

Report No.: SEWM2311000447RG02

Rev.: 01

Page: 1 of 52

# Appendix B.21

## NR Band n7



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

Ant31

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N7	15	5	DFT-QPSK	L	Inner_1RB_Left	23.63	23.89	33.00	PASS
N7	15	5	DFT-16QAM	L	Inner_1RB_Left	22.55	22.81	33.00	PASS
N7	15	5	DFT-QPSK	M	Inner_1RB_Left	23.65	23.91	33.00	PASS
N7	15	5	DFT-16QAM	M	Inner_1RB_Left	22.53	22.79	33.00	PASS
N7	15	5	DFT-QPSK	H	Inner_1RB_Left	23.55	23.81	33.00	PASS
N7	15	5	DFT-16QAM	H	Inner_1RB_Left	22.42	22.68	33.00	PASS
N7	15	10	DFT-QPSK	L	Inner_1RB_Left	23.58	23.84	33.00	PASS
N7	15	10	DFT-16QAM	L	Inner_1RB_Left	22.63	22.89	33.00	PASS
N7	15	10	DFT-QPSK	M	Inner_1RB_Left	23.68	23.94	33.00	PASS
N7	15	10	DFT-16QAM	M	Inner_1RB_Left	22.61	22.87	33.00	PASS
N7	15	10	DFT-QPSK	H	Inner_1RB_Left	23.49	23.75	33.00	PASS
N7	15	10	DFT-16QAM	H	Inner_1RB_Left	22.36	22.62	33.00	PASS
N7	15	15	DFT-QPSK	L	Inner_1RB_Left	23.81	24.07	33.00	PASS
N7	15	15	DFT-16QAM	L	Inner_1RB_Left	22.73	22.99	33.00	PASS
N7	15	15	DFT-QPSK	M	Inner_1RB_Left	23.78	24.04	33.00	PASS
N7	15	15	DFT-16QAM	M	Inner_1RB_Left	22.62	22.88	33.00	PASS
N7	15	15	DFT-QPSK	H	Inner_1RB_Left	23.58	23.84	33.00	PASS
N7	15	15	DFT-16QAM	H	Inner_1RB_Left	22.42	22.68	33.00	PASS
N7	15	20	DFT-QPSK	L	Inner_1RB_Left	23.66	23.92	33.00	PASS
N7	15	20	DFT-16QAM	L	Inner_1RB_Left	22.70	22.96	33.00	PASS
N7	15	20	DFT-QPSK	M	Inner_1RB_Left	23.65	23.91	33.00	PASS
N7	15	20	DFT-16QAM	M	Inner_1RB_Left	22.63	22.89	33.00	PASS
N7	15	20	DFT-QPSK	H	Inner_1RB_Left	23.49	23.75	33.00	PASS
N7	15	20	DFT-16QAM	H	Inner_1RB_Left	22.37	22.63	33.00	PASS
N7	15	25	DFT-QPSK	L	Inner_1RB_Left	23.69	23.95	33.00	PASS
N7	15	25	DFT-16QAM	L	Inner_1RB_Left	22.68	22.94	33.00	PASS
N7	15	25	DFT-QPSK	M	Inner_1RB_Left	23.73	23.99	33.00	PASS
N7	15	25	DFT-16QAM	M	Inner_1RB_Left	22.70	22.96	33.00	PASS
N7	15	25	DFT-QPSK	H	Inner_1RB_Left	23.57	23.83	33.00	PASS
N7	15	25	DFT-16QAM	H	Inner_1RB_Left	22.45	22.71	33.00	PASS



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N7	15	30	DFT-QPSK	L	Inner_1RB_Left	23.78	24.04	33.00	PASS
N7	15	30	DFT-16QAM	L	Inner_1RB_Left	22.67	22.93	33.00	PASS
N7	15	30	DFT-QPSK	M	Inner_1RB_Left	23.66	23.92	33.00	PASS
N7	15	30	DFT-16QAM	M	Inner_1RB_Left	22.66	22.92	33.00	PASS
N7	15	30	DFT-QPSK	H	Inner_1RB_Left	23.62	23.88	33.00	PASS
N7	15	30	DFT-16QAM	H	Inner_1RB_Left	22.56	22.82	33.00	PASS
N7	15	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.76	24.02	33.00	PASS
N7	15	40	DFT-PI2BPSK	L	Inner_1RB_Right	23.74	24.00	33.00	PASS
N7	15	40	DFT-PI2BPSK	L	Outer_Full	23.24	23.50	33.00	PASS
N7	15	40	DFT-QPSK	L	Inner_1RB_Left	23.68	23.94	33.00	PASS
N7	15	40	DFT-QPSK	L	Inner_1RB_Right	23.67	23.93	33.00	PASS
N7	15	40	DFT-QPSK	L	Outer_Full	22.91	23.17	33.00	PASS
N7	15	40	DFT-16QAM	L	Inner_1RB_Left	22.76	23.02	33.00	PASS
N7	15	40	DFT-16QAM	L	Inner_1RB_Right	22.66	22.92	33.00	PASS
N7	15	40	DFT-16QAM	L	Outer_Full	22.25	22.51	33.00	PASS
N7	15	40	DFT-64QAM	L	Inner_1RB_Left	21.74	22.00	33.00	PASS
N7	15	40	DFT-64QAM	L	Inner_1RB_Right	21.70	21.96	33.00	PASS
N7	15	40	DFT-64QAM	L	Outer_Full	21.51	21.77	33.00	PASS
N7	15	40	DFT-256QAM	L	Inner_1RB_Left	20.32	20.58	33.00	PASS
N7	15	40	DFT-256QAM	L	Inner_1RB_Right	20.24	20.50	33.00	PASS
N7	15	40	DFT-256QAM	L	Outer_Full	20.76	21.02	33.00	PASS
N7	15	40	DFT-PI2BPSK	M	Inner_1RB_Left	23.73	23.99	33.00	PASS
N7	15	40	DFT-PI2BPSK	M	Inner_1RB_Right	23.62	23.88	33.00	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	23.17	23.43	33.00	PASS
N7	15	40	DFT-QPSK	M	Inner_1RB_Left	23.56	23.82	33.00	PASS
N7	15	40	DFT-QPSK	M	Inner_1RB_Right	23.54	23.80	33.00	PASS
N7	15	40	DFT-QPSK	M	Outer_Full	22.95	23.21	33.00	PASS
N7	15	40	DFT-16QAM	M	Inner_1RB_Left	22.65	22.91	33.00	PASS
N7	15	40	DFT-16QAM	M	Inner_1RB_Right	22.64	22.90	33.00	PASS
N7	15	40	DFT-16QAM	M	Outer_Full	22.30	22.56	33.00	PASS
N7	15	40	DFT-64QAM	M	Inner_1RB_Left	21.61	21.87	33.00	PASS
N7	15	40	DFT-64QAM	M	Inner_1RB_Right	21.60	21.86	33.00	PASS
N7	15	40	DFT-64QAM	M	Outer_Full	21.53	21.79	33.00	PASS
N7	15	40	DFT-256QAM	M	Inner_1RB_Left	20.18	20.44	33.00	PASS
N7	15	40	DFT-256QAM	M	Inner_1RB_Right	20.17	20.43	33.00	PASS
N7	15	40	DFT-256QAM	M	Outer_Full	20.73	20.99	33.00	PASS
N7	15	40	DFT-PI2BPSK	H	Inner_1RB_Left	23.77	24.03	33.00	PASS



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Report No.: SEWM2311000447RG02

Rev.: 01

Page: 4 of 52

N7	15	40	DFT-PI2BPSK	H	Inner_1RB_Right	23.77	24.03	33.00	PASS
N7	15	40	DFT-PI2BPSK	H	Outer_Full	23.31	23.57	33.00	PASS
N7	15	40	DFT-QPSK	H	Inner_1RB_Left	23.62	23.88	33.00	PASS
N7	15	40	DFT-QPSK	H	Inner_1RB_Right	23.71	23.97	33.00	PASS
N7	15	40	DFT-QPSK	H	Outer_Full	22.94	23.20	33.00	PASS
N7	15	40	DFT-16QAM	H	Inner_1RB_Left	22.74	23.00	33.00	PASS
N7	15	40	DFT-16QAM	H	Inner_1RB_Right	22.73	22.99	33.00	PASS
N7	15	40	DFT-16QAM	H	Outer_Full	22.31	22.57	33.00	PASS
N7	15	40	DFT-64QAM	H	Inner_1RB_Left	21.78	22.04	33.00	PASS
N7	15	40	DFT-64QAM	H	Inner_1RB_Right	21.73	21.99	33.00	PASS
N7	15	40	DFT-64QAM	H	Outer_Full	21.54	21.80	33.00	PASS
N7	15	40	DFT-256QAM	H	Inner_1RB_Left	20.36	20.62	33.00	PASS
N7	15	40	DFT-256QAM	H	Inner_1RB_Right	20.29	20.55	33.00	PASS
N7	15	40	DFT-256QAM	H	Outer_Full	20.69	20.95	33.00	PASS



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## Peak-to-Average Ratio for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N7	15	40	DFT-256QAM	L	Outer_Full	6.38	≤13	PASS
N7	15	40	CP-256QAM	L	Outer_Full	6.38	≤13	PASS
N7	15	40	DFT-256QAM	M	Outer_Full	6.20	≤13	PASS
N7	15	40	CP-256QAM	M	Outer_Full	6.21	≤13	PASS
N7	15	40	DFT-256QAM	H	Outer_Full	6.20	≤13	PASS
N7	15	40	CP-256QAM	H	Outer_Full	6.20	≤13	PASS



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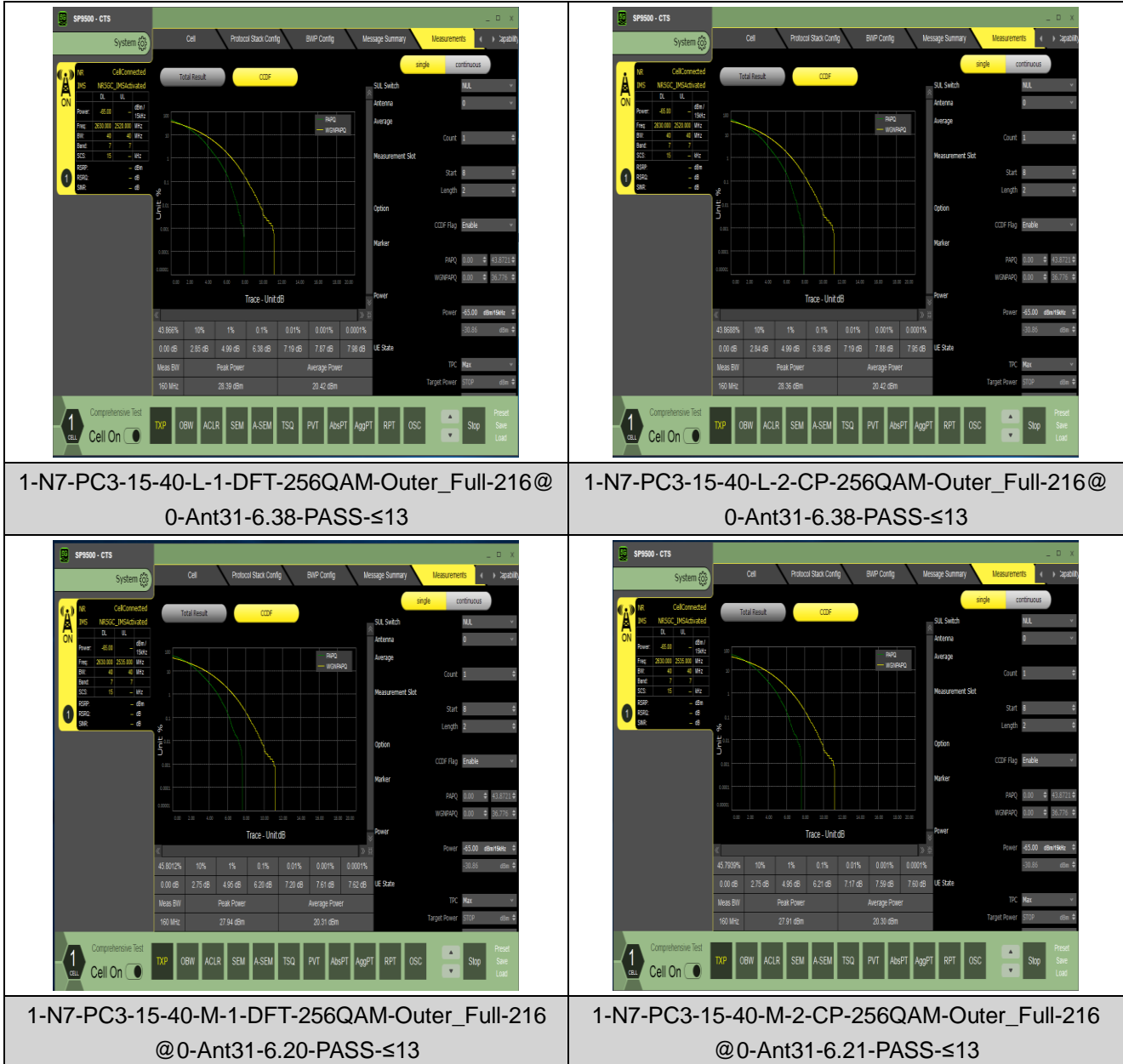
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Test Graphs



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1-N7-PC3-15-40-H-1-DFT-256QAM-Outer\_Full-216  
@0-Ant31-6.20-PASS-≤13



1-N7-PC3-15-40-H-2-CP-256QAM-Outer\_Full-216@  
0-Ant31-6.20-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
N7	15	5	DFT-QPSK	M	Outer_Full	4.474	5.110	PASS
N7	15	5	DFT-PI2BPSK	M	Outer_Full	4.481	4.980	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	4.491	5.010	PASS
N7	15	5	DFT-64QAM	M	Outer_Full	4.478	5.010	PASS
N7	15	5	DFT-256QAM	M	Outer_Full	4.486	5.150	PASS
N7	15	5	CP-QPSK	M	Outer_Full	4.512	5.320	PASS
N7	15	5	CP-16QAM	M	Outer_Full	4.529	5.250	PASS
N7	15	5	CP-64QAM	M	Outer_Full	4.514	5.080	PASS
N7	15	5	CP-256QAM	M	Outer_Full	4.513	5.160	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	9.231	10.240	PASS
N7	15	10	DFT-PI2BPSK	M	Outer_Full	9.211	10.220	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	9.231	10.400	PASS
N7	15	10	DFT-64QAM	M	Outer_Full	9.191	10.340	PASS
N7	15	10	DFT-256QAM	M	Outer_Full	9.231	10.240	PASS
N7	15	10	CP-QPSK	M	Outer_Full	9.53	10.620	PASS
N7	15	10	CP-16QAM	M	Outer_Full	9.55	10.560	PASS
N7	15	10	CP-64QAM	M	Outer_Full	9.51	10.700	PASS
N7	15	10	CP-256QAM	M	Outer_Full	9.55	10.740	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	13.636	14.970	PASS
N7	15	15	DFT-PI2BPSK	M	Outer_Full	13.636	14.850	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	13.666	14.880	PASS
N7	15	15	DFT-64QAM	M	Outer_Full	13.576	14.790	PASS
N7	15	15	DFT-256QAM	M	Outer_Full	13.606	14.730	PASS
N7	15	15	CP-QPSK	M	Outer_Full	14.326	15.450	PASS
N7	15	15	CP-16QAM	M	Outer_Full	14.296	15.660	PASS
N7	15	15	CP-256QAM	M	Outer_Full	14.296	15.510	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	17.982	19.320	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	17.982	19.320	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	17.982	19.280	PASS



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Report No.: SEWM2311000447RG02

Rev.: 01

Page: 9 of 52

N7	15	20	DFT-64QAM	M	Outer_Full	18.022	19.320	PASS
N7	15	20	DFT-256QAM	M	Outer_Full	17.982	19.280	PASS
N7	15	20	CP-QPSK	M	Outer_Full	19.021	20.320	PASS
N7	15	20	CP-16QAM	M	Outer_Full	19.021	20.360	PASS
N7	15	20	CP-64QAM	M	Outer_Full	19.061	20.360	PASS
N7	15	20	CP-256QAM	M	Outer_Full	19.021	20.280	PASS
N7	15	25	DFT-QPSK	M	Outer_Full	22.977	24.300	PASS
N7	15	25	DFT-PI2BPSK	M	Outer_Full	22.977	24.450	PASS
N7	15	25	DFT-16QAM	M	Outer_Full	22.977	24.450	PASS
N7	15	25	DFT-64QAM	M	Outer_Full	22.977	24.350	PASS
N7	15	25	DFT-256QAM	M	Outer_Full	22.927	24.400	PASS
N7	15	25	CP-QPSK	M	Outer_Full	23.826	25.250	PASS
N7	15	25	CP-16QAM	M	Outer_Full	23.876	25.300	PASS
N7	15	25	CP-64QAM	M	Outer_Full	23.876	25.300	PASS
N7	15	25	CP-256QAM	M	Outer_Full	23.876	25.200	PASS
N7	15	30	DFT-QPSK	M	Outer_Full	28.591	30.180	PASS
N7	15	30	DFT-PI2BPSK	M	Outer_Full	28.591	30.060	PASS
N7	15	30	DFT-16QAM	M	Outer_Full	28.591	30.060	PASS
N7	15	30	DFT-64QAM	M	Outer_Full	28.711	30.120	PASS
N7	15	30	DFT-256QAM	M	Outer_Full	28.591	30.060	PASS
N7	15	30	CP-QPSK	M	Outer_Full	28.651	30.120	PASS
N7	15	30	CP-16QAM	M	Outer_Full	28.591	30.120	PASS
N7	15	30	CP-64QAM	M	Outer_Full	28.651	30.120	PASS
N7	15	30	CP-256QAM	M	Outer_Full	28.651	30.000	PASS
N7	15	40	DFT-QPSK	M	Outer_Full	38.521	40.240	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	38.521	40.080	PASS
N7	15	40	DFT-16QAM	M	Outer_Full	38.601	40.240	PASS
N7	15	40	DFT-64QAM	M	Outer_Full	38.521	40.160	PASS
N7	15	40	DFT-256QAM	M	Outer_Full	38.521	40.160	PASS
N7	15	40	CP-QPSK	M	Outer_Full	38.442	40.320	PASS
N7	15	40	CP-16QAM	M	Outer_Full	38.521	40.080	PASS
N7	15	40	CP-64QAM	M	Outer_Full	38.601	40.080	PASS
N7	15	40	CP-256QAM	M	Outer_Full	38.521	40.160	PASS



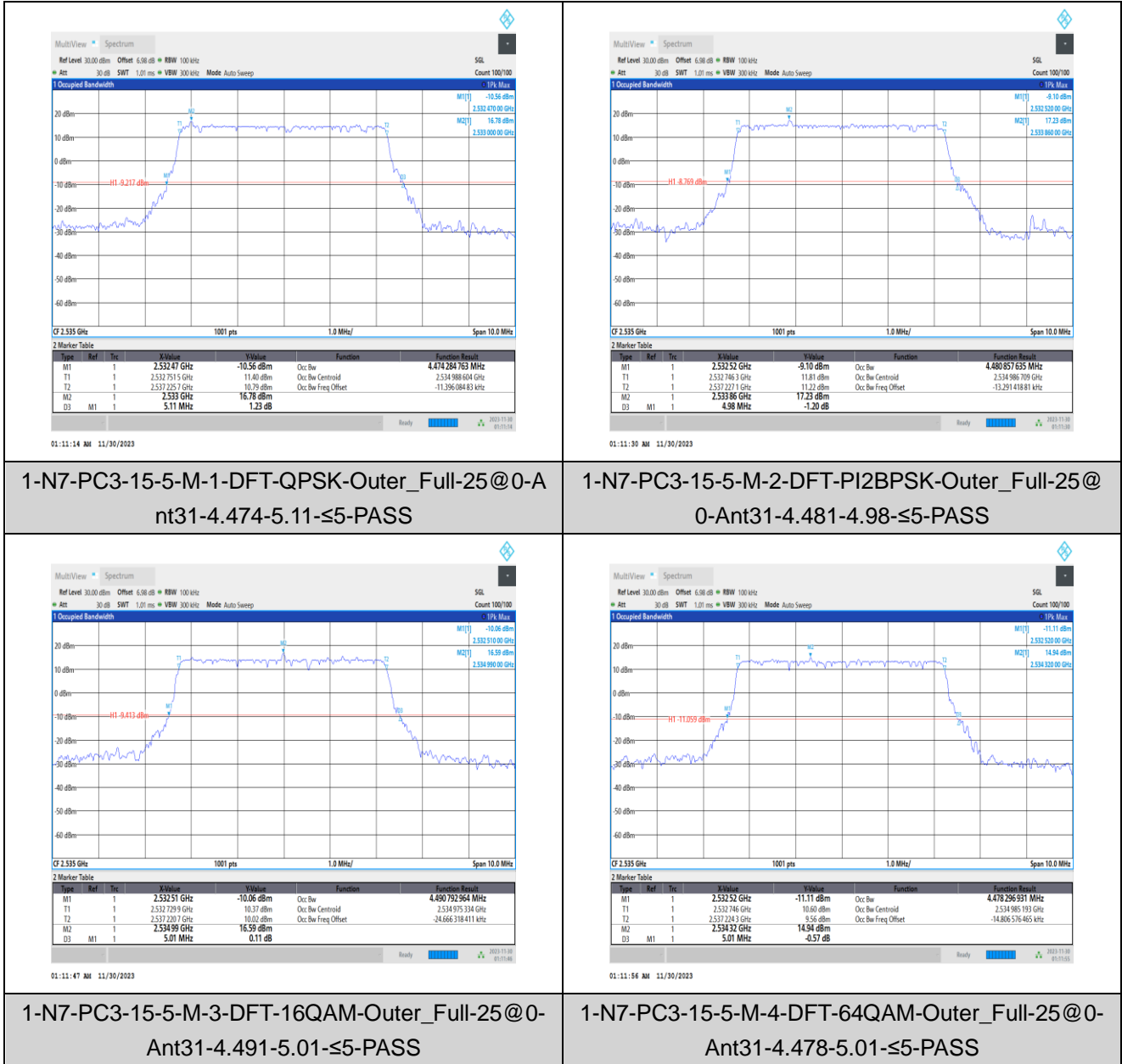
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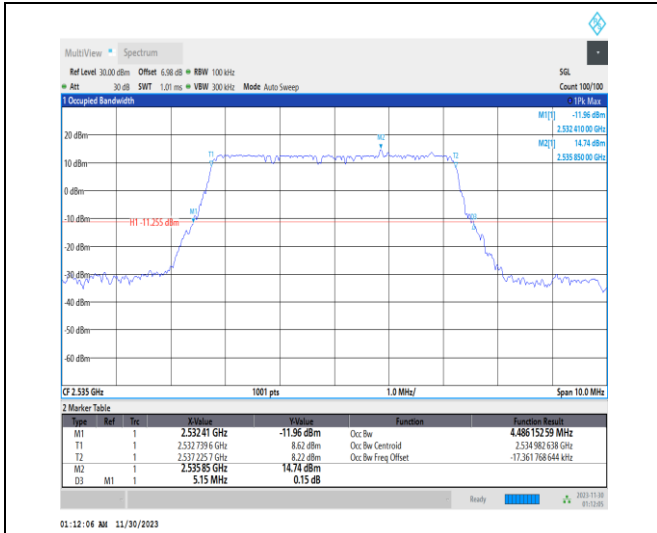
Test Graphs



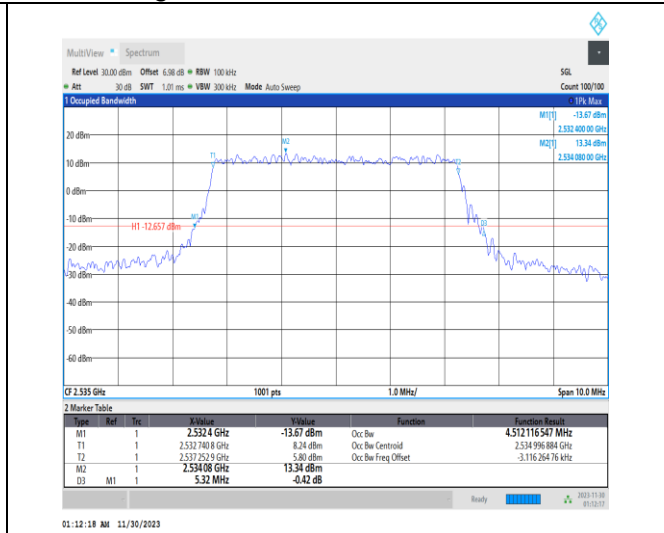
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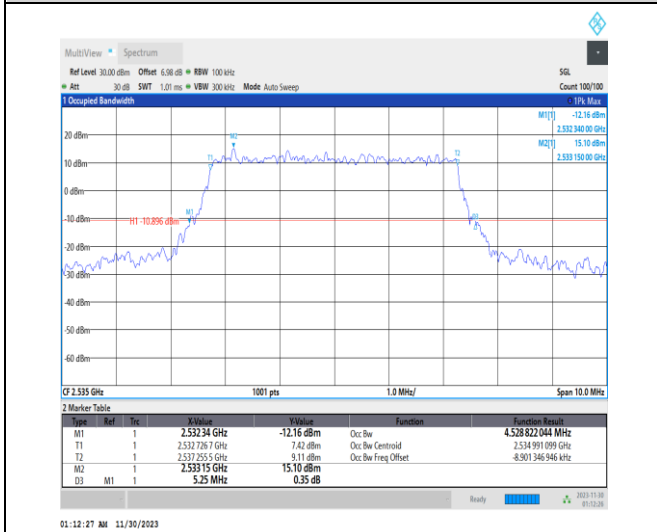
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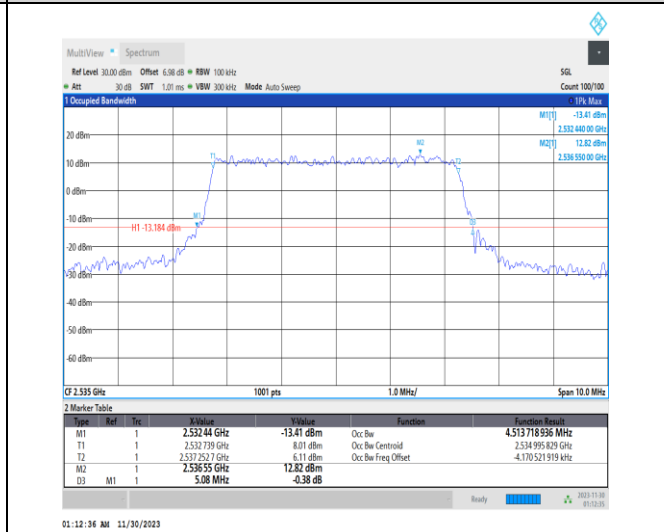
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1-N7-PC3-15-5-M-6-CP-QPSK-Outer\_Full-25@0-Ant31-4.512-5.320-≤5-PASS



1-N7-PC3-15-5-M-7-CP-16QAM-Outer\_Full-25@0-Ant31-4.529-5.250-≤5-PASS



1-N7-PC3-15-5-M-8-CP-64QAM-Outer\_Full-25@0-Ant31-4.514-5.080-≤5-PASS



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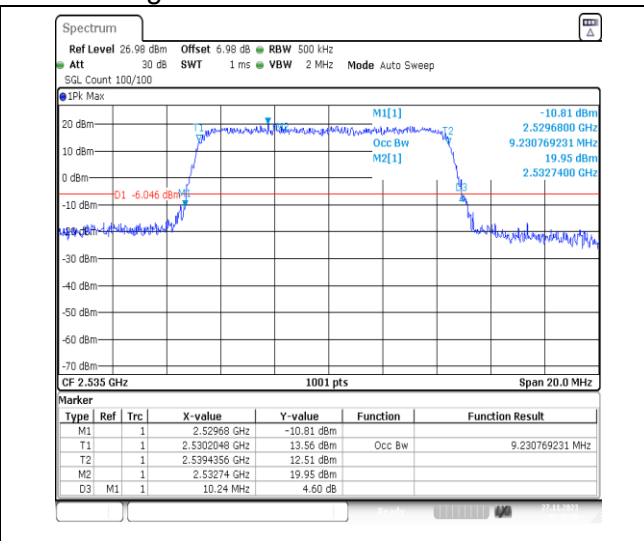
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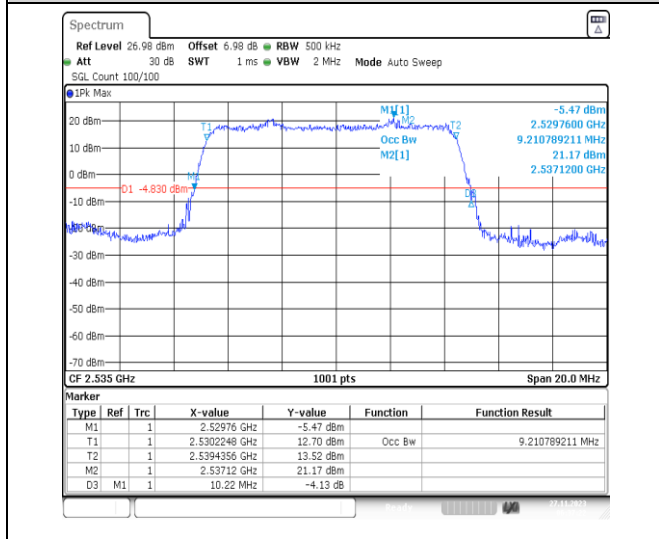
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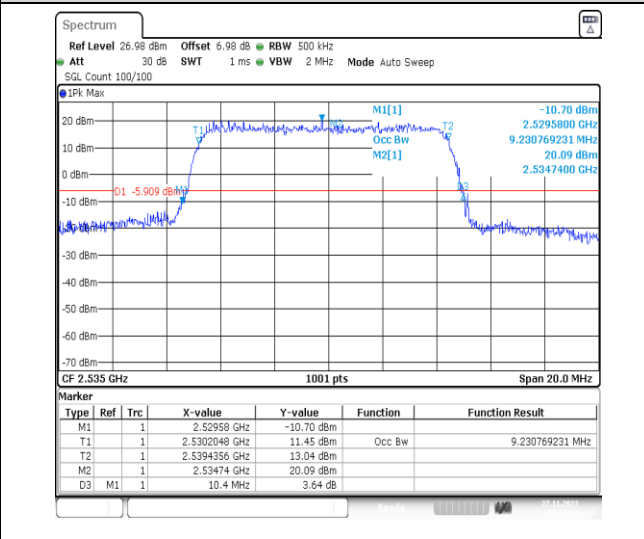
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1-N7-PC3-15-10-M-1-DFT-QPSK-Outer\_Full-50@0-Ant31-9.231-10.240-≤10-PASS



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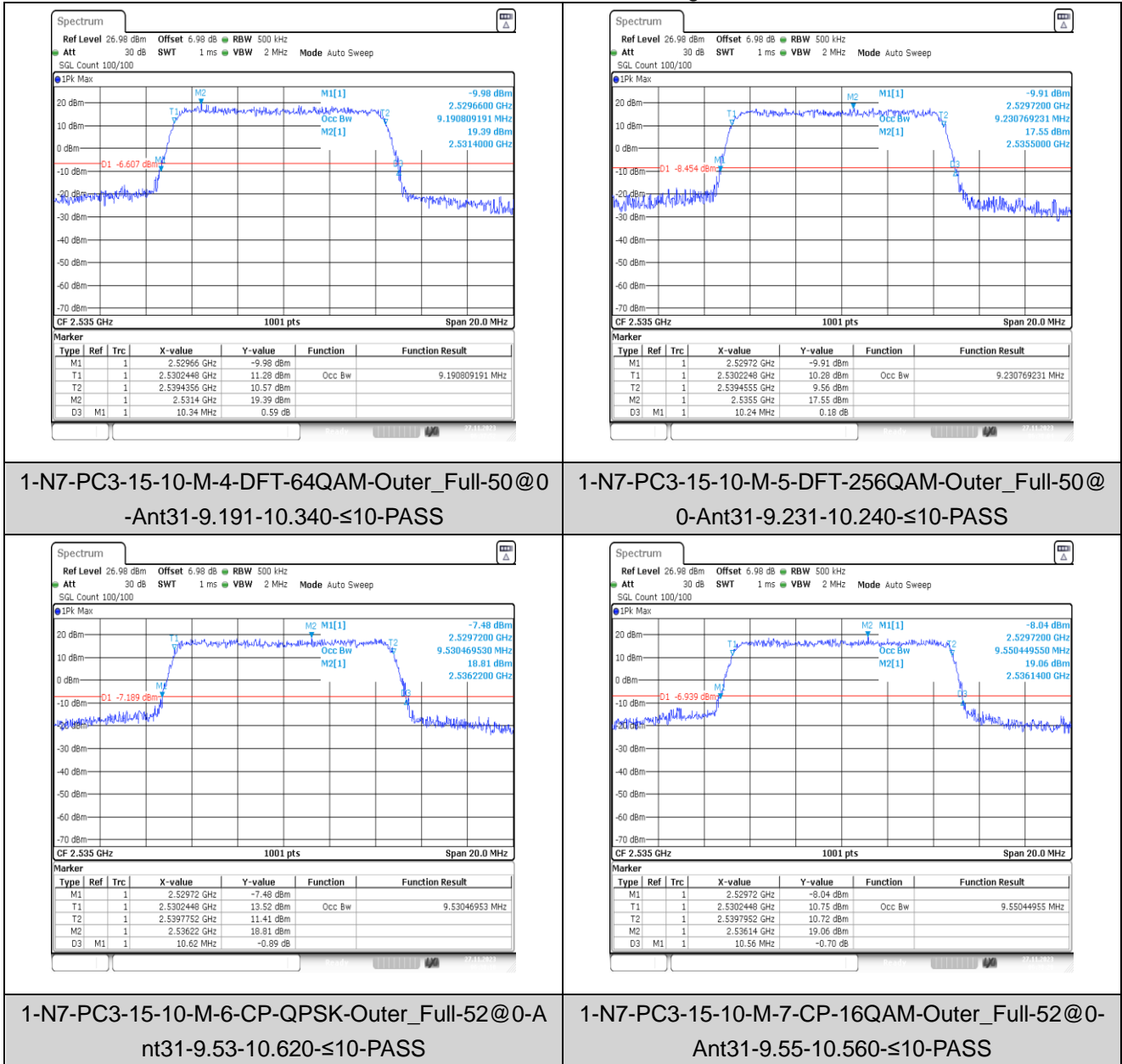
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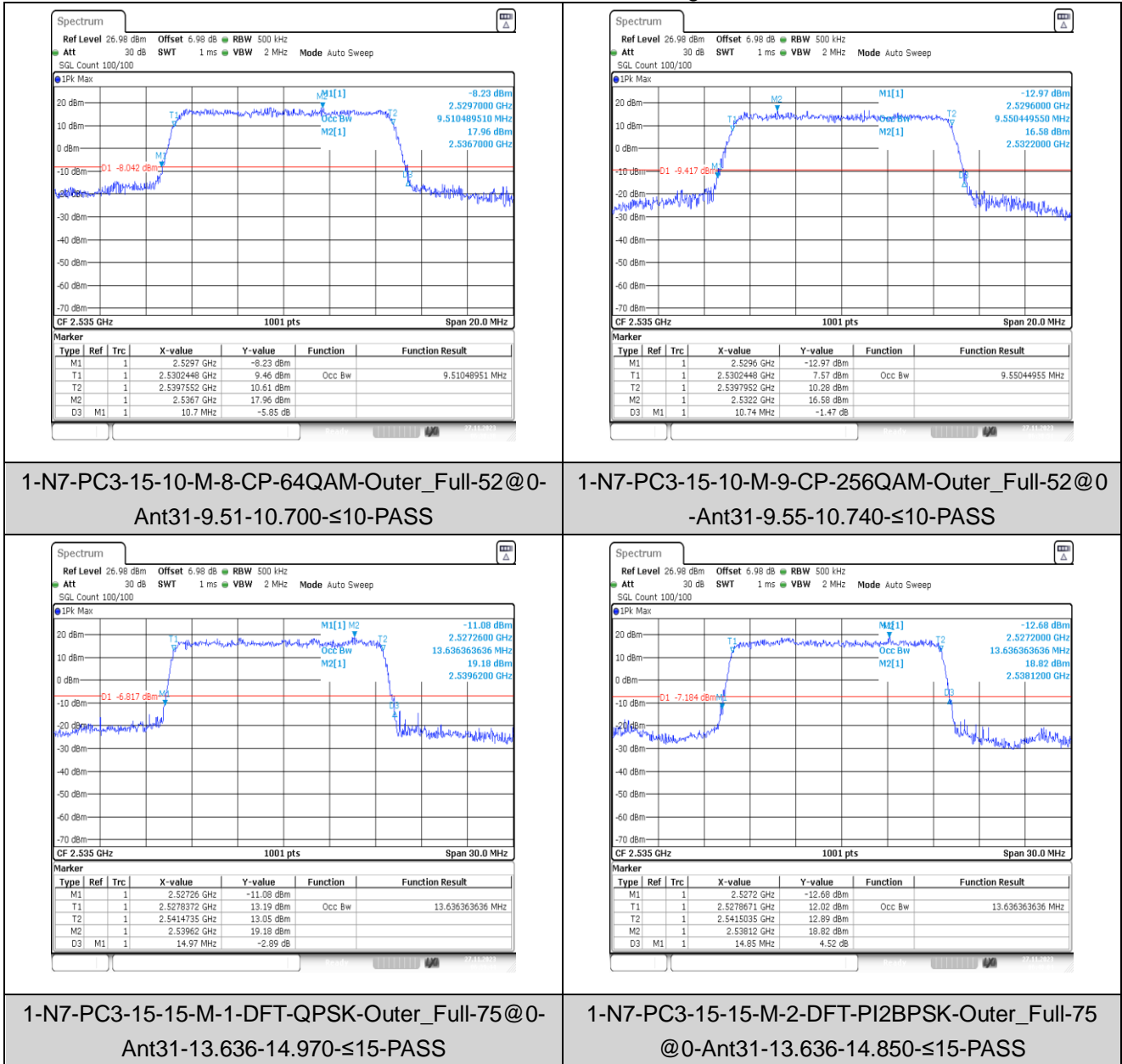
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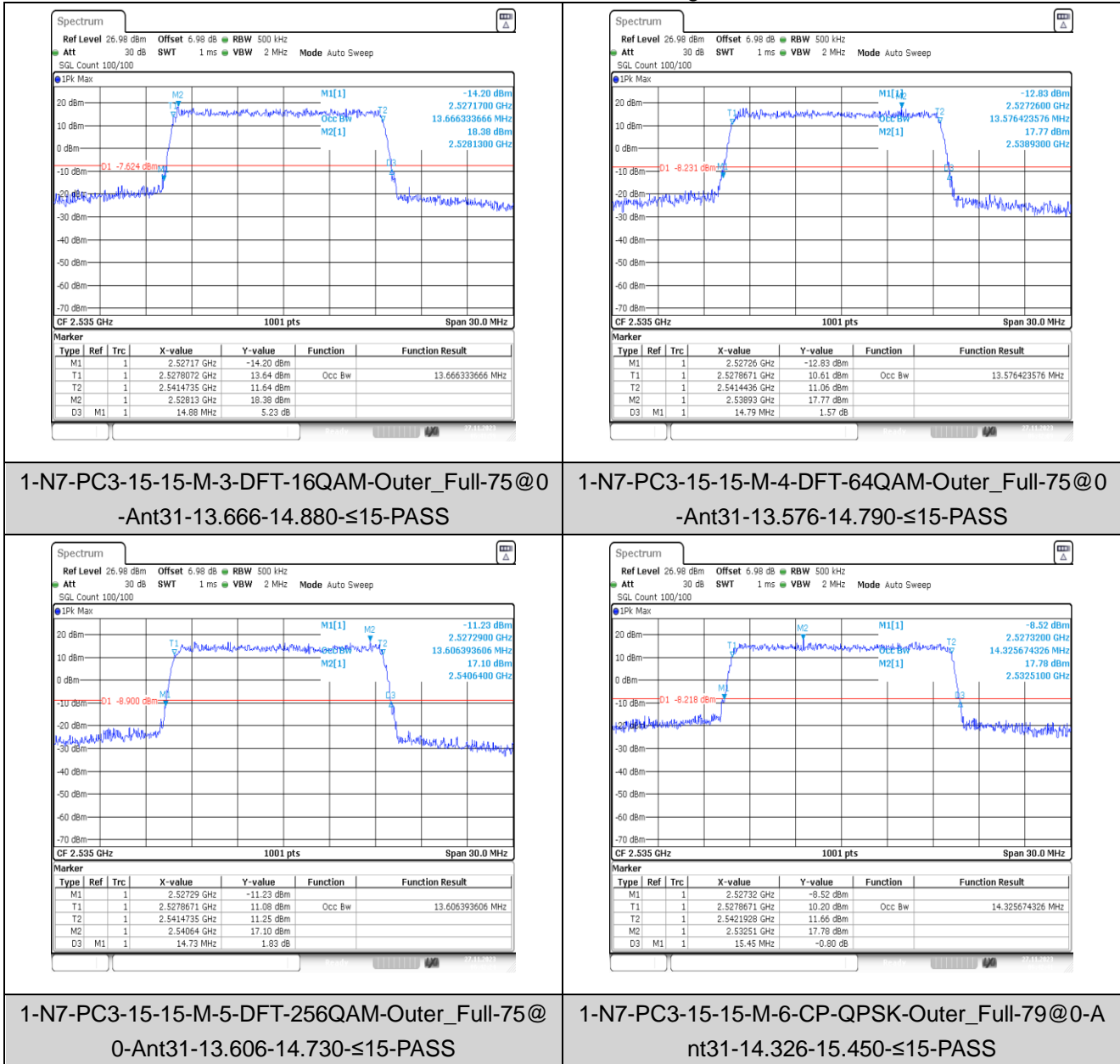
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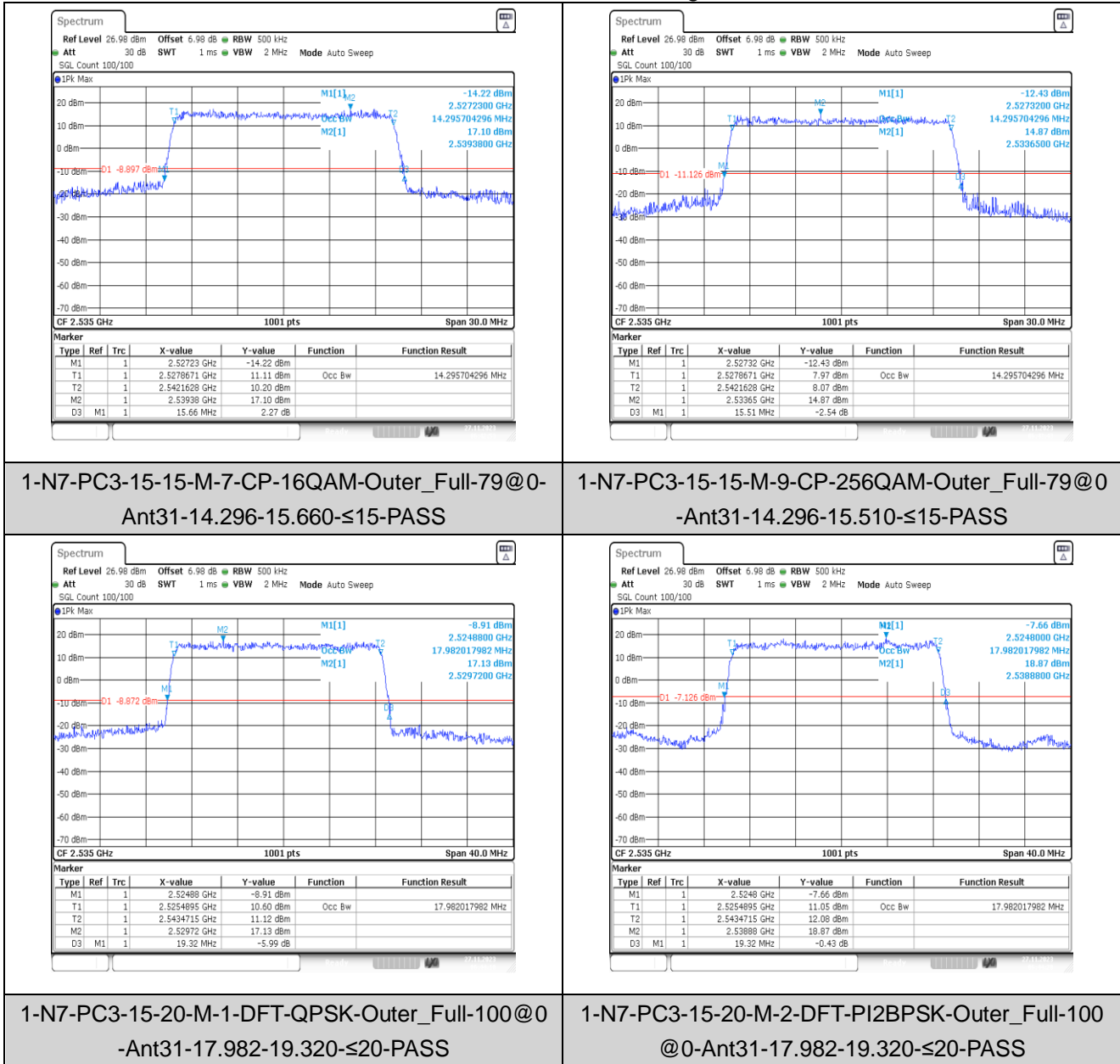
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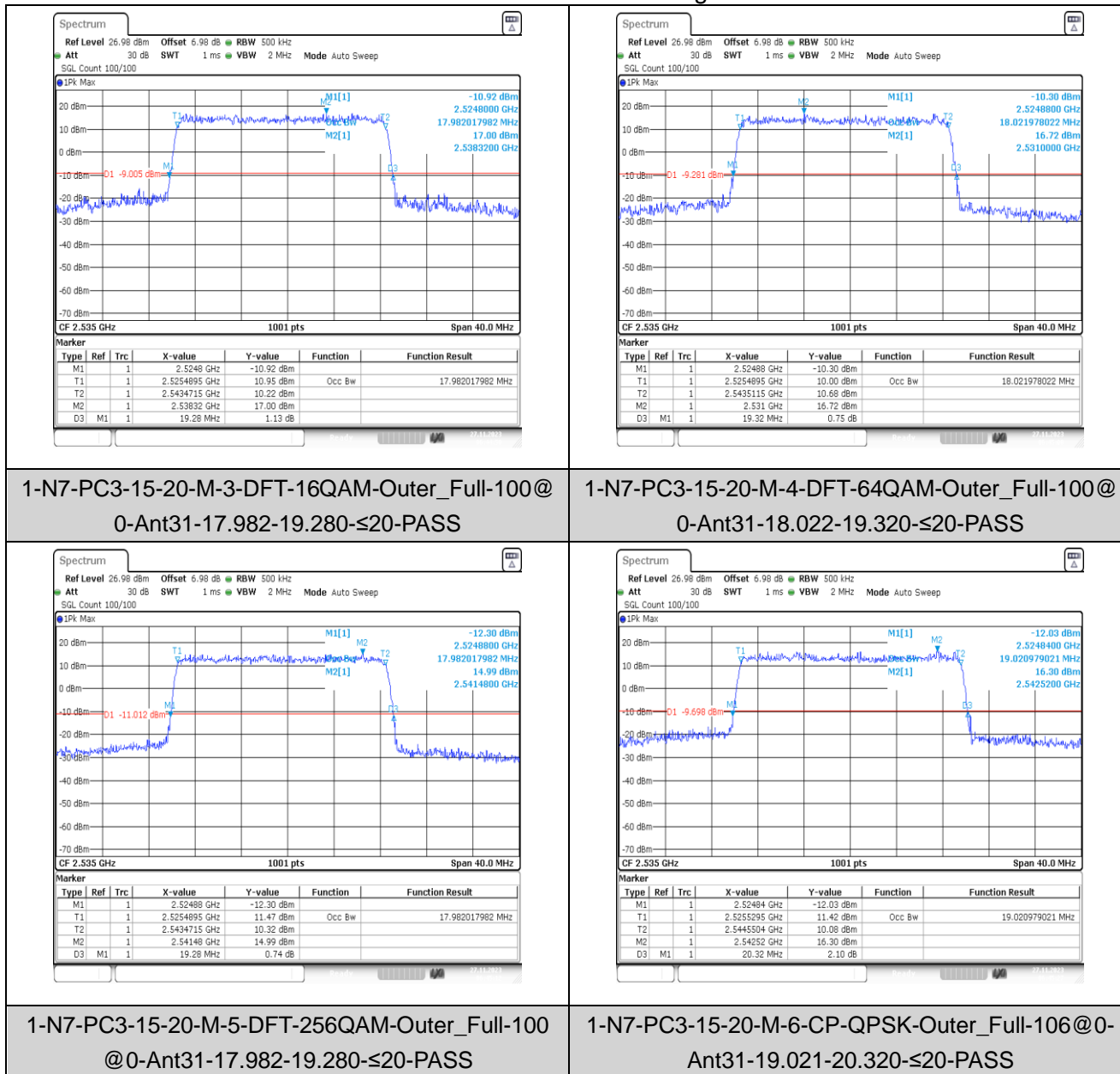


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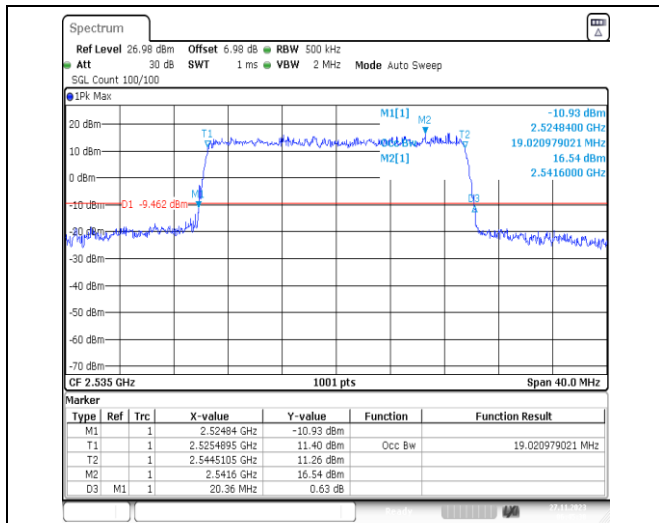




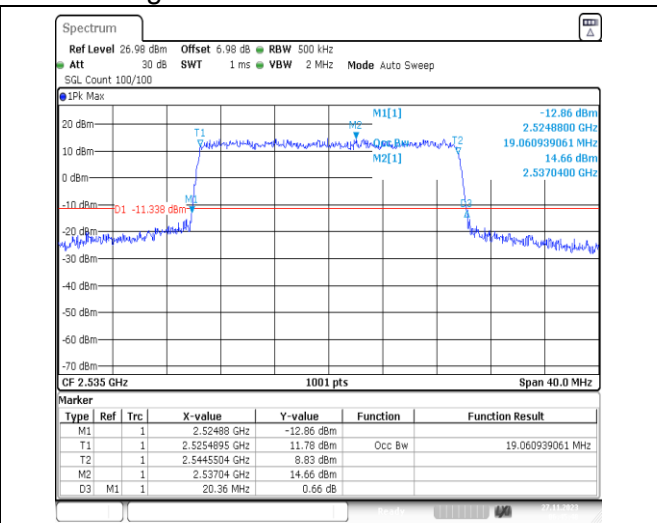
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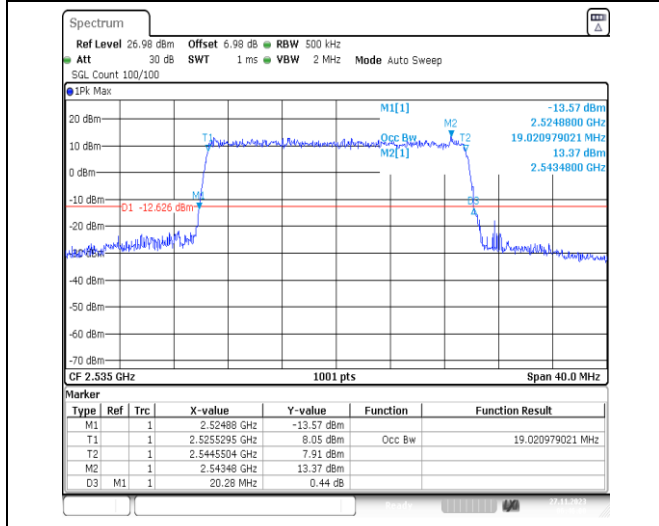
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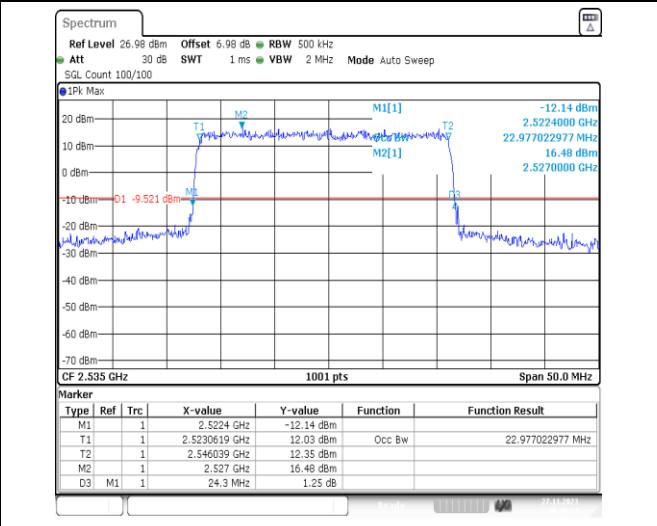
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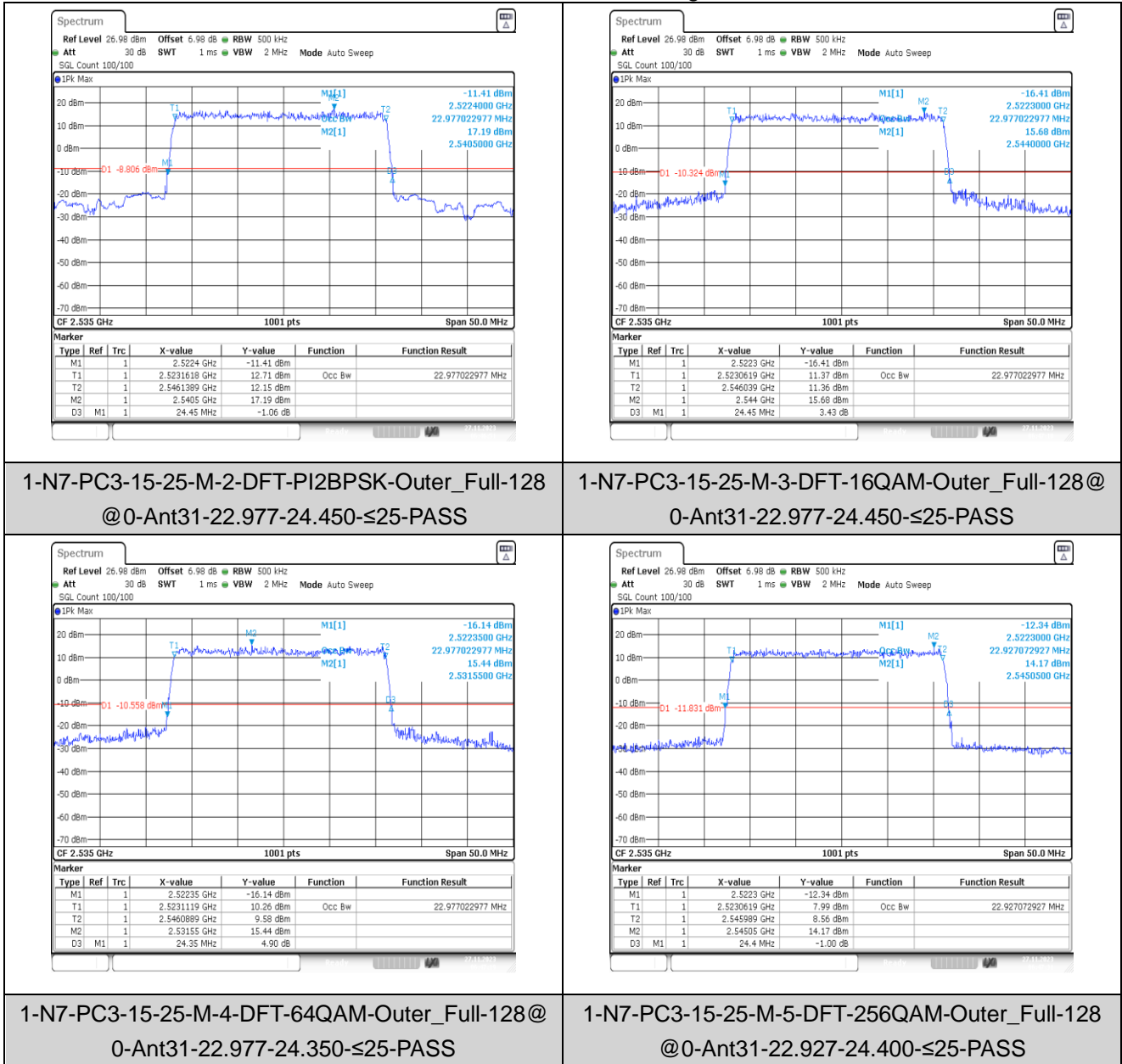
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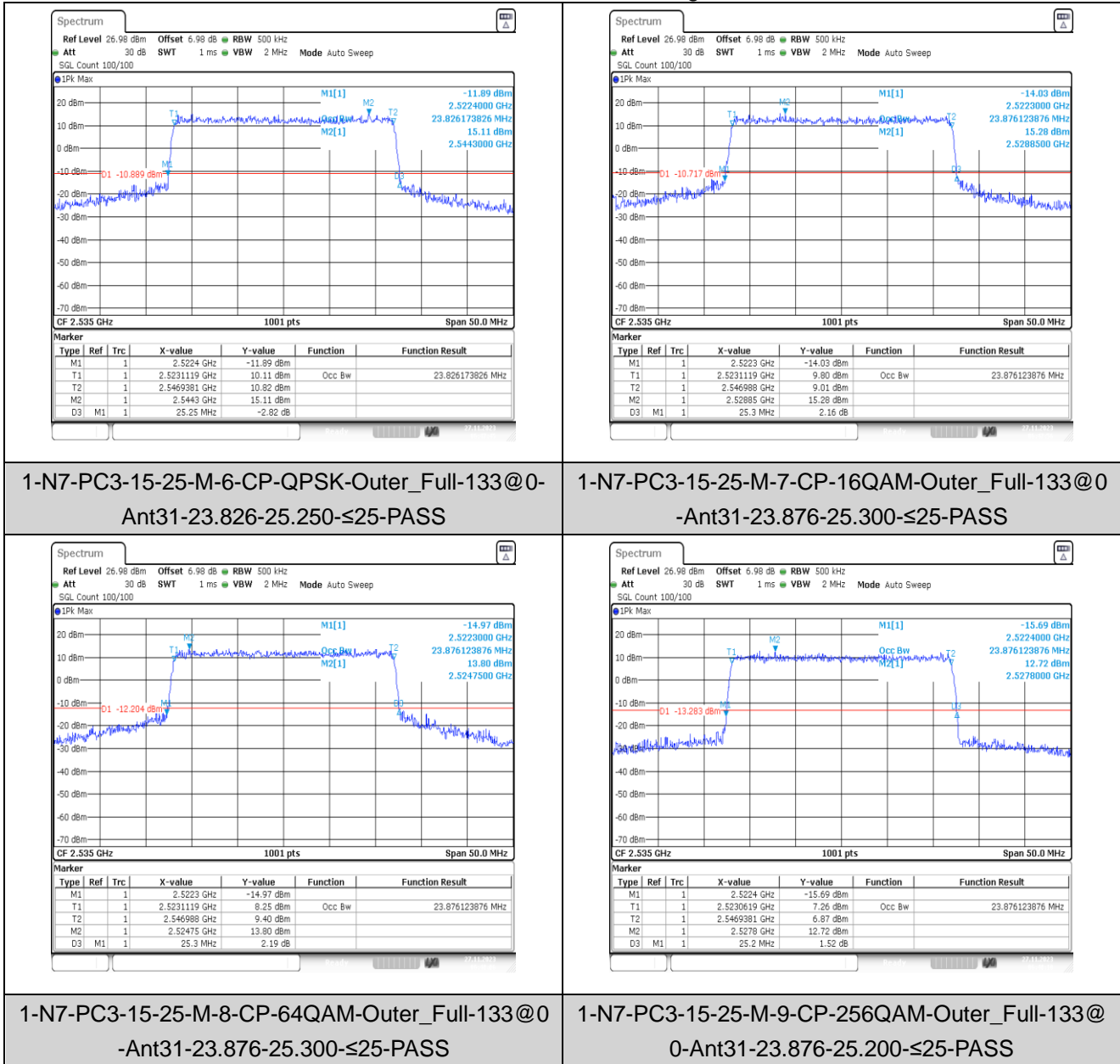
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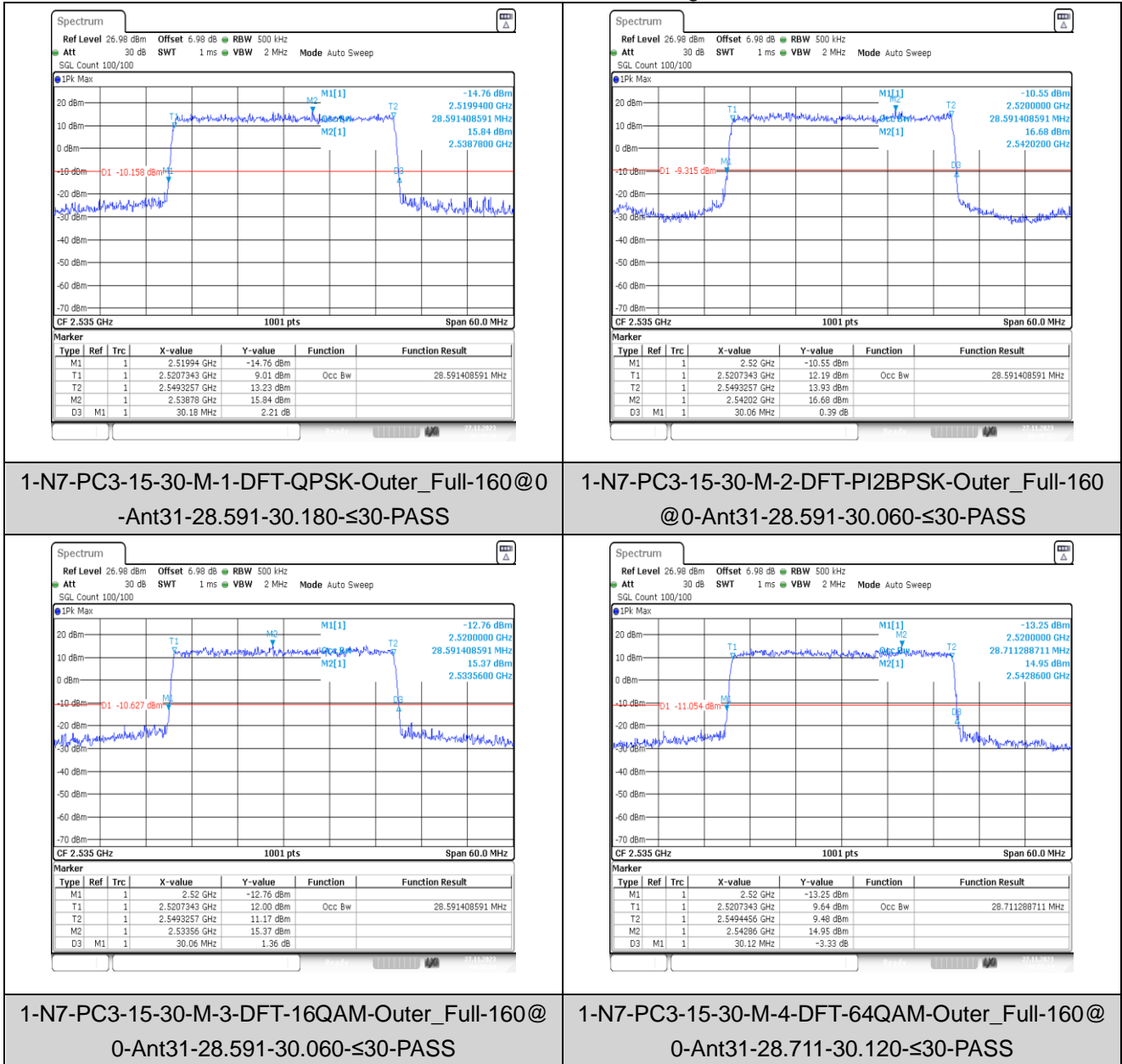
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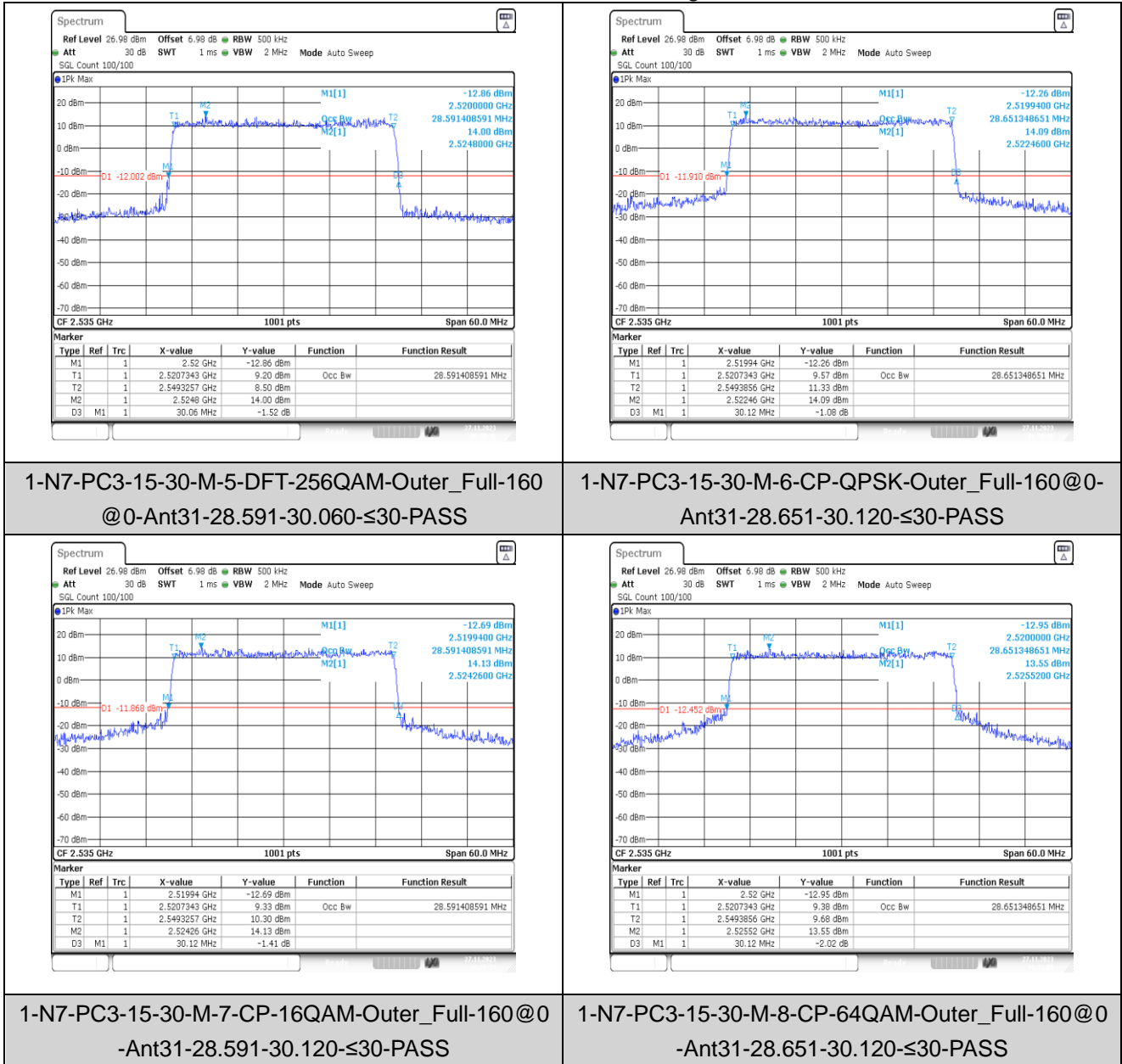
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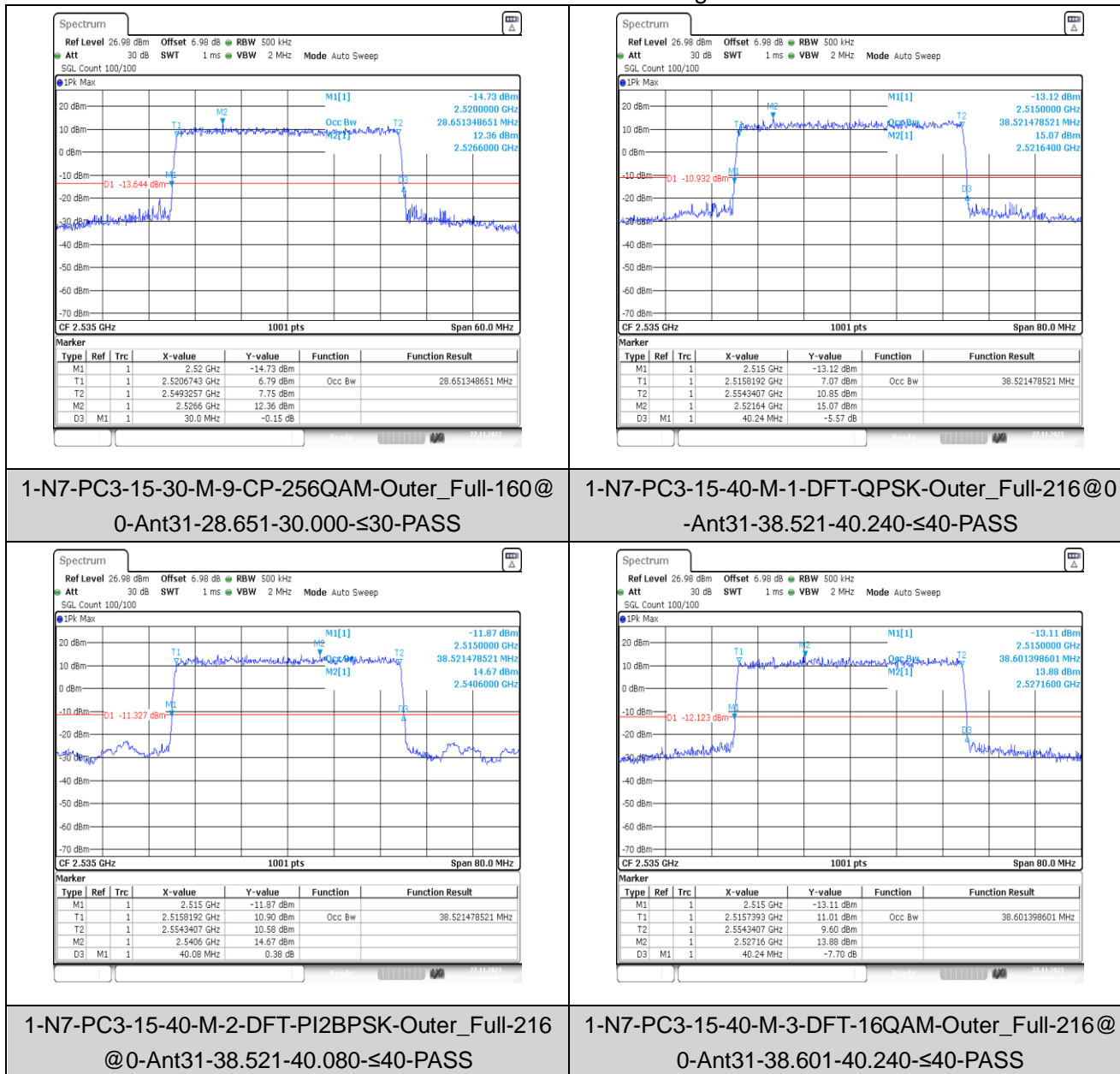
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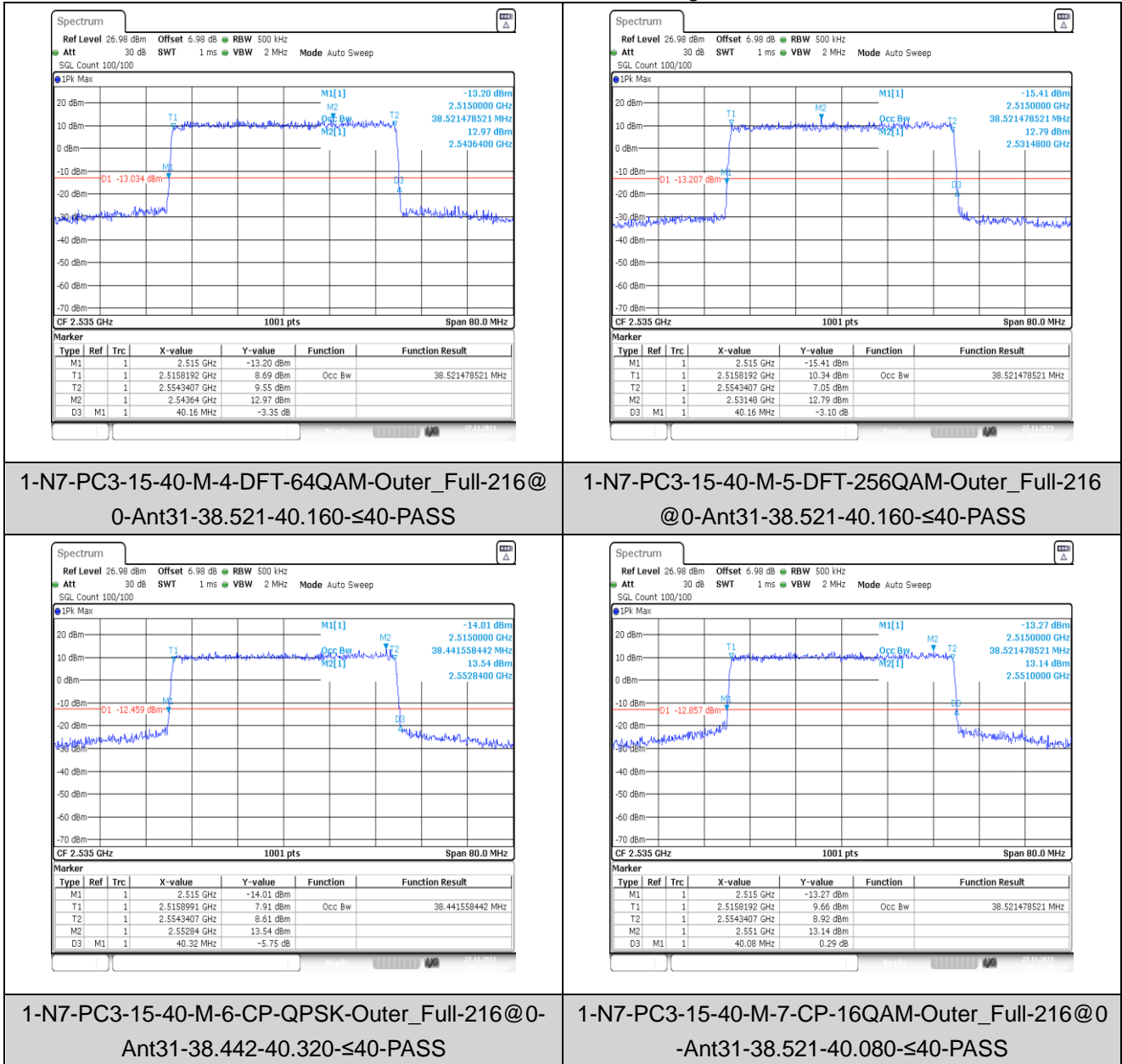
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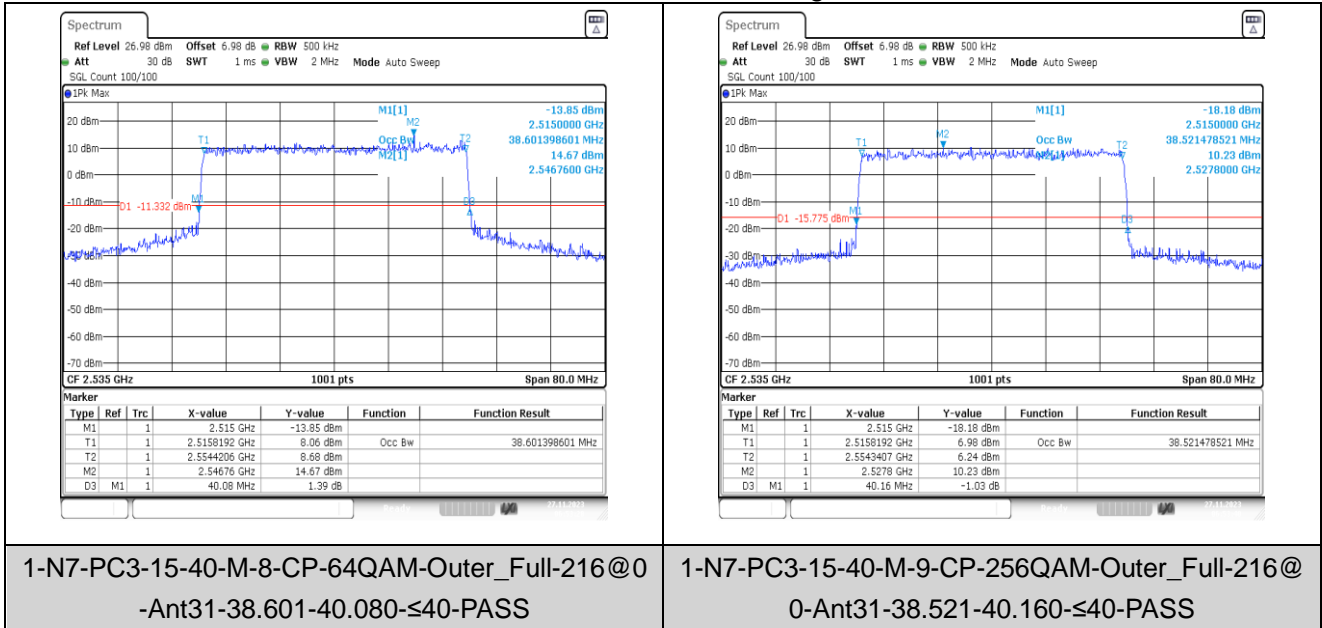


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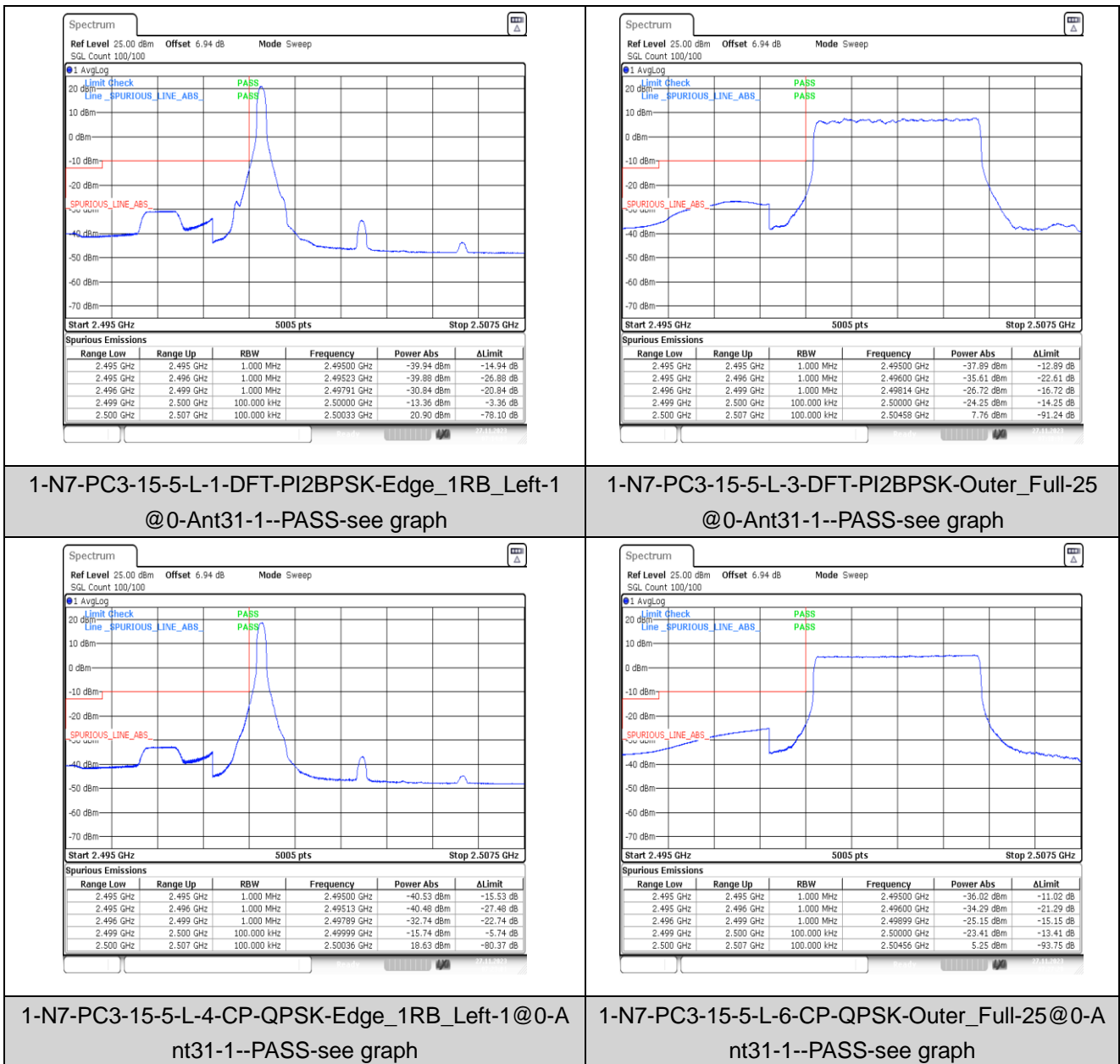
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## Band Edge for SA

### Test Graphs



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