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Appendix B.16

NR Band n2



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N2	15	5	DFT-QPSK	L	Inner_1RB_Left	23.44	24.44	33.00	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Left	22.68	23.68	33.00	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Left	23.63	24.63	33.00	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Left	22.78	23.78	33.00	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Left	23.46	24.46	33.00	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Left	22.65	23.65	33.00	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Left	23.45	24.45	33.00	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Left	22.76	23.76	33.00	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Left	23.58	24.58	33.00	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Left	22.8	23.8	33.00	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Left	23.69	24.69	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Left	22.77	23.77	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Right	22.79	23.79	33.00	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Left	23.42	24.42	33.00	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Left	22.69	23.69	33.00	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Left	23.21	24.21	33.00	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Left	22.44	23.44	33.00	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Left	23.43	24.43	33.00	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Left	22.6	23.6	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.54	24.54	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.57	24.57	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	23.2	24.2	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Left	23.81	24.81	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Right	24.07	25.07	33.00	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	22.78	23.78	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Left	23.01	24.01	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Right	23.05	24.05	33.00	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	21.76	22.76	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Left	21.26	22.26	33.00	PASS



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N2	15	20	DFT-64QAM	L	Inner_1RB_Right	21.33	22.33	33.00	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	21.23	22.23	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Left	19.14	20.14	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Right	19.2	20.2	33.00	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	19.19	20.19	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.54	24.54	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.57	24.57	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	23.2	24.2	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Left	23.81	24.81	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Right	23.97	24.97	33.00	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	22.78	23.78	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Left	23.01	24.01	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Right	23.05	24.05	33.00	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	21.76	22.76	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Left	21.26	22.26	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Right	21.33	22.33	33.00	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	21.23	22.23	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Left	19.14	20.14	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Right	19.2	20.2	33.00	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	19.19	20.19	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.54	24.54	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.57	24.57	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	23.2	24.2	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Left	23.81	24.81	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Right	23.97	24.97	33.00	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	22.78	23.78	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Left	23.01	24.01	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Right	23.05	24.05	33.00	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	21.76	22.76	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Left	21.26	22.26	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Right	21.33	22.33	33.00	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	21.23	22.23	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Left	19.14	20.14	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Right	19.2	20.2	33.00	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	19.19	20.19	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
N2	15	20	DFT-256QAM	L	Outer_Full	9.07	≤13	PASS
N2	15	20	CP-256QAM	L	Outer_Full	9.63	≤13	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	8.93	≤13	PASS
N2	15	20	CP-256QAM	M	Outer_Full	9.39	≤13	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	8.89	≤13	PASS
N2	15	20	CP-256QAM	H	Outer_Full	9.45	≤13	PASS



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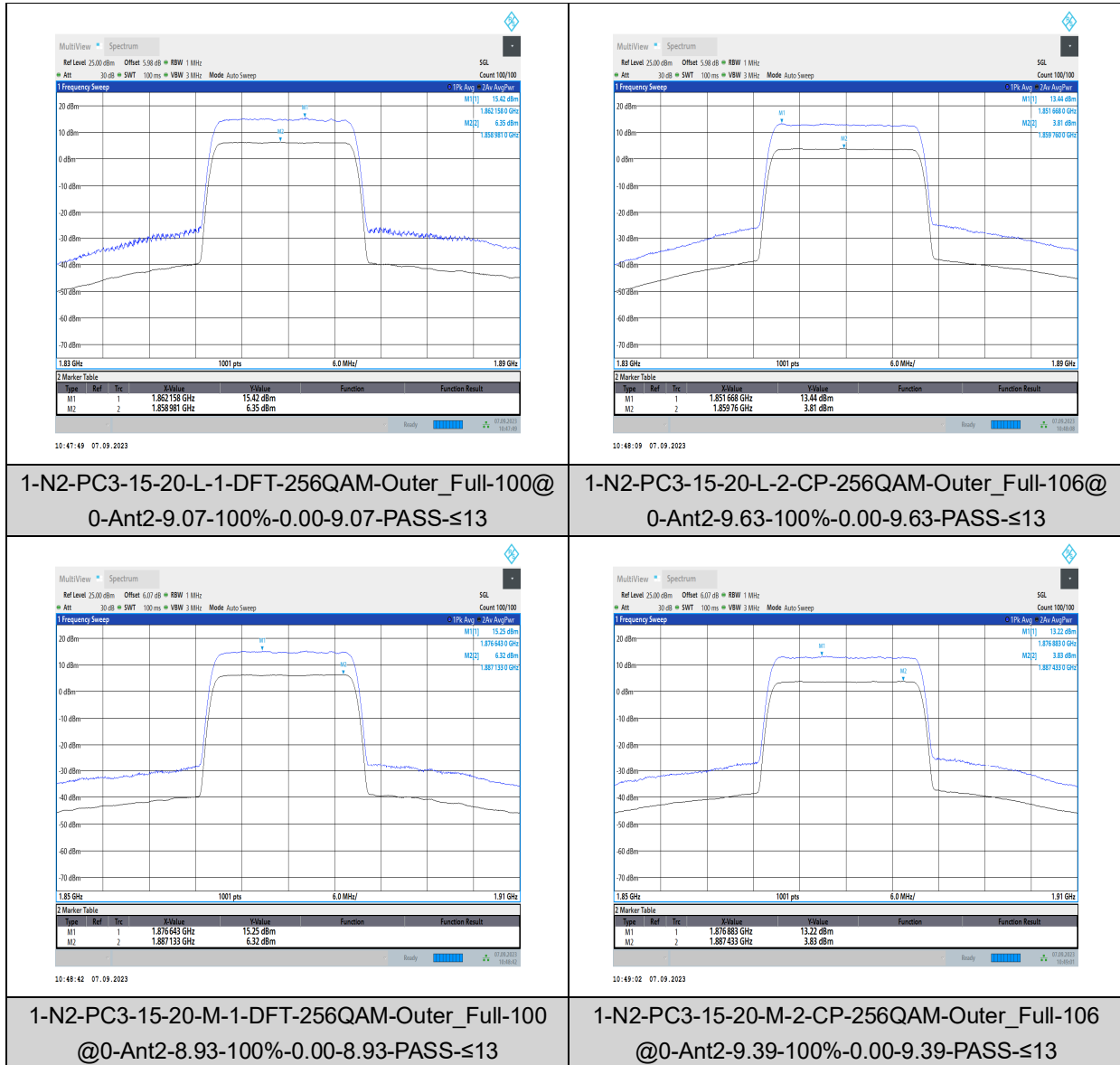
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Test Graphs



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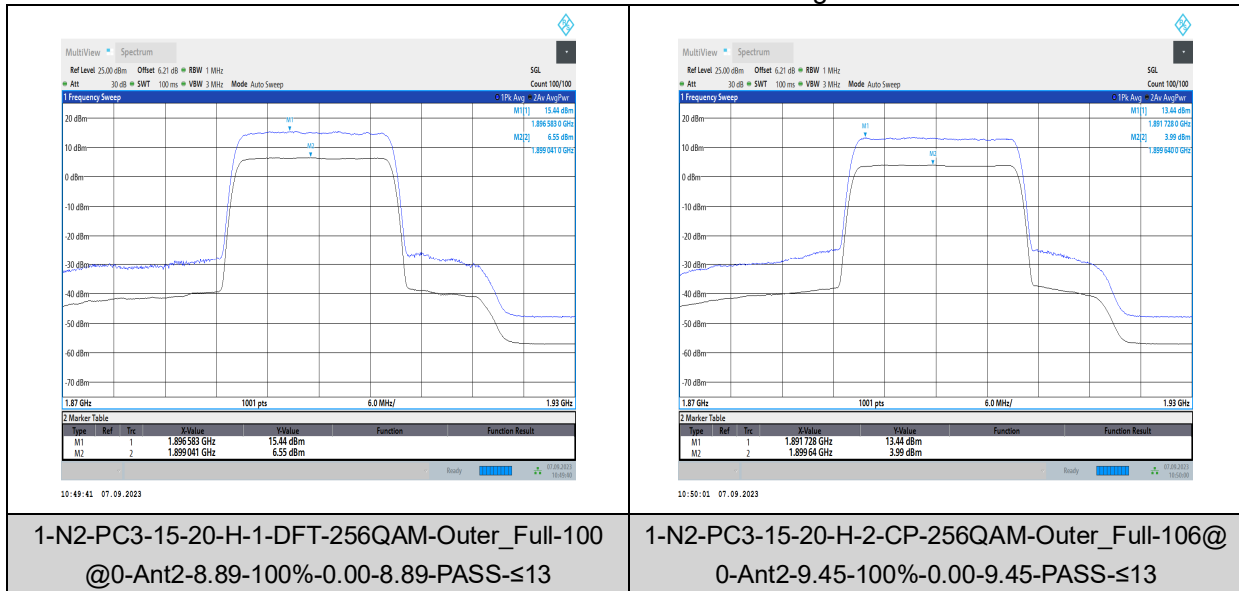
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N2	15	5	DFT-QPSK	M	Outer_Full	4.473	4.800	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	4.475	4.780	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.465	4.780	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	4.443	4.800	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	4.477	4.740	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.476	4.830	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.49	4.860	PASS
N2	15	5	CP-64QAM	M	Outer_Full	4.467	4.770	PASS
N2	15	5	CP-256QAM	M	Outer_Full	4.469	4.770	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.942	9.380	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	8.919	9.380	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	8.921	9.400	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	8.916	9.400	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	8.92	9.340	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.271	9.840	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.295	9.760	PASS
N2	15	10	CP-64QAM	M	Outer_Full	9.282	9.780	PASS
N2	15	10	CP-256QAM	M	Outer_Full	9.282	9.760	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.429	14.160	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	13.414	14.190	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.417	14.130	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	13.429	14.100	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	13.427	14.100	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.151	14.790	PASS
N2	15	15	CP-16QAM	M	Outer_Full	14.145	14.820	PASS
N2	15	15	CP-64QAM	M	Outer_Full	14.115	14.820	PASS
N2	15	15	CP-256QAM	M	Outer_Full	14.143	14.790	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.881	18.640	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	17.833	18.640	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	17.854	18.720	PASS



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N2	15	20	DFT-64QAM	M	Outer_Full	17.856	18.600	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.884	18.640	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.871	19.760	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.935	19.760	PASS
N2	15	20	CP-64QAM	M	Outer_Full	18.882	19.640	PASS
N2	15	20	CP-256QAM	M	Outer_Full	18.886	19.600	PASS



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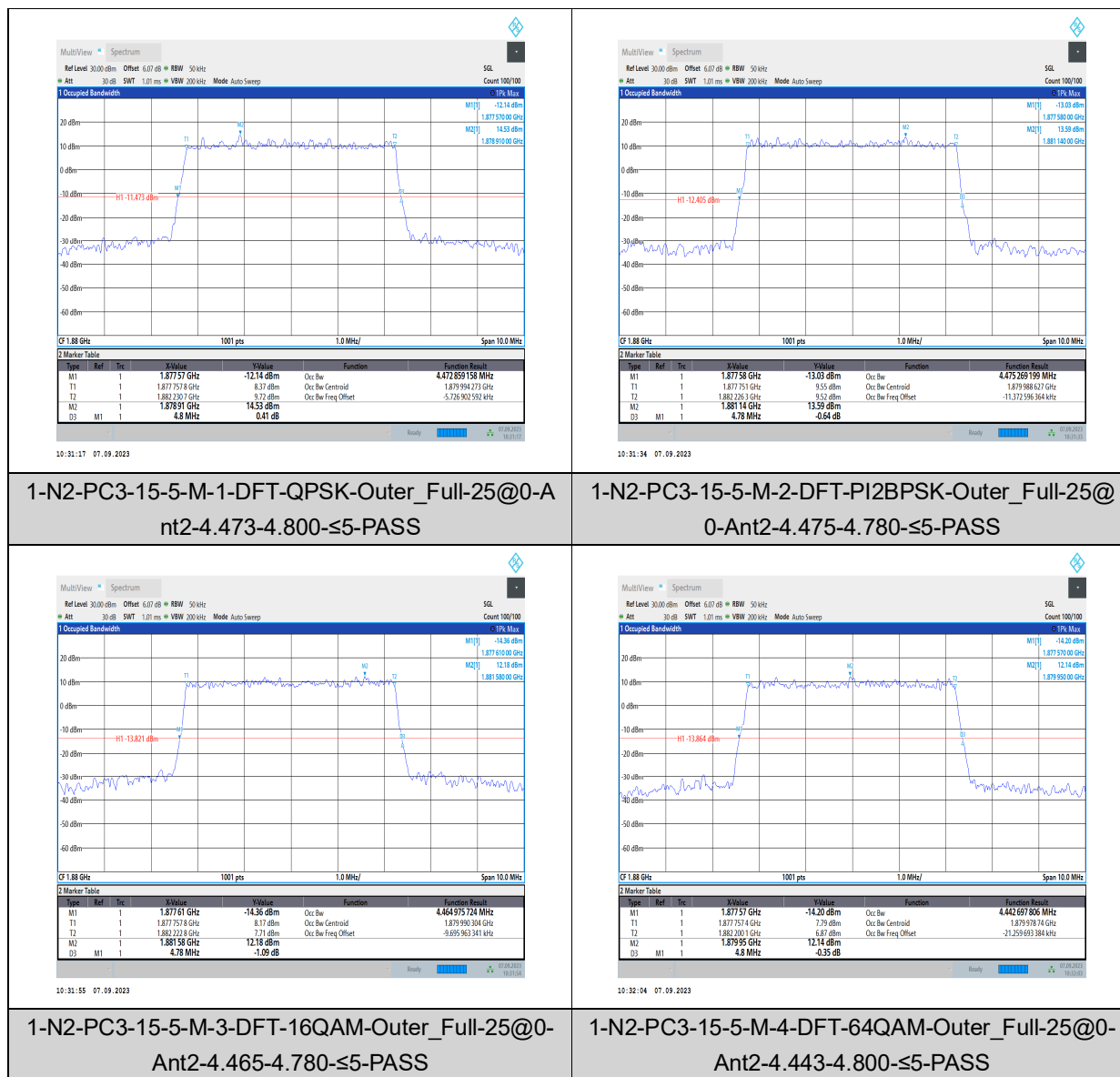
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Test Graphs



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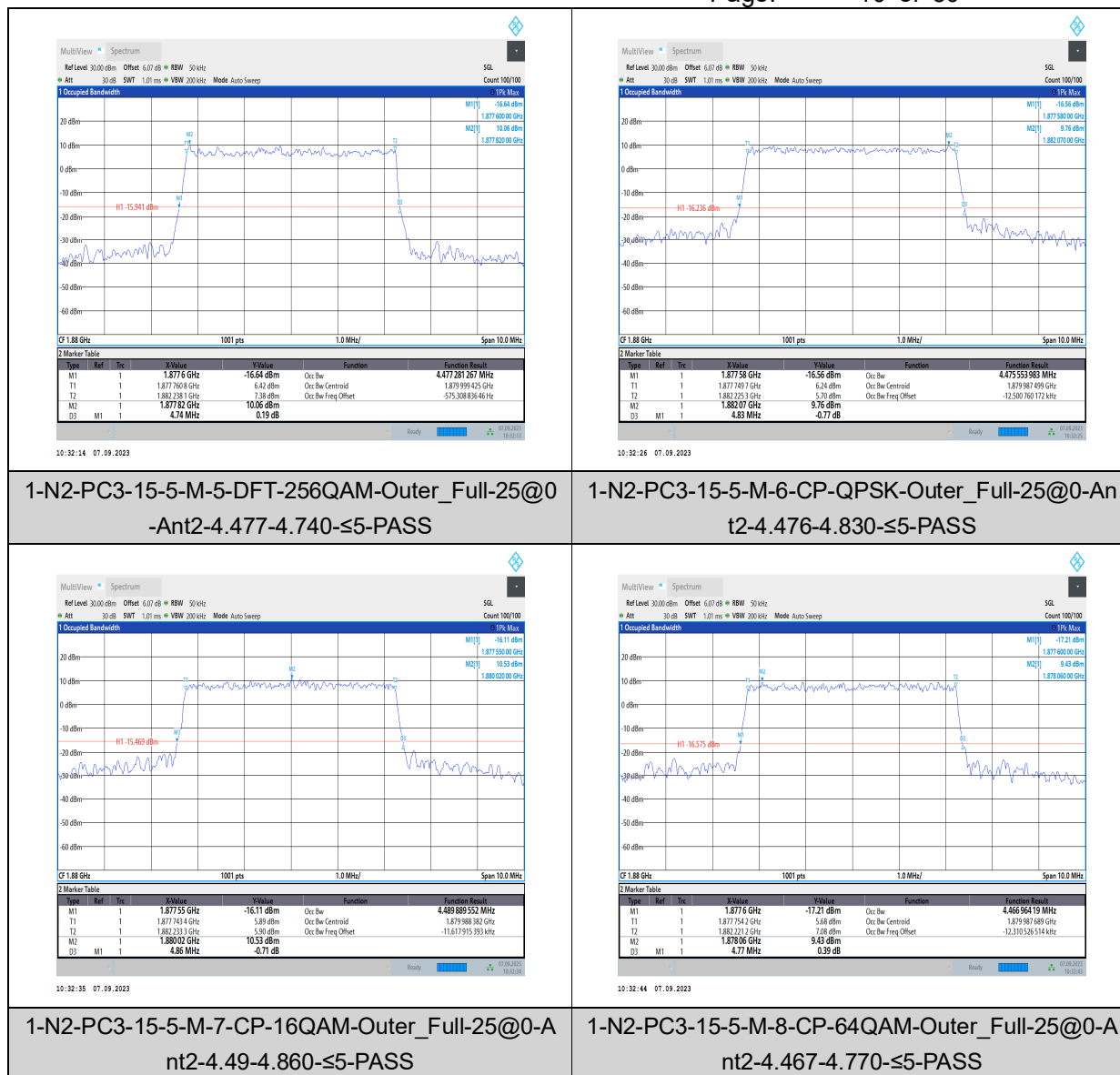
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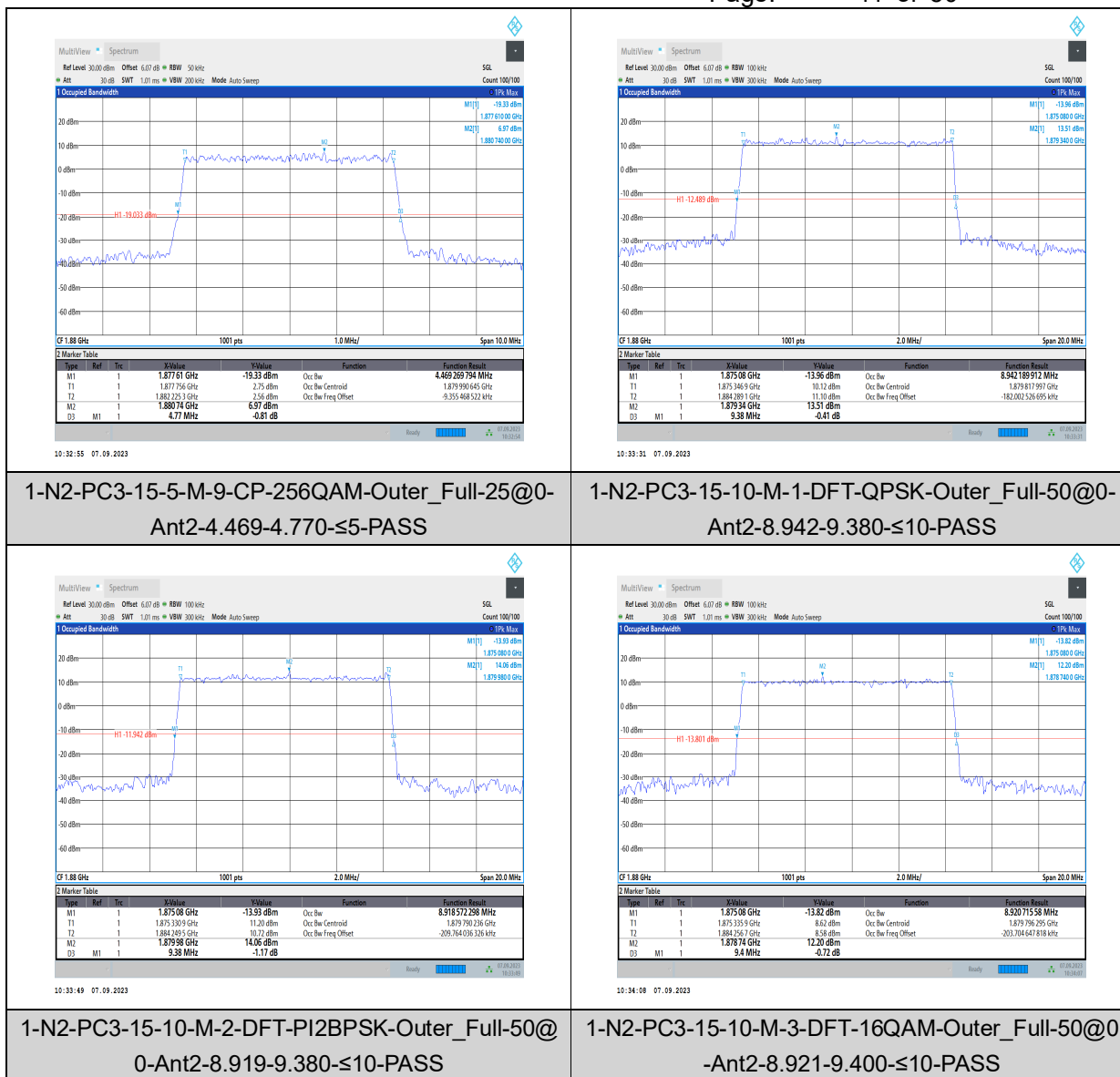
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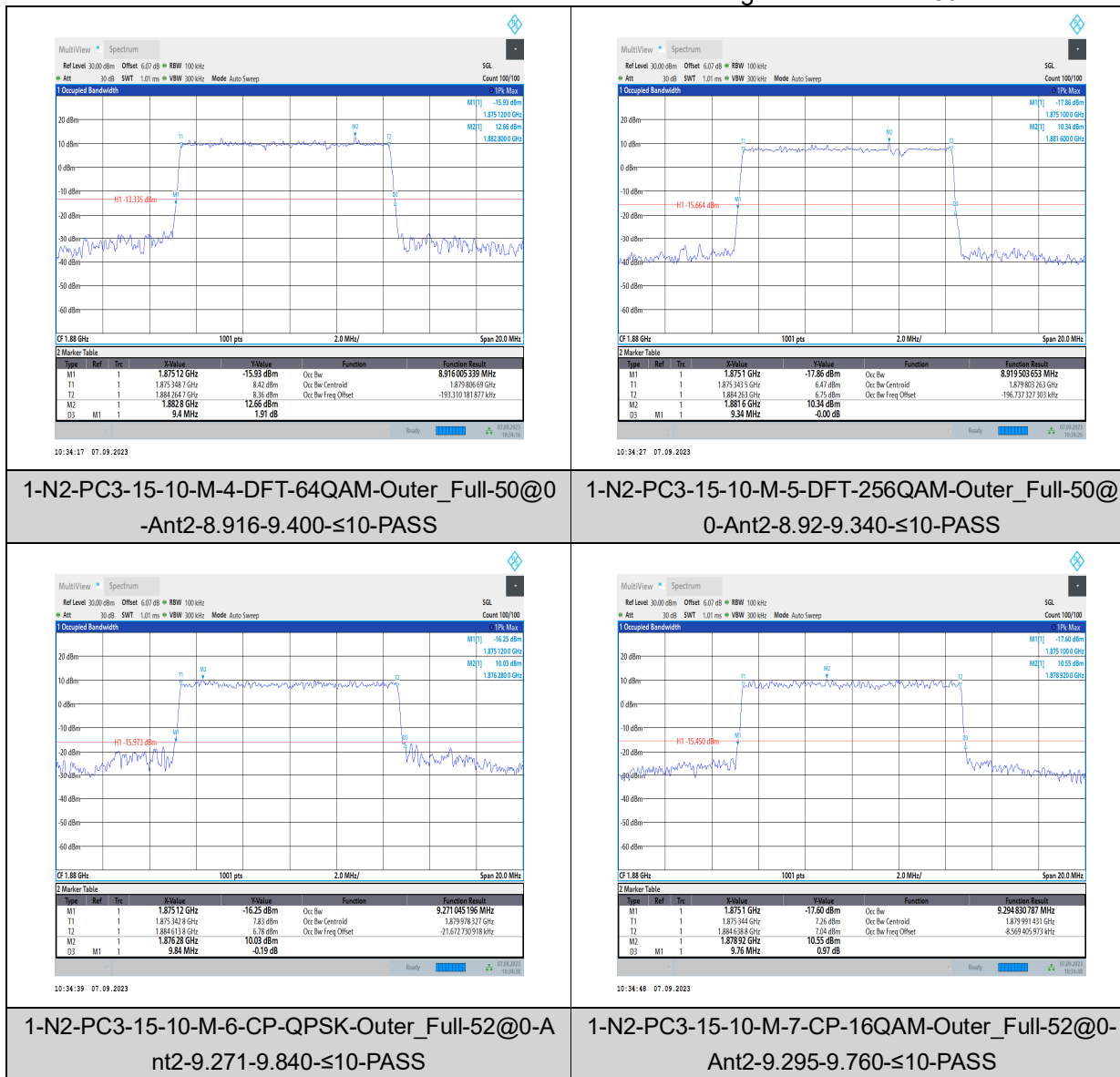
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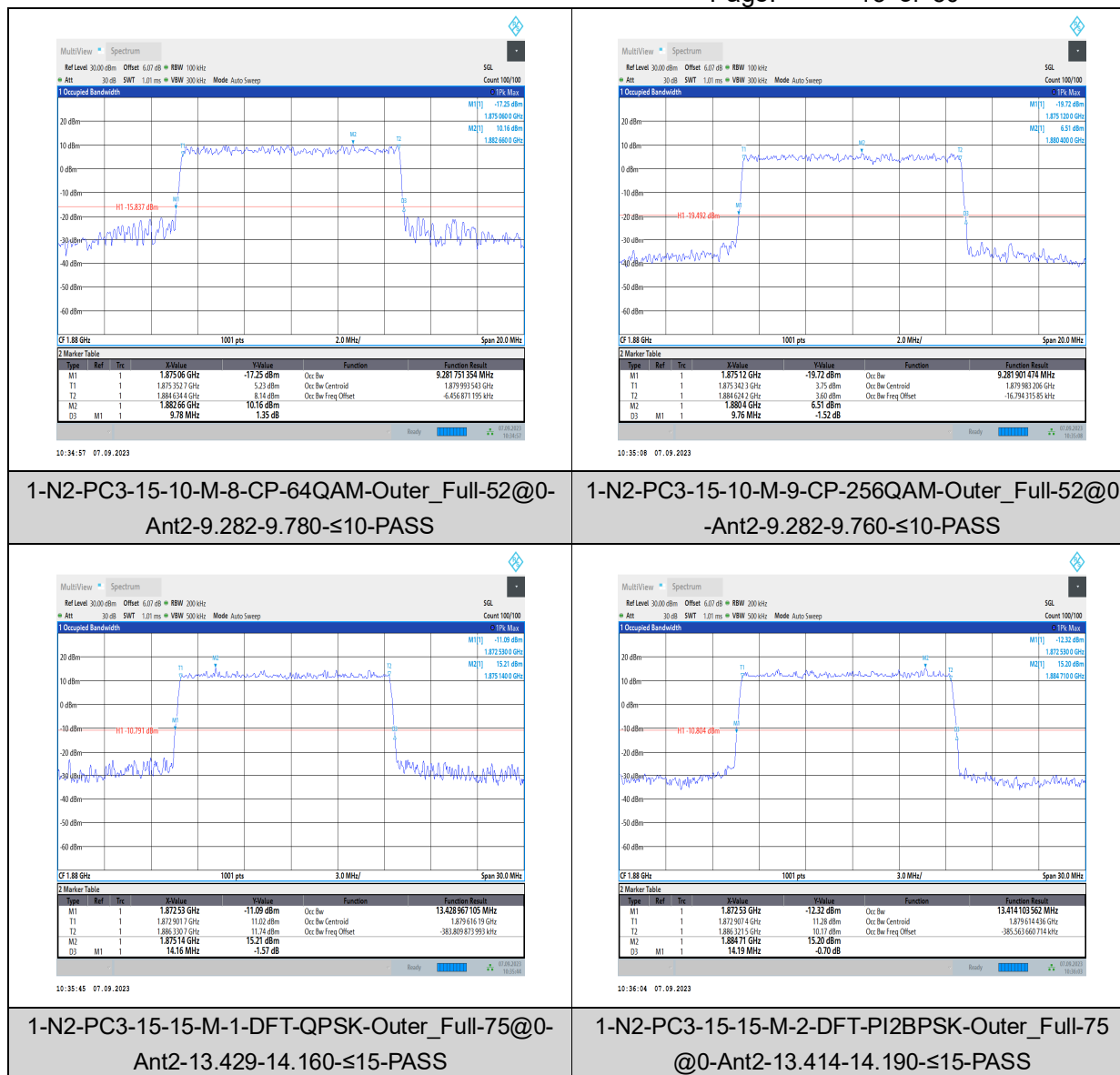
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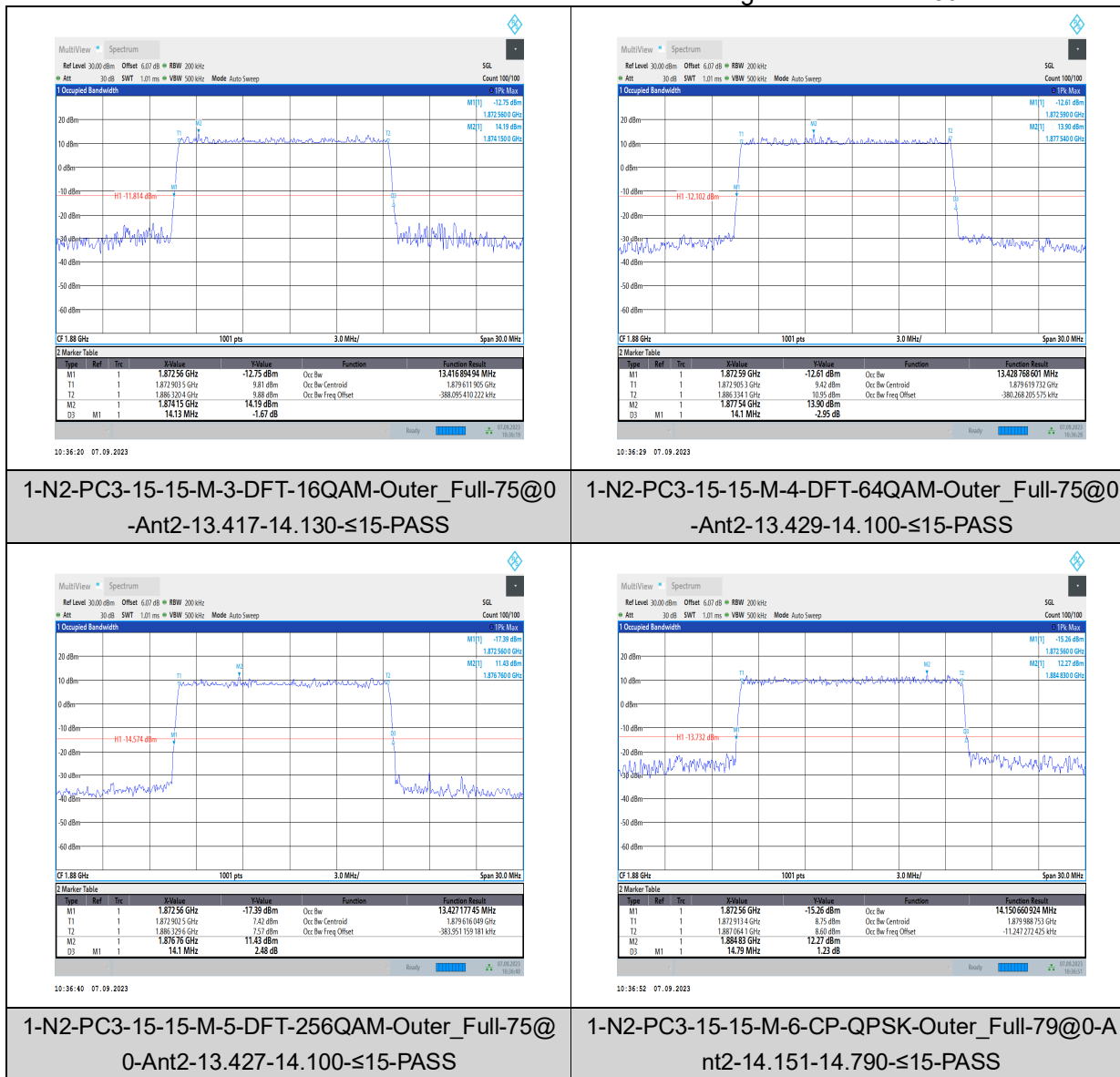
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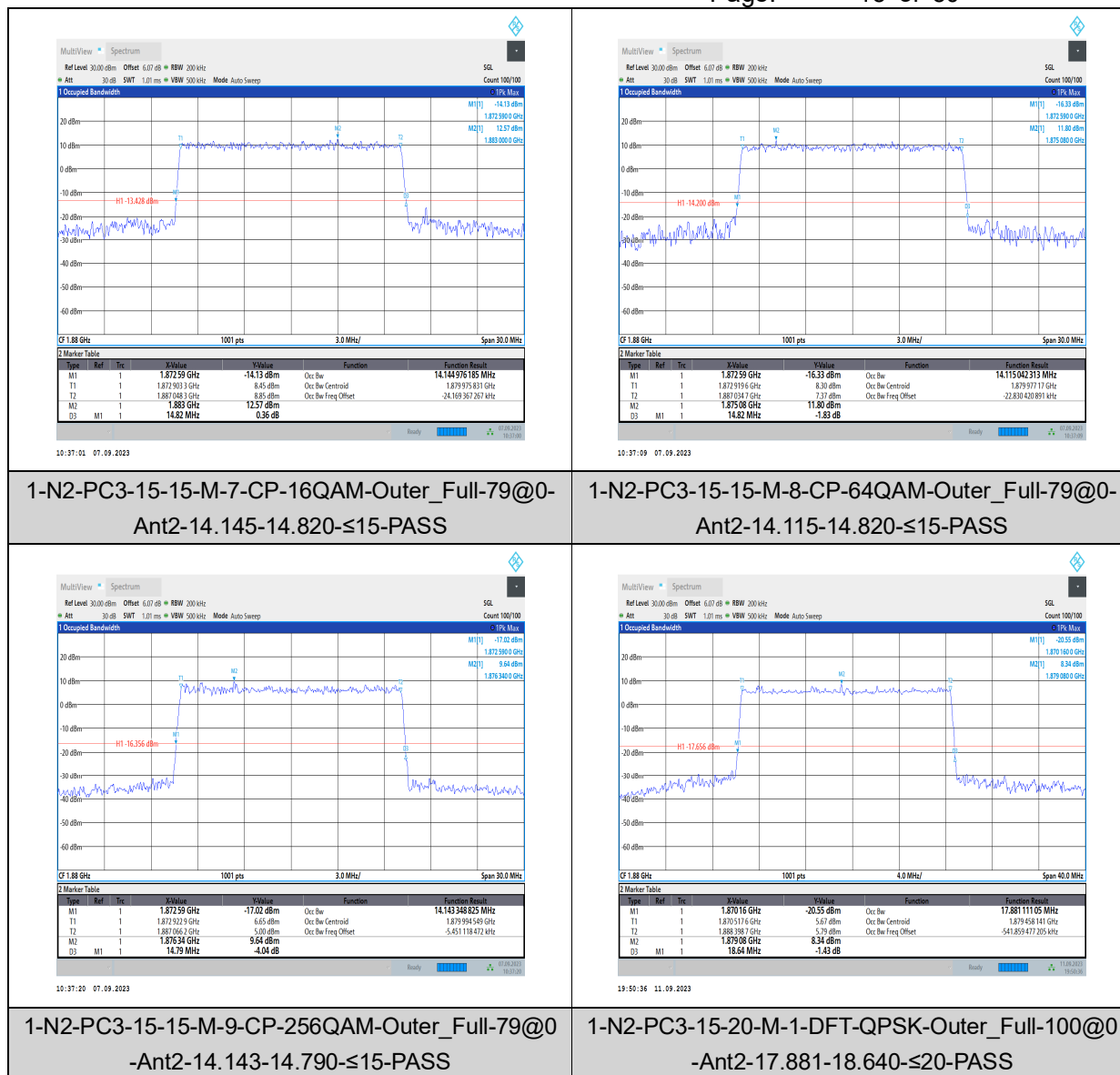
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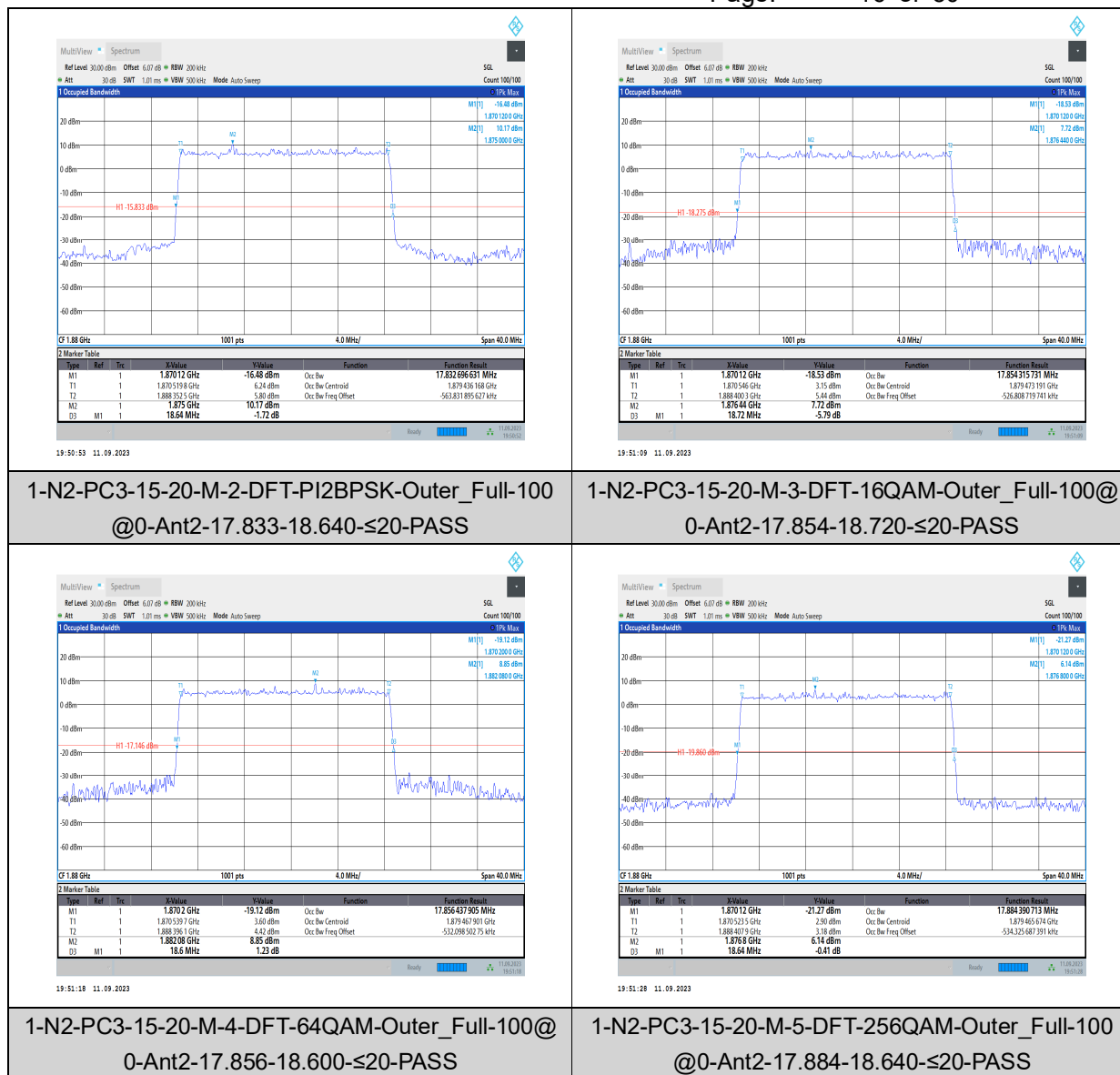
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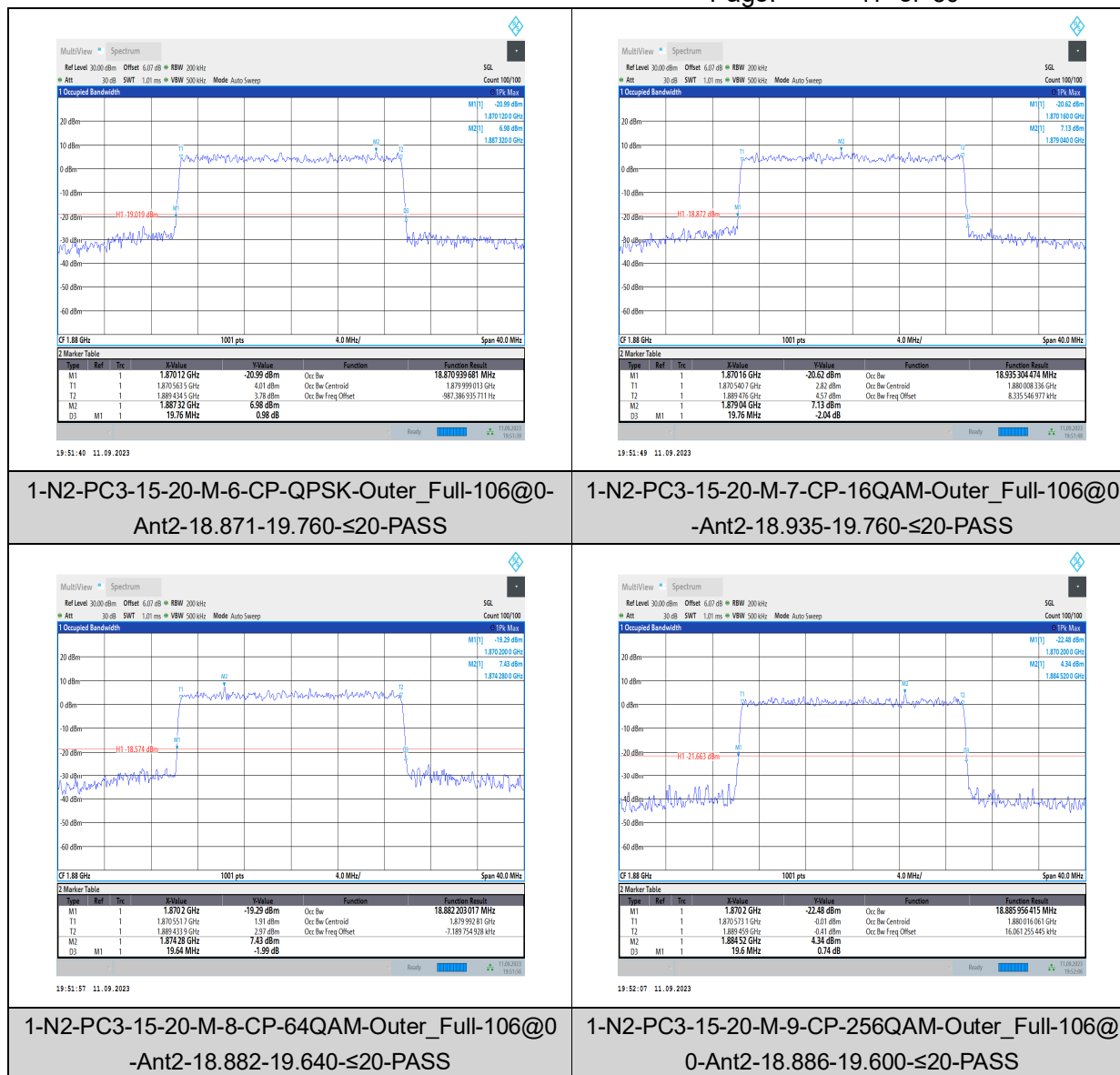
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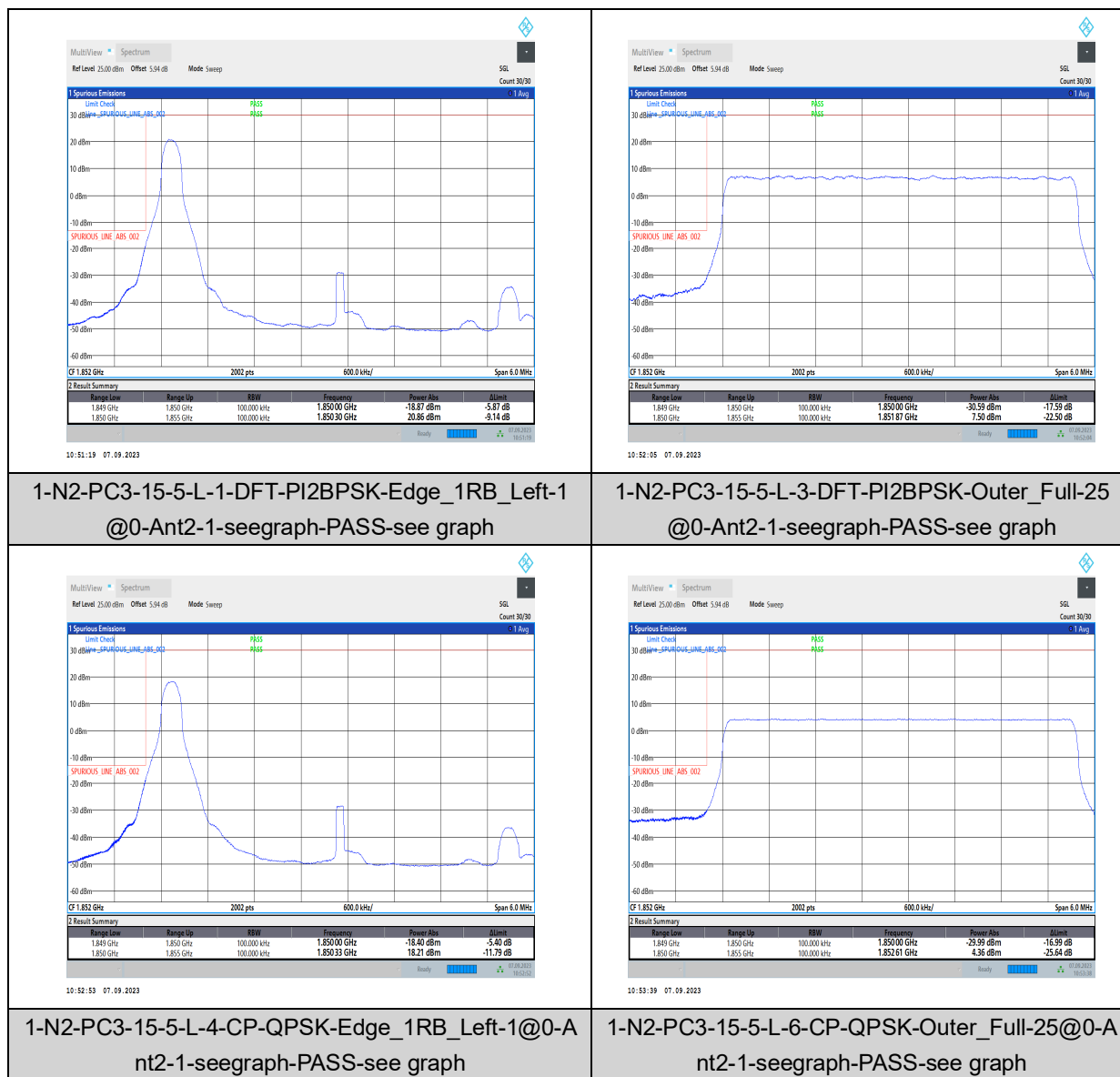
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Band Edge for SA

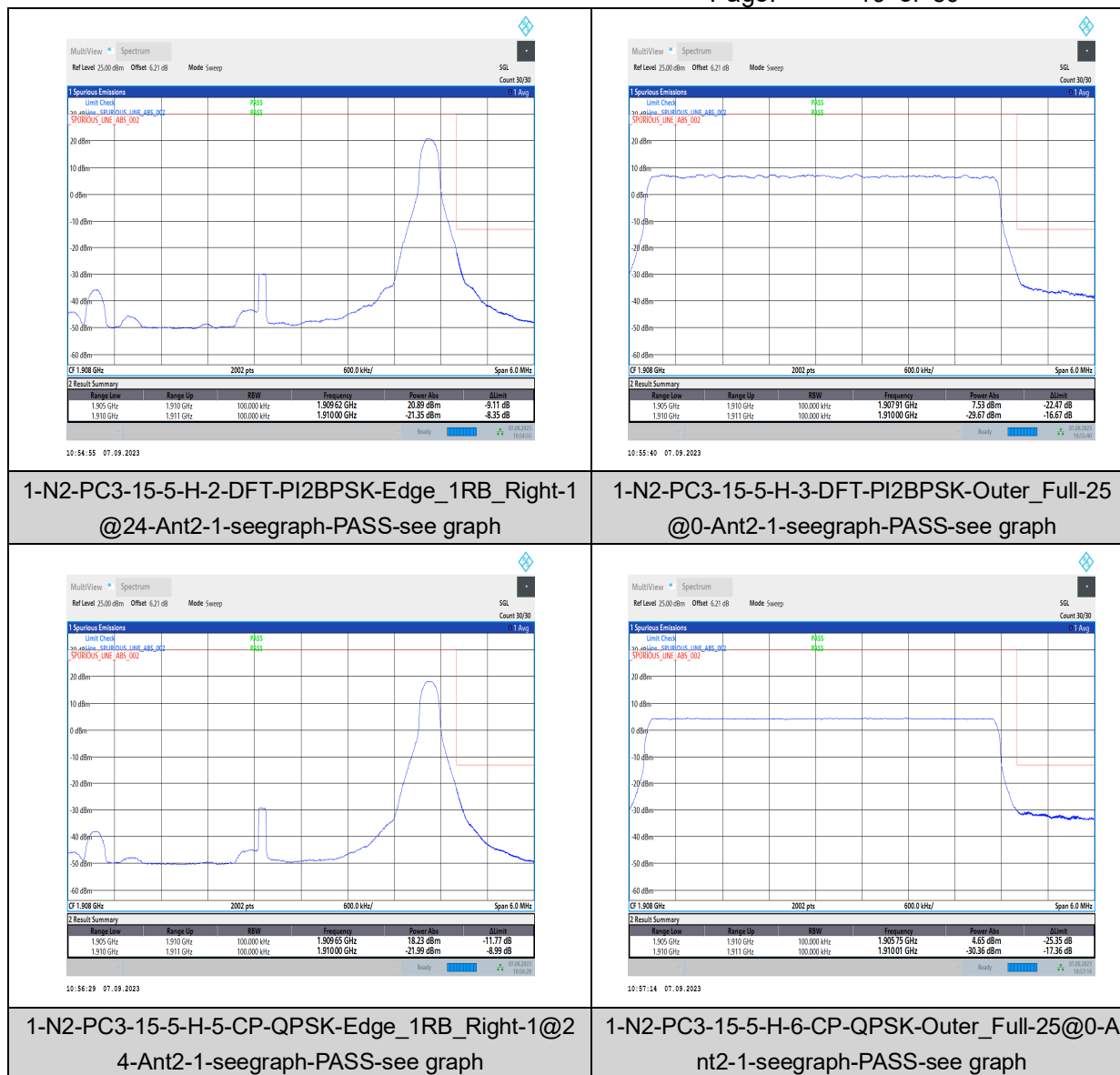
Test Graphs



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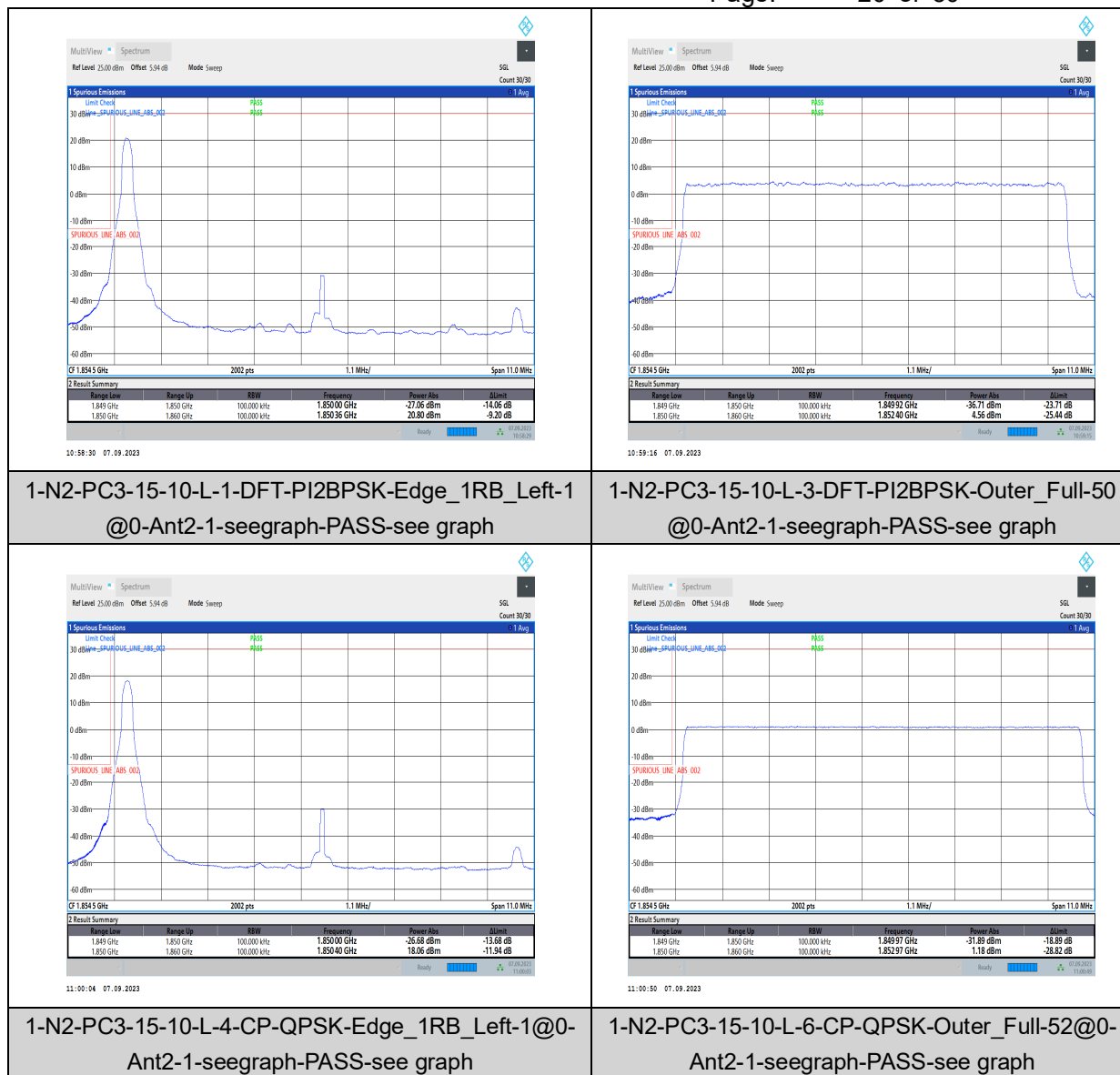
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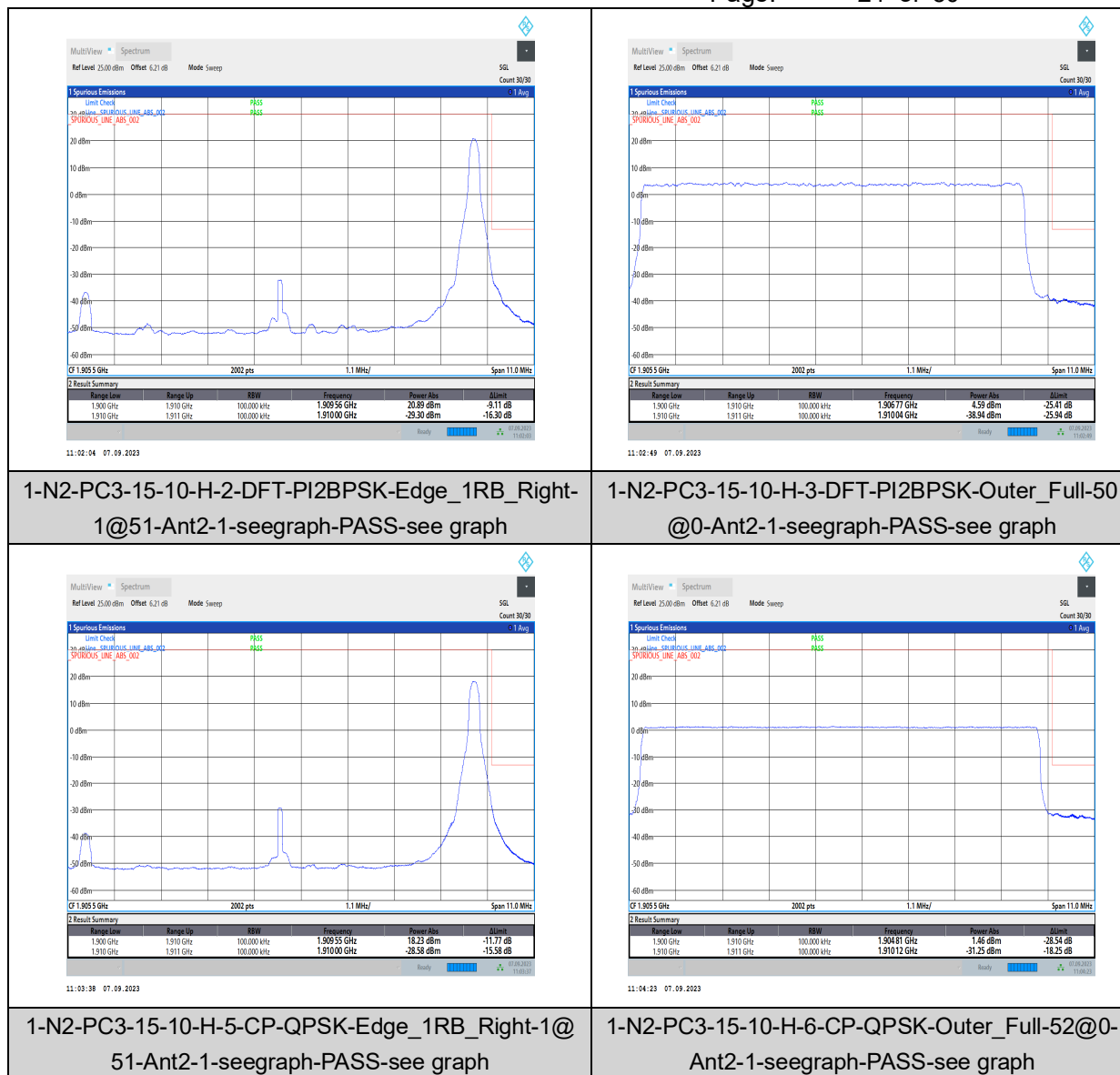
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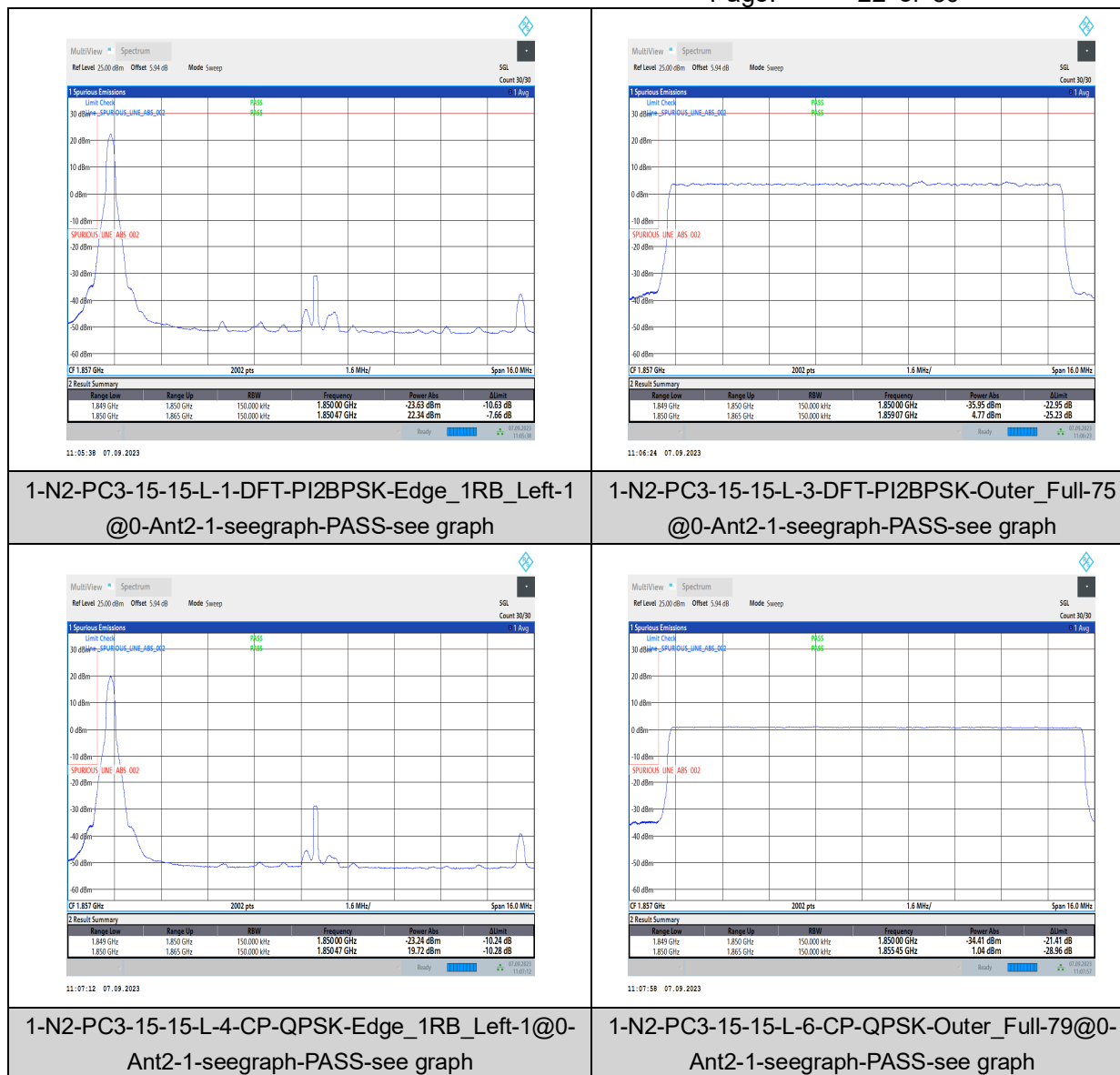
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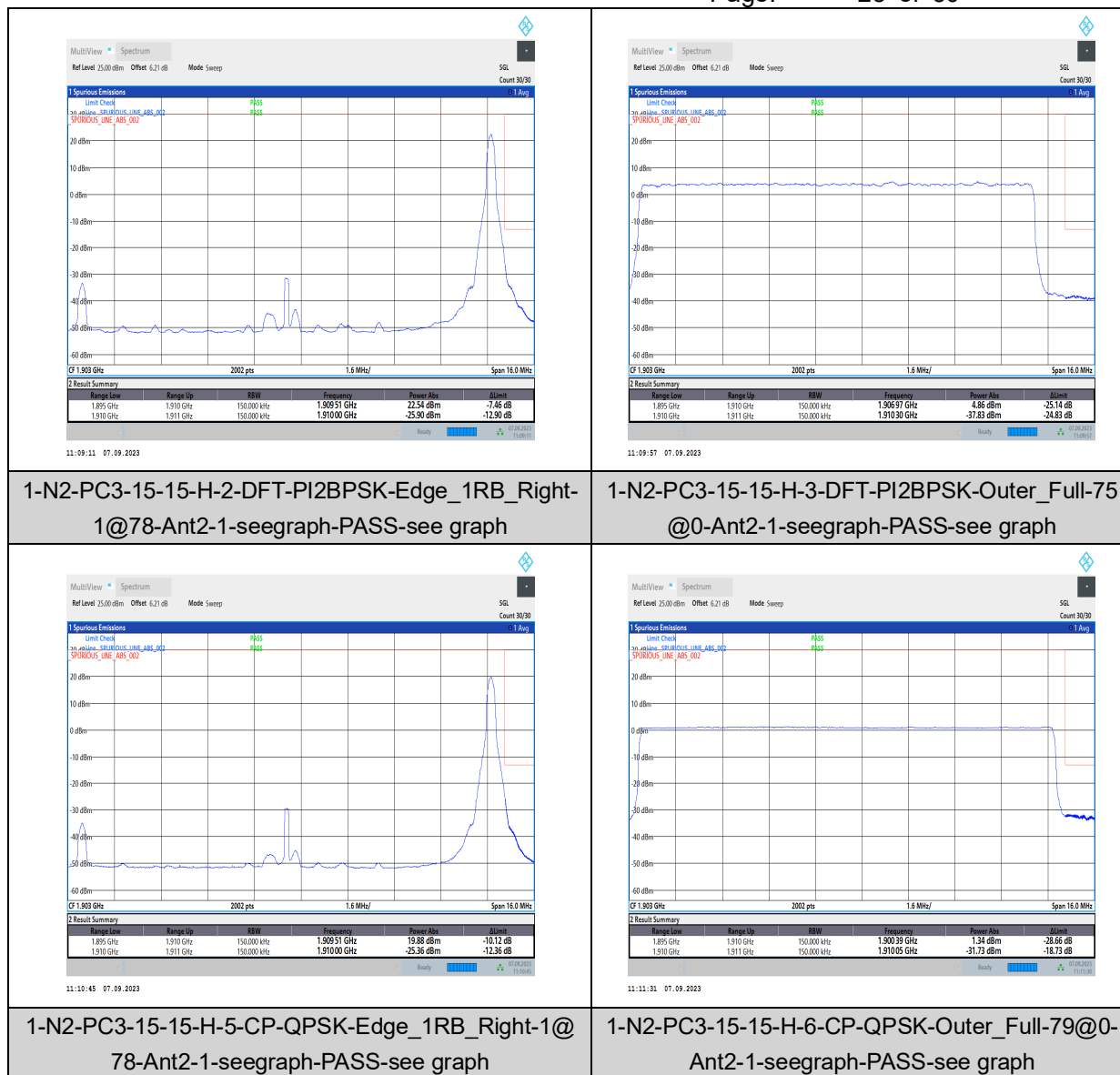
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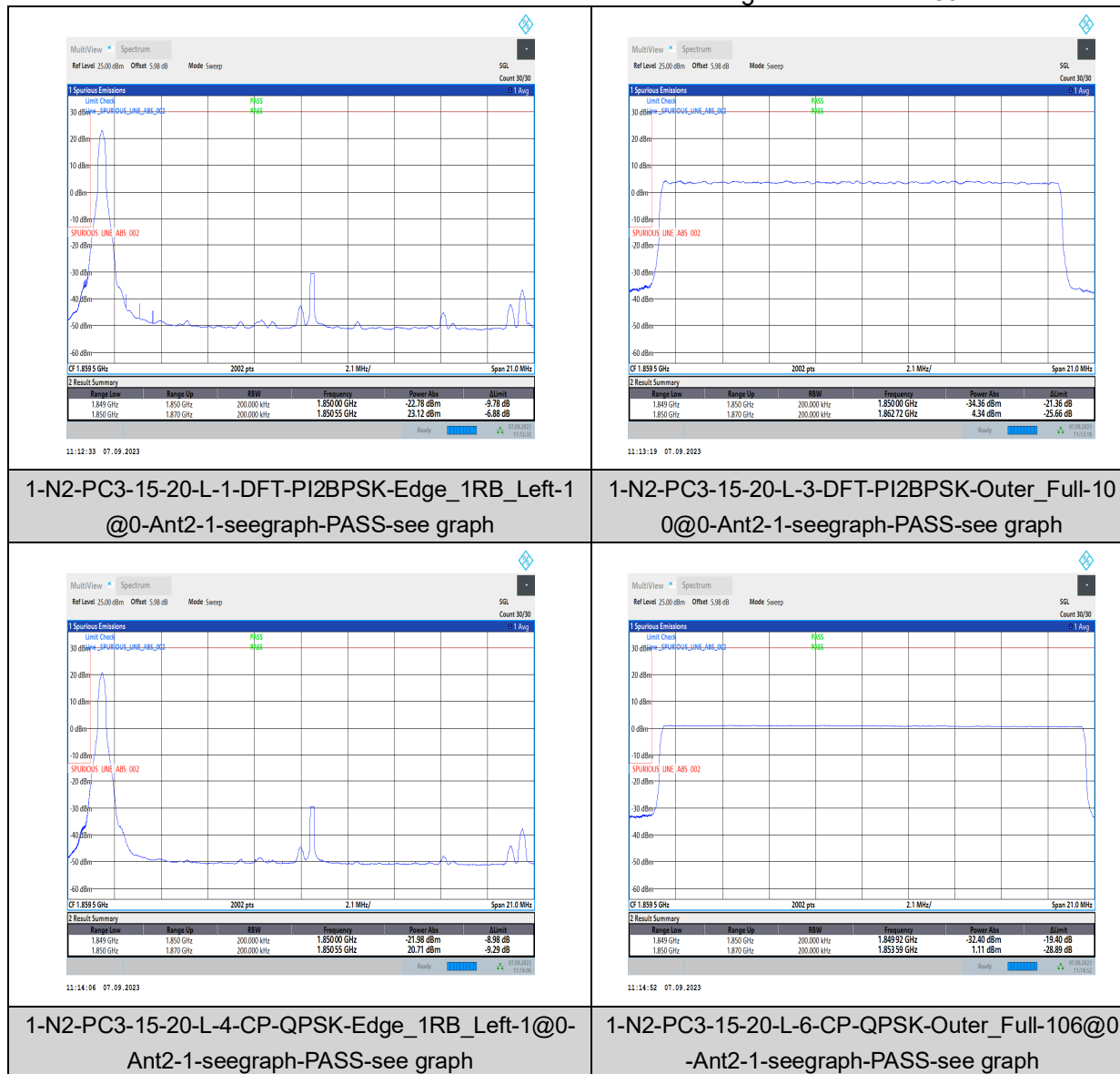
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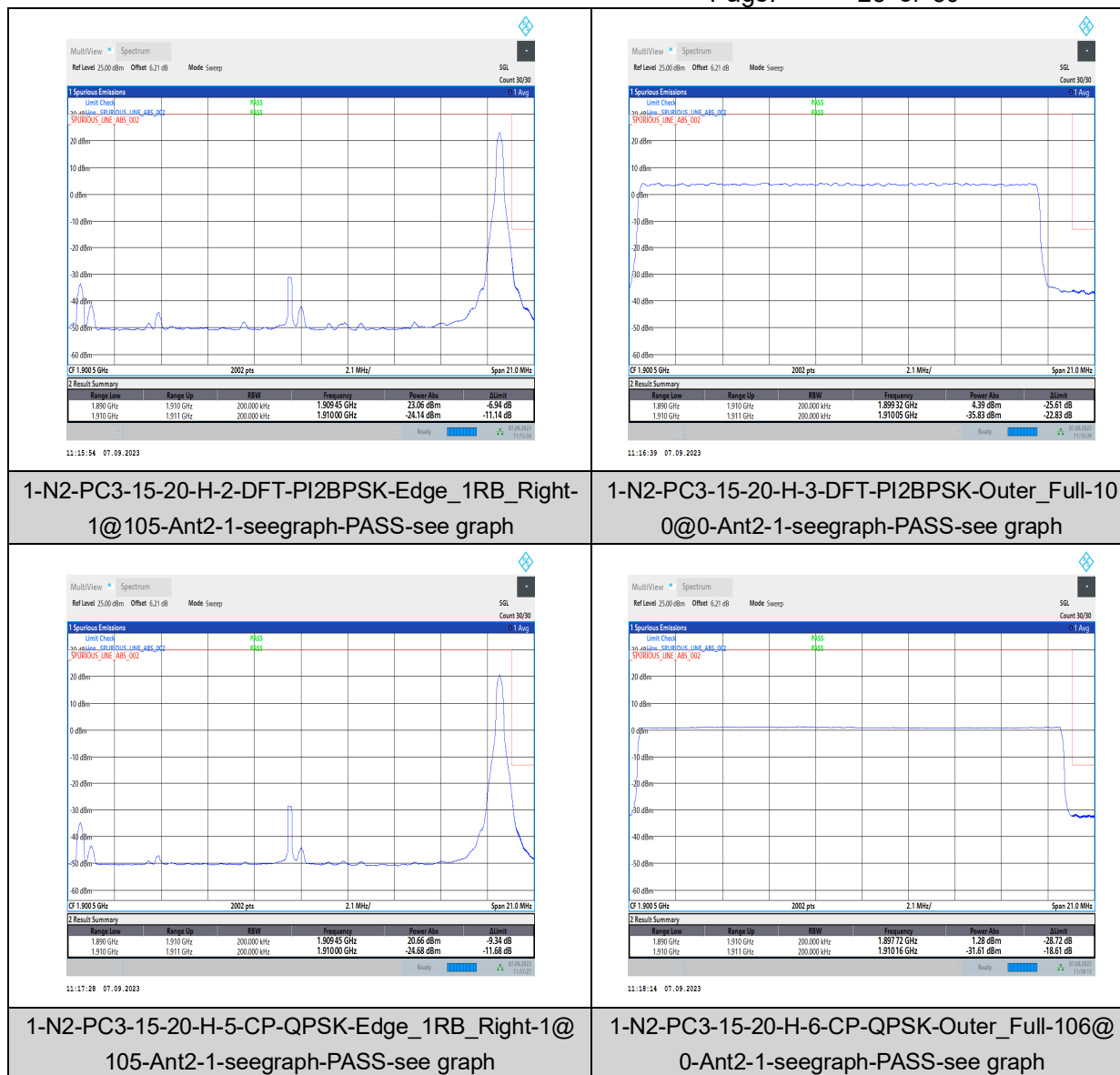
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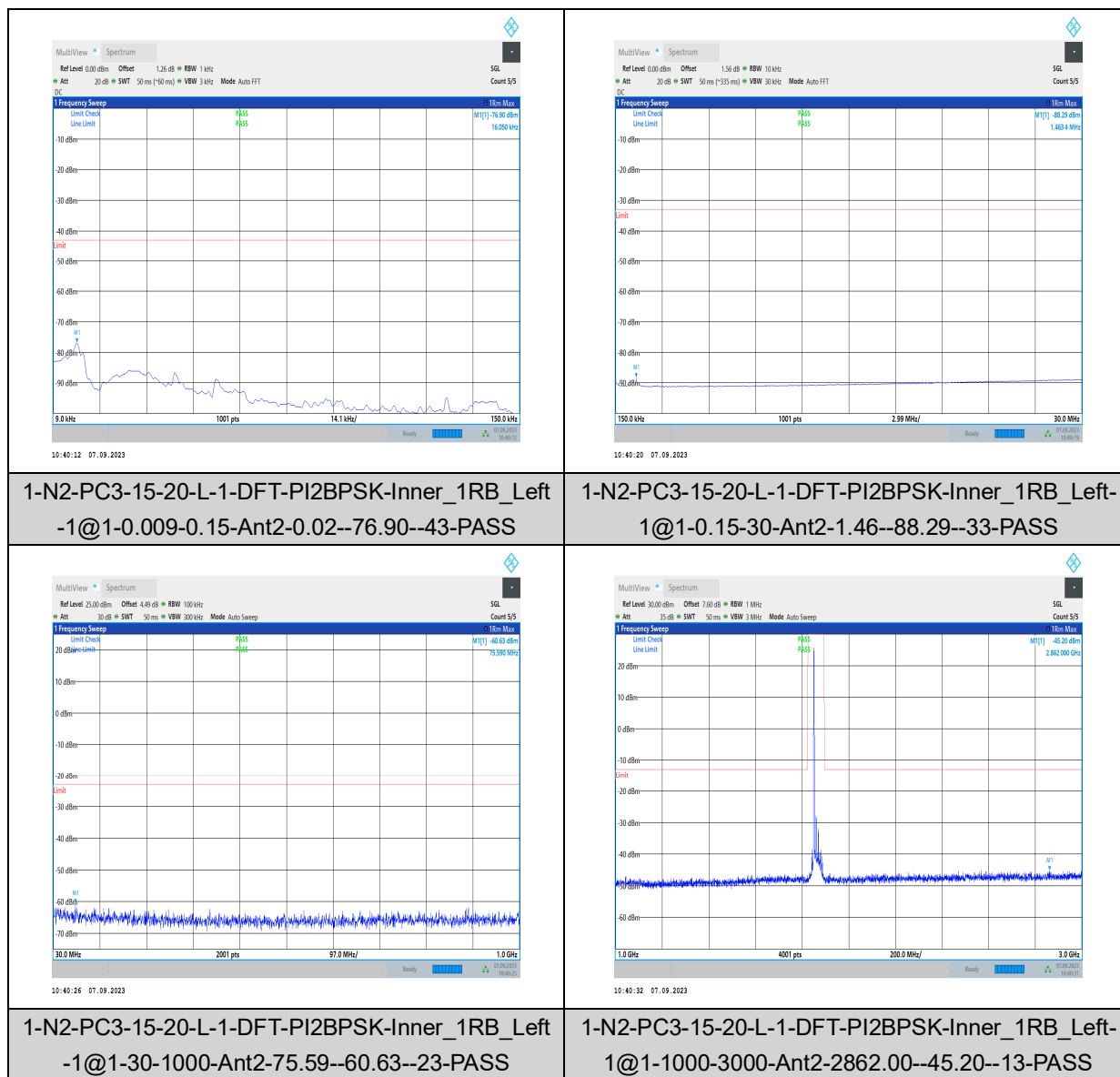
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Conducted Spurious Emission for SA

Test Graphs



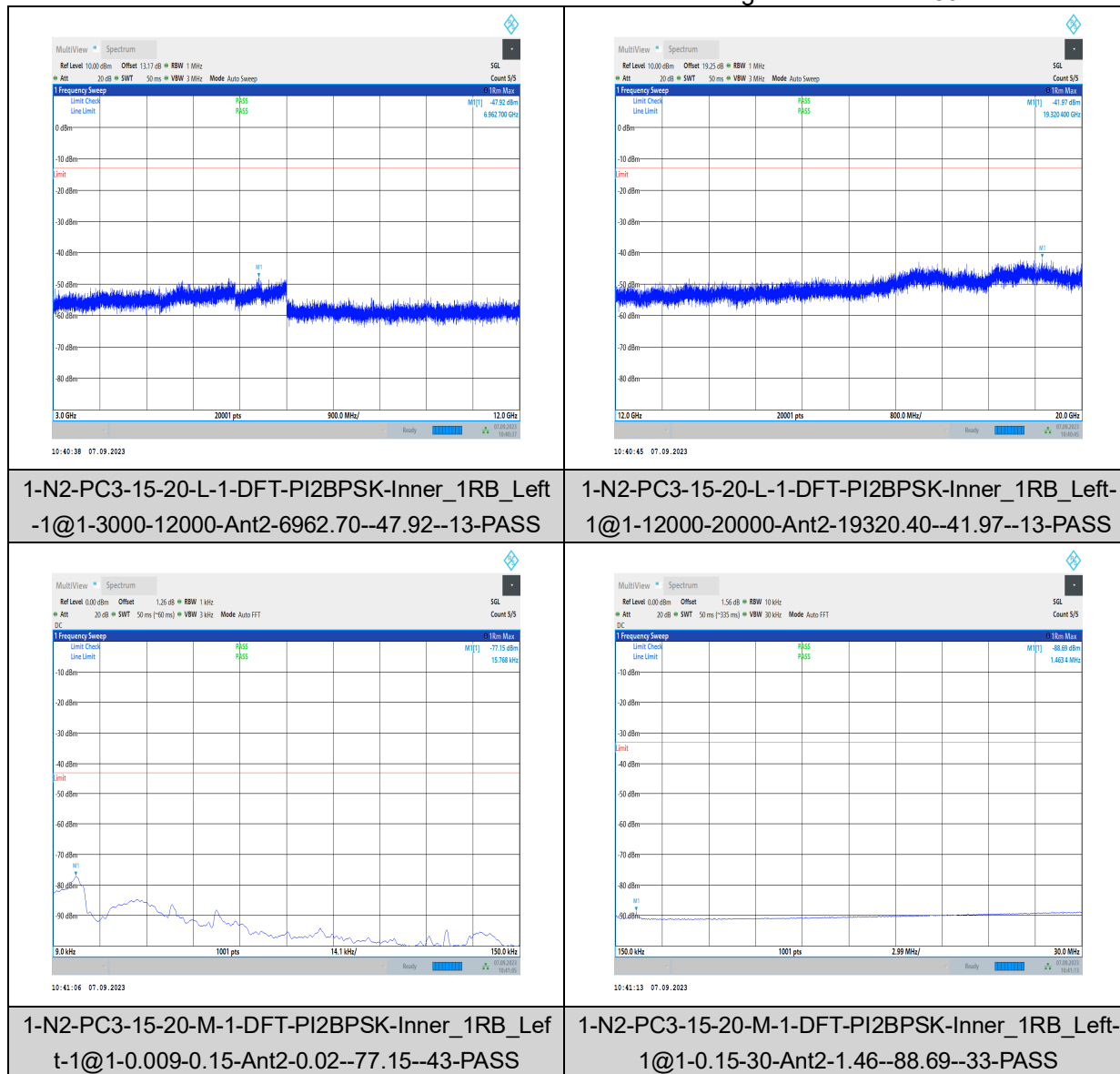
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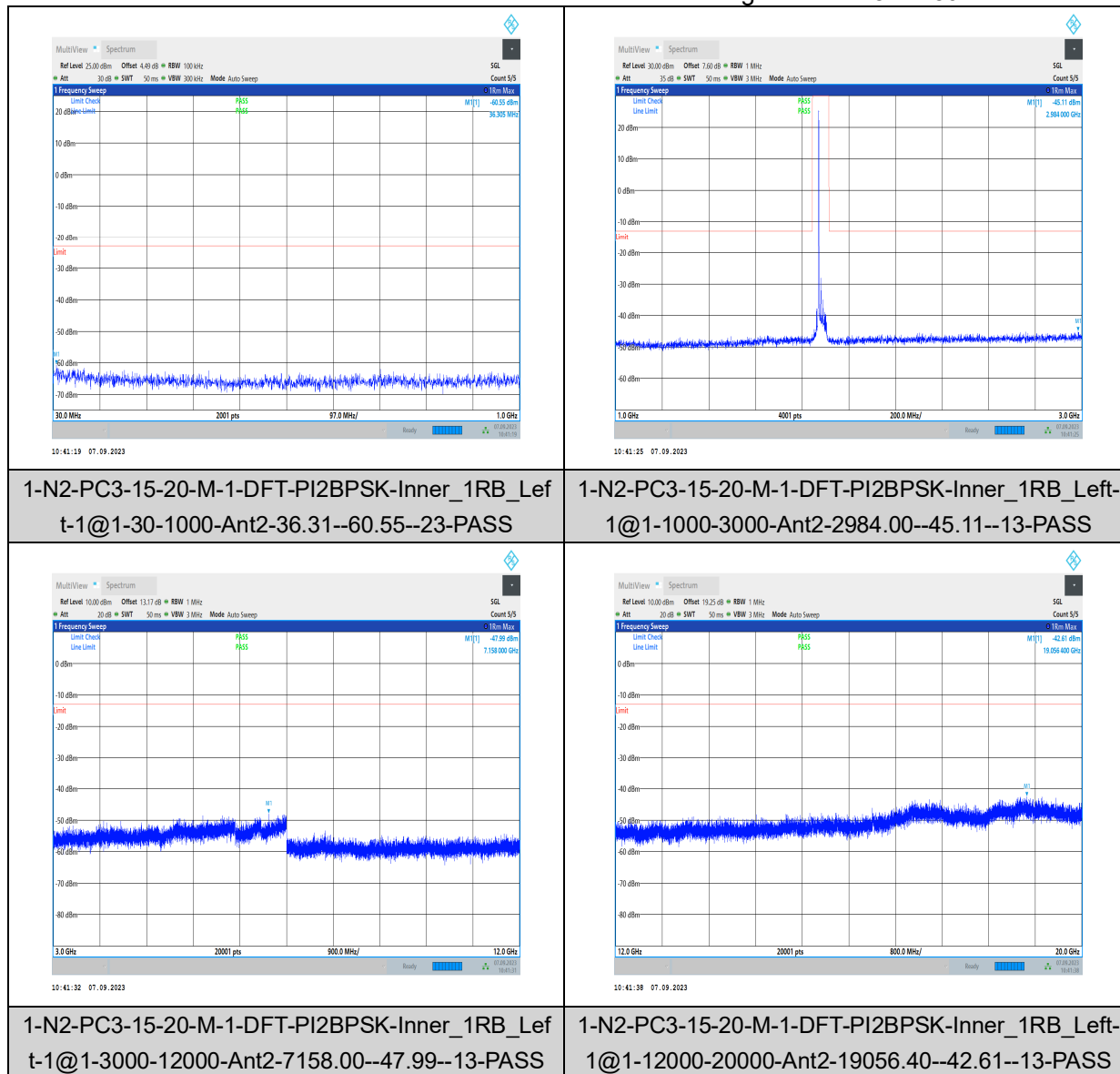
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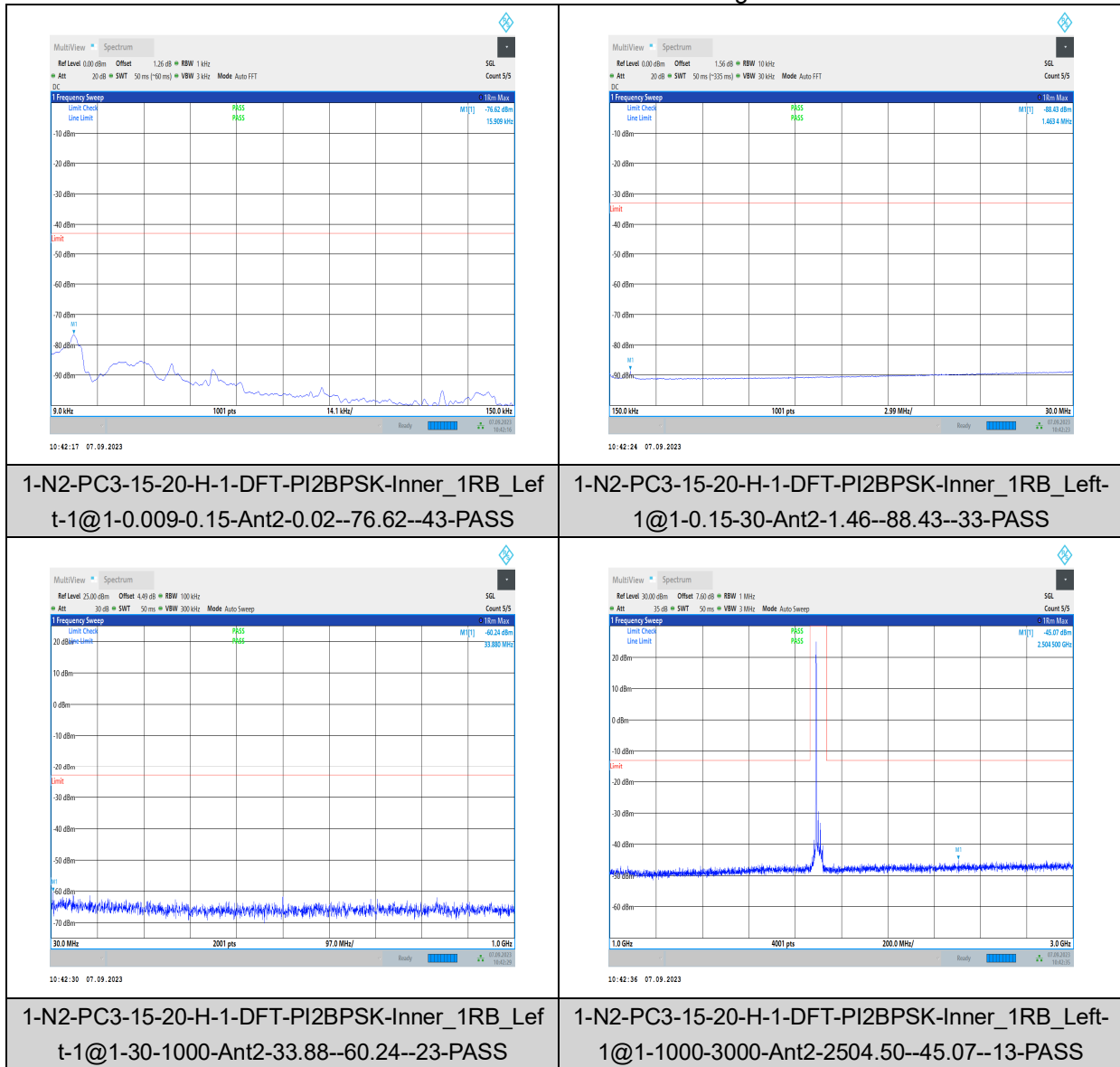
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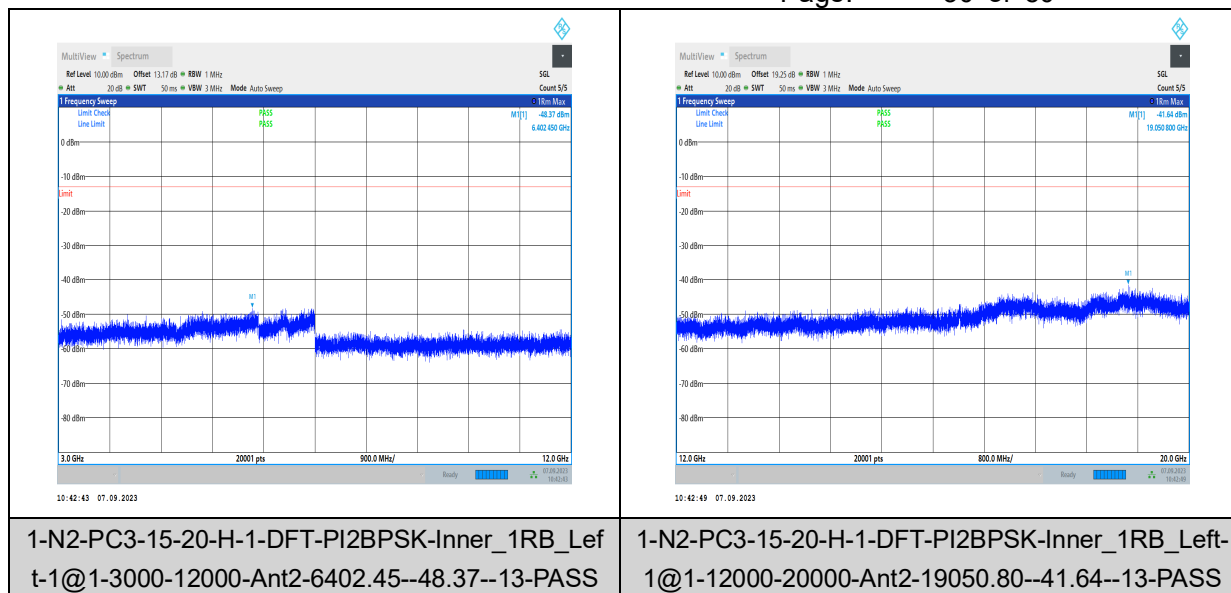
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Field Strength of Spurious Radiation

Test Band = SA Band 2_20MHz_ 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	3702.18	44.47	-48.50	28.98	-70.31	-13.00	57.31	Horizontal
2	5553.27	43.77	-47.66	32.71	-66.44	-13.00	53.44	Horizontal
3	7404.36	42.98	-46.17	36.57	-61.88	-13.00	48.88	Horizontal
4	9255.45	39.66	-43.17	37.83	-60.94	-13.00	47.94	Horizontal
5	11106.54	37.41	-40.36	39.38	-58.83	-13.00	45.83	Horizontal
6	12957.63	36.93	-39.41	38.63	-59.11	-13.00	46.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.32	-48.50	28.98	-70.46	-13.00	57.46	Vertical
2	5553.27	43.39	-47.66	32.71	-66.82	-13.00	53.82	Vertical
3	7404.36	42.48	-46.17	36.57	-62.38	-13.00	49.38	Vertical
4	9255.45	40.89	-43.17	37.83	-59.71	-13.00	46.71	Vertical
5	11106.54	37.47	-40.36	39.38	-58.77	-13.00	45.77	Vertical
6	12957.63	36.88	-39.41	38.63	-59.16	-13.00	46.16	Vertical



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Test Band = SA Band 2_20MHz_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	3742.18	44.72	-48.37	29.04	-69.87	-13.00	56.87	Horizontal
2	5613.27	43.51	-47.67	32.72	-66.70	-13.00	53.70	Horizontal
3	7484.36	42.57	-46.17	36.76	-62.10	-13.00	49.10	Horizontal
4	9355.45	40.26	-42.97	37.92	-60.05	-13.00	47.05	Horizontal
5	11226.54	37.58	-40.37	39.35	-58.70	-13.00	45.70	Horizontal
6	13097.63	36.93	-38.42	38.83	-57.92	-13.00	44.92	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	44.41	-48.37	29.04	-70.18	-13.00	57.18	Vertical
2	5613.27	43.97	-47.67	32.72	-66.24	-13.00	53.24	Vertical
3	7484.36	41.98	-46.17	36.76	-62.69	-13.00	49.69	Vertical
4	9355.45	41.06	-42.97	37.92	-59.25	-13.00	46.25	Vertical
5	11226.54	37.65	-40.37	39.35	-58.63	-13.00	45.63	Vertical
6	13097.63	36.36	-38.42	38.83	-58.49	-13.00	45.49	Vertical



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Test Band = SA Band 2_20MHz_ 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	3782.18	44.08	-48.24	29.10	-70.32	-13.00	57.32	Horizontal
2	5673.27	43.66	-47.55	32.73	-66.41	-13.00	53.41	Horizontal
3	7564.36	41.54	-45.14	36.72	-62.14	-13.00	49.14	Horizontal
4	9455.45	39.76	-42.67	38.01	-60.16	-13.00	47.16	Horizontal
5	11346.54	37.17	-40.28	39.33	-59.04	-13.00	46.04	Horizontal
6	13237.63	36.48	-38.85	39.15	-58.48	-13.00	45.48	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	43.67	-48.24	29.10	-70.73	-13.00	57.73	Vertical
2	5673.27	43.15	-47.55	32.73	-66.92	-13.00	53.92	Vertical
3	7564.36	41.66	-45.14	36.72	-62.02	-13.00	49.02	Vertical
4	9455.45	40.39	-42.67	38.01	-59.53	-13.00	46.53	Vertical
5	11346.54	37.81	-40.28	39.33	-58.40	-13.00	45.40	Vertical
6	13237.63	37.06	-38.85	39.15	-57.90	-13.00	44.90	Vertical



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Report No.: SEWM2308000314RG02
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Test Band = NSA DC_2A_n2A_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	3702.18	39.82	-43.01	30.29	-68.16	-13.00	55.16	Horizontal
2	5553.27	36.77	-40.67	33.28	-65.88	-13.00	52.88	Horizontal
3	7404.36	35.06	-37.88	36.49	-61.60	-13.00	48.60	Horizontal
4	9255.45	30.77	-34.28	37.68	-61.09	-13.00	48.09	Horizontal
5	11106.54	29.57	-30.26	38.40	-57.55	-13.00	44.55	Horizontal
6	12957.63	29.78	-29.72	39.55	-55.65	-13.00	42.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	39.44	-43.01	30.29	-68.54	-13.00	55.54	Vertical
2	5553.27	37.43	-40.67	33.28	-65.22	-13.00	52.22	Vertical
3	7404.36	35.77	-37.88	36.49	-60.89	-13.00	47.89	Vertical
4	9255.45	31.22	-34.28	37.68	-60.64	-13.00	47.64	Vertical
5	11106.54	30.15	-30.26	38.40	-56.97	-13.00	43.97	Vertical
6	12957.63	29.93	-29.72	39.55	-55.50	-13.00	42.50	Vertical



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Test Band = NSA DC_2A_n2A_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	3742.18	38.42	-42.96	30.42	-69.38	-13.00	56.38	Horizontal
2	5613.27	36.56	-40.69	33.49	-65.90	-13.00	52.90	Horizontal
3	7484.36	34.38	-37.80	36.58	-62.09	-13.00	49.09	Horizontal
4	9355.45	32.07	-33.93	37.71	-59.42	-13.00	46.42	Horizontal
5	11226.54	29.24	-30.19	38.40	-57.81	-13.00	44.81	Horizontal
6	13097.63	29.13	-29.42	39.67	-55.88	-13.00	42.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	39.58	-42.96	30.42	-68.22	-13.00	55.22	Vertical
2	5613.27	36.53	-40.69	33.49	-65.93	-13.00	52.93	Vertical
3	7484.36	34.44	-37.80	36.58	-62.03	-13.00	49.03	Vertical
4	9355.45	31.72	-33.93	37.71	-59.77	-13.00	46.77	Vertical
5	11226.54	30.52	-30.19	38.40	-56.53	-13.00	43.53	Vertical
6	13097.63	29.53	-29.42	39.67	-55.48	-13.00	42.48	Vertical



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Test Band = NSA DC_2A_n2A_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	3782.18	38.46	-42.92	30.56	-69.16	-13.00	56.16	Horizontal
2	5673.27	36.32	-40.55	33.69	-65.80	-13.00	52.80	Horizontal
3	7564.36	35.23	-37.74	36.66	-61.11	-13.00	48.11	Horizontal
4	9455.45	32.29	-33.82	37.74	-59.06	-13.00	46.06	Horizontal
5	11346.54	29.26	-30.19	38.40	-57.79	-13.00	44.79	Horizontal
6	13237.63	29.10	-29.40	39.77	-55.80	-13.00	42.80	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	38.94	-42.92	30.56	-68.68	-13.00	55.68	Vertical
2	5673.27	36.44	-40.55	33.69	-65.68	-13.00	52.68	Vertical
3	7564.36	34.83	-37.74	36.66	-61.51	-13.00	48.51	Vertical
4	9455.45	32.93	-33.82	37.74	-58.42	-13.00	45.42	Vertical
5	11346.54	30.29	-30.19	38.40	-56.76	-13.00	43.76	Vertical
6	13237.63	28.94	-29.40	39.77	-55.96	-13.00	42.96	Vertical



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Test Band = NSA DC_5A_n2A_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	3702.18	43.78	-48.50	28.98	-71.00	-13.00	58.00	Horizontal
2	5553.27	43.77	-47.66	32.71	-66.44	-13.00	53.44	Horizontal
3	7404.36	43.01	-46.17	36.57	-61.85	-13.00	48.85	Horizontal
4	9255.45	39.43	-43.17	37.83	-61.17	-13.00	48.17	Horizontal
5	11106.54	37.11	-40.36	39.38	-59.13	-13.00	46.13	Horizontal
6	12957.63	36.45	-39.41	38.63	-59.59	-13.00	46.59	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.53	-48.50	28.98	-70.25	-13.00	57.25	Vertical
2	5553.27	43.99	-47.66	32.71	-66.22	-13.00	53.22	Vertical
3	7404.36	42.35	-46.17	36.57	-62.51	-13.00	49.51	Vertical
4	9255.45	40.19	-43.17	37.83	-60.41	-13.00	47.41	Vertical
5	11106.54	37.48	-40.36	39.38	-58.76	-13.00	45.76	Vertical
6	12957.63	36.52	-39.41	38.63	-59.52	-13.00	46.52	Vertical



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Test Band = NSA DC_5A_n2A_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	3742.18	44.63	-48.37	29.04	-69.96	-13.00	56.96	Horizontal
2	5613.27	43.14	-47.67	32.72	-67.07	-13.00	54.07	Horizontal
3	7484.36	41.54	-46.17	36.76	-63.13	-13.00	50.13	Horizontal
4	9355.45	40.21	-42.97	37.92	-60.10	-13.00	47.10	Horizontal
5	11226.54	37.40	-40.37	39.35	-58.88	-13.00	45.88	Horizontal
6	13097.63	36.00	-38.42	38.83	-58.85	-13.00	45.85	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	44.66	-48.37	29.04	-69.93	-13.00	56.93	Vertical
2	5613.27	43.54	-47.67	32.72	-66.67	-13.00	53.67	Vertical
3	7484.36	41.61	-46.17	36.76	-63.06	-13.00	50.06	Vertical
4	9355.45	40.22	-42.97	37.92	-60.09	-13.00	47.09	Vertical
5	11226.54	37.25	-40.37	39.35	-59.03	-13.00	46.03	Vertical
6	13097.63	35.99	-38.42	38.83	-58.86	-13.00	45.86	Vertical



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Test Band = NSA DC_5A_n2A_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	3782.18	43.73	-48.24	29.10	-70.67	-13.00	57.67	Horizontal
2	5673.27	42.59	-47.55	32.73	-67.48	-13.00	54.48	Horizontal
3	7564.36	40.87	-45.14	36.72	-62.81	-13.00	49.81	Horizontal
4	9455.45	39.34	-42.67	38.01	-60.58	-13.00	47.58	Horizontal
5	11346.54	37.14	-40.28	39.33	-59.07	-13.00	46.07	Horizontal
6	13237.63	36.55	-38.85	39.15	-58.41	-13.00	45.41	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	43.90	-48.24	29.10	-70.50	-13.00	57.50	Vertical
2	5673.27	42.85	-47.55	32.73	-67.22	-13.00	54.22	Vertical
3	7564.36	41.03	-45.14	36.72	-62.65	-13.00	49.65	Vertical
4	9455.45	40.08	-42.67	38.01	-59.84	-13.00	46.84	Vertical
5	11346.54	37.15	-40.28	39.33	-59.06	-13.00	46.06	Vertical
6	13237.63	37.06	-38.85	39.15	-57.90	-13.00	44.90	Vertical



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Test Band = NSA DC_12A_n2A_ 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	3702.18	44.16	-48.50	28.98	-70.62	-13.00	57.62	Horizontal
2	5553.27	43.75	-47.66	32.71	-66.46	-13.00	53.46	Horizontal
3	7404.36	43.20	-46.17	36.57	-61.66	-13.00	48.66	Horizontal
4	9255.45	40.11	-43.17	37.83	-60.49	-13.00	47.49	Horizontal
5	11106.54	37.65	-40.36	39.38	-58.59	-13.00	45.59	Horizontal
6	12957.63	37.05	-39.41	38.63	-58.99	-13.00	45.99	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.22	-48.50	28.98	-70.56	-13.00	57.56	Vertical
2	5553.27	43.32	-47.66	32.71	-66.89	-13.00	53.89	Vertical
3	7404.36	43.13	-46.17	36.57	-61.73	-13.00	48.73	Vertical
4	9255.45	40.65	-43.17	37.83	-59.95	-13.00	46.95	Vertical
5	11106.54	37.21	-40.36	39.38	-59.03	-13.00	46.03	Vertical
6	12957.63	36.53	-39.41	38.63	-59.51	-13.00	46.51	Vertical



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Test Band = NSA DC_12A_n2A_ 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	3742.18	44.45	-48.37	29.04	-70.14	-13.00	57.14	Horizontal
2	5613.27	43.33	-47.67	32.72	-66.88	-13.00	53.88	Horizontal
3	7484.36	41.92	-46.17	36.76	-62.75	-13.00	49.75	Horizontal
4	9355.45	40.39	-42.97	37.92	-59.92	-13.00	46.92	Horizontal
5	11226.54	38.04	-40.37	39.35	-58.24	-13.00	45.24	Horizontal
6	13097.63	36.39	-38.42	38.83	-58.46	-13.00	45.46	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	44.29	-48.37	29.04	-70.30	-13.00	57.30	Vertical
2	5613.27	43.43	-47.67	32.72	-66.78	-13.00	53.78	Vertical
3	7484.36	42.06	-46.17	36.76	-62.61	-13.00	49.61	Vertical
4	9355.45	40.50	-42.97	37.92	-59.81	-13.00	46.81	Vertical
5	11226.54	38.19	-40.37	39.35	-58.09	-13.00	45.09	Vertical
6	13097.63	36.98	-38.42	38.83	-57.87	-13.00	44.87	Vertical



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Test Band = NSA DC_12A_n2A_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	3782.18	44.20	-48.24	29.10	-70.20	-13.00	57.20	Horizontal
2	5673.27	42.87	-47.55	32.73	-67.20	-13.00	54.20	Horizontal
3	7564.36	40.99	-45.14	36.72	-62.69	-13.00	49.69	Horizontal
4	9455.45	39.76	-42.67	38.01	-60.16	-13.00	47.16	Horizontal
5	11346.54	37.15	-40.28	39.33	-59.06	-13.00	46.06	Horizontal
6	13237.63	36.33	-38.85	39.15	-58.63	-13.00	45.63	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	43.77	-48.24	29.10	-70.63	-13.00	57.63	Vertical
2	5673.27	43.11	-47.55	32.73	-66.96	-13.00	53.96	Vertical
3	7564.36	40.89	-45.14	36.72	-62.79	-13.00	49.79	Vertical
4	9455.45	39.79	-42.67	38.01	-60.13	-13.00	47.13	Vertical
5	11346.54	37.72	-40.28	39.33	-58.49	-13.00	45.49	Vertical
6	13237.63	36.57	-38.85	39.15	-58.39	-13.00	45.39	Vertical



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Report No.: SEWM2308000314RG02
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Test Band = NSA DC_30A_n2A_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	4610.68	44.14	-48.00	30.57	-68.55	-40.00	28.55	Horizontal
2	6916.02	43.78	-46.71	35.42	-62.77	-40.00	22.77	Horizontal
3	9221.36	39.64	-43.40	37.80	-61.22	-40.00	21.22	Horizontal
4	11526.7	37.28	-39.98	39.29	-58.67	-40.00	18.67	Horizontal
5	13832.04	36.13	-38.92	40.51	-57.53	-40.00	17.53	Horizontal
6	16137.38	36.29	-37.97	38.30	-58.64	-40.00	18.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4610.68	45.05	-48.00	30.57	-67.64	-40.00	27.64	Vertical
2	6916.02	43.11	-46.71	35.42	-63.44	-40.00	23.44	Vertical
3	9221.36	39.02	-43.40	37.80	-61.84	-40.00	21.84	Vertical
4	11526.7	37.68	-39.98	39.29	-58.27	-40.00	18.27	Vertical
5	13832.04	36.82	-38.92	40.51	-56.84	-40.00	16.84	Vertical
6	16137.38	36.33	-37.97	38.30	-58.60	-40.00	18.60	Vertical





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Test Band = NSA DC_30A_n2A_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	4615.68	44.68	-47.99	30.58	-68.00	-40.00	28.00	Horizontal
2	6923.52	43.17	-46.70	35.43	-63.36	-40.00	23.36	Horizontal
3	9231.36	40.38	-43.33	37.81	-60.40	-40.00	20.40	Horizontal
4	11539.2	37.59	-39.95	39.29	-58.32	-40.00	18.32	Horizontal
5	13847.04	36.86	-38.88	40.55	-56.73	-40.00	16.73	Horizontal
6	16154.88	36.48	-37.91	38.31	-58.38	-40.00	18.38	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.68	44.21	-47.99	30.58	-68.47	-40.00	28.47	Vertical
2	6923.52	43.14	-46.70	35.43	-63.39	-40.00	23.39	Vertical
3	9231.36	40.31	-43.33	37.81	-60.47	-40.00	20.47	Vertical
4	11539.2	37.42	-39.95	39.29	-58.49	-40.00	18.49	Vertical
5	13847.04	37.04	-38.88	40.55	-56.55	-40.00	16.55	Vertical
6	16154.88	36.08	-37.91	38.31	-58.78	-40.00	18.78	Vertical



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Test Band = NSA DC_30A_n2A_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	4620.68	44.24	-47.99	30.59	-68.42	-40.00	28.42	Horizontal
2	6931.02	43.28	-46.69	35.45	-63.22	-40.00	23.22	Horizontal
3	9241.32	39.91	-43.27	37.82	-60.80	-40.00	20.80	Horizontal
4	11551.7	38.59	-39.91	39.29	-57.29	-40.00	17.29	Horizontal
5	13862.04	37.27	-38.84	40.58	-56.24	-40.00	16.24	Horizontal
6	16172.38	36.69	-37.85	38.32	-58.10	-40.00	18.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4620.68	43.92	-47.99	30.59	-68.74	-40.00	28.74	Vertical
2	6931.02	42.76	-46.69	35.45	-63.74	-40.00	23.74	Vertical
3	9241.32	39.75	-43.27	37.82	-60.96	-40.00	20.96	Vertical
4	11551.7	37.74	-39.91	39.29	-58.14	-40.00	18.14	Vertical
5	13862.04	37.29	-38.84	40.58	-56.22	-40.00	16.22	Vertical
6	16172.38	36.13	-37.85	38.32	-58.66	-40.00	18.66	Vertical



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 Rev.: 01
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Test Band = NSA DC_66A_n2A_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	3702.18	44.18	-48.50	28.98	-70.60	-13.00	57.60	Horizontal
2	5553.27	43.72	-47.66	32.71	-66.49	-13.00	53.49	Horizontal
3	7404.36	42.53	-46.17	36.57	-62.33	-13.00	49.33	Horizontal
4	9255.45	39.84	-43.17	37.83	-60.76	-13.00	47.76	Horizontal
5	11106.54	37.48	-40.36	39.38	-58.76	-13.00	45.76	Horizontal
6	12957.63	36.14	-39.41	38.63	-59.90	-13.00	46.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.17	-48.50	28.98	-70.61	-13.00	57.61	Vertical
2	5553.27	43.80	-47.66	32.71	-66.41	-13.00	53.41	Vertical
3	7404.36	43.09	-46.17	36.57	-61.77	-13.00	48.77	Vertical
4	9255.45	39.87	-43.17	37.83	-60.73	-13.00	47.73	Vertical
5	11106.54	37.38	-40.36	39.38	-58.86	-13.00	45.86	Vertical
6	12957.63	36.64	-39.41	38.63	-59.40	-13.00	46.40	Vertical



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Test Band = NSA DC_66A_n2A_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	3742.18	44.05	-48.37	29.04	-70.54	-13.00	57.54	Horizontal
2	5613.27	43.17	-47.67	32.72	-67.04	-13.00	54.04	Horizontal
3	7484.36	42.37	-46.17	36.76	-62.30	-13.00	49.30	Horizontal
4	9355.45	40.37	-42.97	37.92	-59.94	-13.00	46.94	Horizontal
5	11226.54	37.26	-40.37	39.35	-59.02	-13.00	46.02	Horizontal
6	13097.63	36.15	-38.42	38.83	-58.70	-13.00	45.70	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	44.31	-48.37	29.04	-70.28	-13.00	57.28	Vertical
2	5613.27	43.47	-47.67	32.72	-66.74	-13.00	53.74	Vertical
3	7484.36	41.13	-46.17	36.76	-63.54	-13.00	50.54	Vertical
4	9355.45	40.17	-42.97	37.92	-60.14	-13.00	47.14	Vertical
5	11226.54	37.27	-40.37	39.35	-59.01	-13.00	46.01	Vertical
6	13097.63	36.54	-38.42	38.83	-58.31	-13.00	45.31	Vertical



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Test Band = NSA DC_66A_n2A_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	3782.18	44.22	-48.24	29.10	-70.18	-13.00	57.18	Horizontal
2	5673.27	43.47	-47.55	32.73	-66.60	-13.00	53.60	Horizontal
3	7564.36	41.45	-45.14	36.72	-62.23	-13.00	49.23	Horizontal
4	9455.45	39.12	-42.67	38.01	-60.80	-13.00	47.80	Horizontal
5	11346.54	37.33	-40.28	39.33	-58.88	-13.00	45.88	Horizontal
6	13237.63	36.24	-38.85	39.15	-58.72	-13.00	45.72	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	44.16	-48.24	29.10	-70.24	-13.00	57.24	Vertical
2	5673.27	43.26	-47.55	32.73	-66.81	-13.00	53.81	Vertical
3	7564.36	41.06	-45.14	36.72	-62.62	-13.00	49.62	Vertical
4	9455.45	39.67	-42.67	38.01	-60.25	-13.00	47.25	Vertical
5	11346.54	37.64	-40.28	39.33	-58.57	-13.00	45.57	Vertical
6	13237.63	36.68	-38.85	39.15	-58.28	-13.00	45.28	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	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.900000	-0.001011	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.000000	-0.001064	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.400000	-0.000213	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	3.500000	0.001862	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	3.800000	0.002021	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	1.900000	0.001011	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-4.100000	-0.002181	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.600000	-0.002979	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-0.100000	-0.000053	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.700000	-0.001968	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-2.300000	-0.001223	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	0.700000	0.000372	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.700000	-0.002500	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.100000	-0.002713	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.500000	-0.002926	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	2.400000	0.001277	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	1.800000	0.000957	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	4.400000	0.002340	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	3.700000	0.001968	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	2.100000	0.001117	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	2.100000	0.001117	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	3.100000	0.001649	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	3.400000	0.001809	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	1.500000	0.000798	PASS

---End of Attachment---



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