



Appendix B.10

NR Band n5



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.72	24.97	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.59	24.84	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.20	24.45	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.78	25.03	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.89	25.14	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	22.82	24.07	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	22.73	23.98	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	22.72	23.97	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	21.67	22.92	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	21.51	22.76	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	21.44	22.69	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	21.69	22.94	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	19.65	20.9	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	19.48	20.73	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	19.56	20.81	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.72	24.97	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.83	25.08	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.16	24.41	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.70	24.95	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.79	25.04	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	22.76	24.01	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	22.54	23.79	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	22.85	24.1	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	21.69	22.94	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	21.54	22.79	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	21.48	22.73	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	21.63	22.88	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	19.62	20.87	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	19.67	20.92	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	19.60	20.85	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.58	24.83	38.45	PASS



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N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.50	24.75	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.14	24.39	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.98	25.23	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.73	24.98	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	22.74	23.99	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	22.73	23.98	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	22.67	23.92	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	21.60	22.85	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	21.66	22.91	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	21.41	22.66	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	21.49	22.74	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	19.64	20.89	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	19.51	20.76	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	19.51	20.76	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.76	25.01	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.73	24.98	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.31	24.56	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.72	24.97	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.62	24.87	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	22.82	24.07	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	22.83	24.08	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	22.57	23.82	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	21.79	23.04	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	21.63	22.88	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	21.52	22.77	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	21.79	23.04	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	19.52	20.77	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	19.63	20.88	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	19.68	20.93	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.62	24.87	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.83	25.08	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.18	24.43	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.66	24.91	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.88	25.13	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	22.61	23.86	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	22.67	23.92	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	22.76	24.01	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	21.63	22.88	38.45	PASS



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N5	15	10	DFT-64QAM	M	Inner_1RB_Left	21.35	22.6	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	21.79	23.04	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	21.66	22.91	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	19.62	20.87	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	19.87	21.12	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	19.53	20.78	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.73	24.98	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.88	25.13	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.46	24.71	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.77	25.02	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	24.00	25.25	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	22.98	24.23	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	22.68	23.93	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	22.69	23.94	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	21.79	23.04	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	21.59	22.84	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	21.72	22.97	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	21.74	22.99	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	19.79	21.04	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	19.72	20.97	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	19.84	21.09	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.70	24.95	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.90	25.15	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	23.33	24.58	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.84	25.09	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.90	25.15	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	22.81	24.06	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	22.73	23.98	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	22.75	24	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	21.88	23.13	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	21.47	22.72	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	21.71	22.96	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	21.74	22.99	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	19.50	20.75	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	19.84	21.09	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	19.71	20.96	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.50	24.75	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.94	25.19	38.45	PASS



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N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.29	24.54	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.80	25.05	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.86	25.11	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	22.88	24.13	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	22.59	23.84	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	22.92	24.17	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	21.92	23.17	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	21.57	22.82	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	21.81	23.06	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	21.65	22.9	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	19.28	20.53	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	19.86	21.11	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	19.63	20.88	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.57	24.82	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.96	25.21	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.34	24.59	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.67	24.92	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	24.06	25.31	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	22.84	24.09	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	22.63	23.88	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	22.89	24.14	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	21.91	23.16	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	21.41	22.66	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	21.57	22.82	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	21.71	22.96	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	19.62	20.87	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	19.81	21.06	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	19.69	20.94	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.77	25.02	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.82	25.07	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.33	24.58	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.82	25.07	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	24.00	25.25	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.09	24.34	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	22.74	23.99	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	22.91	24.16	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	21.87	23.12	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	21.50	22.75	38.45	PASS



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N5	15	20	DFT-64QAM	L	Inner_1RB_Right	21.76	23.01	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	21.75	23	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	19.69	20.94	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	19.75	21	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	19.81	21.06	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.46	24.71	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.88	25.13	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.31	24.56	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.83	25.08	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.94	25.19	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	22.95	24.2	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	22.59	23.84	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	22.75	24	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	21.74	22.99	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	21.38	22.63	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.65	22.9	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	21.66	22.91	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	19.32	20.57	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	19.83	21.08	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	19.76	21.01	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.47	24.72	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.92	25.17	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.25	24.5	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.52	24.77	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	24.01	25.26	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	22.64	23.89	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	22.66	23.91	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	22.80	24.05	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	21.77	23.02	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	21.43	22.68	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.74	22.99	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	21.57	22.82	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	19.30	20.55	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	19.90	21.15	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	19.72	20.97	38.45	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	8.80	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	9.20	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	8.51	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	9.56	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	8.82	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	9.61	≤13	PASS



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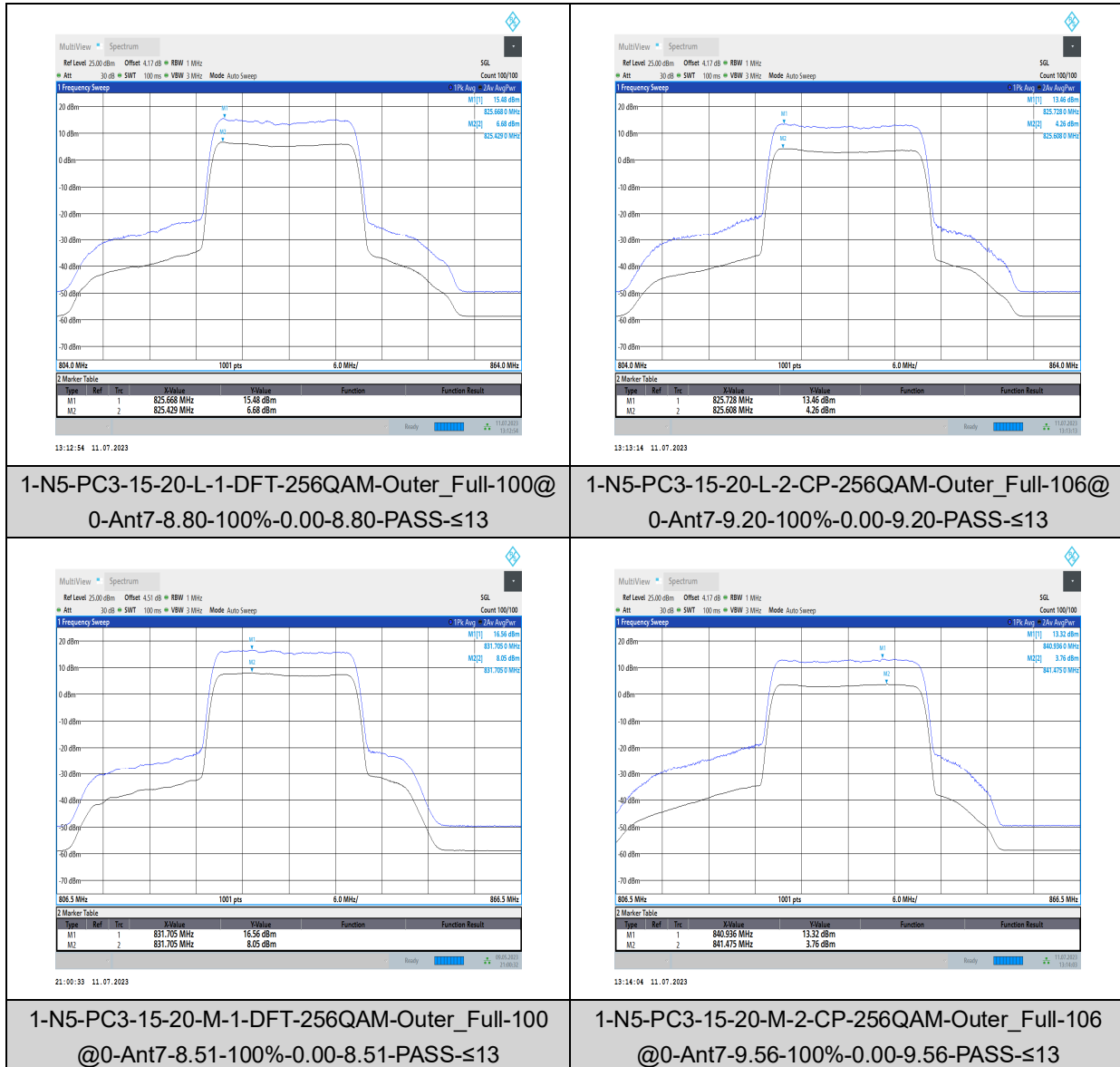
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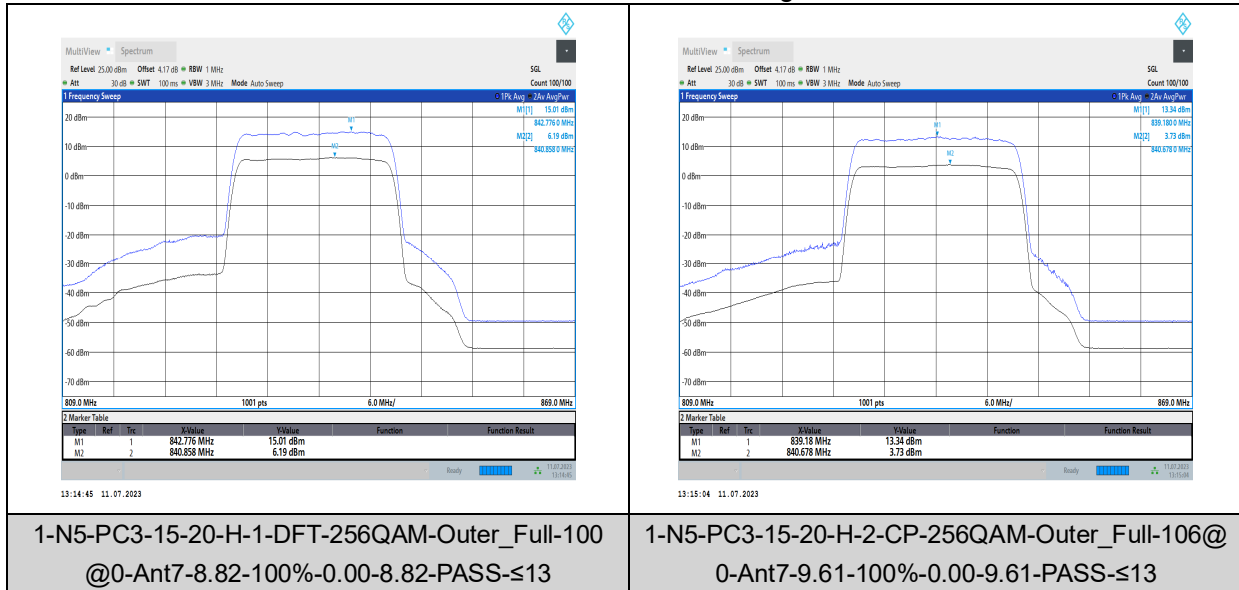
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-QPSK	M	Outer_Full	4.464	4.790	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.464	4.820	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.466	4.780	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.456	4.800	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.465	4.830	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.471	4.880	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.474	4.840	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.478	4.830	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.473	4.800	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.917	9.400	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.909	9.400	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.924	9.380	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.906	9.420	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.901	9.380	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.292	9.820	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.263	9.820	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.303	9.780	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.301	9.800	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.427	14.070	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.433	14.100	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.444	14.100	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.472	14.130	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.433	14.100	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.098	14.790	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.092	14.760	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.07	14.760	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.089	14.850	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.892	18.680	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.864	18.680	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.857	18.600	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.916	18.640	PASS



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N5	15	20	DFT-256QAM	M	Outer_Full	17.893	18.680	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.928	19.640	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.910	19.720	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.916	19.760	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.922	19.600	PASS



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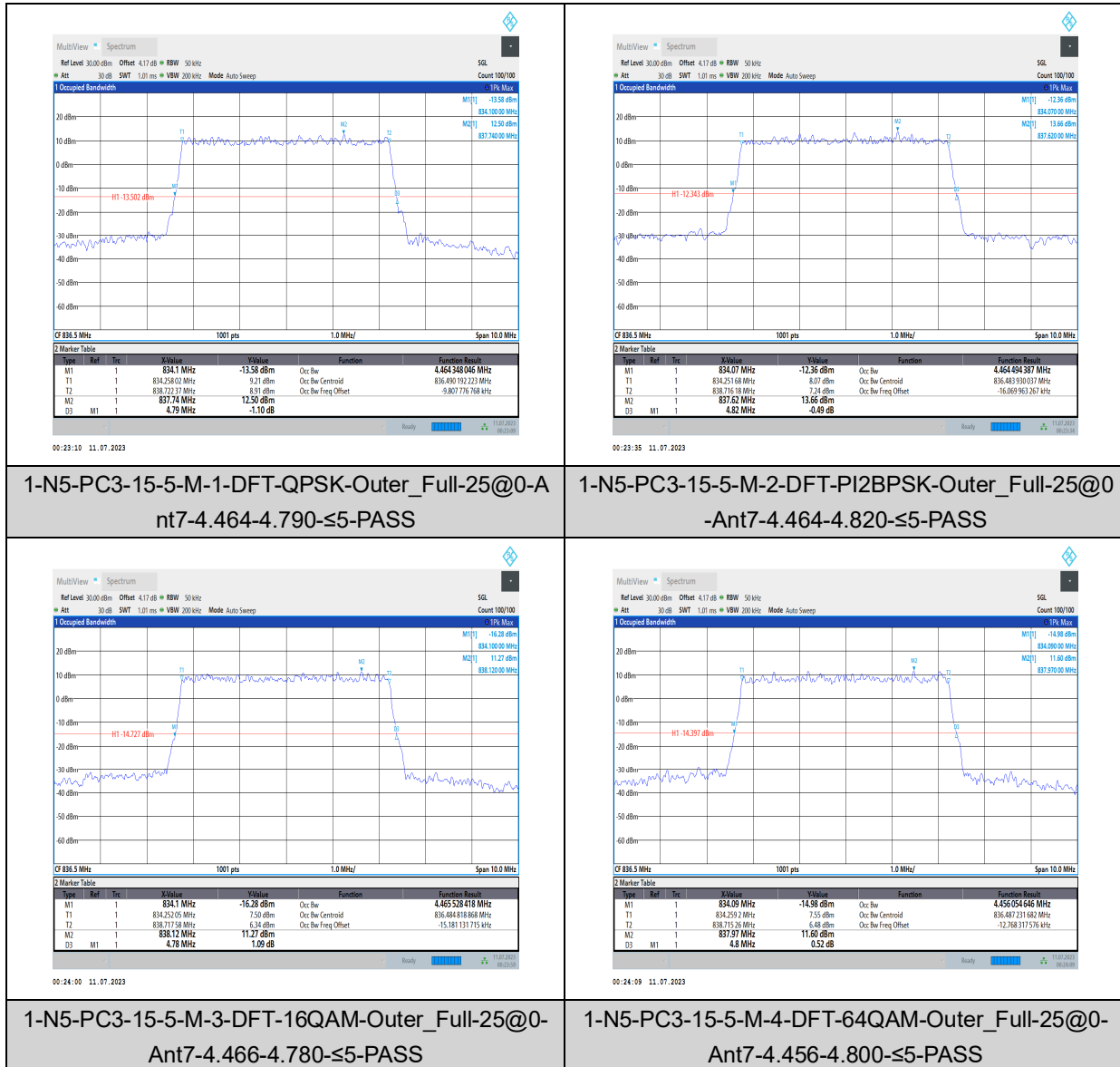
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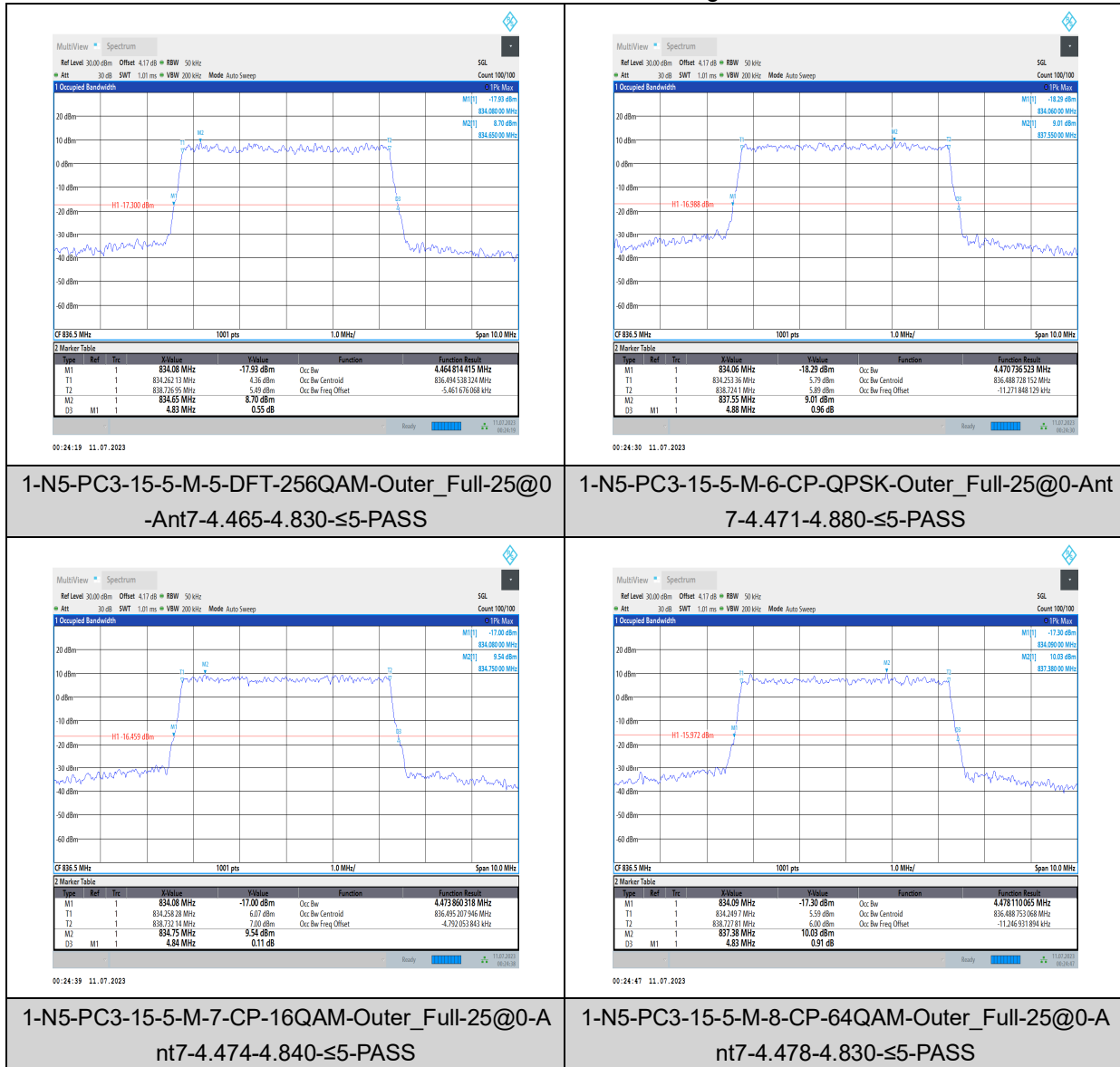
Test Graphs



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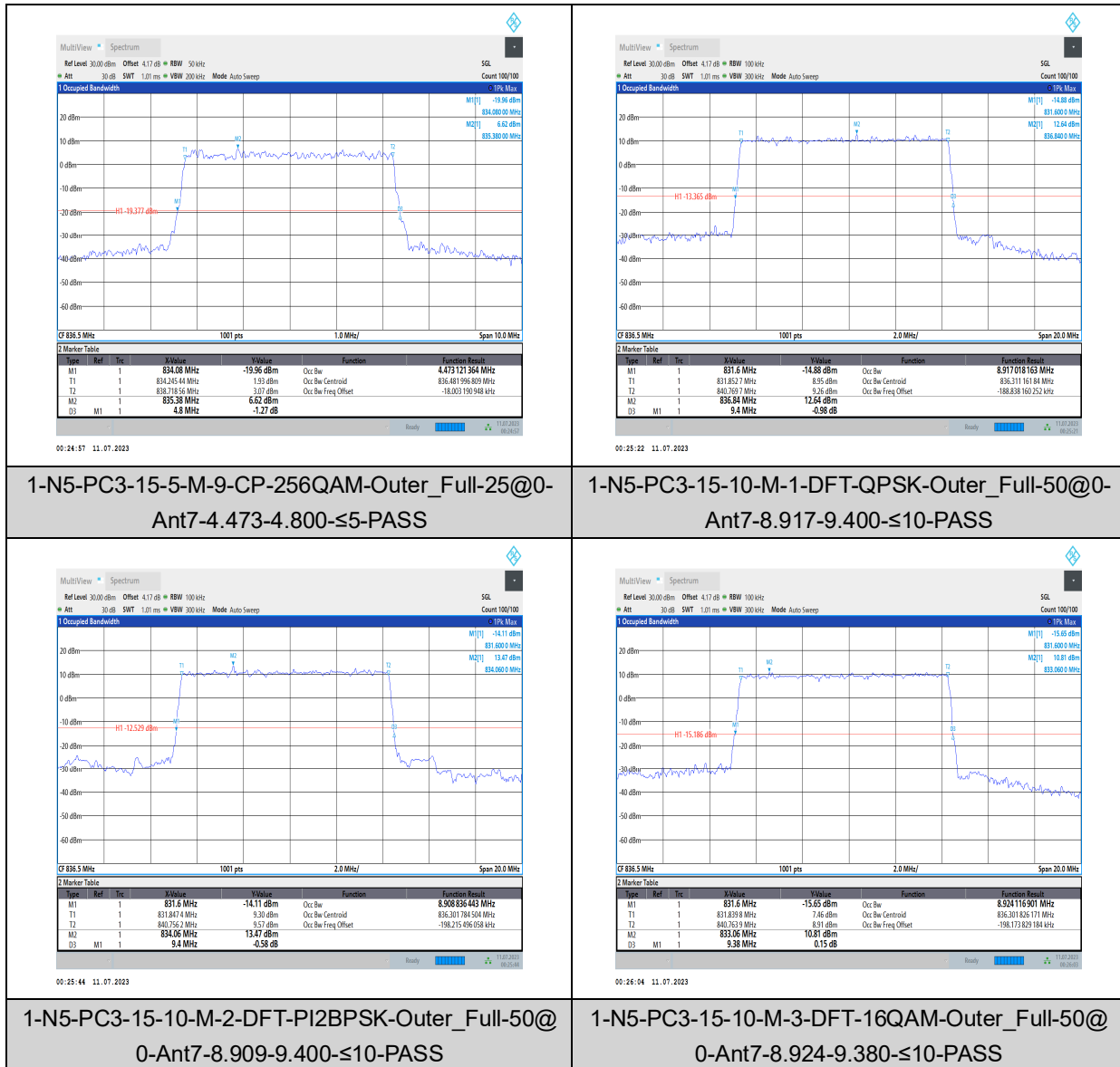
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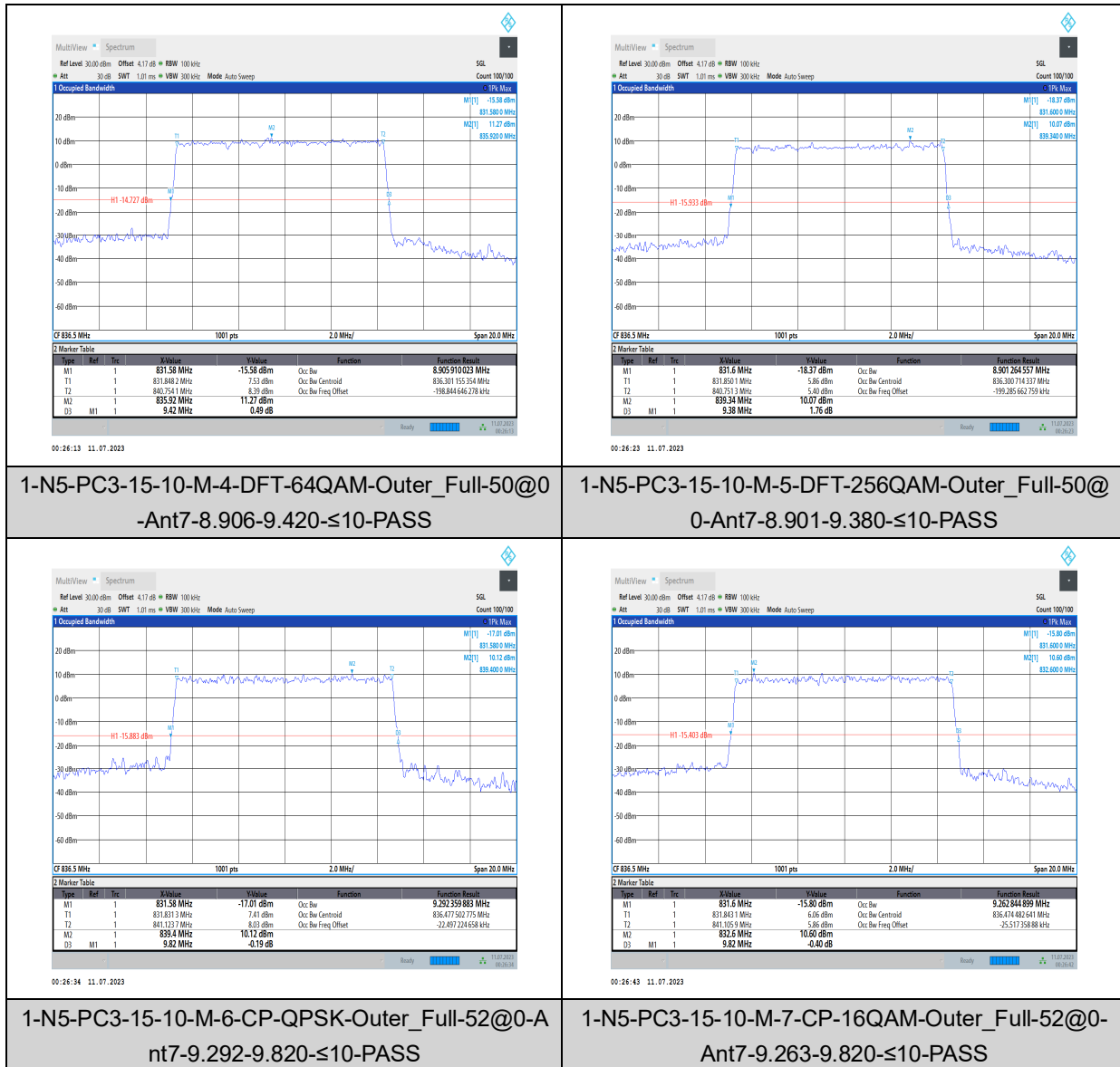


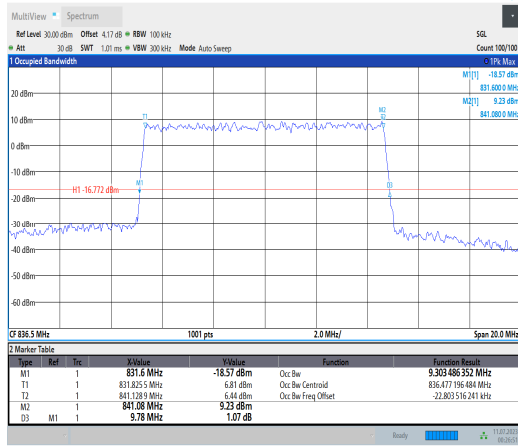
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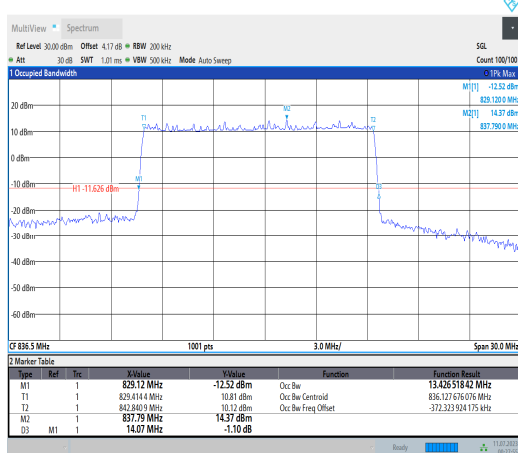
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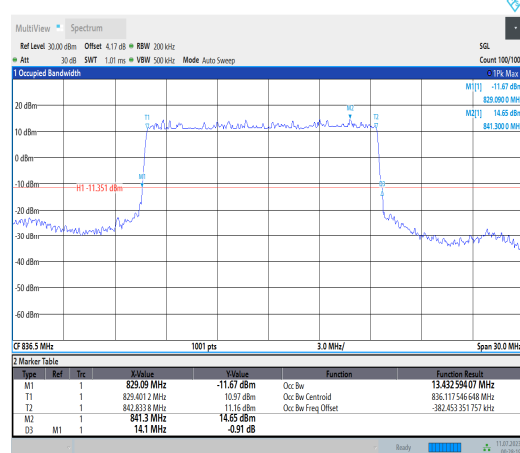
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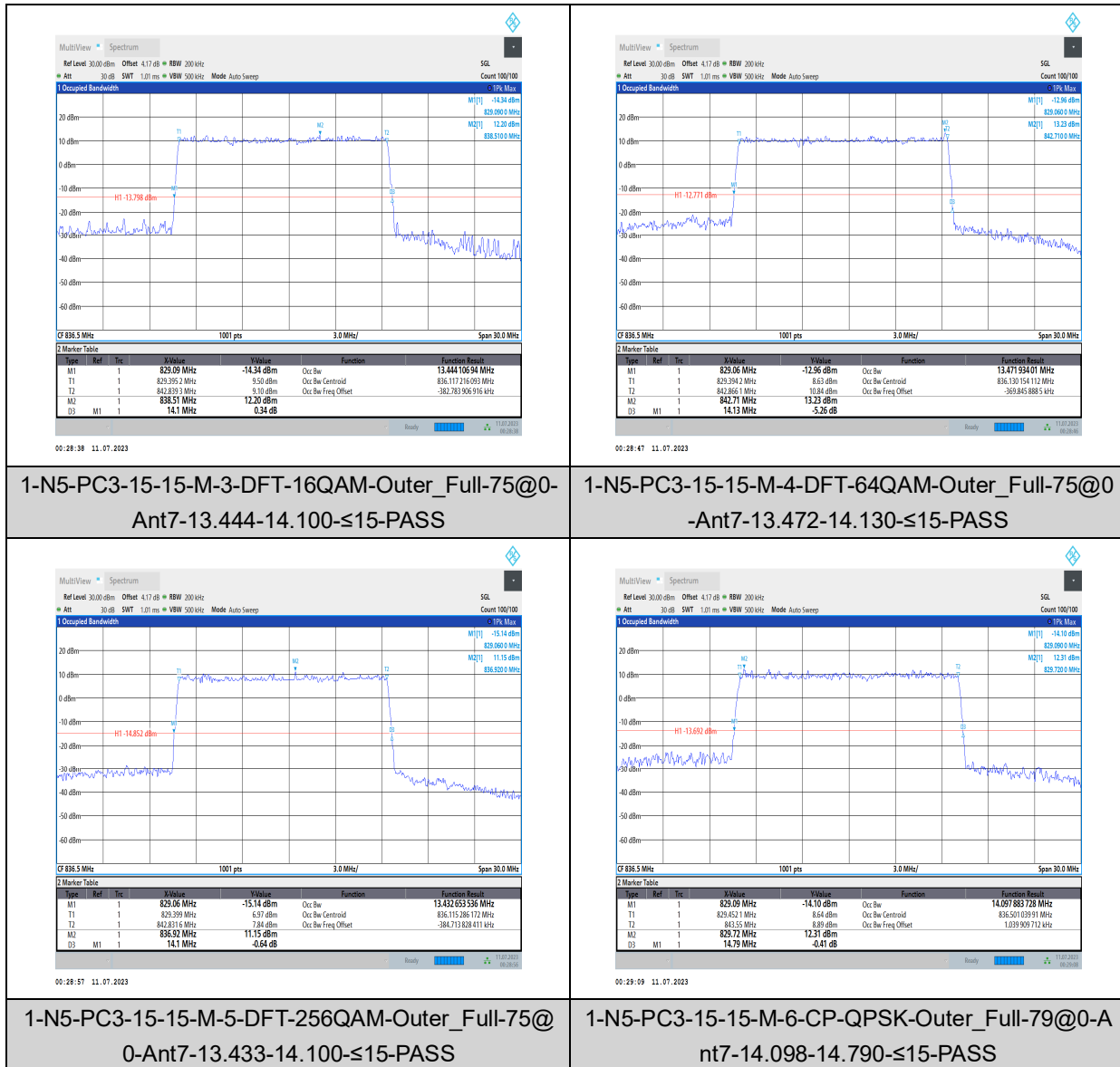
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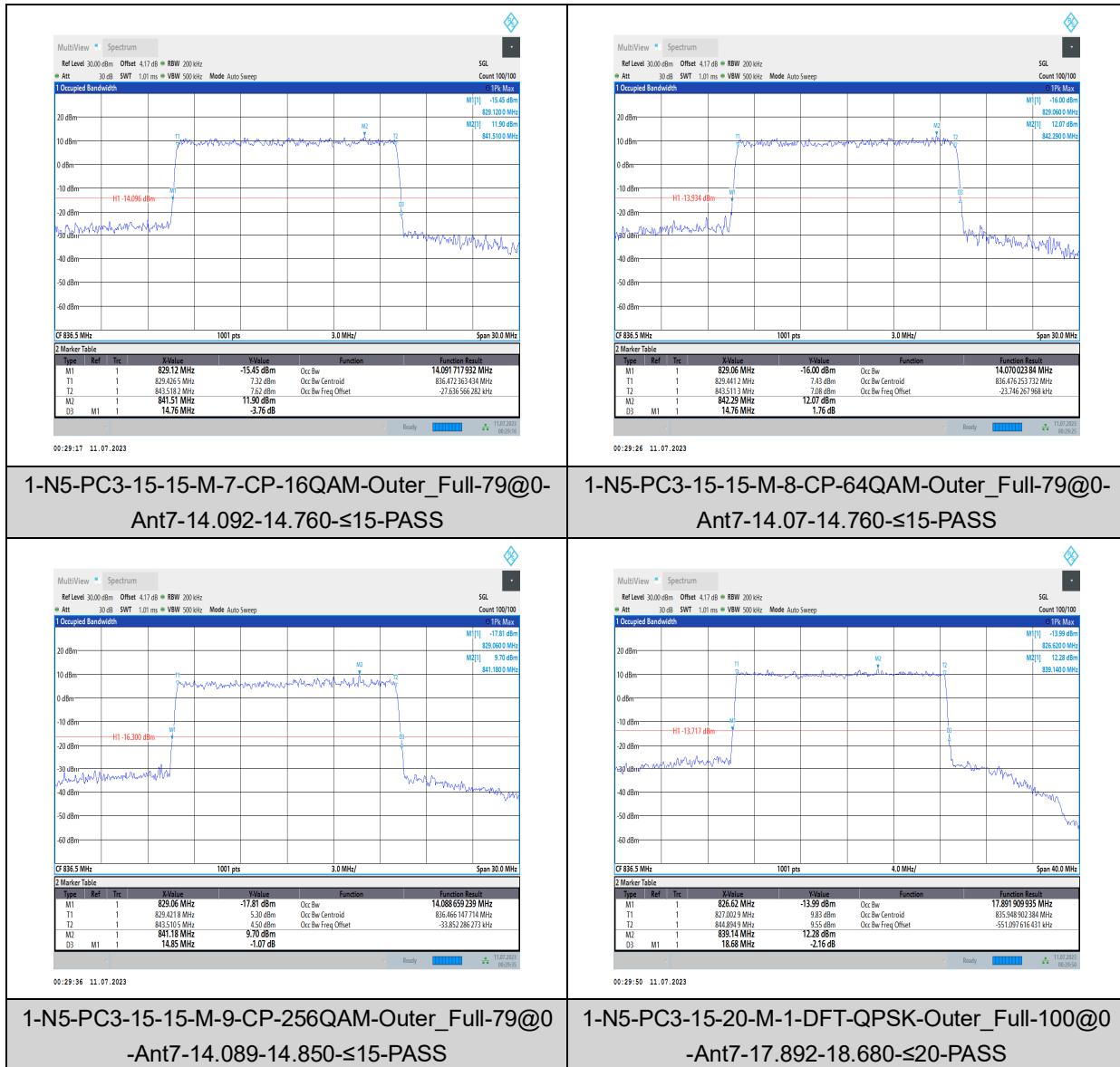
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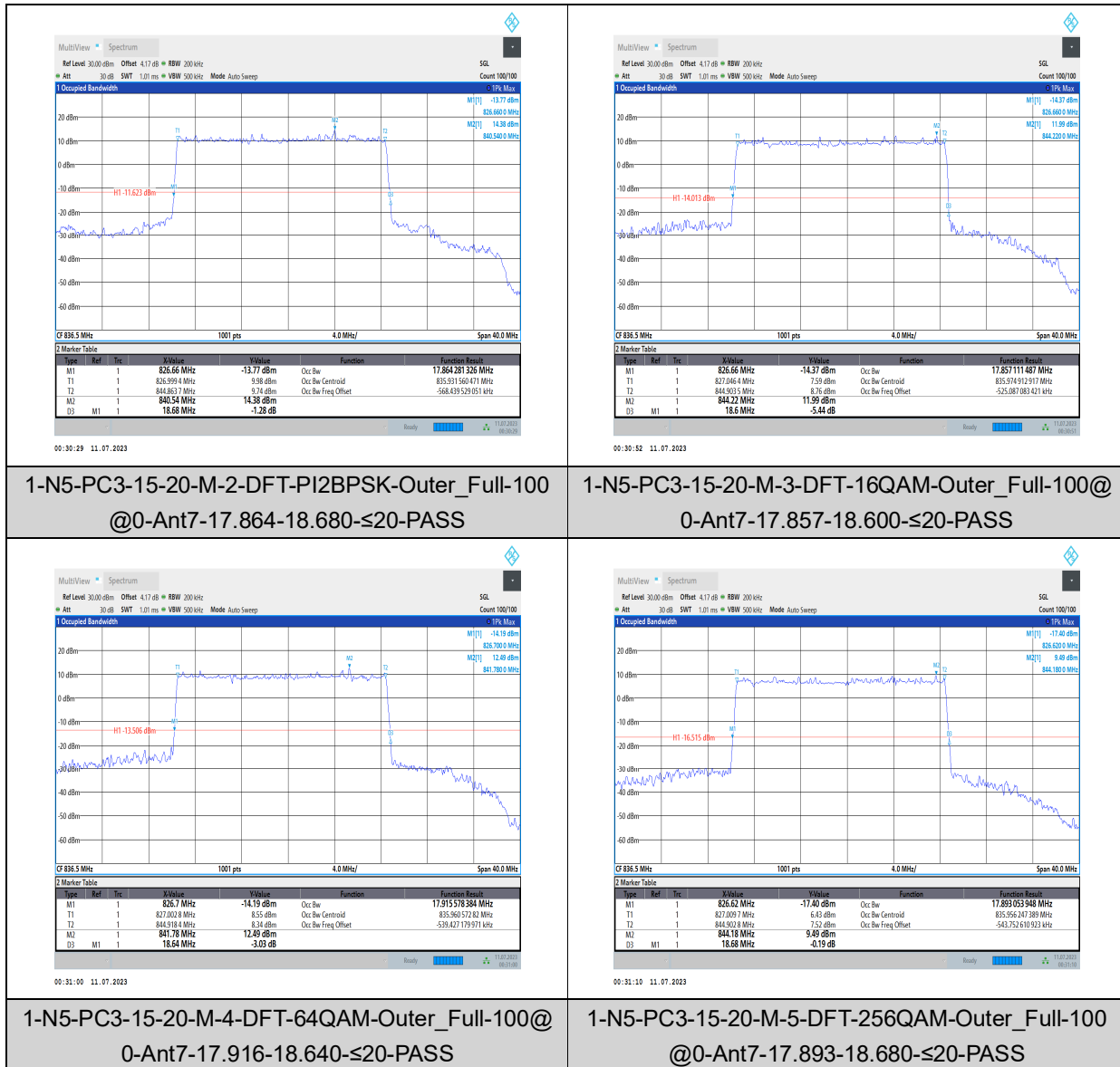
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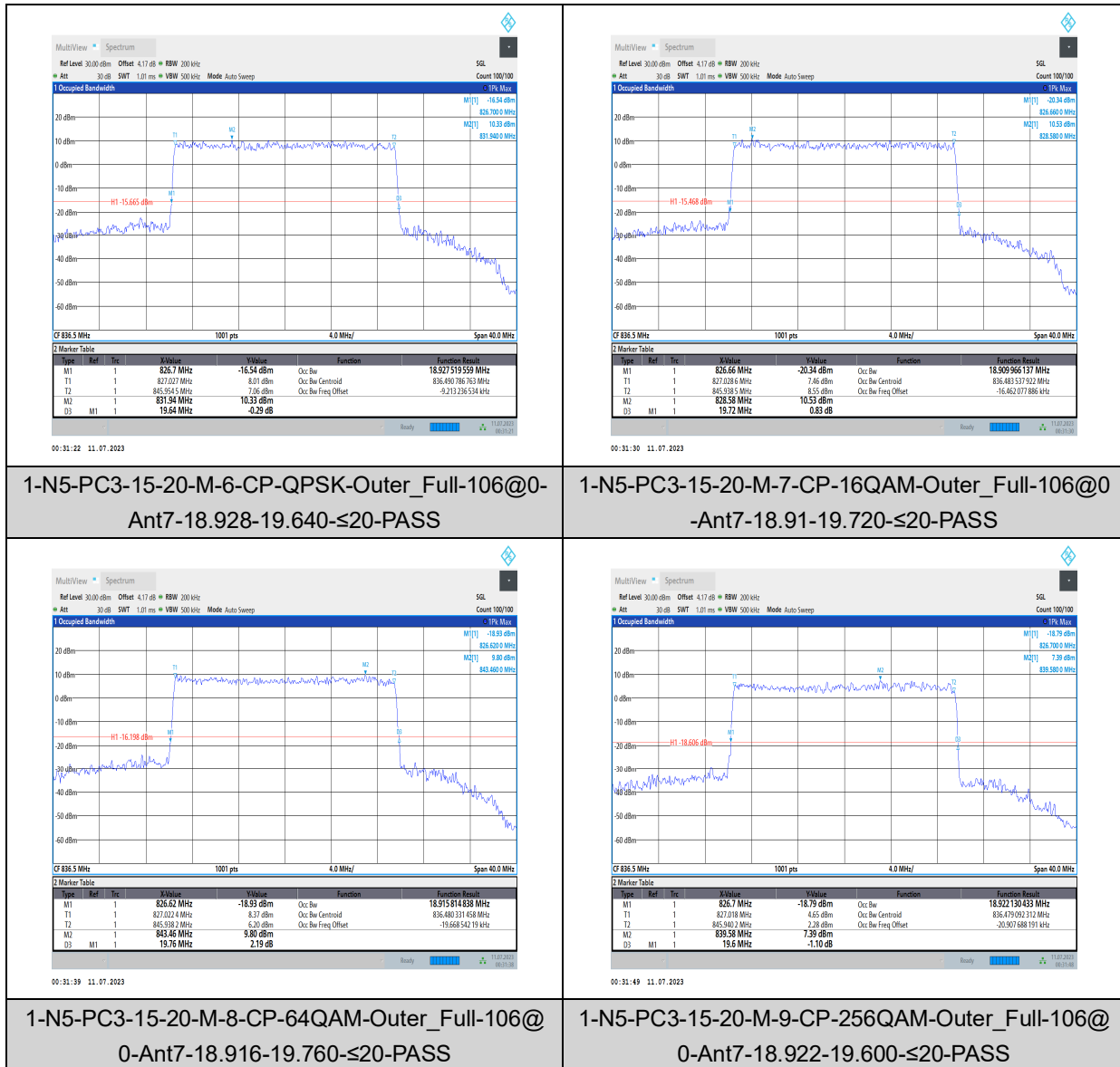
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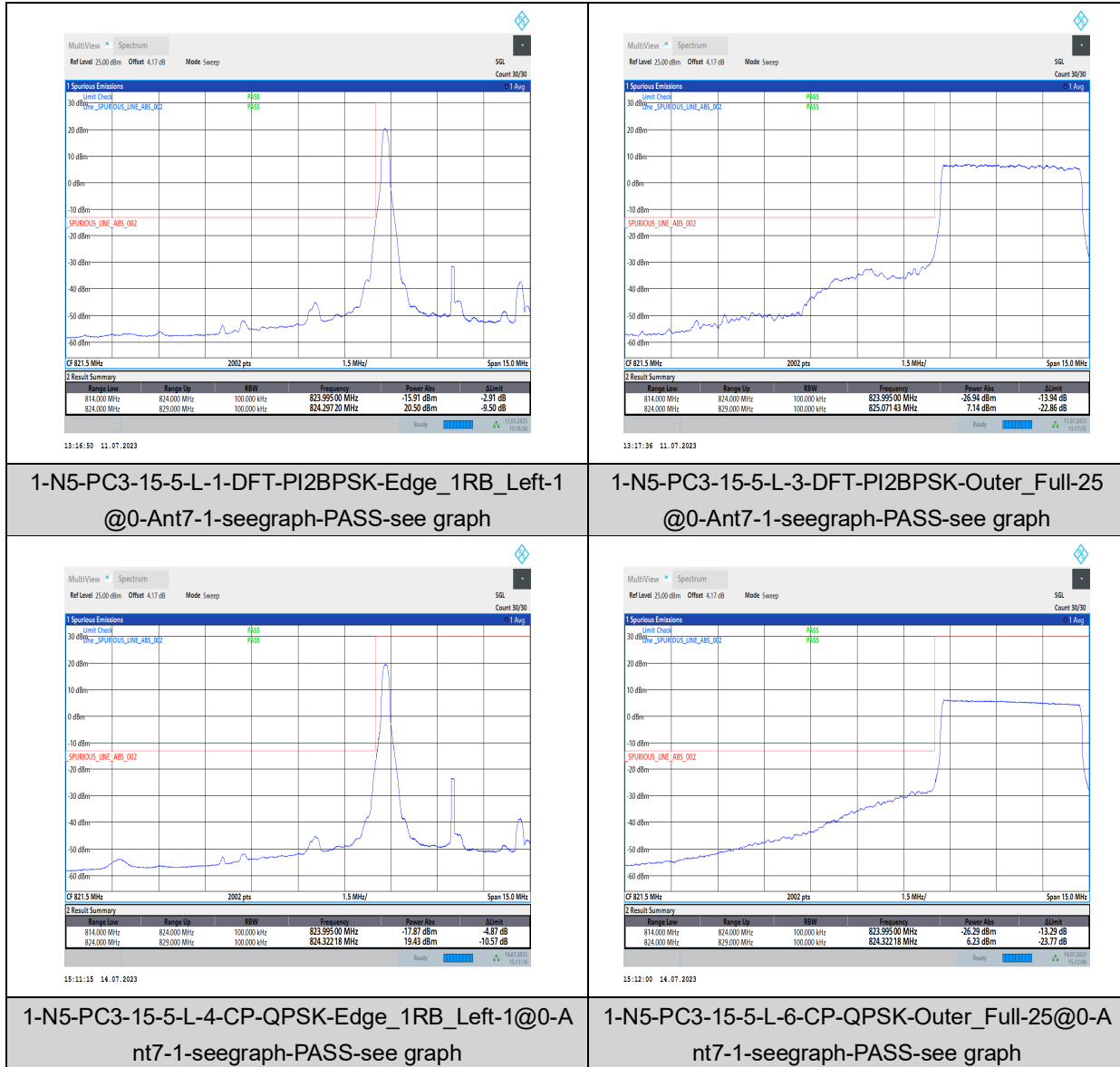
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Band Edge for SA

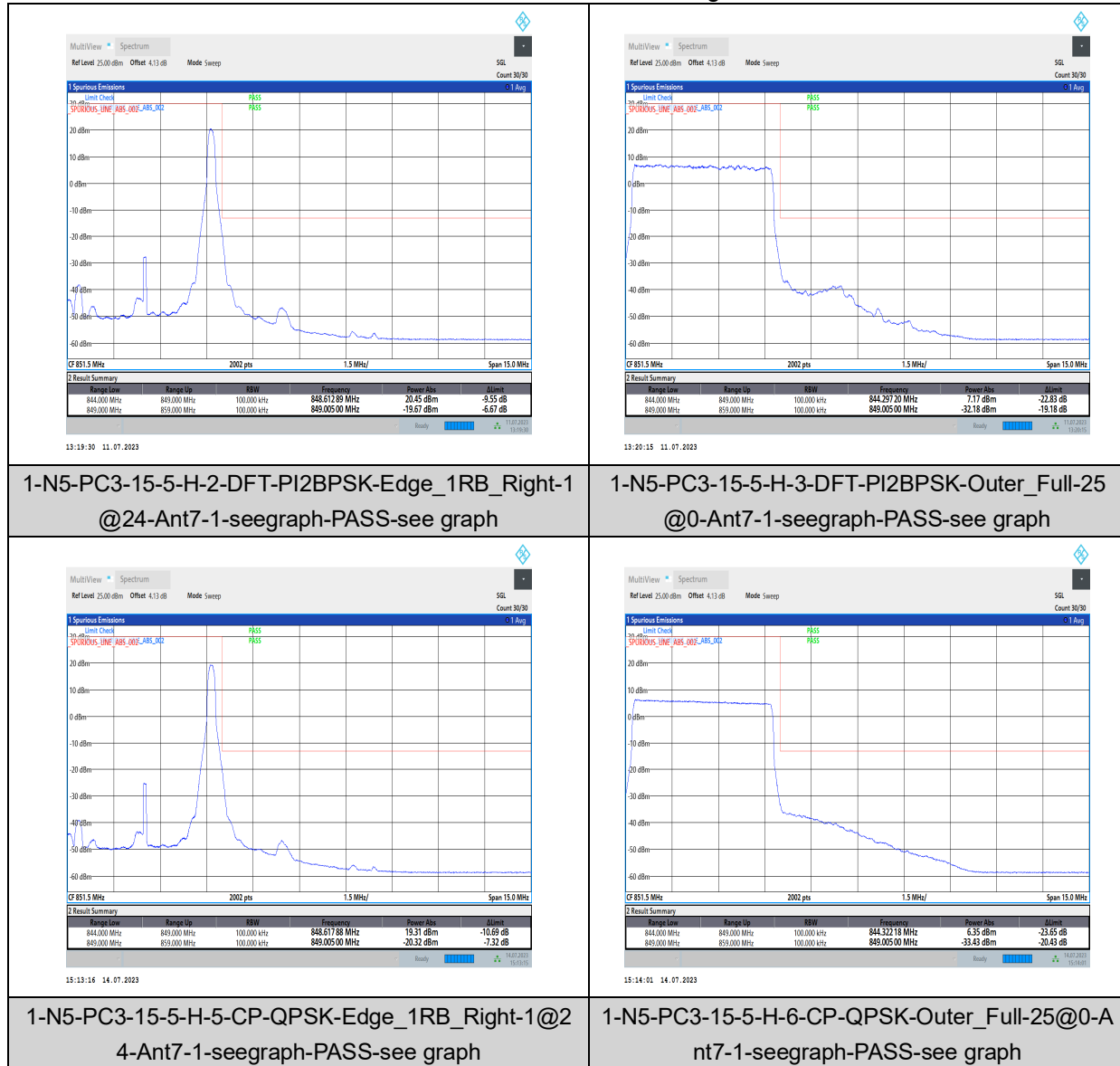
Test Graphs



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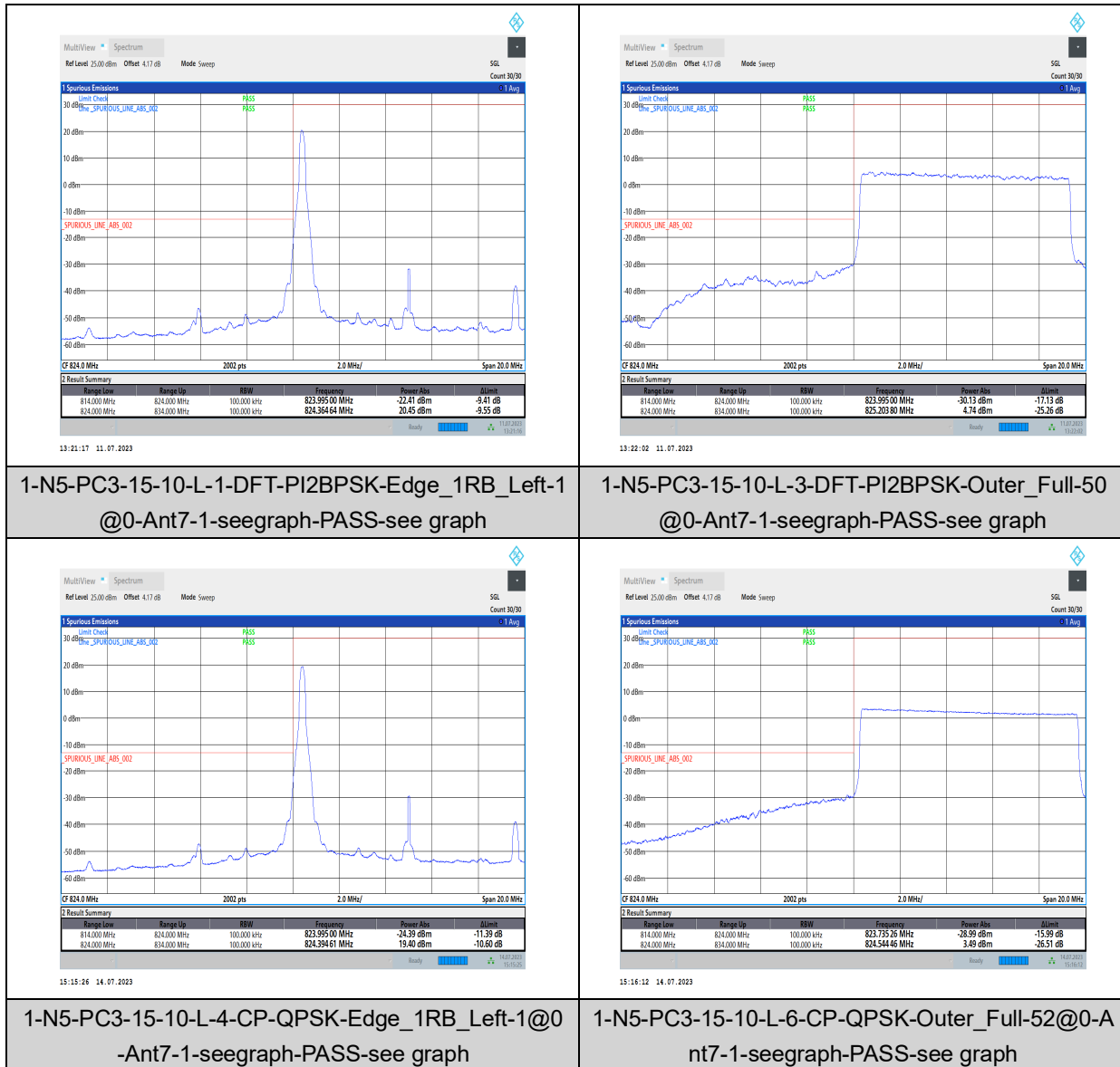
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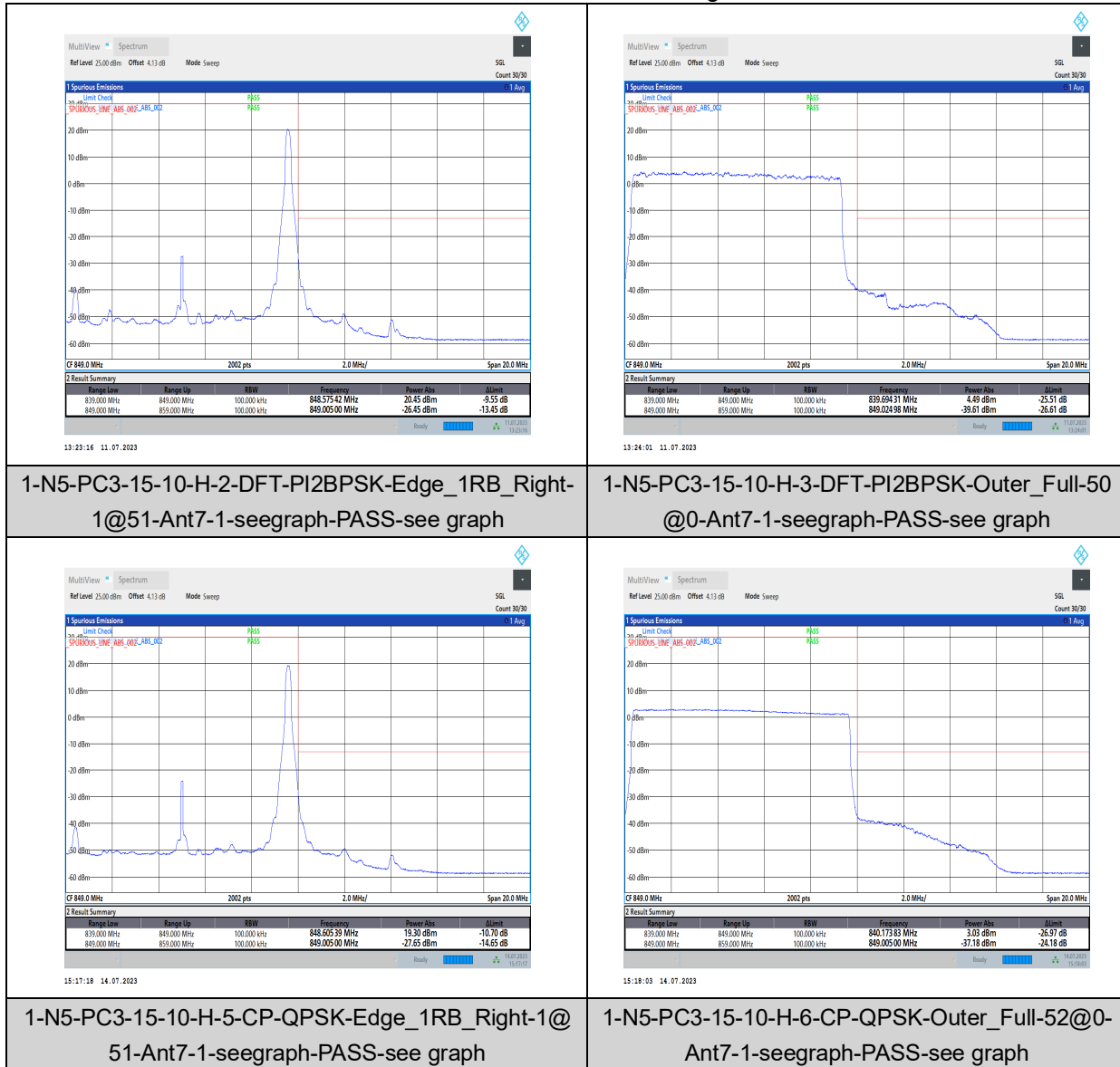
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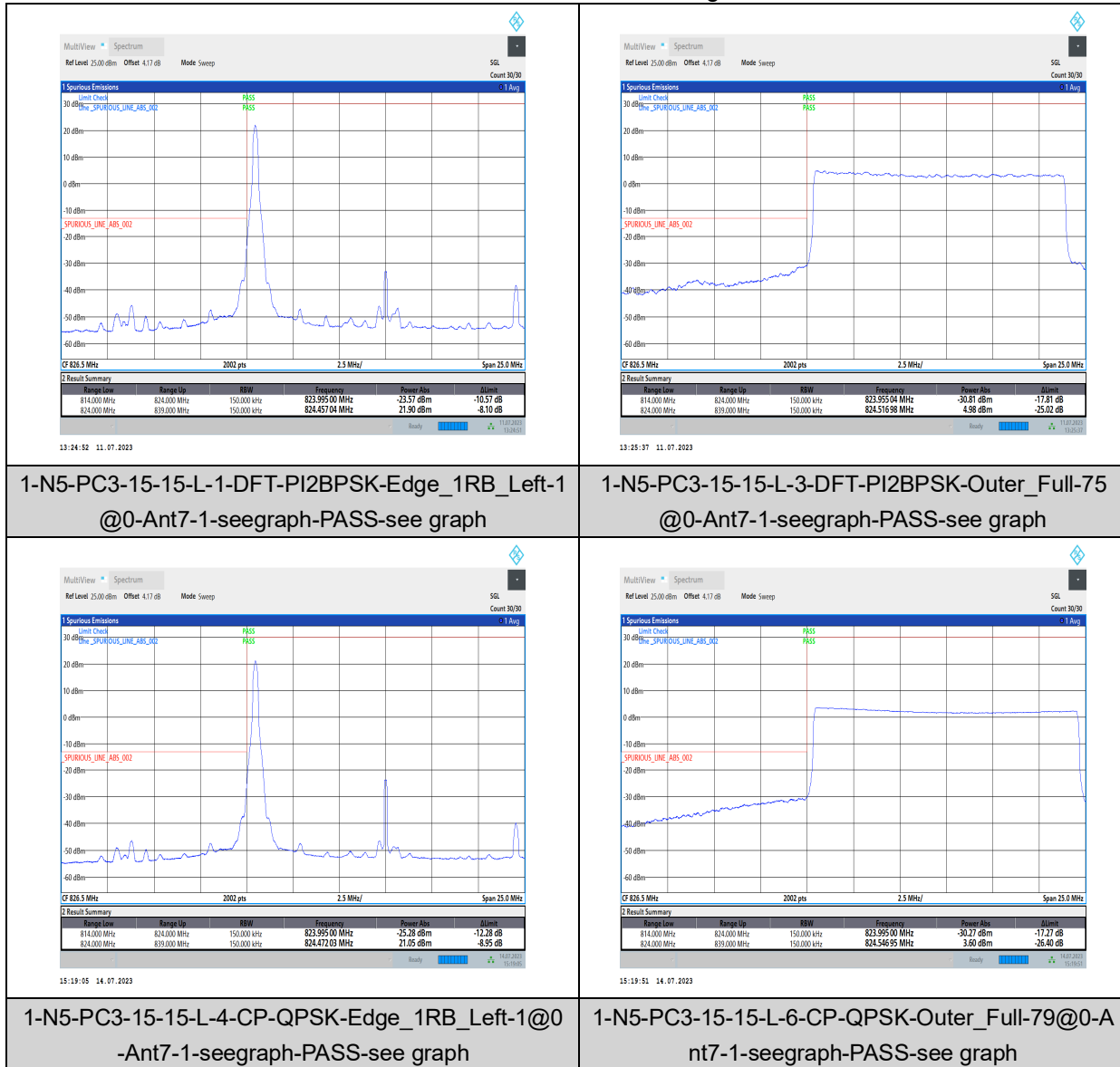
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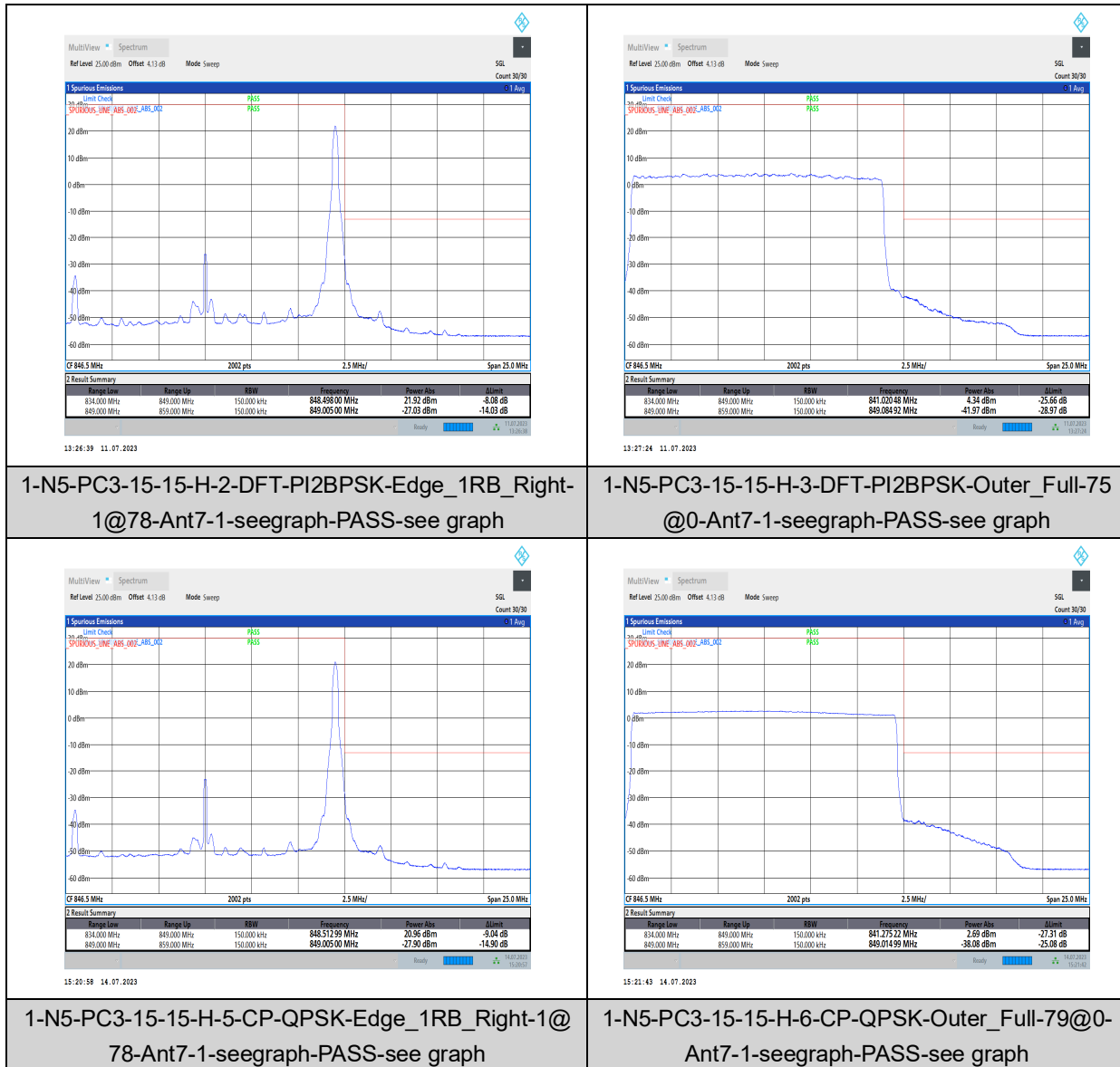
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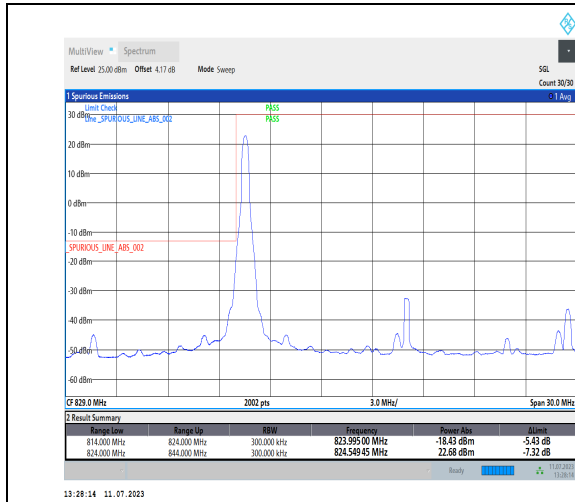
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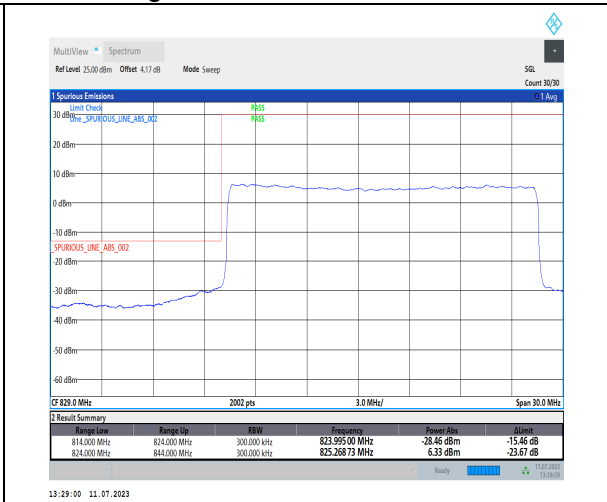
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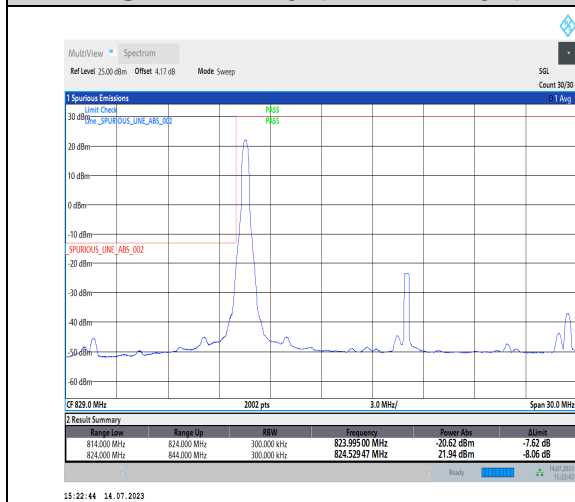
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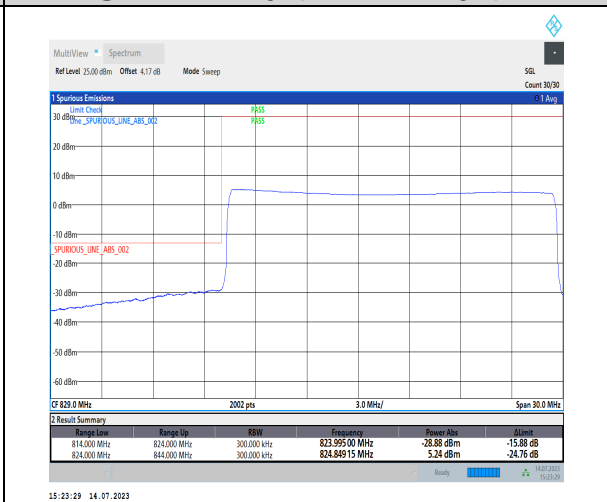
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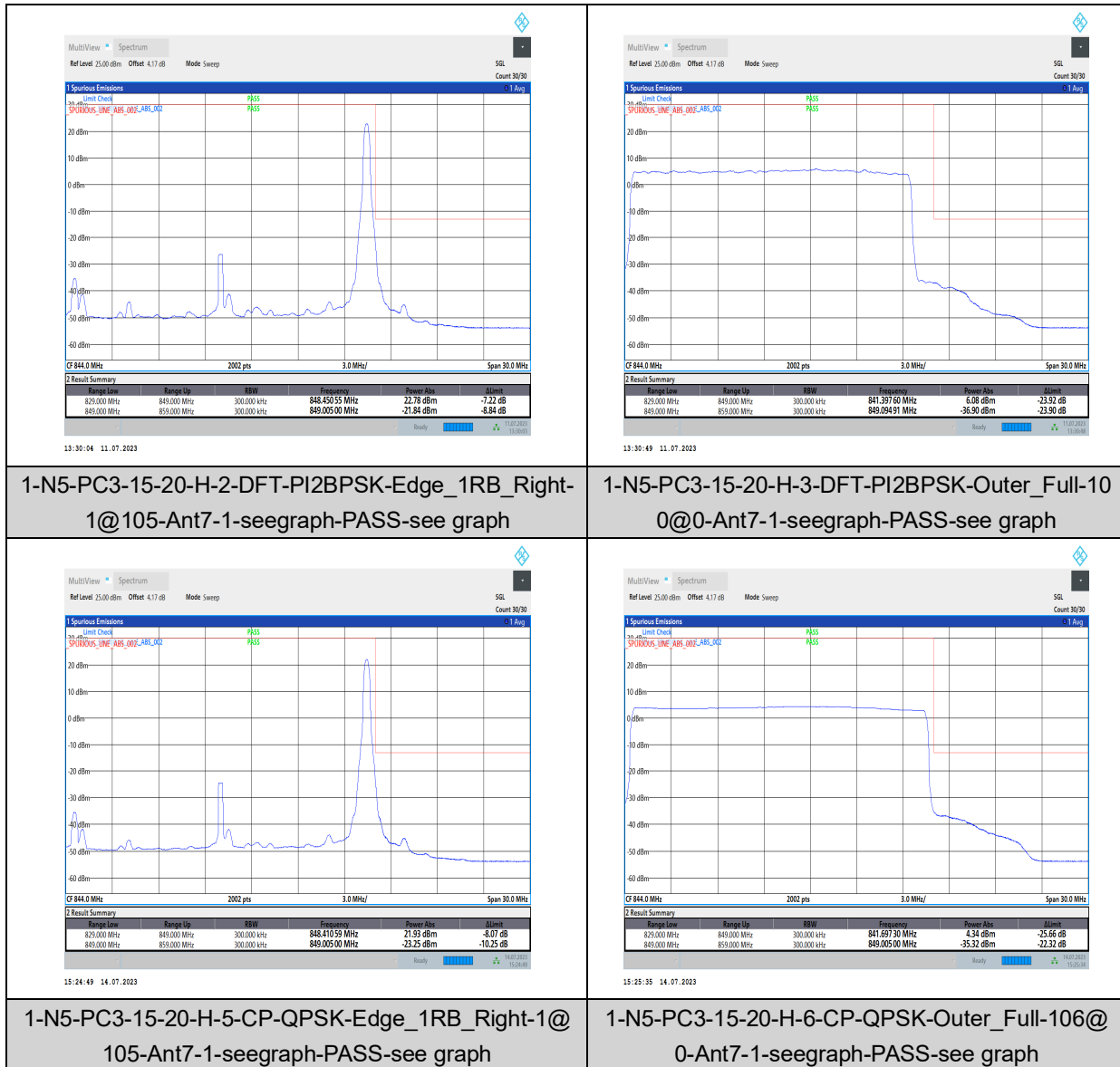
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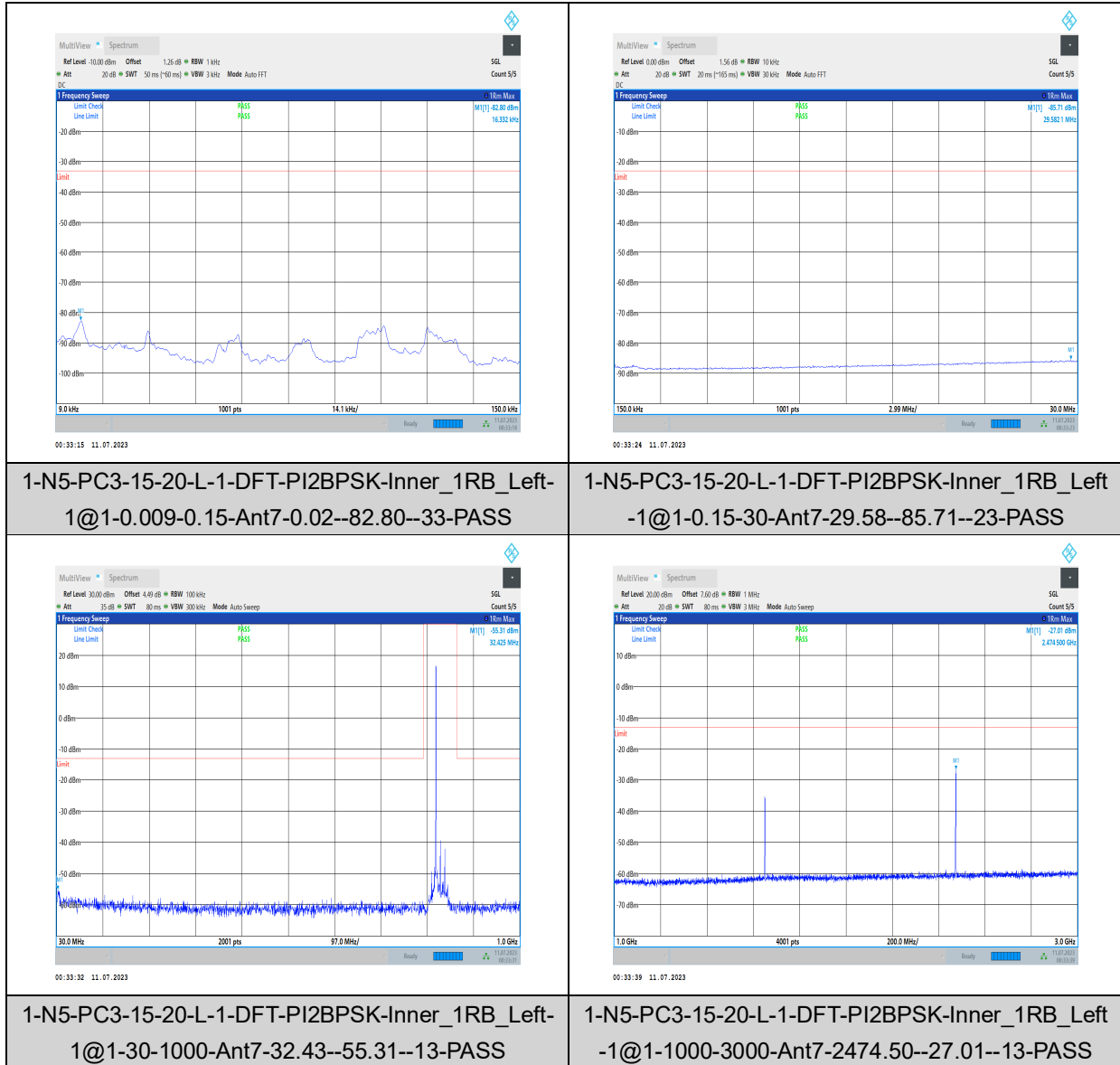
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Conducted Spurious Emission for SA

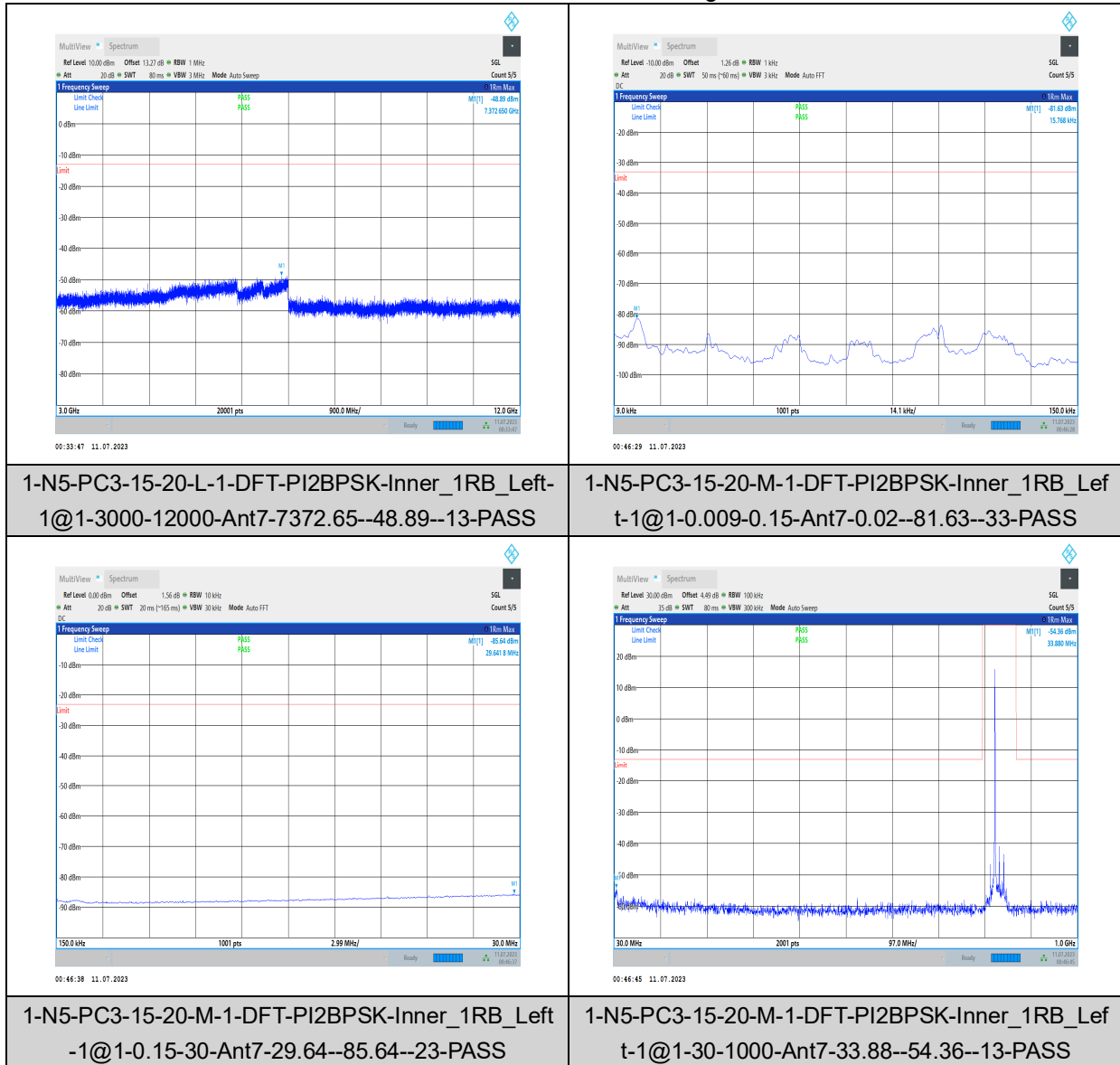
Test Graphs



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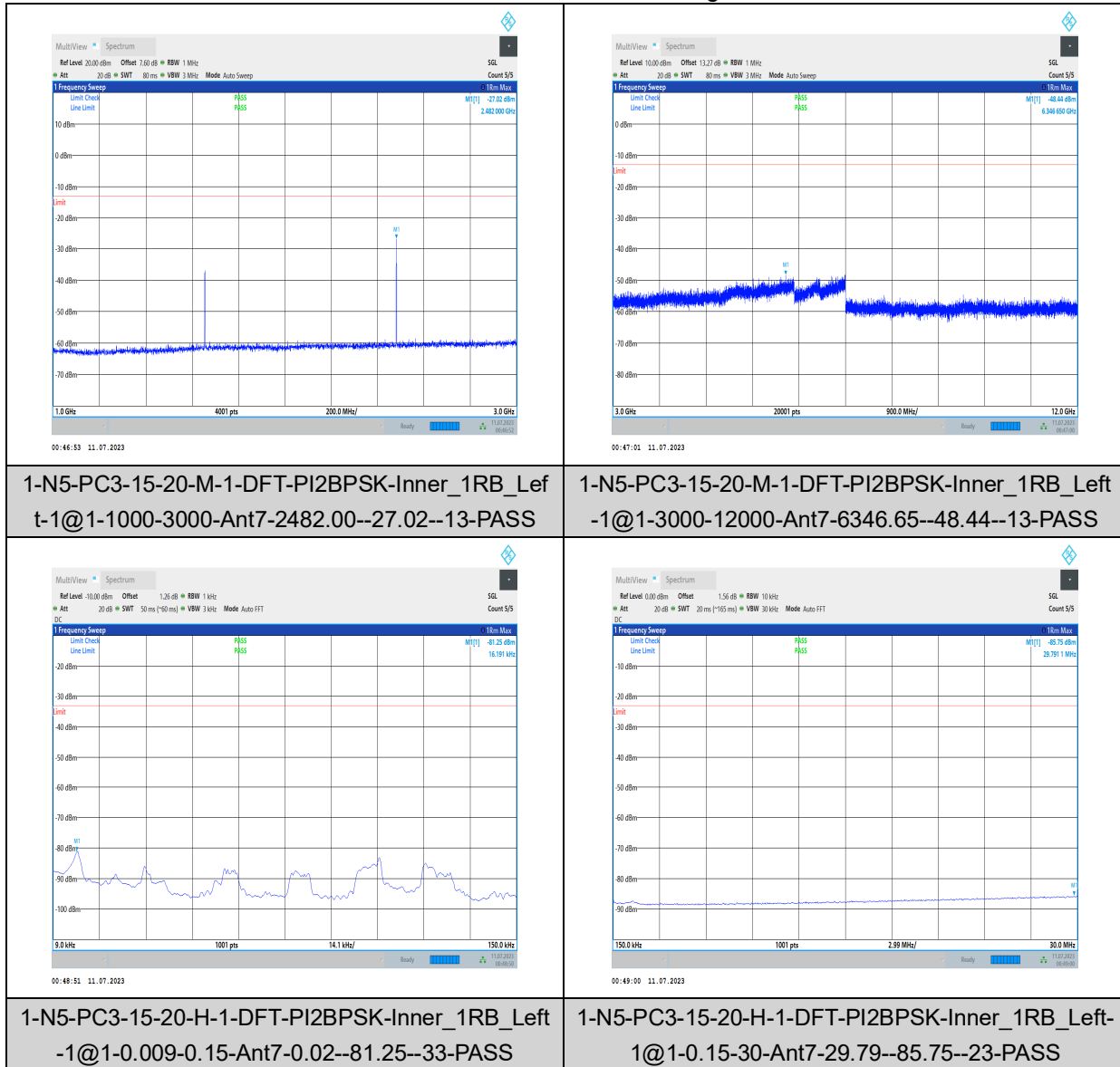
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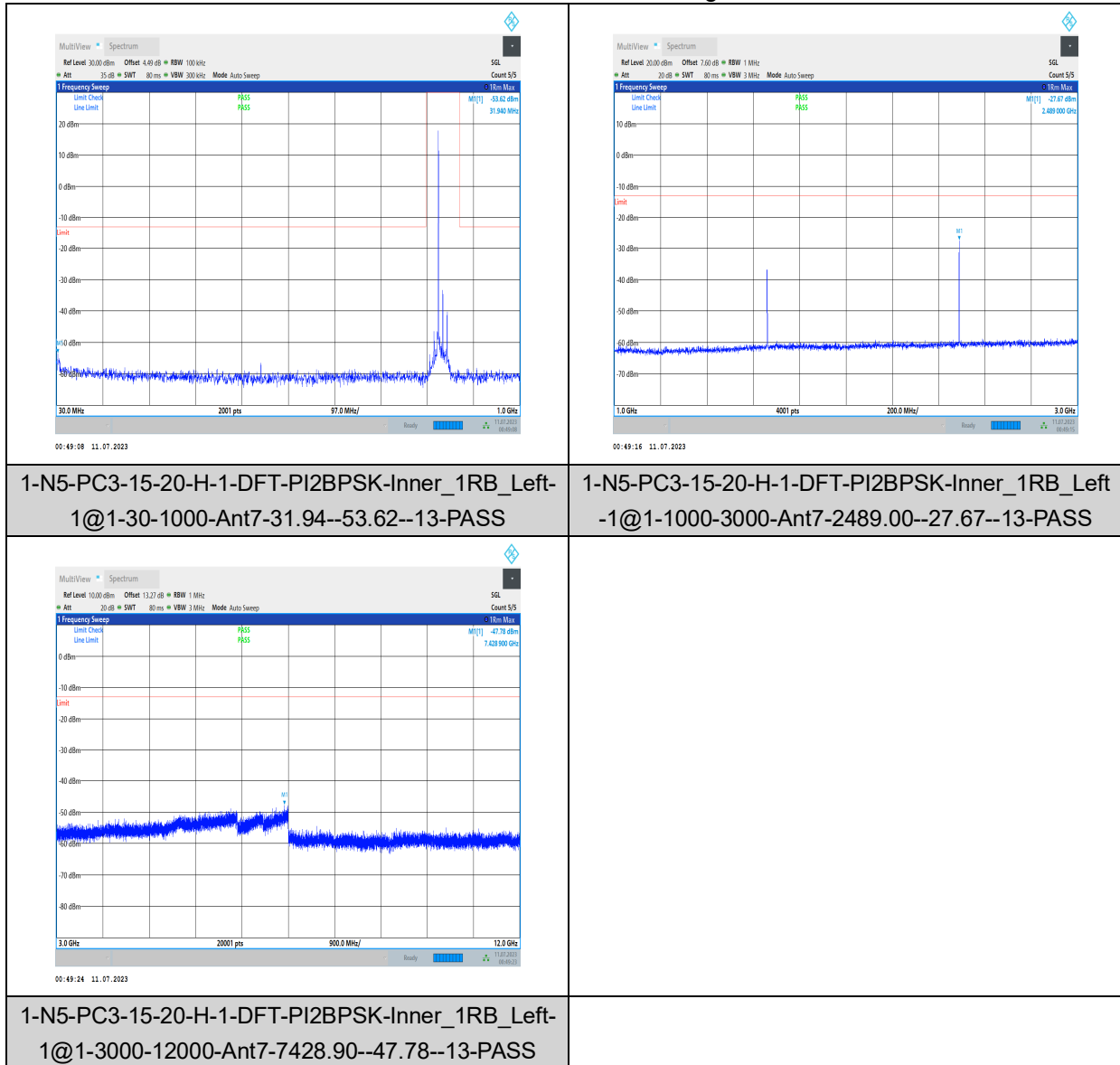
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Field Strength of Spurious Radiation

Test Band = NR Band5_ TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.1800	41.93	-48.22	25.28	-76.27	-13.00	63.27	Horizontal
2	2475.2700	41.02	-47.31	27.23	-74.32	-13.00	61.32	Horizontal
3	3300.3600	42.84	-46.68	28.48	-70.62	-13.00	57.62	Horizontal
4	4125.4500	40.69	-45.92	29.40	-71.08	-13.00	58.08	Horizontal
5	4950.5400	40.52	-45.70	31.29	-69.15	-13.00	56.15	Horizontal
6	5775.6300	39.26	-44.64	32.66	-67.98	-13.00	54.98	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.1800	43.19	-48.22	25.28	-75.01	-13.00	62.01	Vertical
2	2475.2700	42.72	-47.31	27.23	-72.62	-13.00	59.62	Vertical
3	3300.3600	41.99	-46.68	28.48	-71.47	-13.00	58.47	Vertical
4	4125.4500	40.93	-45.92	29.40	-70.84	-13.00	57.84	Vertical
5	4950.5400	41.42	-45.70	31.29	-68.25	-13.00	55.25	Vertical
6	5775.6300	39.11	-44.64	32.66	-68.13	-13.00	55.13	Vertical



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Test Band = NR Band5_ TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.1800	42.08	-48.21	25.28	-76.11	-13.00	63.11	Horizontal
2	2482.7700	41.97	-47.30	27.25	-73.34	-13.00	60.34	Horizontal
3	3310.3600	42.23	-46.66	28.49	-71.21	-13.00	58.21	Horizontal
4	4137.9500	40.67	-45.92	29.43	-71.08	-13.00	58.08	Horizontal
5	4965.5400	41.61	-45.73	31.32	-68.06	-13.00	55.06	Horizontal
6	5793.1300	39.34	-44.65	32.66	-67.92	-13.00	54.92	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.1800	43.33	-48.21	25.28	-74.86	-13.00	61.86	Vertical
2	2482.7700	42.40	-47.30	27.25	-72.91	-13.00	59.91	Vertical
3	3310.3600	42.31	-46.66	28.49	-71.13	-13.00	58.13	Vertical
4	4137.9500	40.69	-45.92	29.43	-71.06	-13.00	58.06	Vertical
5	4965.5400	40.98	-45.73	31.32	-68.69	-13.00	55.69	Vertical
6	5793.1300	39.02	-44.65	32.66	-68.24	-13.00	55.24	Vertical



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Test Band = NR Band5_ TM1

Test Channel = High

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.1800	41.94	-48.21	25.29	-76.24	-13.00	63.24	Horizontal
2	2490.2700	41.54	-47.29	27.27	-73.73	-13.00	60.73	Horizontal
3	3320.3600	43.20	-46.65	28.49	-70.22	-13.00	57.22	Horizontal
4	4150.4500	41.10	-45.93	29.46	-70.63	-13.00	57.63	Horizontal
5	4980.5400	40.30	-45.77	31.36	-69.37	-13.00	56.37	Horizontal
6	5810.6300	39.84	-44.69	32.66	-67.45	-13.00	54.45	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.1800	43.95	-48.21	25.29	-74.23	-13.00	61.23	Vertical
2	2490.2700	42.22	-47.29	27.27	-73.05	-13.00	60.05	Vertical
3	3320.3600	42.26	-46.65	28.49	-71.16	-13.00	58.16	Vertical
4	4150.4500	40.51	-45.93	29.46	-71.22	-13.00	58.22	Vertical
5	4980.5400	41.17	-45.77	31.36	-68.50	-13.00	55.50	Vertical
6	5810.6300	39.42	-44.69	32.66	-67.87	-13.00	54.87	Vertical



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Test Band = NSA 2A_N5A_TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1488.5714	43.44	-48.28	25.14	-74.96	-13.00	61.96	Horizontal
2	1932	43.39	-48.00	25.76	-74.11	-13.00	61.11	Horizontal
3	3189.1429	43.46	-46.34	28.41	-69.73	-13.00	56.73	Horizontal
4	4594.2857	41.38	-45.78	30.51	-69.15	-13.00	56.15	Horizontal
5	5718.8571	40.68	-44.59	32.64	-66.52	-13.00	53.52	Horizontal
6	7659.4286	38.54	-43.18	36.66	-63.24	-13.00	50.24	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1501.7143	44.37	-48.32	25.15	-74.06	-13.00	61.06	Vertical
2	1980.5714	43.79	-47.93	25.86	-73.54	-13.00	60.54	Vertical
3	2996	43.24	-46.52	28.29	-70.25	-13.00	57.25	Vertical
4	4587.4286	41.56	-45.77	30.49	-68.97	-13.00	55.97	Vertical
5	6600.5714	40.33	-44.49	34.48	-64.94	-13.00	51.94	Vertical
6	7860	38.00	-42.71	36.74	-63.23	-13.00	50.23	Vertical



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Test Band = NSA 2A_N5A_ TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1279.4286	44.00	-48.22	25.16	-74.32	-13.00	61.32	Horizontal
2	1763.4286	44.21	-48.03	25.45	-73.63	-13.00	60.63	Horizontal
3	3188.5714	43.15	-46.34	28.41	-70.04	-13.00	57.04	Horizontal
4	4274.2857	41.95	-45.83	29.76	-69.38	-13.00	56.38	Horizontal
5	5422.2857	40.95	-45.01	32.41	-66.90	-13.00	53.90	Horizontal
6	7361.1429	38.20	-43.34	36.21	-64.19	-13.00	51.19	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1404.5714	44.41	-48.01	25.10	-73.76	-13.00	60.76	Vertical
2	1711.4286	44.56	-48.14	25.37	-73.47	-13.00	60.47	Vertical
3	2169.1429	43.86	-47.69	26.37	-72.72	-13.00	59.72	Vertical
4	2994.2857	43.32	-46.52	28.29	-70.17	-13.00	57.17	Vertical
5	4061.1429	42.08	-46.02	29.25	-69.95	-13.00	56.95	Vertical
6	5909.1429	40.92	-44.92	32.68	-66.58	-13.00	53.58	Vertical



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Test Band = NSA 2A_N5A_ TM1

Test Channel = High

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1333.1429	44.09	-48.09	25.13	-74.12	-13.00	61.12	Horizontal
2	1618.8571	43.88	-48.26	25.23	-74.41	-13.00	61.41	Horizontal
3	2091.4286	43.89	-47.73	26.16	-72.94	-13.00	59.94	Horizontal
4	3194.2857	43.31	-46.32	28.42	-69.85	-13.00	56.85	Horizontal
5	4141.7143	41.95	-45.93	29.44	-69.79	-13.00	56.79	Horizontal
6	4589.7143	41.64	-45.77	30.50	-68.89	-13.00	55.89	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1315.4286	45.11	-48.11	25.14	-73.12	-13.00	60.12	Vertical
2	1620	44.69	-48.26	25.23	-73.60	-13.00	60.60	Vertical
3	1952.5714	44.07	-47.97	25.81	-73.36	-13.00	60.36	Vertical
4	3220.5714	43.10	-46.37	28.43	-70.10	-13.00	57.10	Vertical
5	4004	42.66	-46.19	29.11	-69.68	-13.00	56.68	Vertical
6	5733.7143	40.64	-44.60	32.65	-66.57	-13.00	53.57	Vertical



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Test Band = NSA 66A_N5A_TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1306.8571	44.18	-48.12	25.15	-74.05	-13.00	61.05	Horizontal
2	1900	43.97	-48.05	25.70	-73.64	-13.00	60.64	Horizontal
3	2878.8571	43.14	-46.64	28.06	-70.71	-13.00	57.71	Horizontal
4	4102.2857	41.88	-45.90	29.35	-69.94	-13.00	56.94	Horizontal
5	5707.4286	40.19	-44.58	32.64	-67.01	-13.00	54.01	Horizontal
6	7110.8571	39.66	-44.18	35.51	-64.27	-13.00	51.27	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1405.7143	44.67	-48.02	25.10	-73.51	-13.00	60.51	Vertical
2	1794.2857	43.94	-47.96	25.49	-73.79	-13.00	60.79	Vertical
3	2297.1429	43.62	-47.51	26.73	-72.41	-13.00	59.41	Vertical
4	3501.7143	43.08	-46.54	28.60	-70.11	-13.00	57.11	Vertical
5	4611.4286	42.39	-45.79	30.55	-68.12	-13.00	55.12	Vertical
6	5444.5714	41.27	-45.05	32.47	-66.57	-13.00	53.57	Vertical



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Test Band = NSA 66A_N5A_TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1316	43.92	-48.11	25.14	-74.31	-13.00	61.31	Horizontal
2	1747.4286	43.94	-48.06	25.42	-73.96	-13.00	60.96	Horizontal
3	2239.4286	43.95	-47.61	26.57	-72.35	-13.00	59.35	Horizontal
4	3321.7143	43.10	-46.65	28.49	-70.32	-13.00	57.32	Horizontal
5	4593.1429	41.64	-45.78	30.50	-68.89	-13.00	55.89	Horizontal
6	5405.7143	41.04	-44.98	32.37	-66.83	-13.00	53.83	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1280	45.02	-48.22	25.16	-73.30	-13.00	60.30	Vertical
2	1636	44.43	-48.24	25.25	-73.81	-13.00	60.81	Vertical
3	2198.2857	44.13	-47.68	26.46	-72.36	-13.00	59.36	Vertical
4	3112.5714	43.73	-46.69	28.37	-69.85	-13.00	56.85	Vertical
5	4109.1429	42.12	-45.91	29.36	-69.68	-13.00	56.68	Vertical
6	4873.1429	42.07	-45.60	31.12	-67.67	-13.00	54.67	Vertical



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Test Band = NSA 66A_N5A_TM1

Test Channel = High

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1455.4286	44.84	-48.18	25.13	-73.47	-13.00	60.47	Horizontal
2	1750.2857	44.36	-48.05	25.43	-73.53	-13.00	60.53	Horizontal
3	2089.7143	43.64	-47.73	26.15	-73.20	-13.00	60.20	Horizontal
4	3180.5714	43.27	-46.38	28.41	-69.96	-13.00	56.96	Horizontal
5	4288.5714	41.82	-45.80	29.79	-69.45	-13.00	56.45	Horizontal
6	6245.7143	40.48	-44.76	33.49	-66.06	-13.00	53.06	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1359.4286	45.03	-48.05	25.12	-73.16	-13.00	60.16	Vertical
2	1854.8571	44.14	-48.00	25.61	-73.52	-13.00	60.52	Vertical
3	2324	43.79	-47.49	26.81	-72.15	-13.00	59.15	Vertical
4	3660	42.86	-46.23	28.76	-69.87	-13.00	56.87	Vertical
5	4887.4286	42.45	-45.59	31.15	-67.25	-13.00	54.25	Vertical
6	6496.5714	40.69	-44.65	34.29	-64.93	-13.00	51.93	Vertical



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Test Band = NR N2A_N5A_ TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7572	37.77	-42.99	36.63	-63.85	-13.00	50.85	Horizontal
2	8472	36.21	-41.57	36.56	-64.06	-13.00	51.06	Horizontal
3	9639.75	32.57	-39.58	37.52	-64.75	-13.00	51.75	Horizontal
4	10671	29.21	-38.05	38.54	-65.57	-13.00	52.57	Horizontal
5	11378.25	28.72	-37.38	38.74	-65.18	-13.00	52.18	Horizontal
6	12830.25	26.74	-36.91	39.05	-66.39	-13.00	53.39	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4455	41.20	-45.76	30.19	-69.63	-13.00	56.63	Vertical
2	5957.25	40.37	-44.89	32.69	-67.09	-13.00	54.09	Vertical
3	7431	38.82	-43.33	36.41	-63.36	-13.00	50.36	Vertical
4	8407.5	37.05	-41.46	36.60	-63.08	-13.00	50.08	Vertical
5	11319.75	28.89	-37.41	38.73	-65.05	-13.00	52.05	Vertical
6	12798.75	26.87	-36.83	39.04	-66.18	-13.00	53.18	Vertical



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Test Band = NR N2A_N5A_ TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3642.75	41.48	-45.86	28.74	-70.90	-13.00	57.90	Horizontal
2	5381.25	40.13	-45.26	32.32	-68.08	-13.00	55.08	Horizontal
3	5688	41.02	-44.88	32.64	-66.48	-13.00	53.48	Horizontal
4	7548	37.69	-43.04	36.62	-63.99	-13.00	50.99	Horizontal
5	9466.5	33.91	-40.10	37.19	-64.26	-13.00	51.26	Horizontal
6	13841.25	25.90	-36.01	40.61	-64.75	-13.00	51.75	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3486	42.59	-46.26	28.59	-70.34	-13.00	57.34	Vertical
2	4594.5	40.80	-45.67	30.51	-69.62	-13.00	56.62	Vertical
3	5271	39.68	-45.15	32.05	-68.67	-13.00	55.67	Vertical
4	6617.25	39.51	-44.26	34.51	-65.50	-13.00	52.50	Vertical
5	7543.5	37.90	-43.05	36.62	-63.79	-13.00	50.79	Vertical
6	10010.25	31.19	-39.23	38.21	-65.09	-13.00	52.09	Vertical



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Test Band = NR N2A_N5A_ TM1

Test Channel = High

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4103.25	41.43	-45.76	29.35	-70.24	-13.00	57.24	Horizontal
2	5258.25	39.99	-45.17	32.02	-68.42	-13.00	55.42	Horizontal
3	6325.5	39.25	-44.51	33.74	-66.78	-13.00	53.78	Horizontal
4	7252.5	38.21	-43.59	35.91	-64.74	-13.00	51.74	Horizontal
5	8403	36.53	-41.46	36.60	-63.59	-13.00	50.59	Horizontal
6	10706.25	28.12	-37.93	38.55	-66.51	-13.00	53.51	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3651.75	41.33	-45.80	28.75	-70.98	-13.00	57.98	Vertical
2	4879.5	41.60	-45.53	31.13	-68.06	-13.00	55.06	Vertical
3	6344.25	39.19	-44.48	33.80	-66.75	-13.00	53.75	Vertical
4	7179	38.29	-43.59	35.70	-64.85	-13.00	51.85	Vertical
5	8480.25	35.84	-41.59	36.56	-64.45	-13.00	51.45	Vertical
6	11246.25	28.95	-37.40	38.72	-64.99	-13.00	51.99	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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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)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.600000	-0.004256	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.200000	-0.002354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.200000	-0.003621	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-6.100000	-0.002239	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-5.500000	-0.003212	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-5.400000	-0.006357	±2.5	PASS

Frequency Error VS. Temperature

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-7.500000	-0.006587	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-6.700000	-0.008125	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.900000	-0.008654	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.600000	-0.002126	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-7.400000	-0.006354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-4.200000	-0.005487	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.600000	-0.006354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.300000	-0.006354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.200000	-0.006574	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-6.200000	-0.003654	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-3.900000	-0.002241	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-3.300000	-0.005023	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	-2.600000	-0.003254	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-6.600000	-0.005234	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-3.700000	-0.006315	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-4.400000	-0.006354	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-6.300000	-0.005634	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-4.700000	-0.004596	±2.5	PASS

---End of Attachment---



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