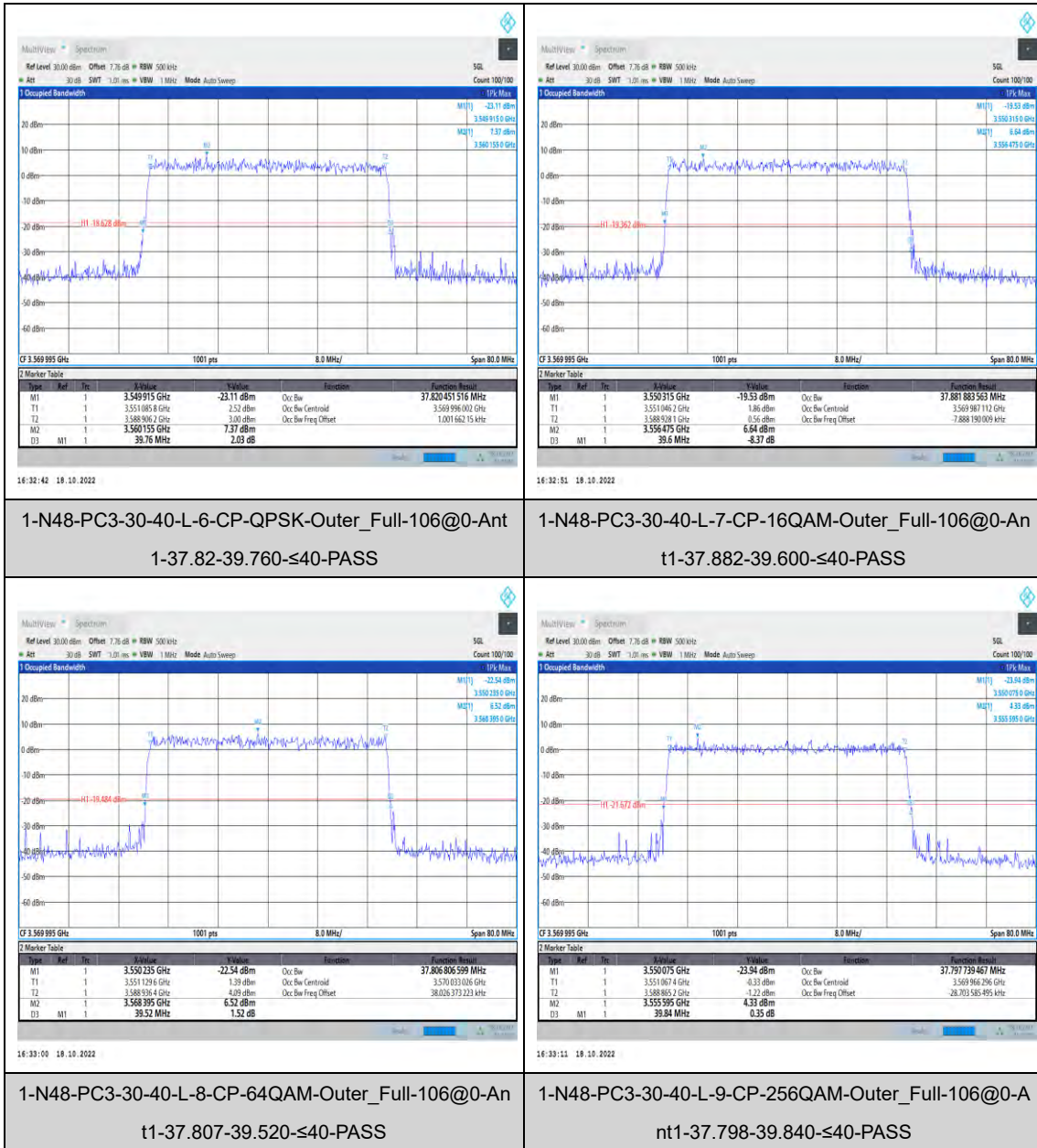
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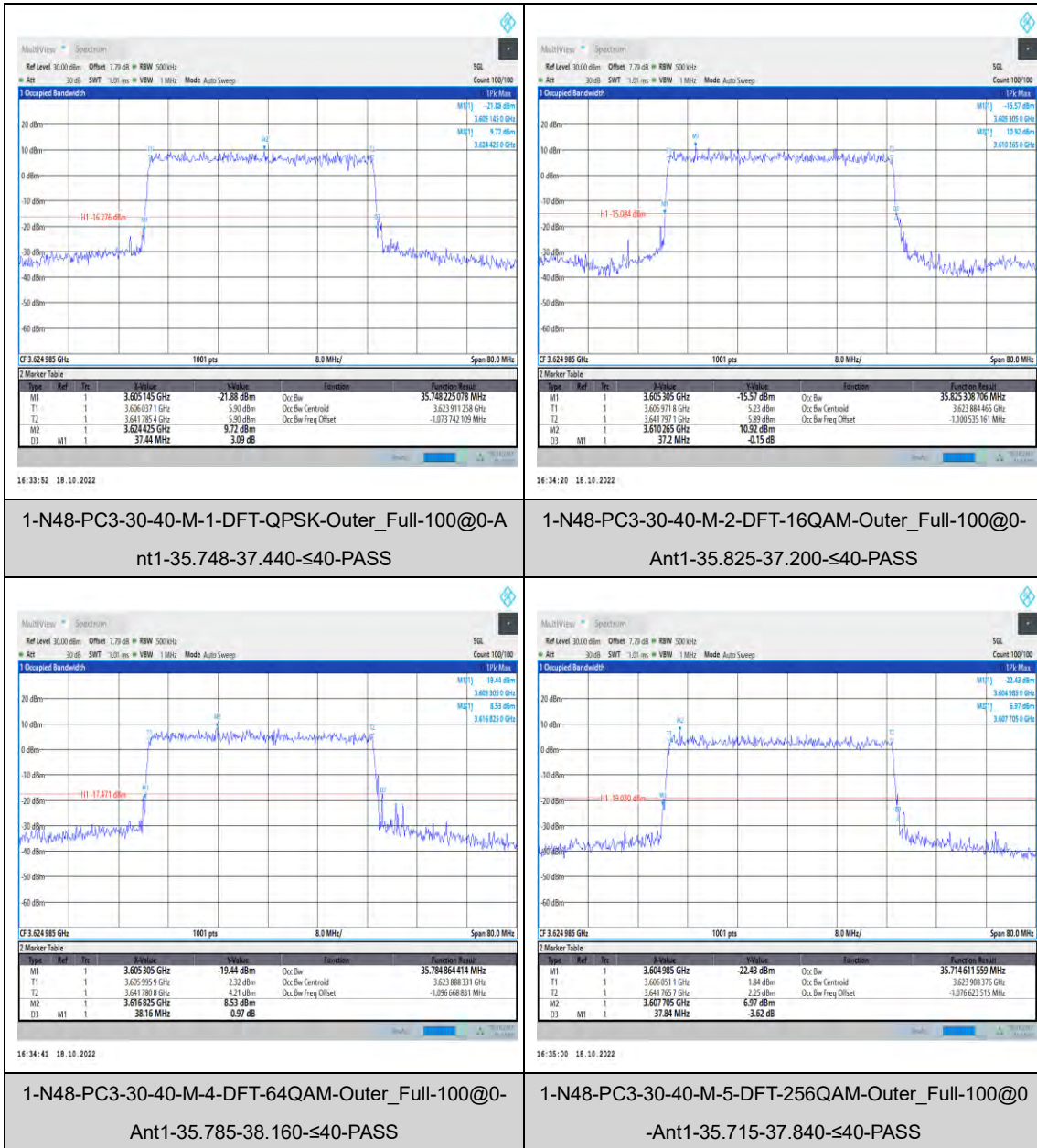
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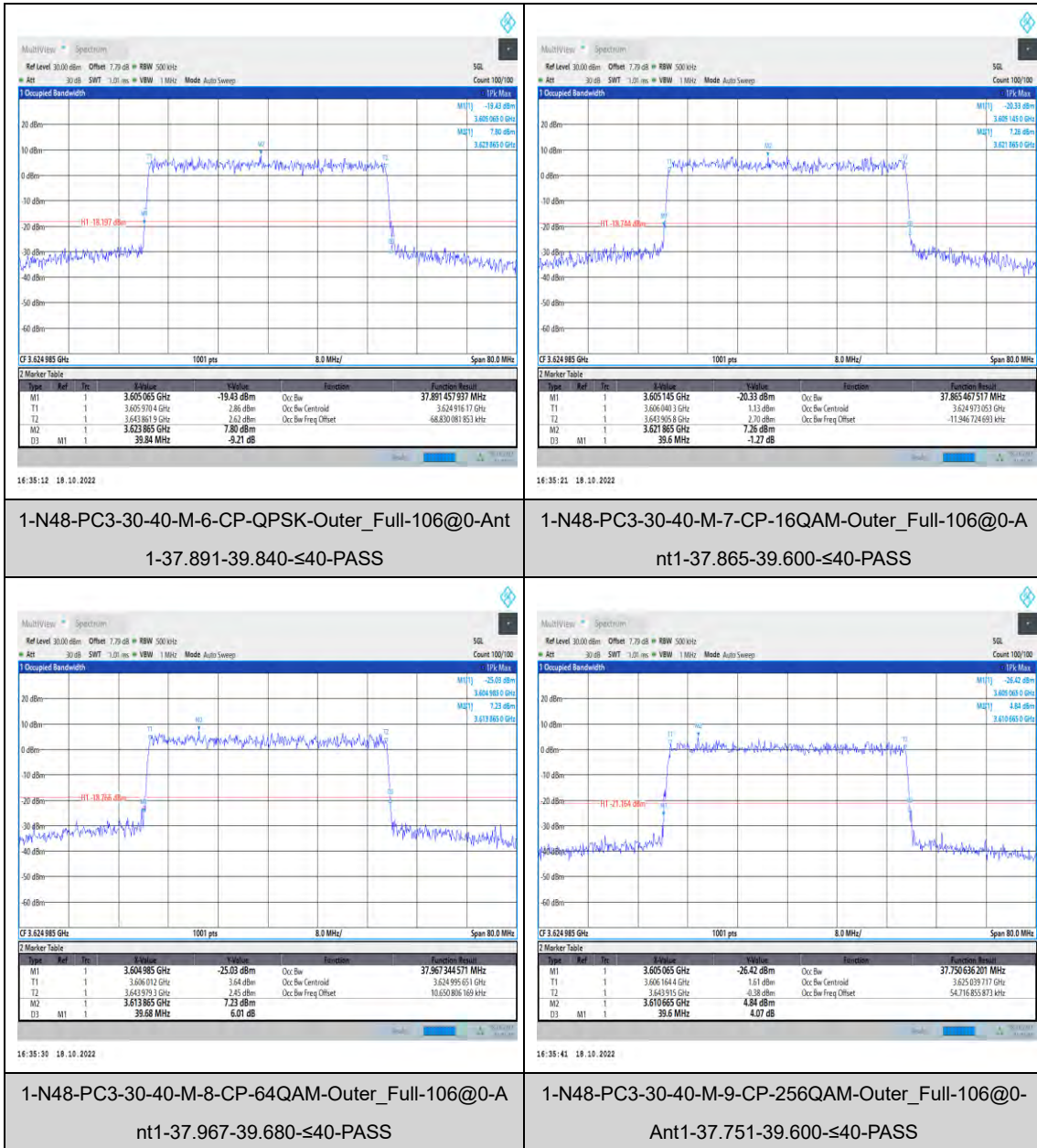




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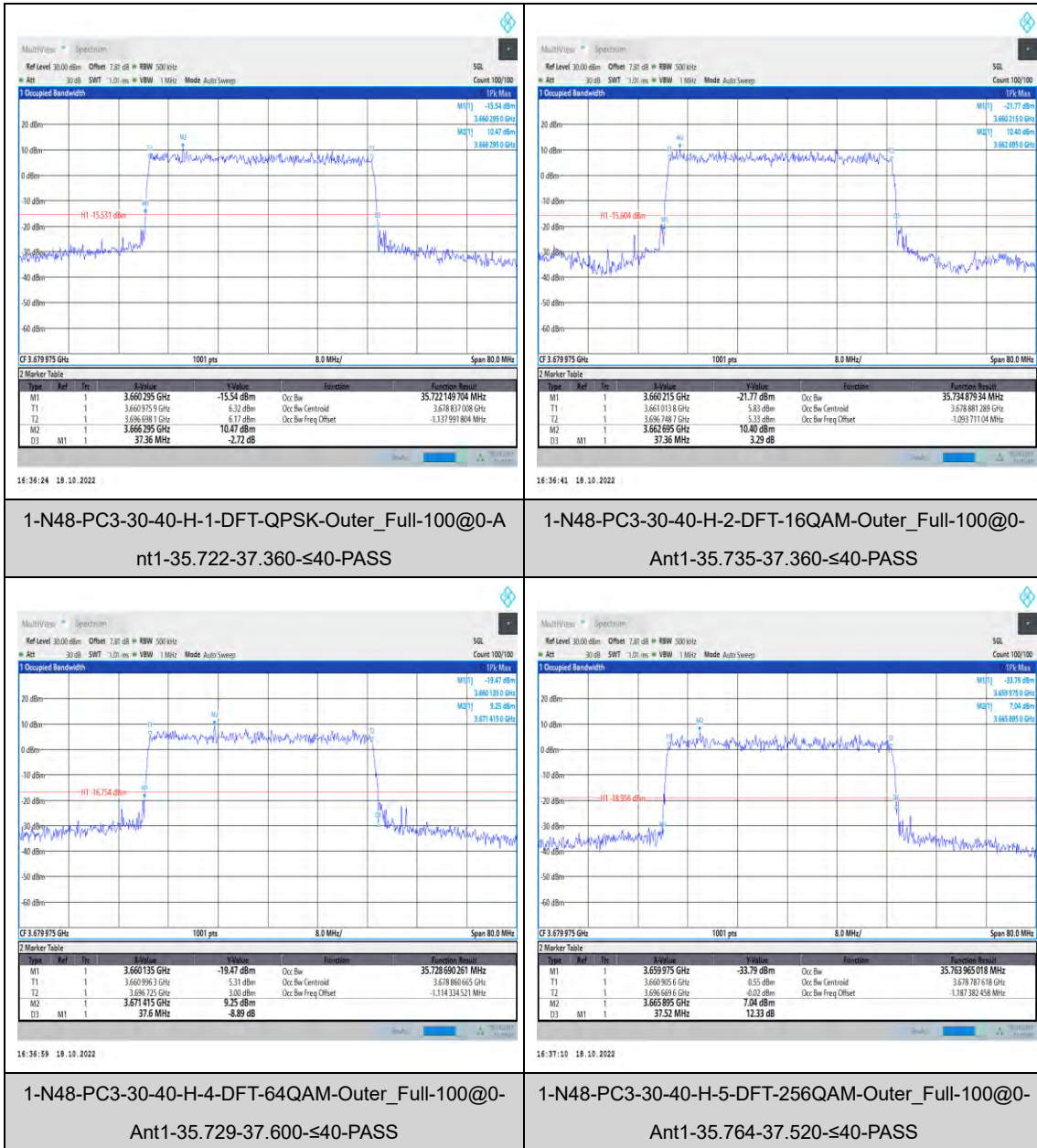




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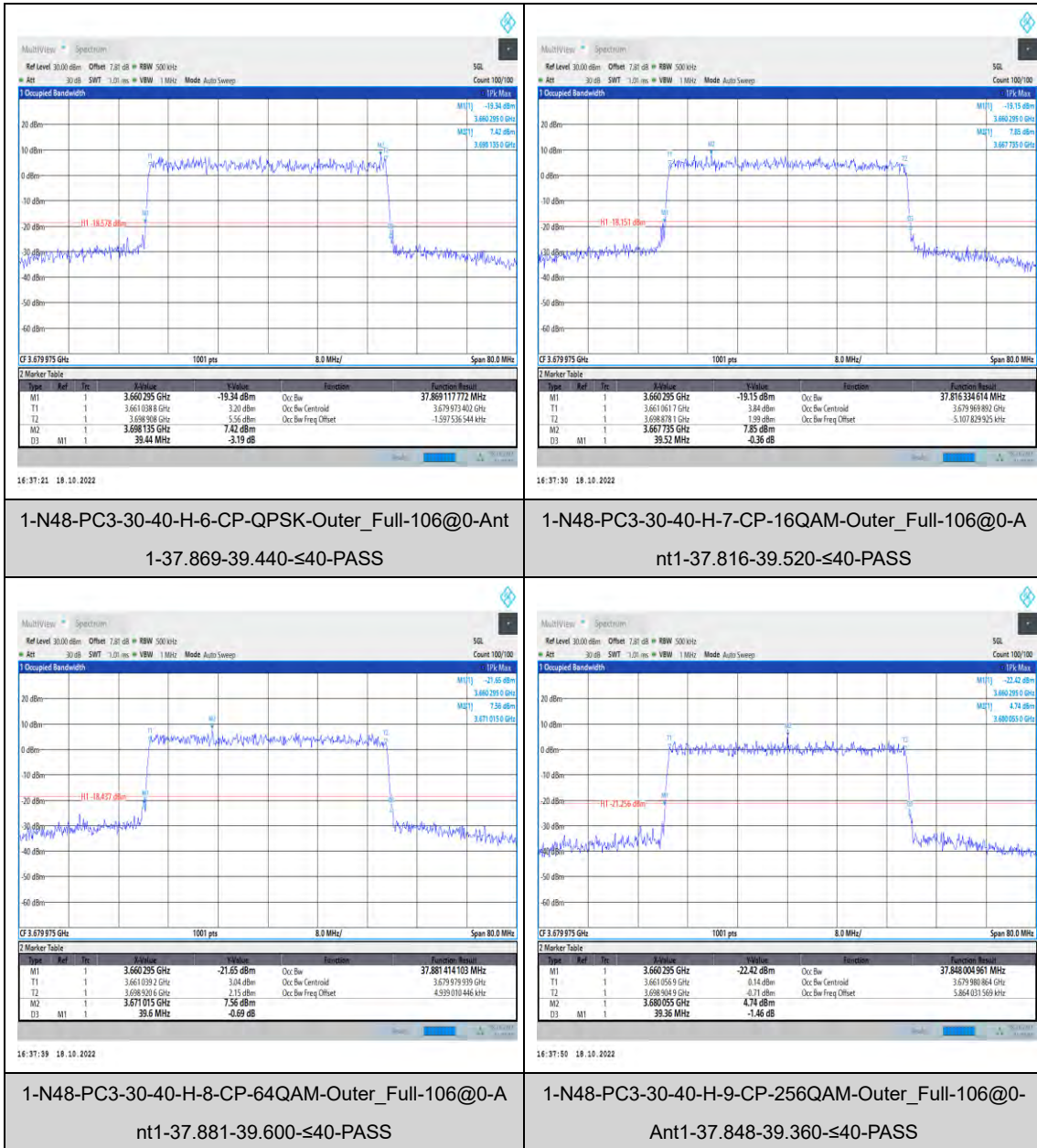
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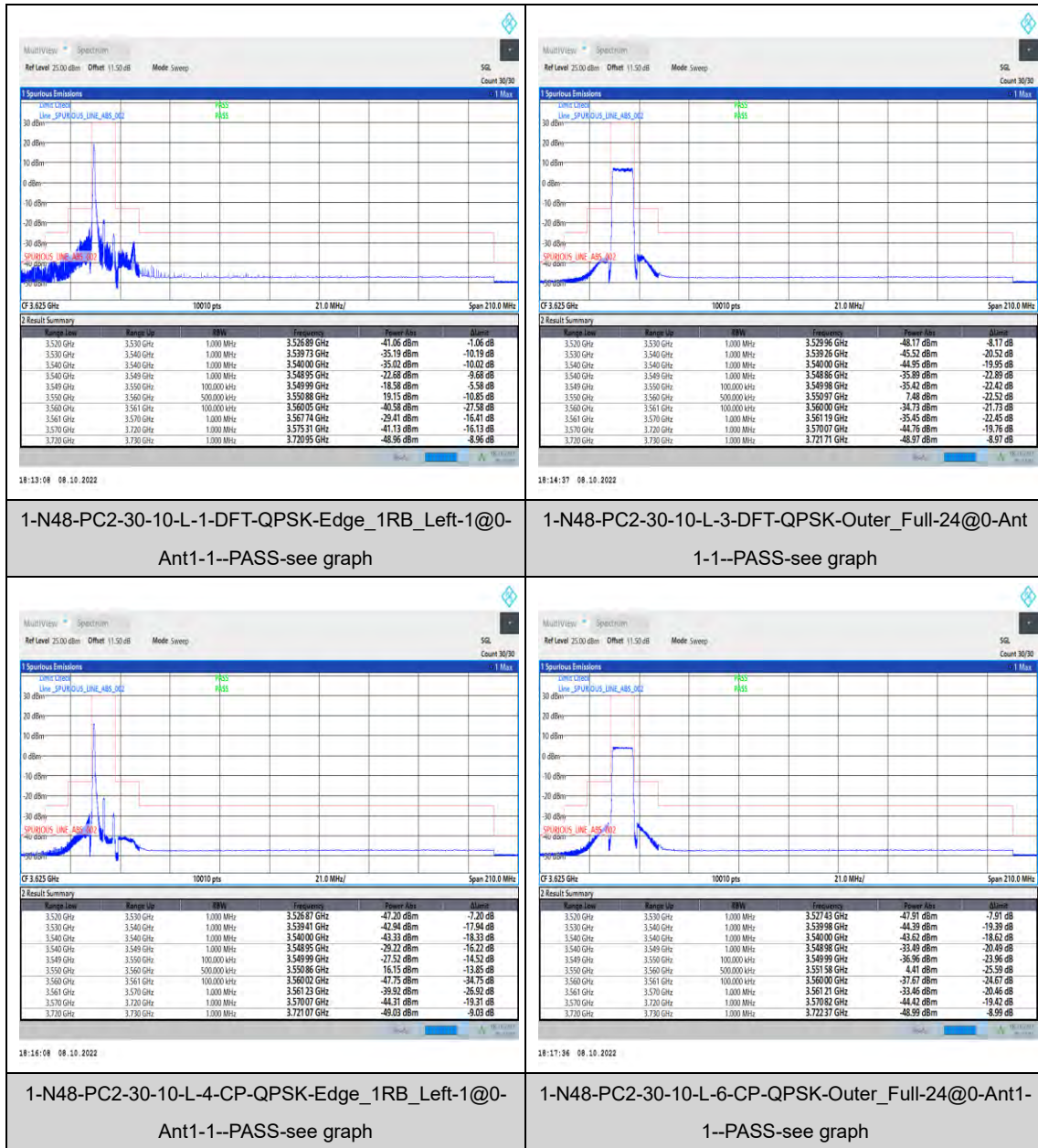
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Test Graphs

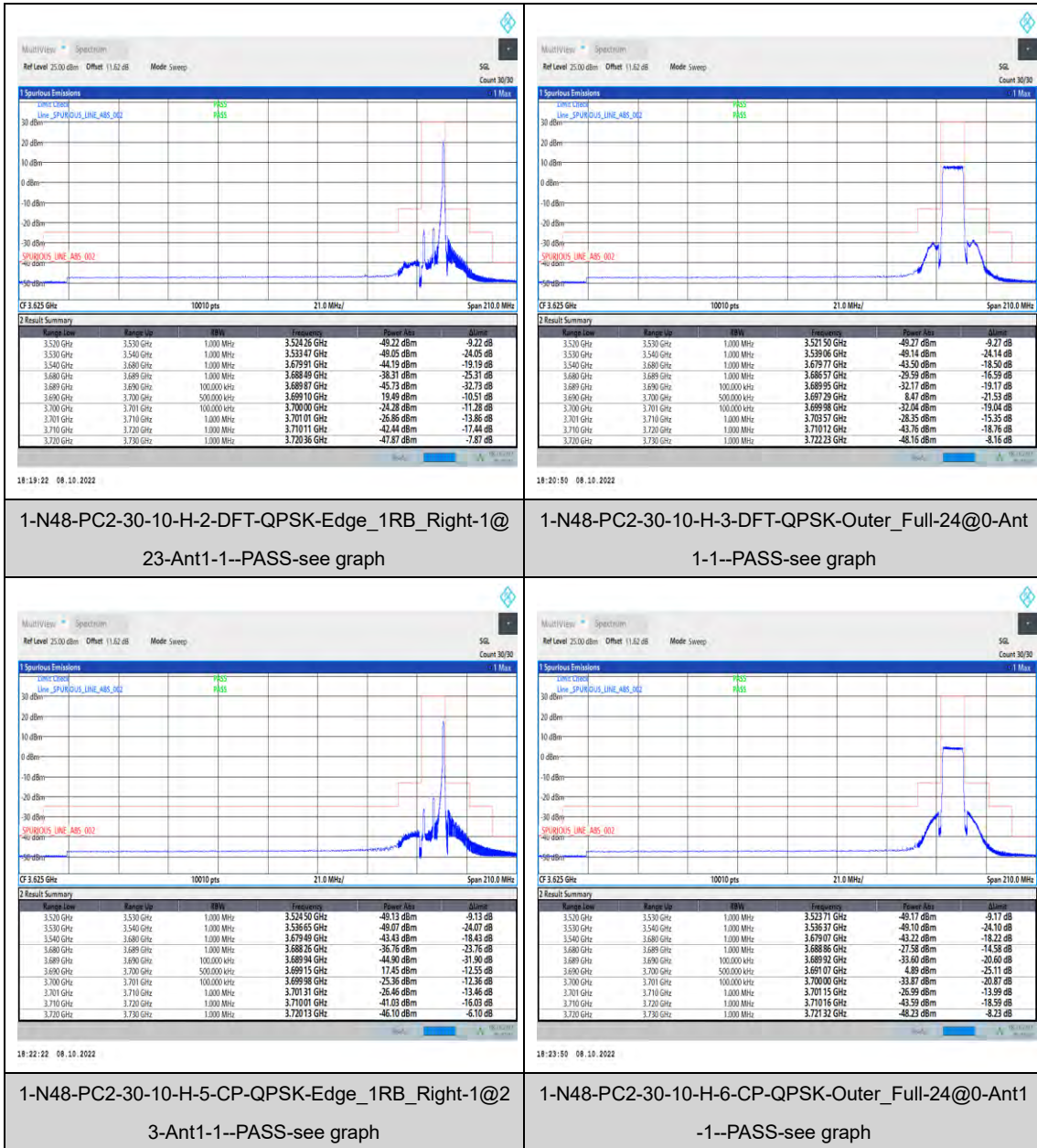


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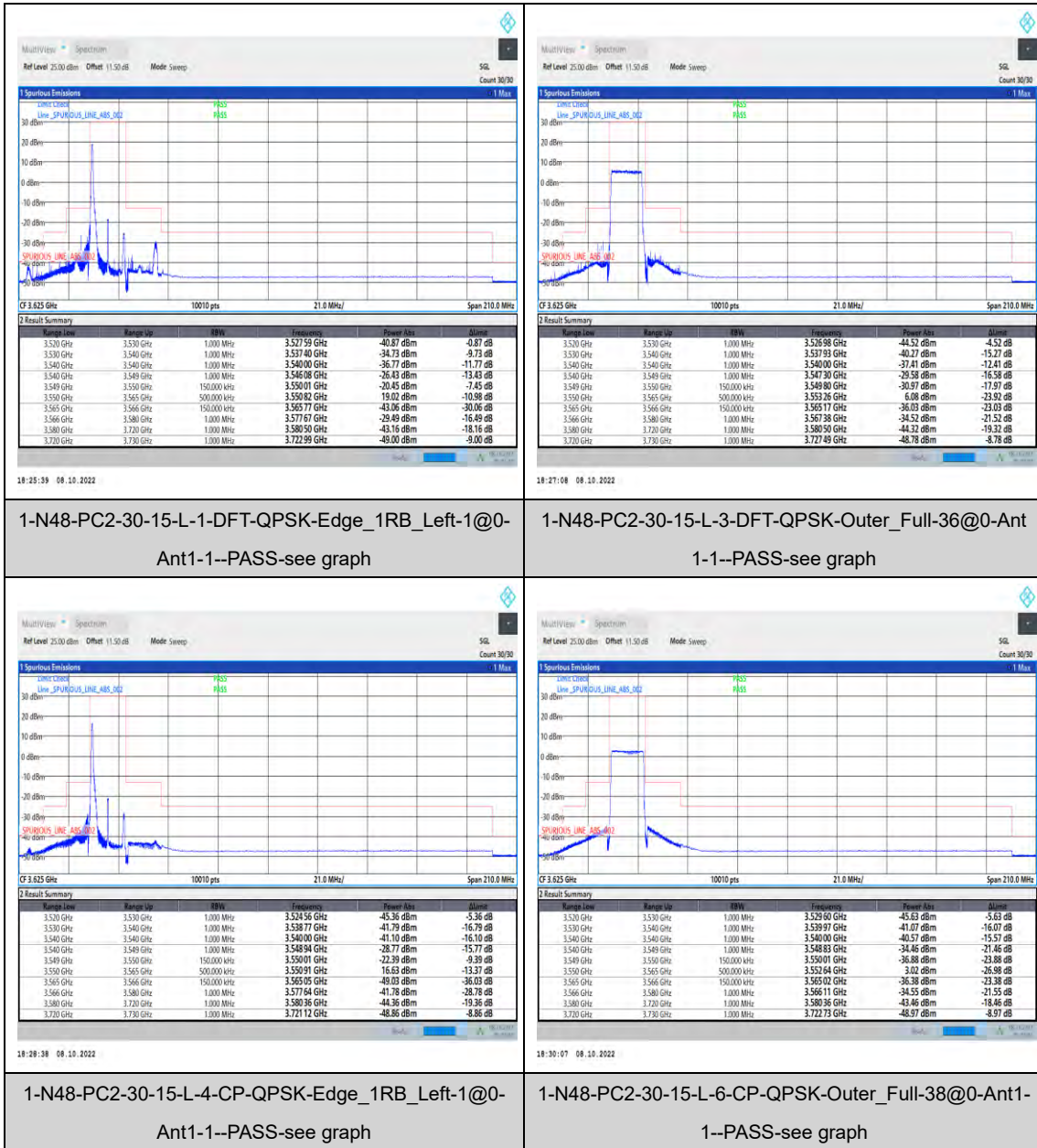
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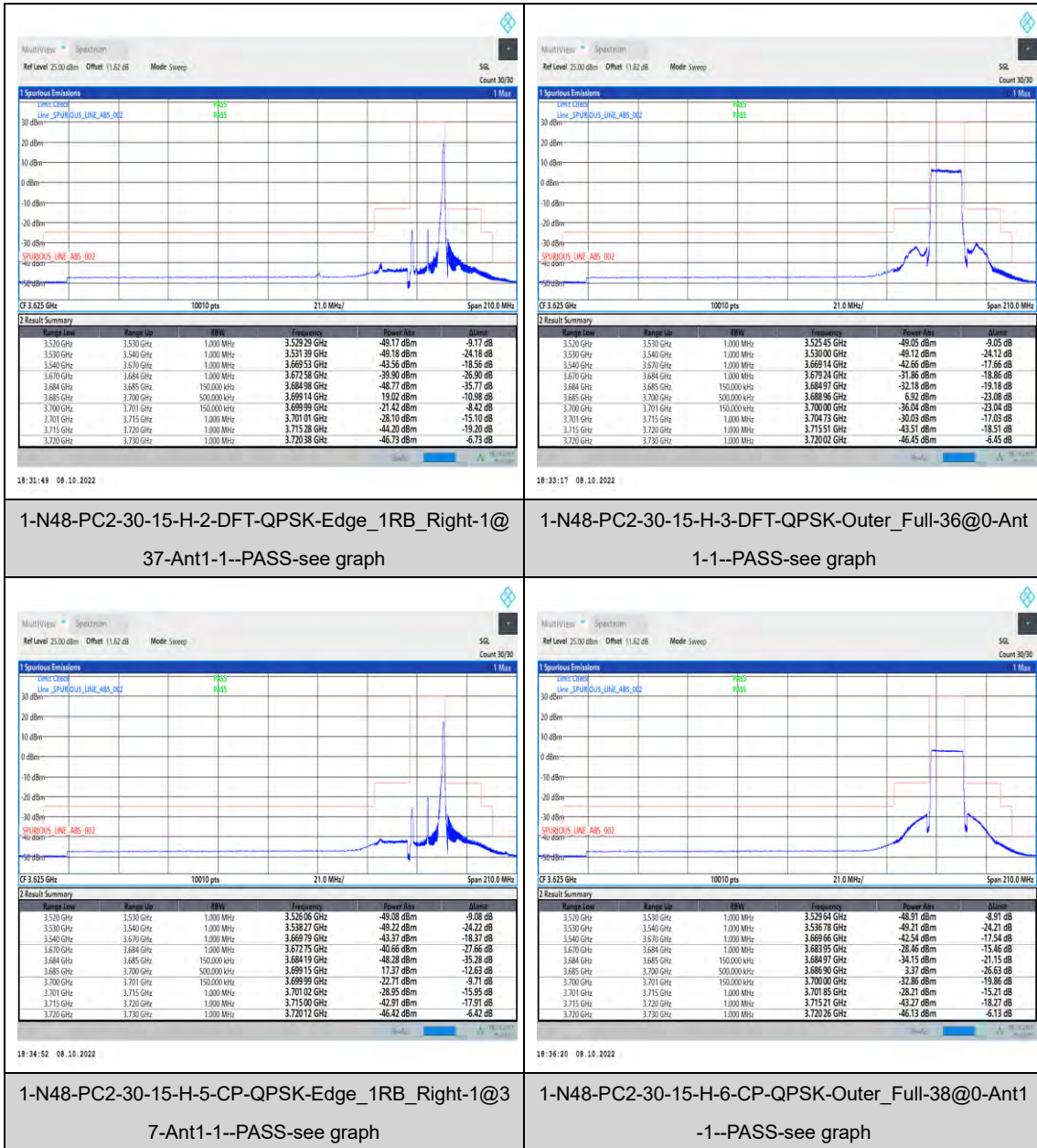
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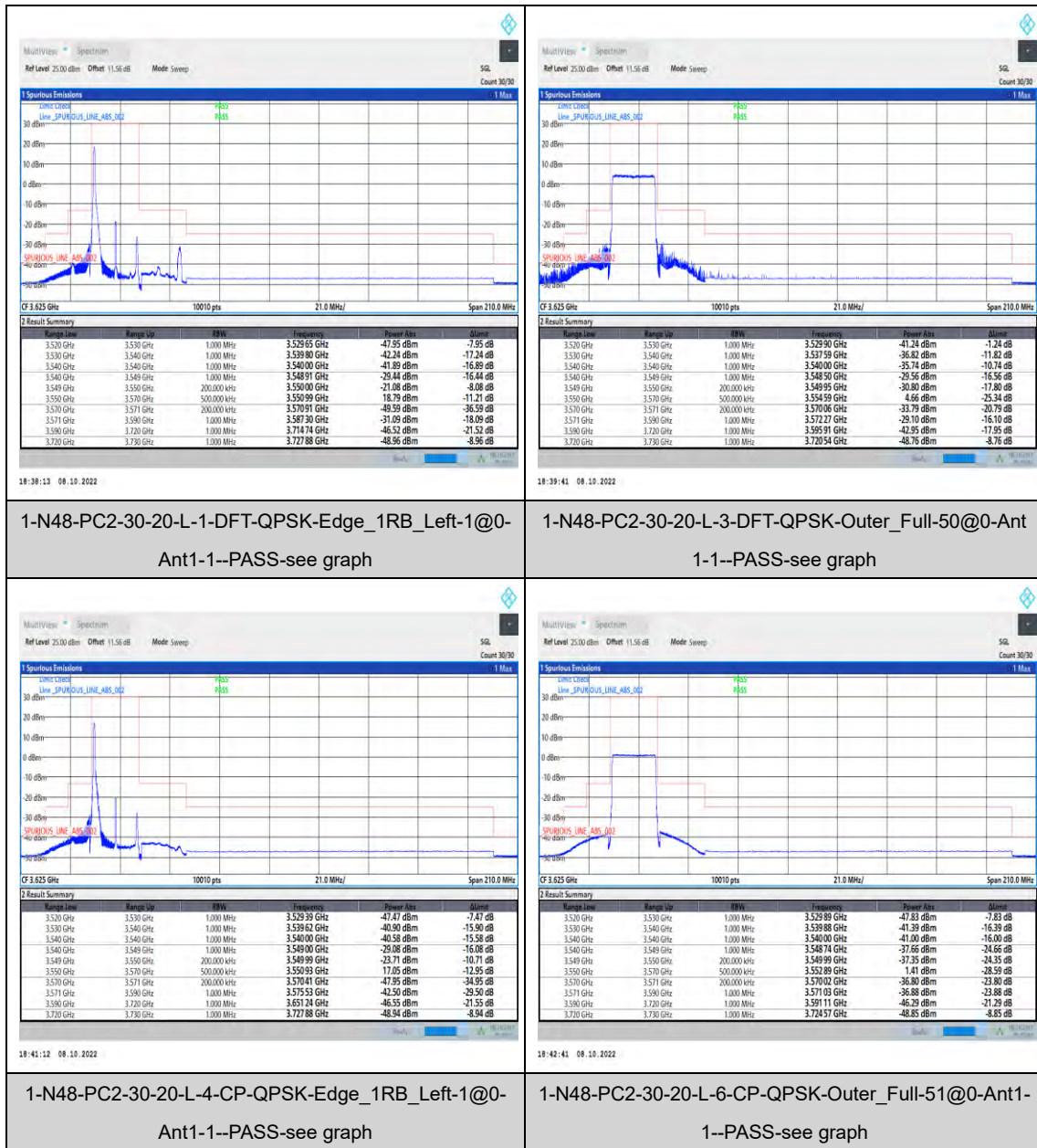


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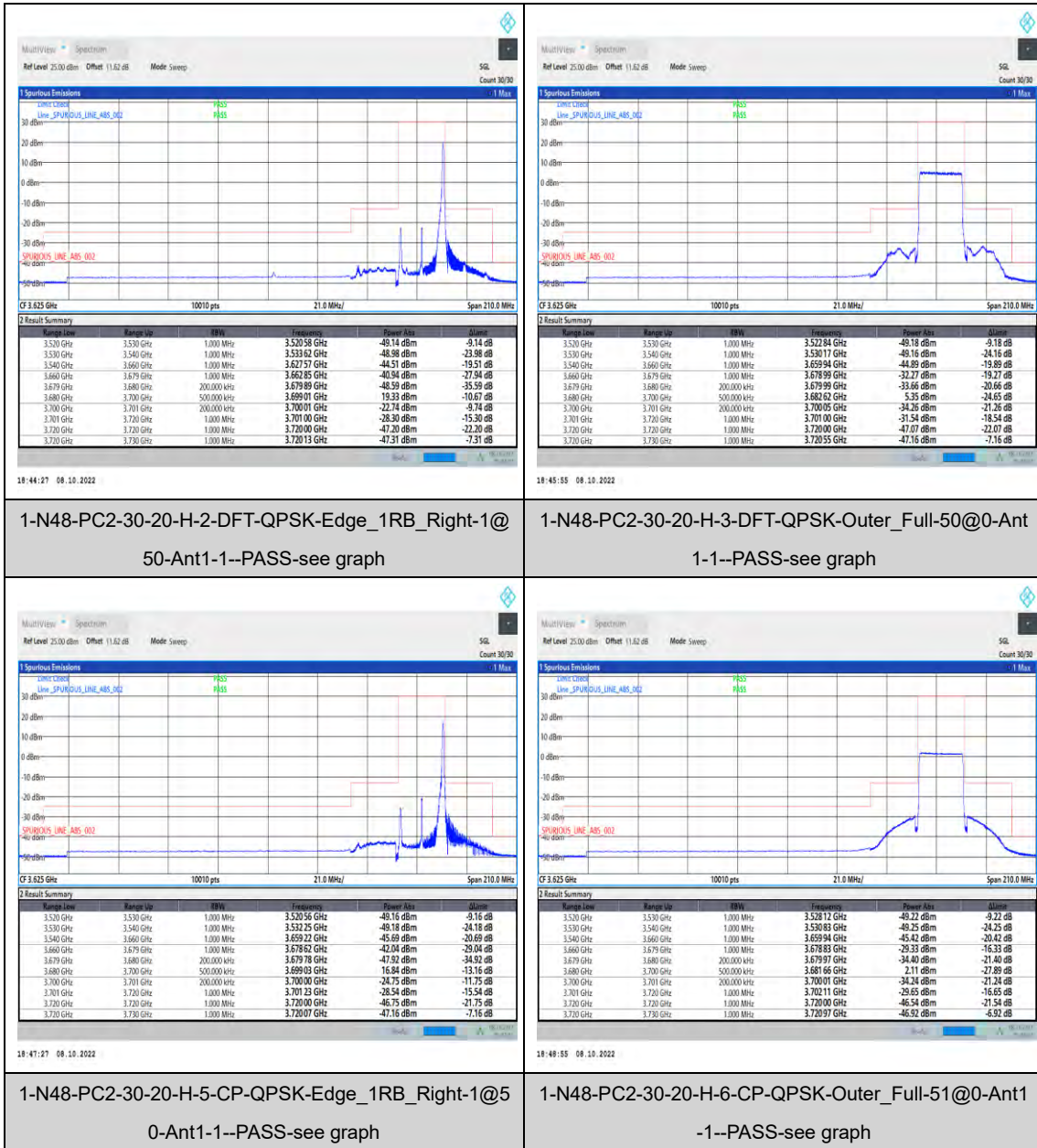
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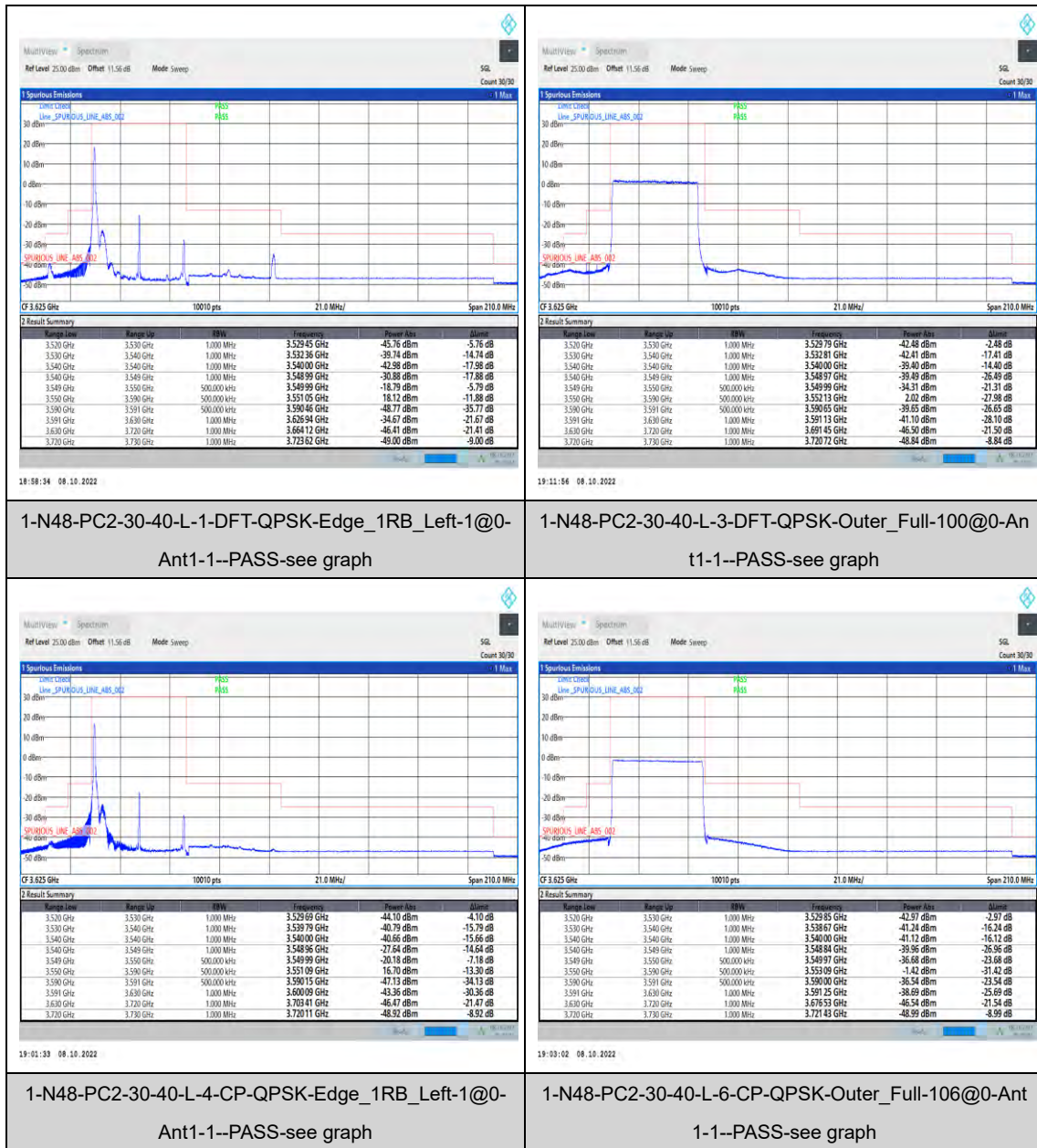




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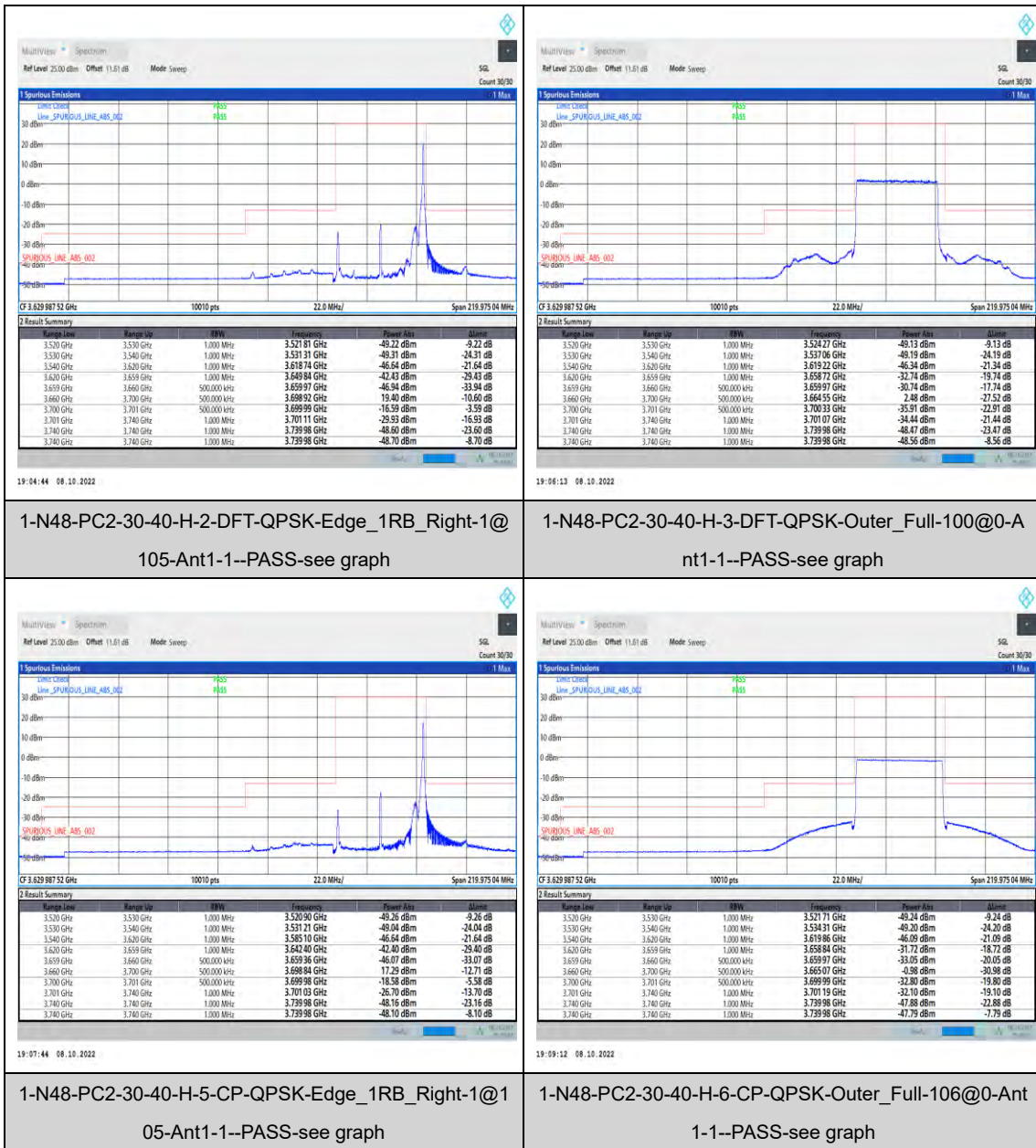
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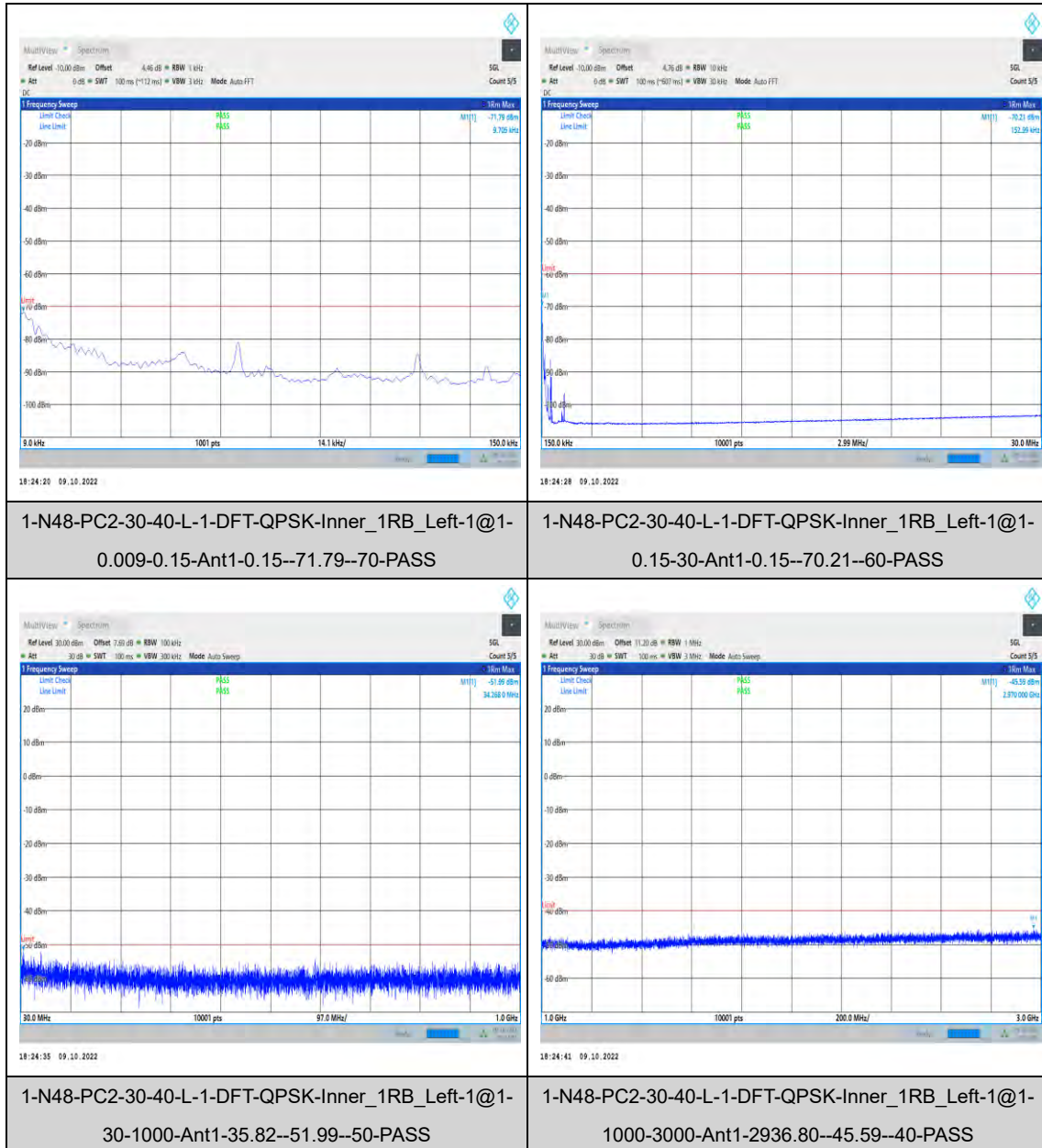
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Conducted Spurious Emission for SA

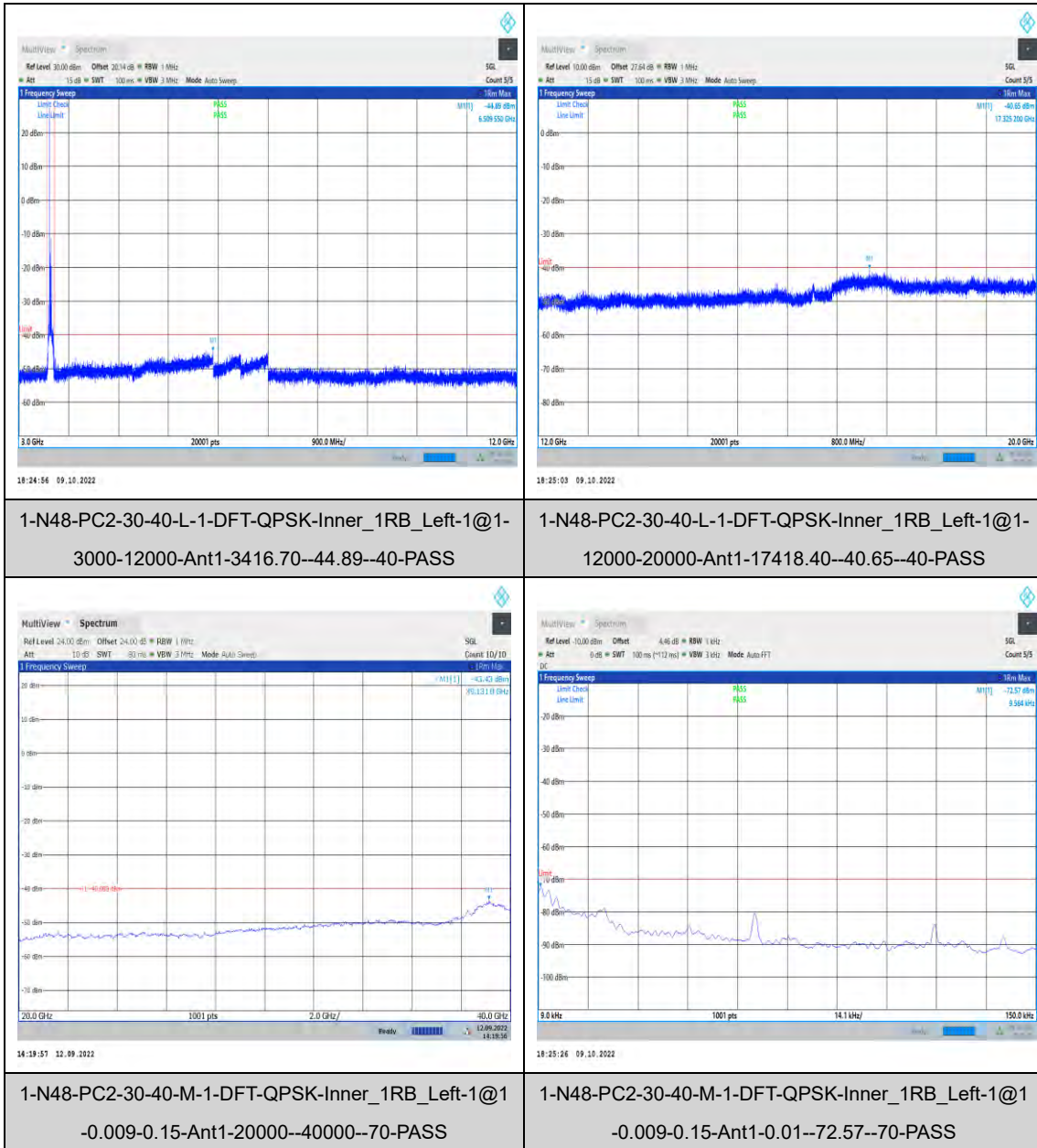
Test Graphs



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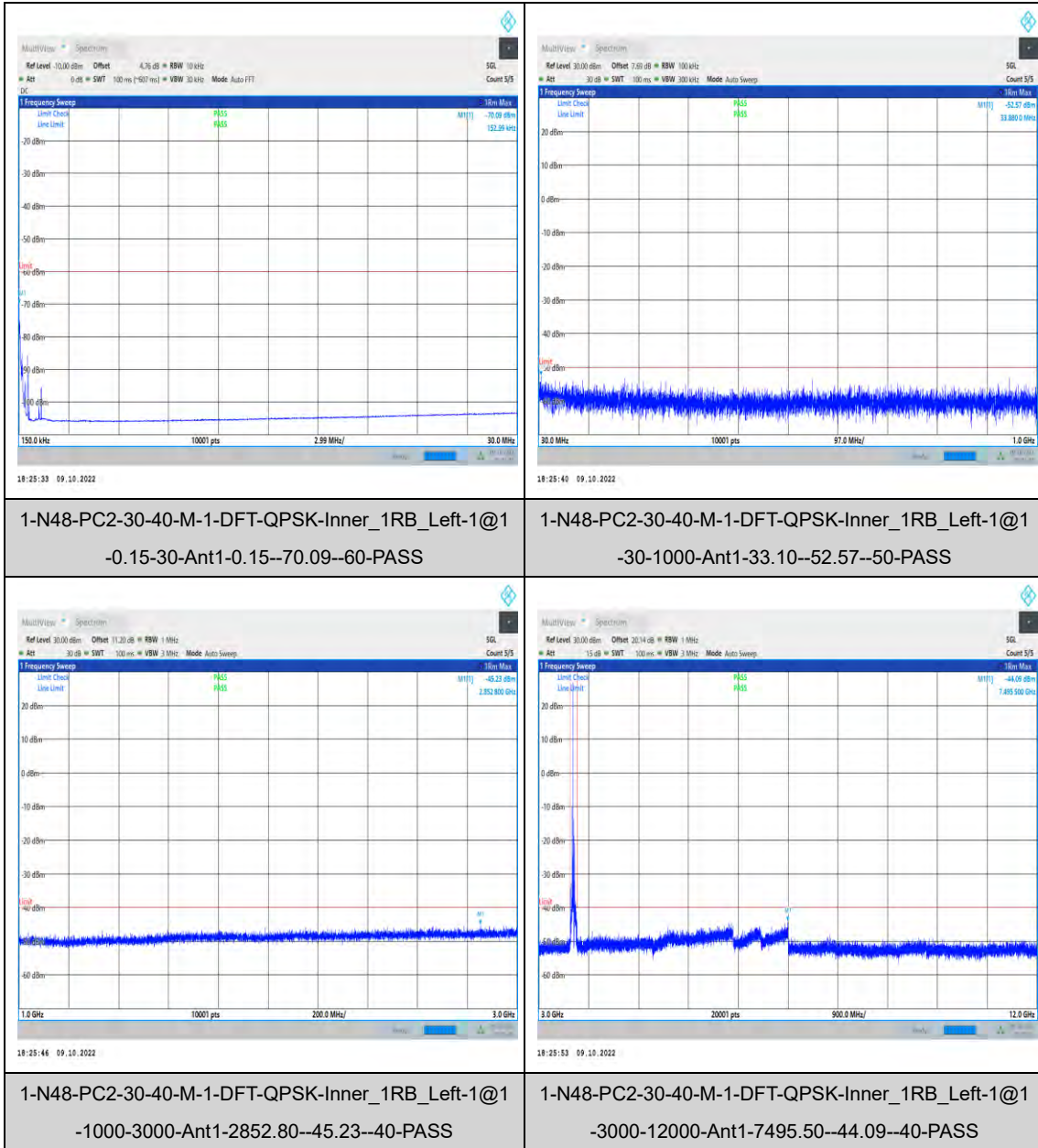


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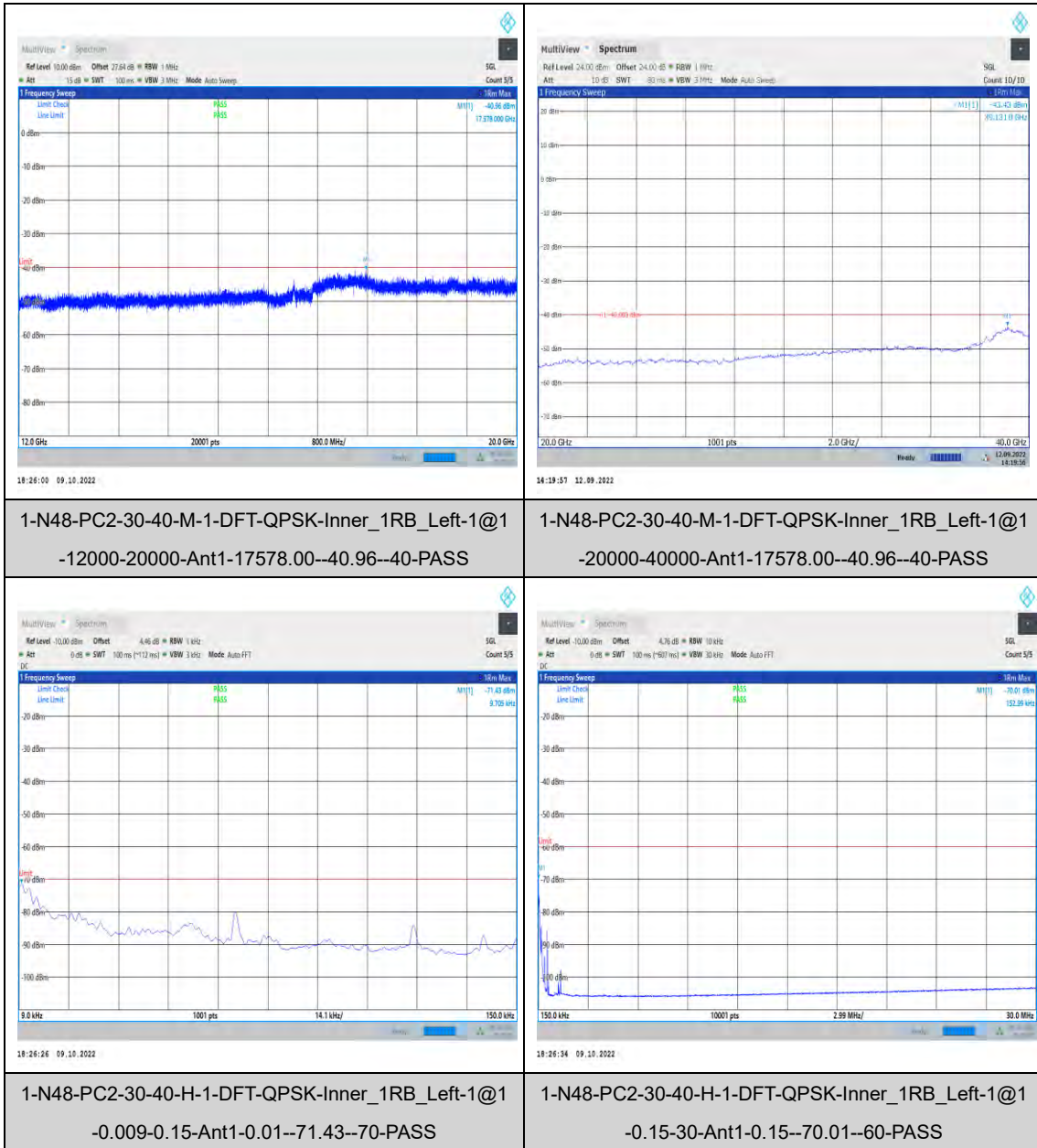
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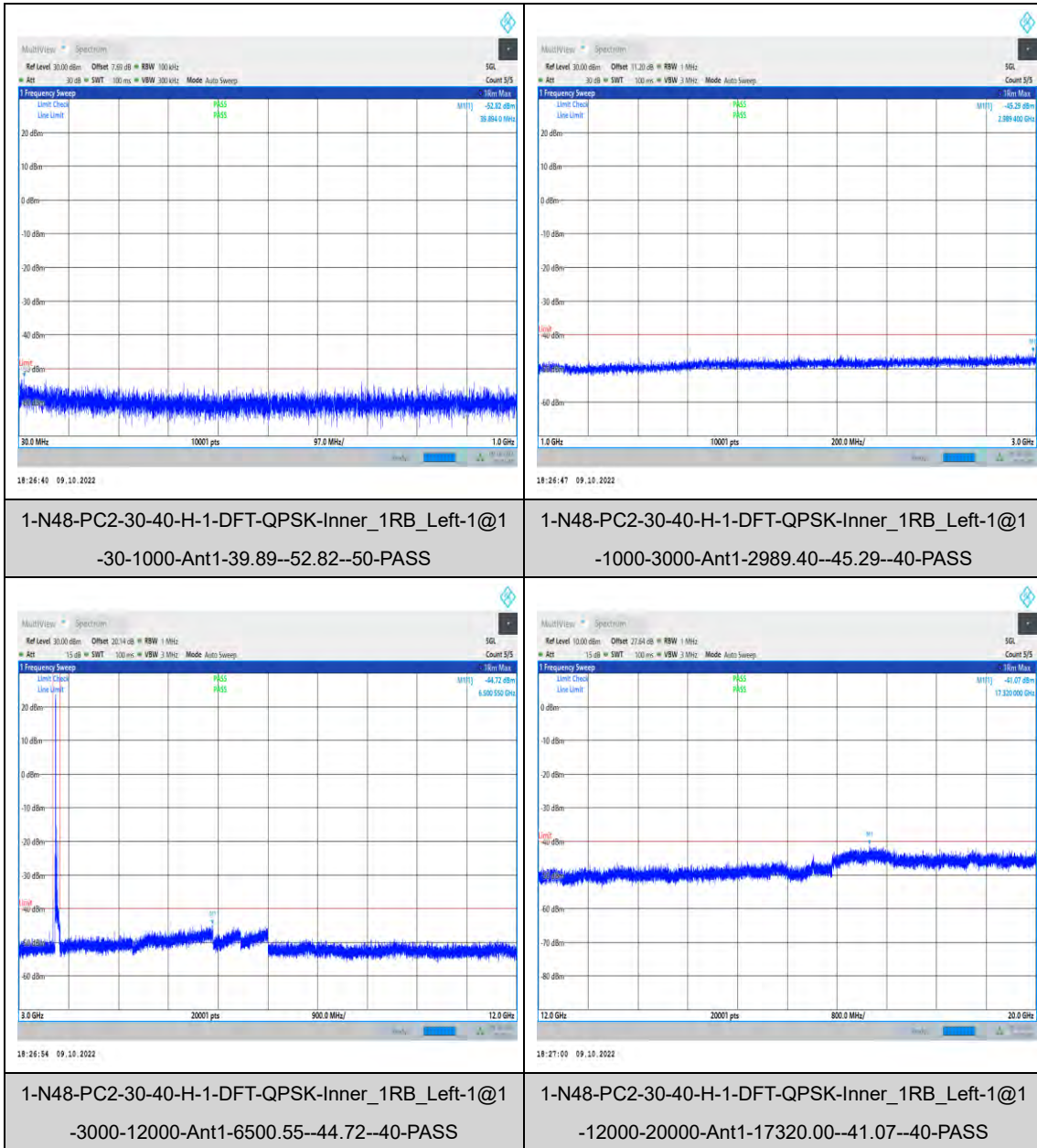




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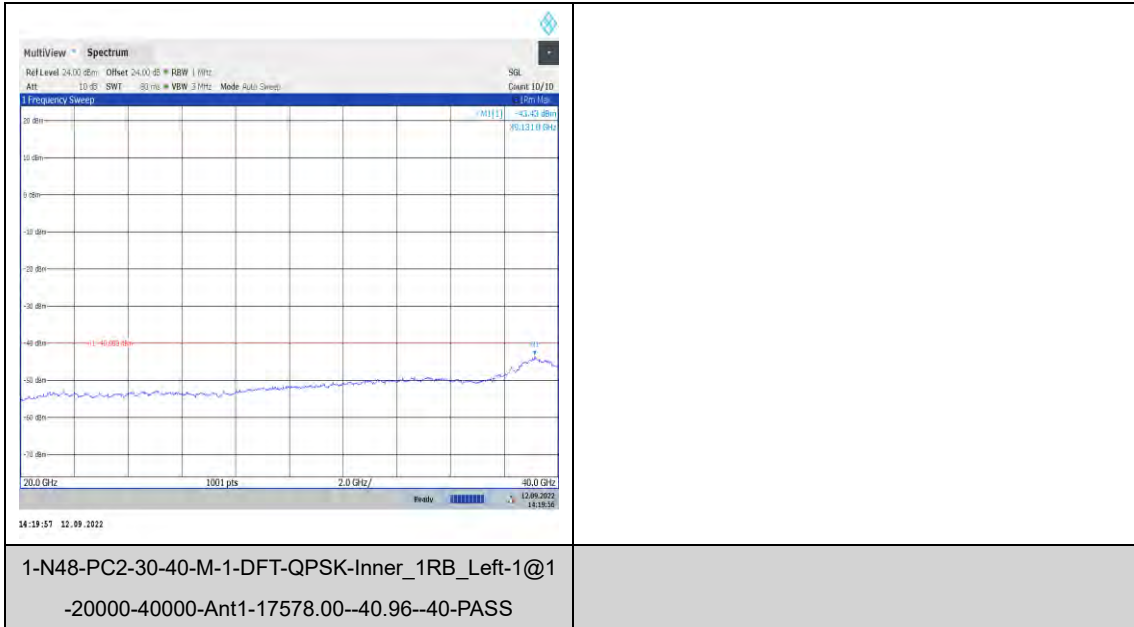
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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-QPSK	M	Outer_Full	VH	NT	-5.900000	-0.001628	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-3.800000	-0.001048	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	VL	NT	-6.200000	-0.001710	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VH	NT	-9.900000	-0.002731	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VN	NT	-9.200000	-0.002538	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VL	NT	-8.600000	-0.002372	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-QPSK	M	Outer_Full	NV	-30	-5.500000	-0.001517	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	-20	-11.300000	-0.003117	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	-10	-9.600000	-0.002648	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	0	-6.400000	-0.001766	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	10	-7.400000	-0.002041	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	20	3.000000	0.000828	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	30	1.300000	0.000359	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	40	-11.500000	-0.003172	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	NV	50	-7.000000	-0.001931	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-30	-10.600000	-0.002924	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-20	-5.800000	-0.001600	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-10	-3.100000	-0.000855	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	0	2.700000	0.000745	PASS



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N48	30	40	CP-QPSK	M	Outer_Full	NV	10	-7.900000	-0.002179	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	20	0.400000	0.000110	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	30	-11.800000	-0.003255	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	40	-4.200000	-0.001159	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	50	-10.700000	-0.002952	PASS

Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N48	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	see graph	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	see graph	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	see graph	PASS
N48	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N48	30	40	CP-16QAM	M	Outer_Full	see graph	PASS
N48	30	40	CP-64QAM	M	Outer_Full	see graph	PASS
N48	30	40	CP-256QAM	M	Outer_Full	see graph	PASS

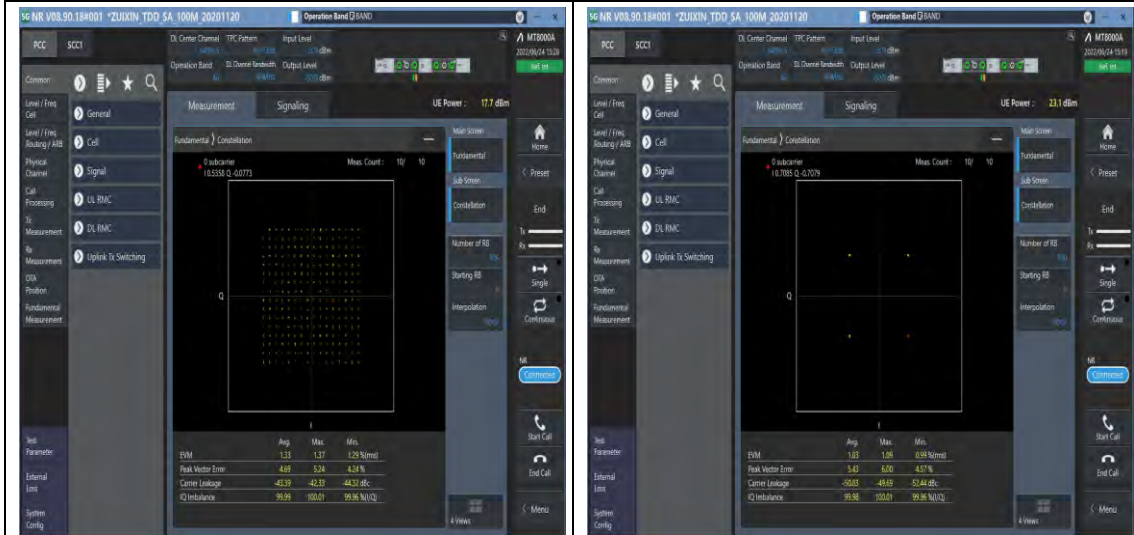


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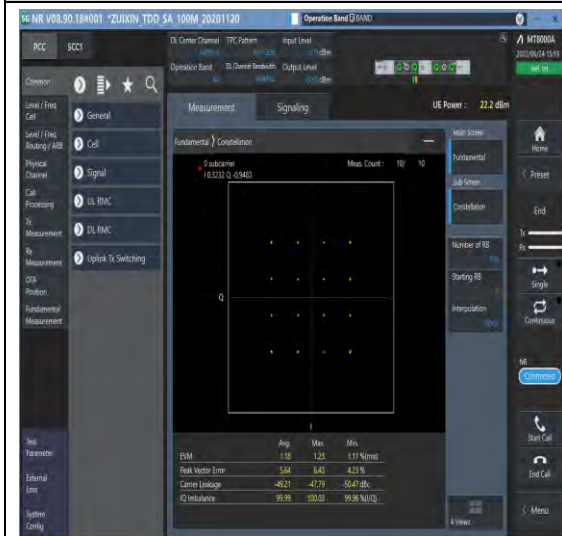


## Test Graphs

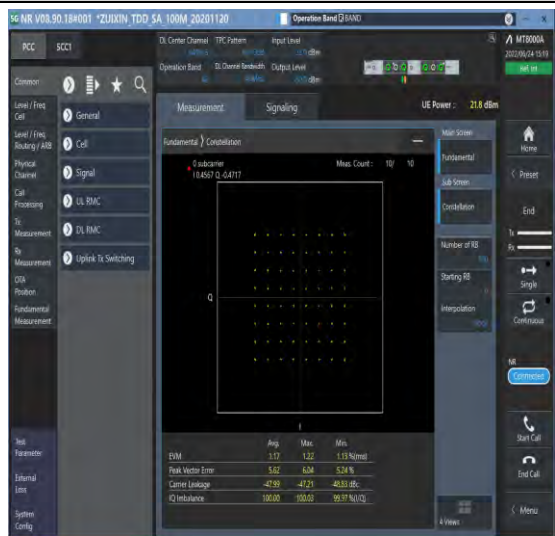


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1-N48-PC3-30-40-M-2-DFT-QPSK-Outer\_Full-100@0-A  
nt1-see graph-PASS



1-N48-PC3-30-40-M-3-DFT-16QAM-Outer\_Full-100@0-  
Ant1-see graph-PASS

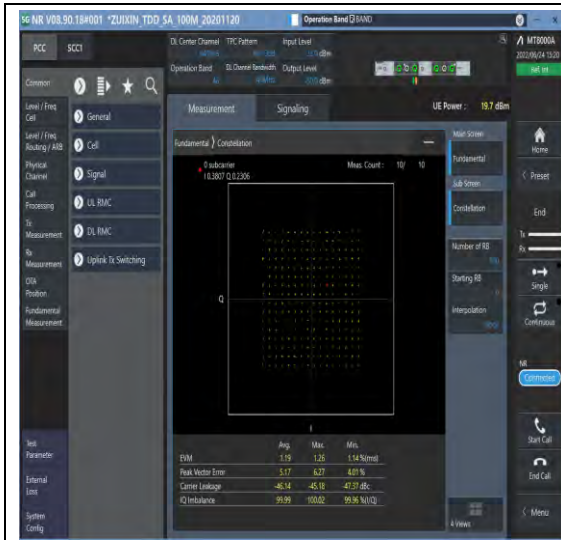


1-N48-PC3-30-40-M-4-DFT-64QAM-Outer\_Full-100@0-  
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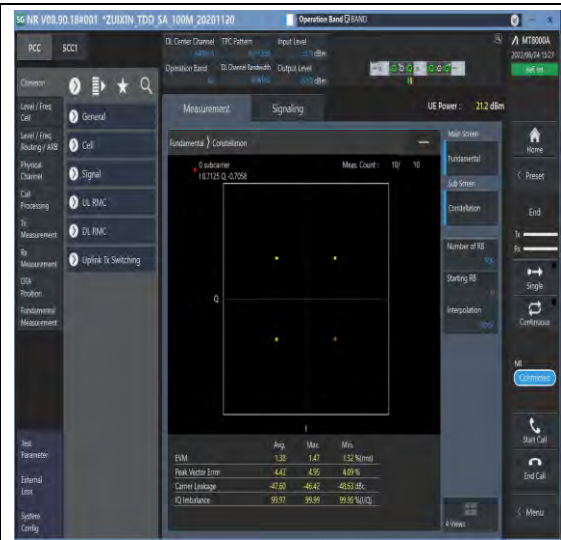


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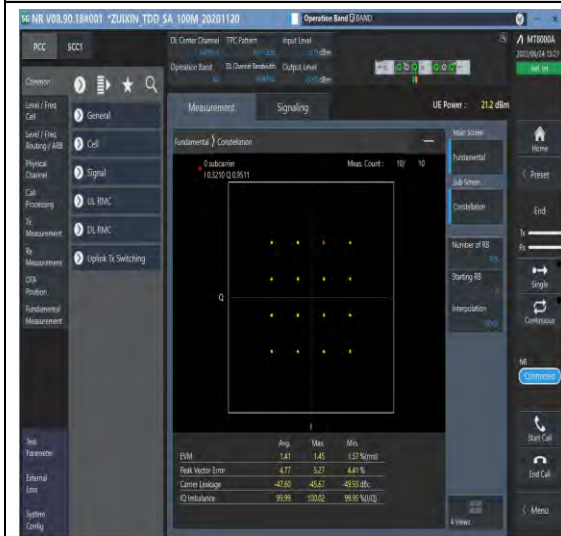
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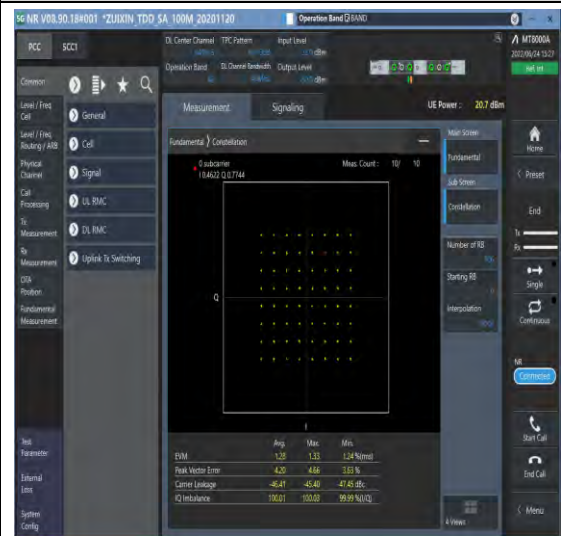
1-N48-PC3-30-40-M-5-DFT-256QAM-Outer\_Full-100@0  
-Ant1-see graph-PASS



1-N48-PC3-30-40-M-6-CP-QPSK-Outer\_Full-106@0-Ant  
1-see graph-PASS



1-N48-PC3-30-40-M-7-CP-16QAM-Outer\_Full-106@0-A  
nt1-see graph-PASS



1-N48-PC3-30-40-M-8-CP-64QAM-Outer\_Full-106@0-A  
nt1-see graph-PASS



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Power Spectral Density

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	EIRP	Limit	Verdict
N48	30	10	DFT-QPSK	L	Inner_1RB_Left	21.92	22.97	23	PASS
N48	30	10	DFT-QPSK	L	Inner_1RB_Right	21.49	22.54	23	PASS
N48	30	10	DFT-QPSK	L	Outer_Full	20.55	21.6	23	PASS
N48	30	10	DFT-QPSK	M	Inner_1RB_Left	22.63	23.68	23	PASS
N48	30	10	DFT-QPSK	M	Inner_1RB_Right	21.96	23.01	23	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	20.38	21.43	23	PASS
N48	30	10	DFT-QPSK	H	Inner_1RB_Left	21.87	22.92	23	PASS
N48	30	10	DFT-QPSK	H	Inner_1RB_Right	21.98	23.03	23	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	21.2	22.25	23	PASS
N48	30	15	DFT-QPSK	L	Inner_1RB_Left	21.63	22.68	23	PASS
N48	30	15	DFT-QPSK	L	Inner_1RB_Right	22.36	23.41	23	PASS
N48	30	15	DFT-QPSK	L	Outer_Full	19.62	20.67	23	PASS
N48	30	15	DFT-QPSK	M	Inner_1RB_Left	21.9	22.95	23	PASS
N48	30	15	DFT-QPSK	M	Inner_1RB_Right	22.17	23.22	23	PASS
N48	30	15	DFT-QPSK	M	Outer_Full	19.44	20.49	23	PASS
N48	30	15	DFT-QPSK	H	Inner_1RB_Left	22.3	23.35	23	PASS
N48	30	15	DFT-QPSK	H	Inner_1RB_Right	21.37	22.42	23	PASS
N48	30	15	DFT-QPSK	H	Outer_Full	19.58	20.63	23	PASS
N48	30	20	DFT-QPSK	L	Inner_1RB_Left	21.81	22.86	23	PASS
N48	30	20	DFT-QPSK	L	Inner_1RB_Right	22.01	23.06	23	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	18.54	19.59	23	PASS
N48	30	20	DFT-QPSK	M	Inner_1RB_Left	22.5	23.55	23	PASS
N48	30	20	DFT-QPSK	M	Inner_1RB_Right	21.57	22.62	23	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	18.06	19.11	23	PASS
N48	30	20	DFT-QPSK	H	Inner_1RB_Left	22.21	23.26	23	PASS
N48	30	20	DFT-QPSK	H	Inner_1RB_Right	22.69	23.74	23	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	18.65	19.7	23	PASS



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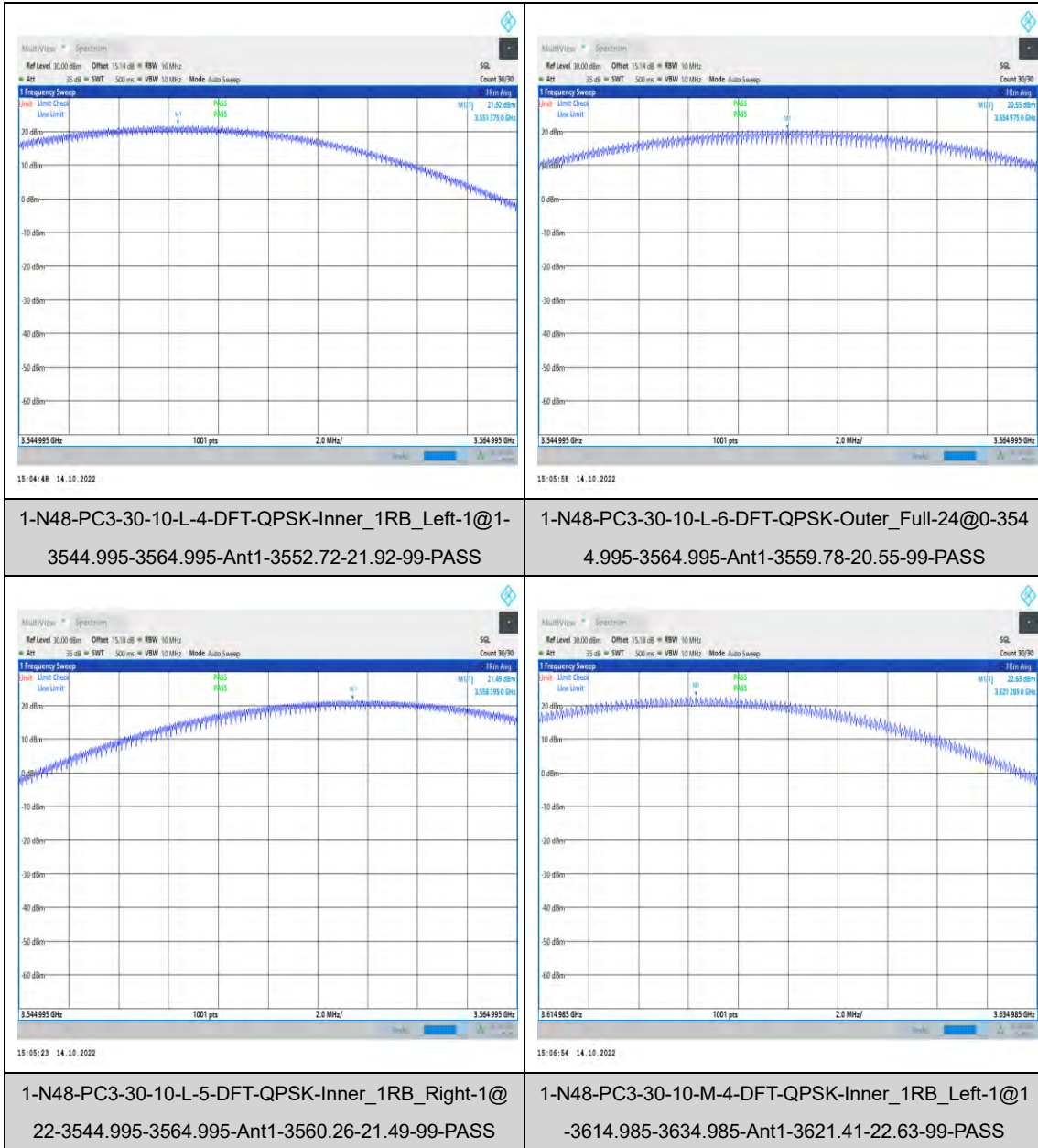
N48	30	40	DFT-QPSK	L	Inner_1RB_Left	22.36	23.41	23	PASS
N48	30	40	DFT-QPSK	L	Inner_1RB_Right	22.48	23.53	23	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	16.17	17.22	23	PASS
N48	30	40	DFT-QPSK	M	Inner_1RB_Left	22.47	23.52	23	PASS
N48	30	40	DFT-QPSK	M	Inner_1RB_Right	21.91	22.96	23	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	15.44	16.49	23	PASS
N48	30	40	DFT-QPSK	H	Inner_1RB_Left	22.51	23.56	23	PASS
N48	30	40	DFT-QPSK	H	Inner_1RB_Right	22.39	23.44	23	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	16.3	17.35	23	PASS



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## Test Graphs

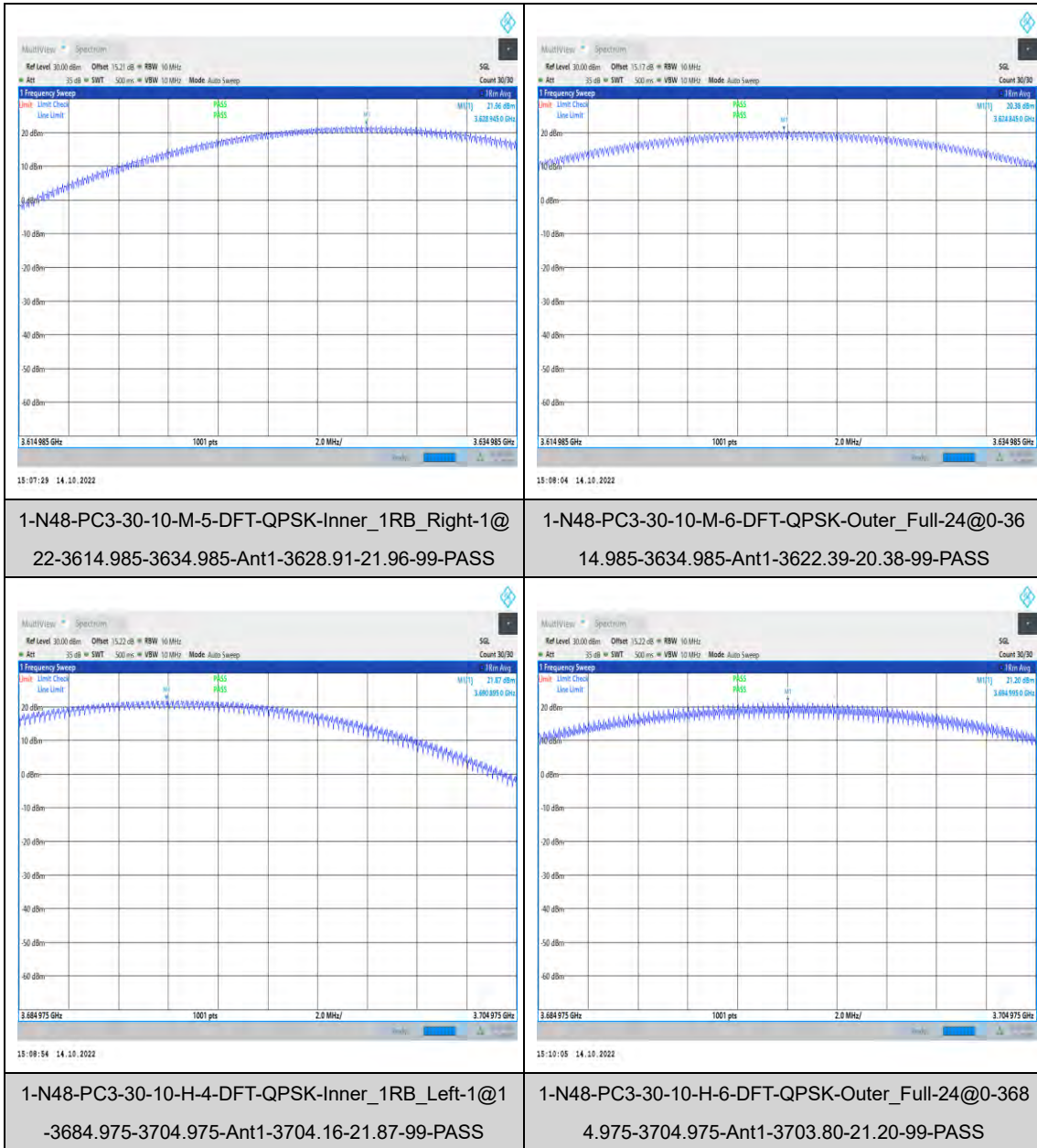


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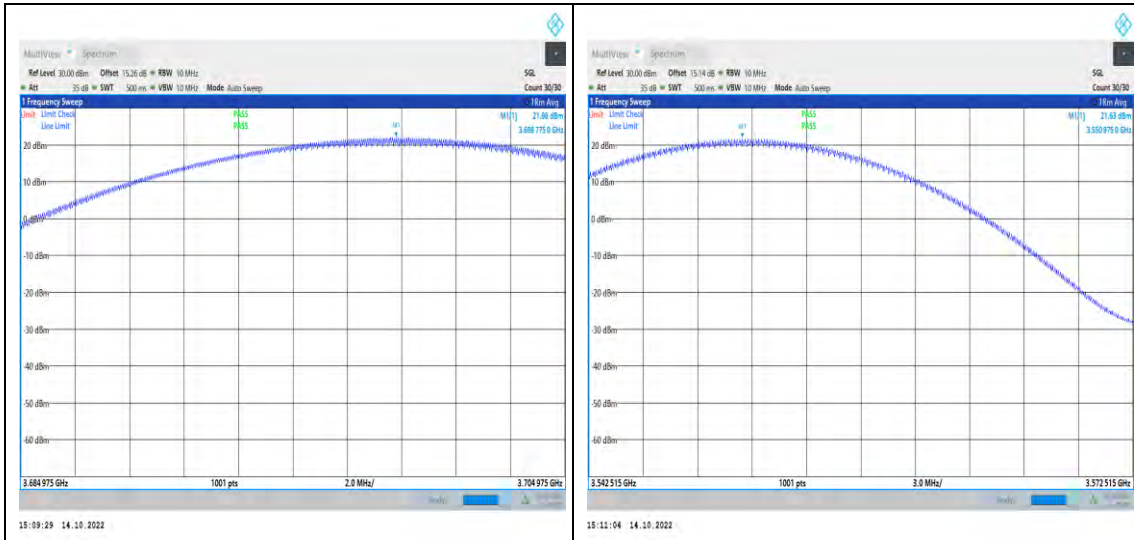
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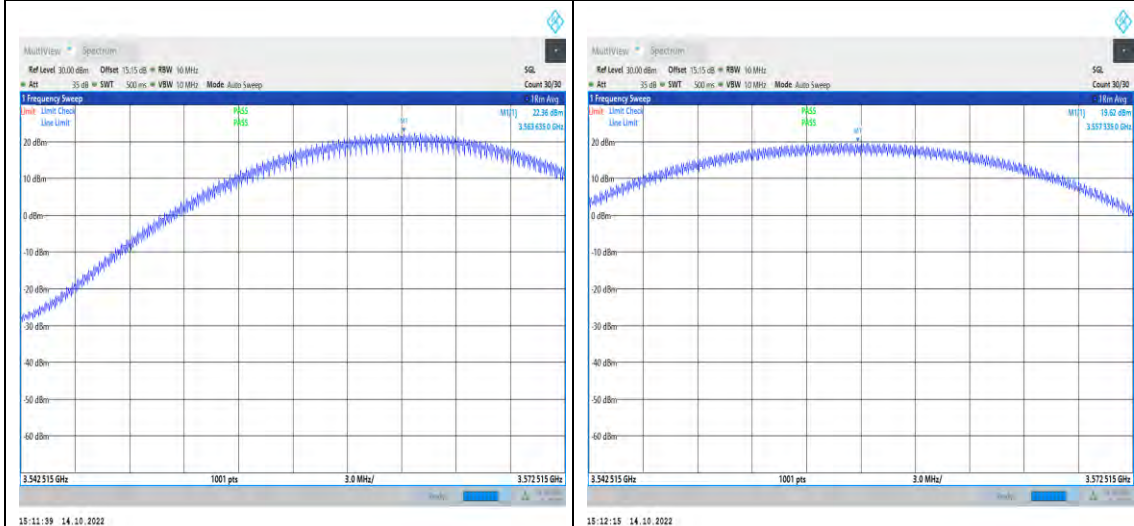
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1-N48-PC3-30-10-H-5-DFT-QPSK-Inner\_1RB\_Right-1@  
22-3684.975-3704.975-Ant1-3703.74-21.98-99-PASS

1-N48-PC3-30-15-L-4-DFT-QPSK-Inner\_1RB\_Left-1@1-  
3542.515-3572.515-Ant1-3550.74-21.63-99-PASS



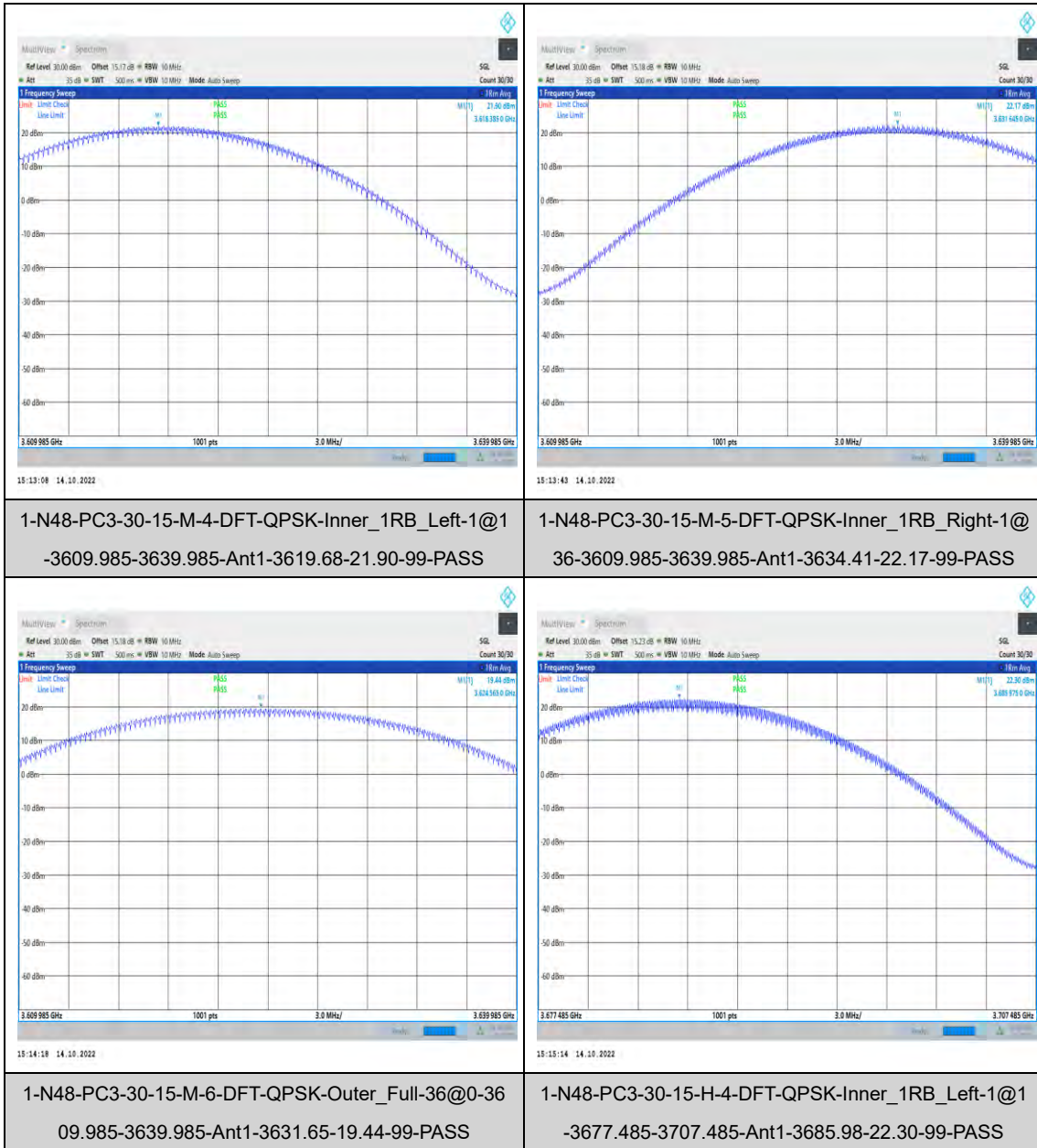
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1-N48-PC3-30-15-L-6-DFT-QPSK-Outer\_Full-36@0-354  
2.515-3572.515-Ant1-3564.72-19.62-99-PASS



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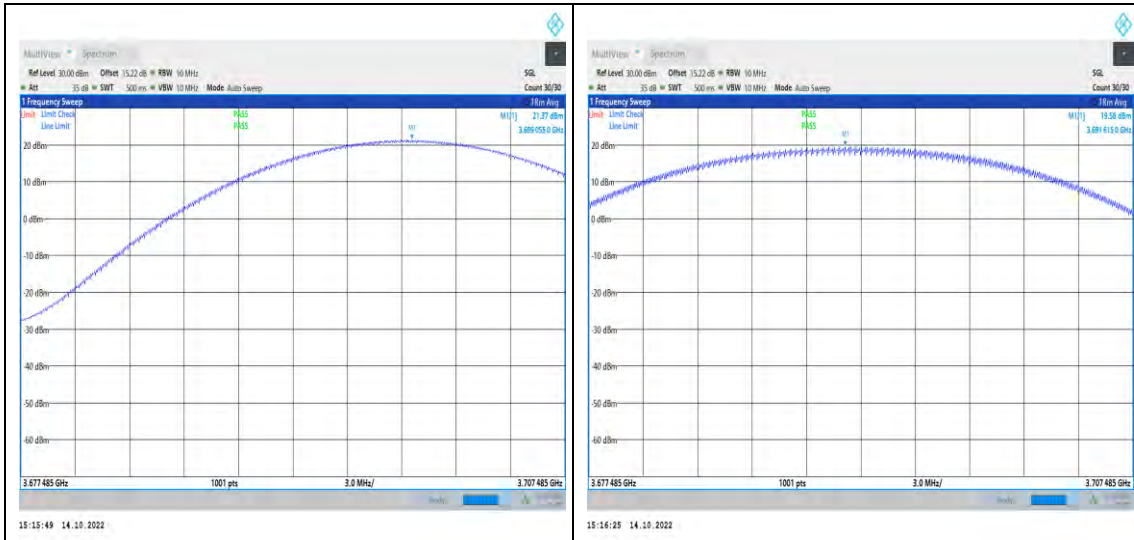
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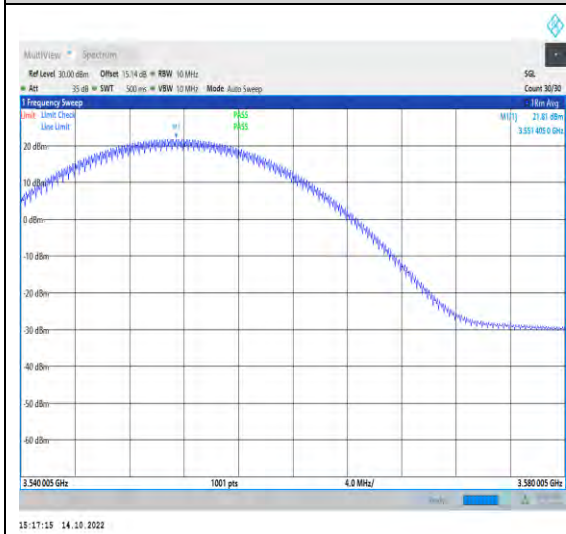
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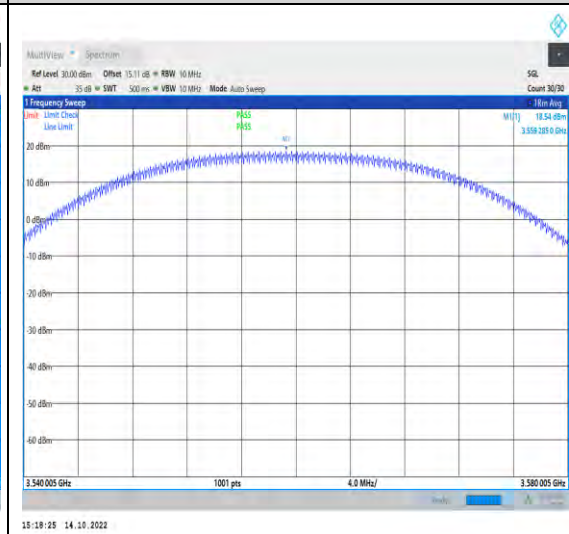


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1-N48-PC3-30-15-H-6-DFT-QPSK-Outer\_Full-36@0-367  
7.485-3707.485-Ant1-3700.65-19.58-99-PASS



1-N48-PC3-30-20-L-4-DFT-QPSK-Inner\_1RB\_Left-1@1-  
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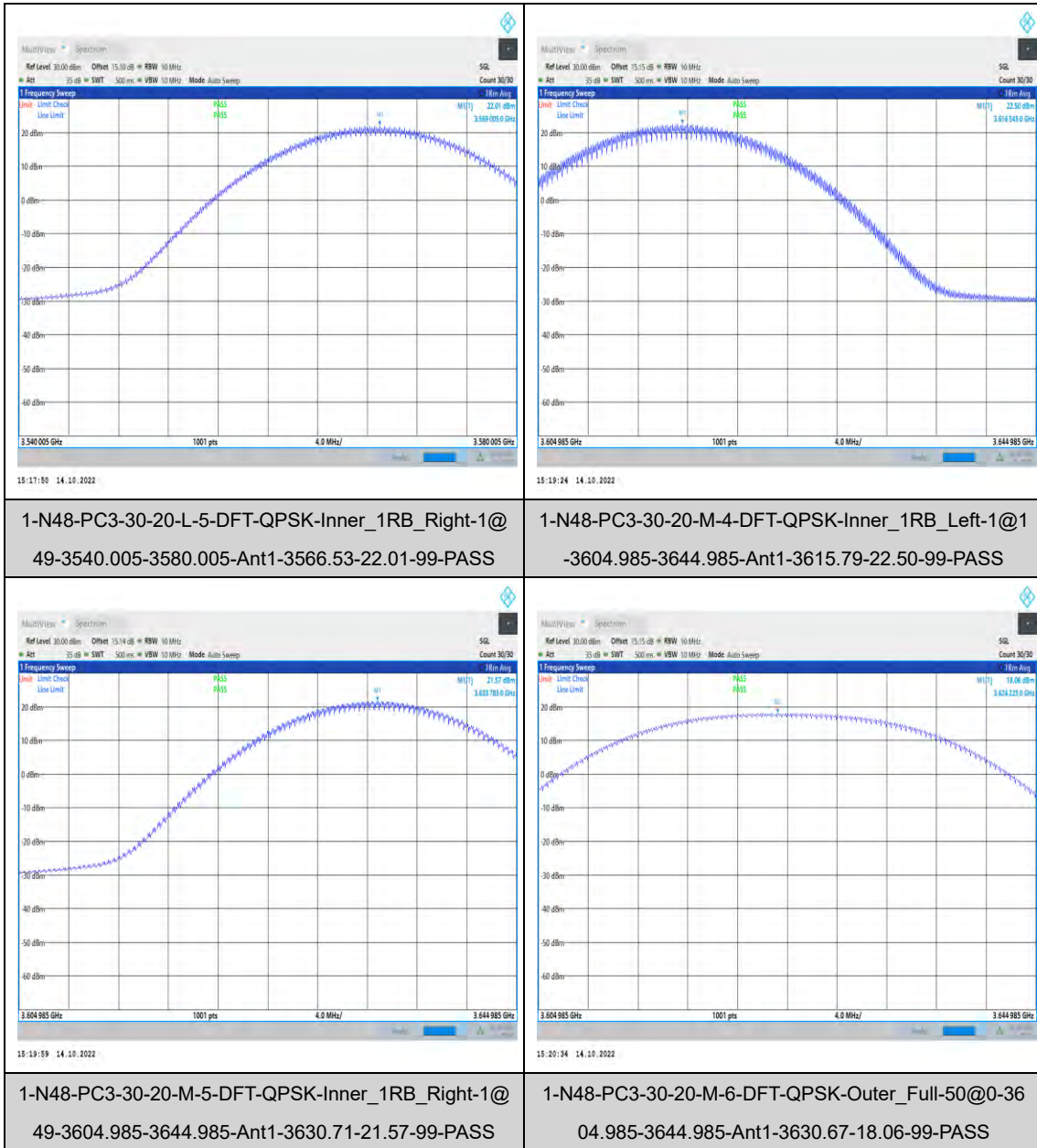
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0.005-3580.005-Ant1-3567.93-18.54-99-PASS



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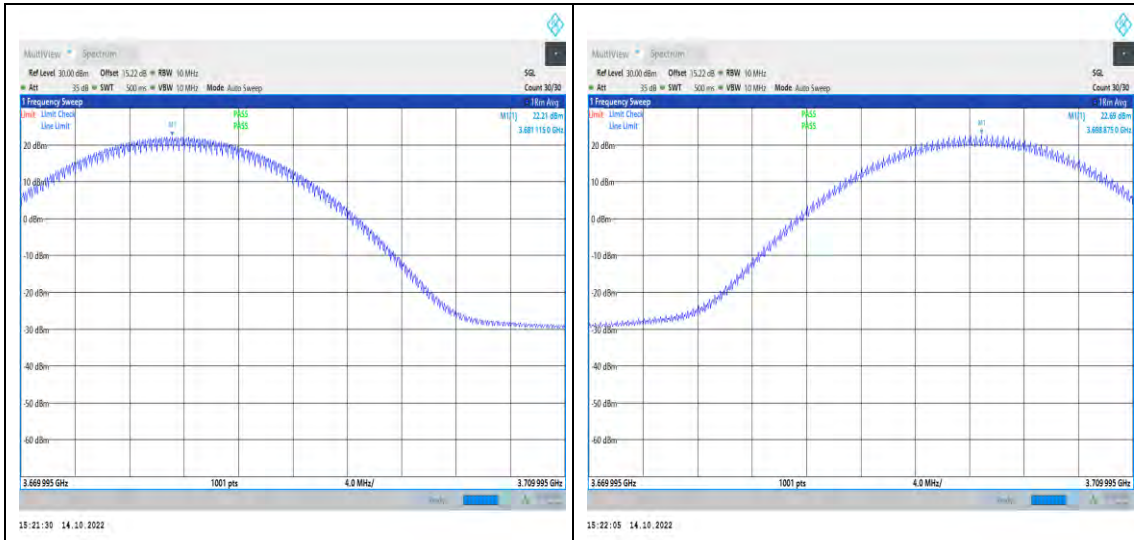




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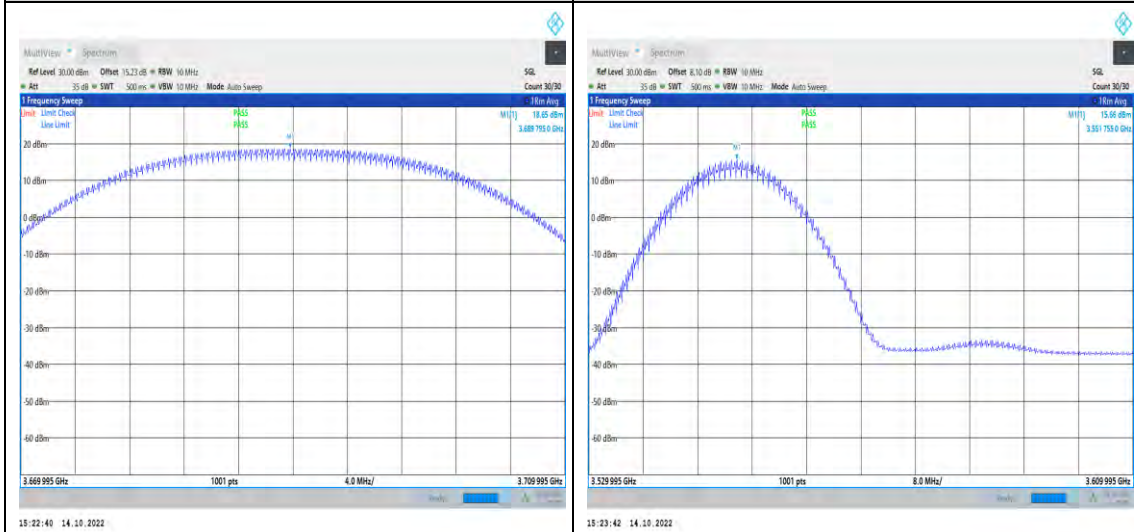
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1-N48-PC3-30-20-H-4-DFT-QPSK-Inner\_1RB\_Left-1@1  
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1-N48-PC3-30-20-H-5-DFT-QPSK-Inner\_1RB\_Right-1@  
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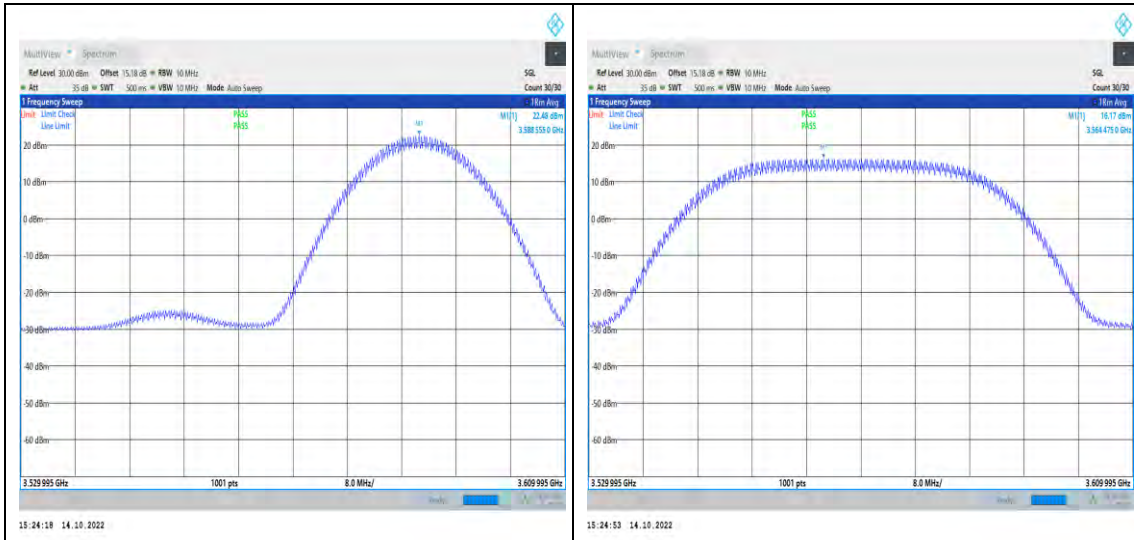
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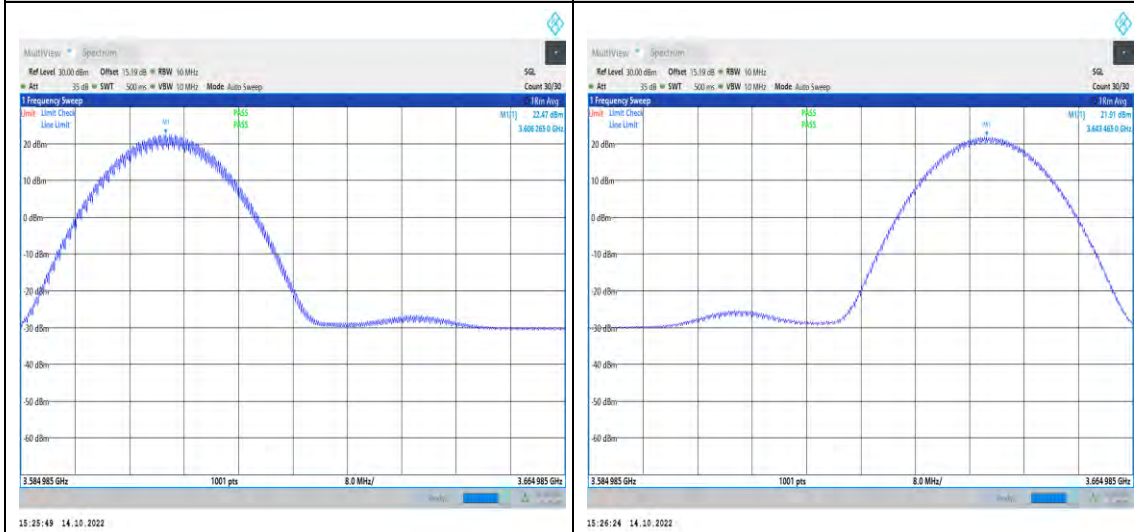
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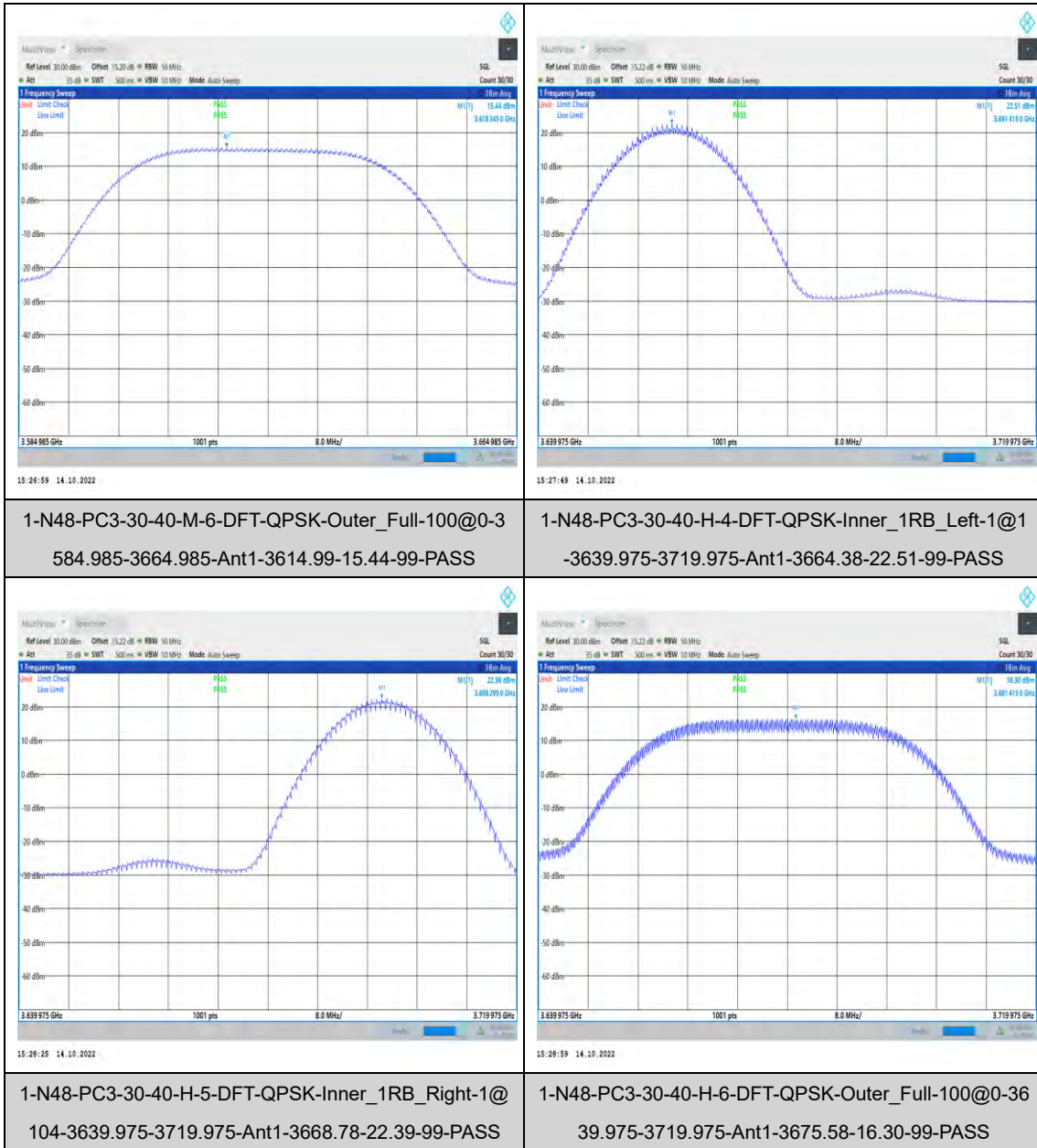
1-N48-PC3-30-40-M-5-DFT-QPSK-Inner\_1RB\_Right-1@  
104-3584.985-3664.985-Ant1-3608.59-21.91-99-PASS



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