

Appendix Test Data

Report No.:	1812C40197812501	Test Sample No.:	1-2-2
Start Test Date:	2025.01.09	Finish Test Date:	2025.01.09
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24°C	Relative Humidity:	50%
Pressure:	101kPa		

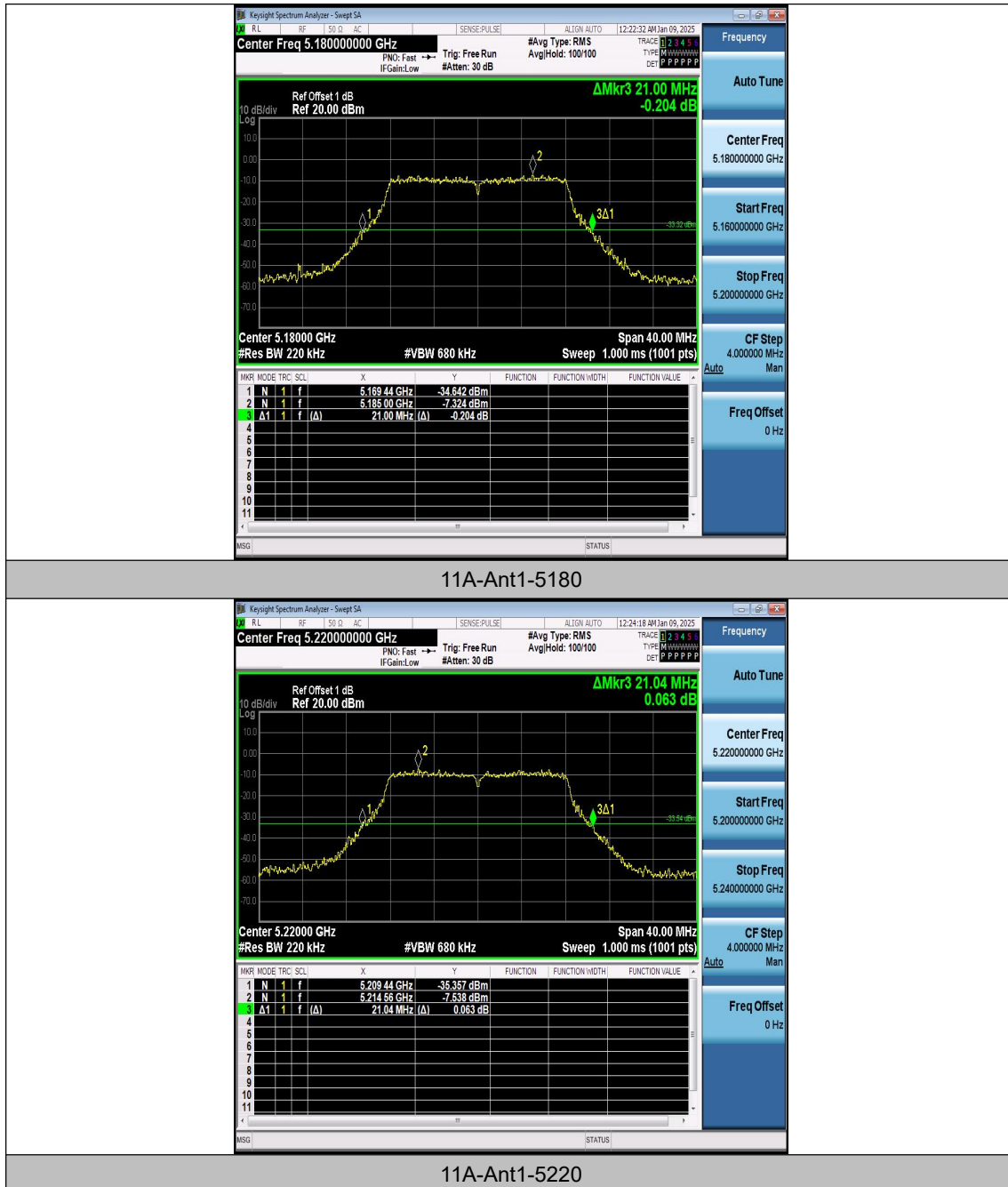
Appendix A1: 26dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.000	5169.440	5190.440	---	---
11A	Ant1	5220	21.040	5209.440	5230.480	---	---
11A	Ant1	5240	21.080	5229.400	5250.480	---	---
11N20SISO	Ant1	5180	21.040	5169.480	5190.520	---	---
11N20SISO	Ant1	5220	21.040	5209.560	5230.600	---	---
11N20SISO	Ant1	5240	21.040	5229.400	5250.440	---	---



Test Graphs



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Appendix A2: 99% Occupied Bandwidth

Test Result

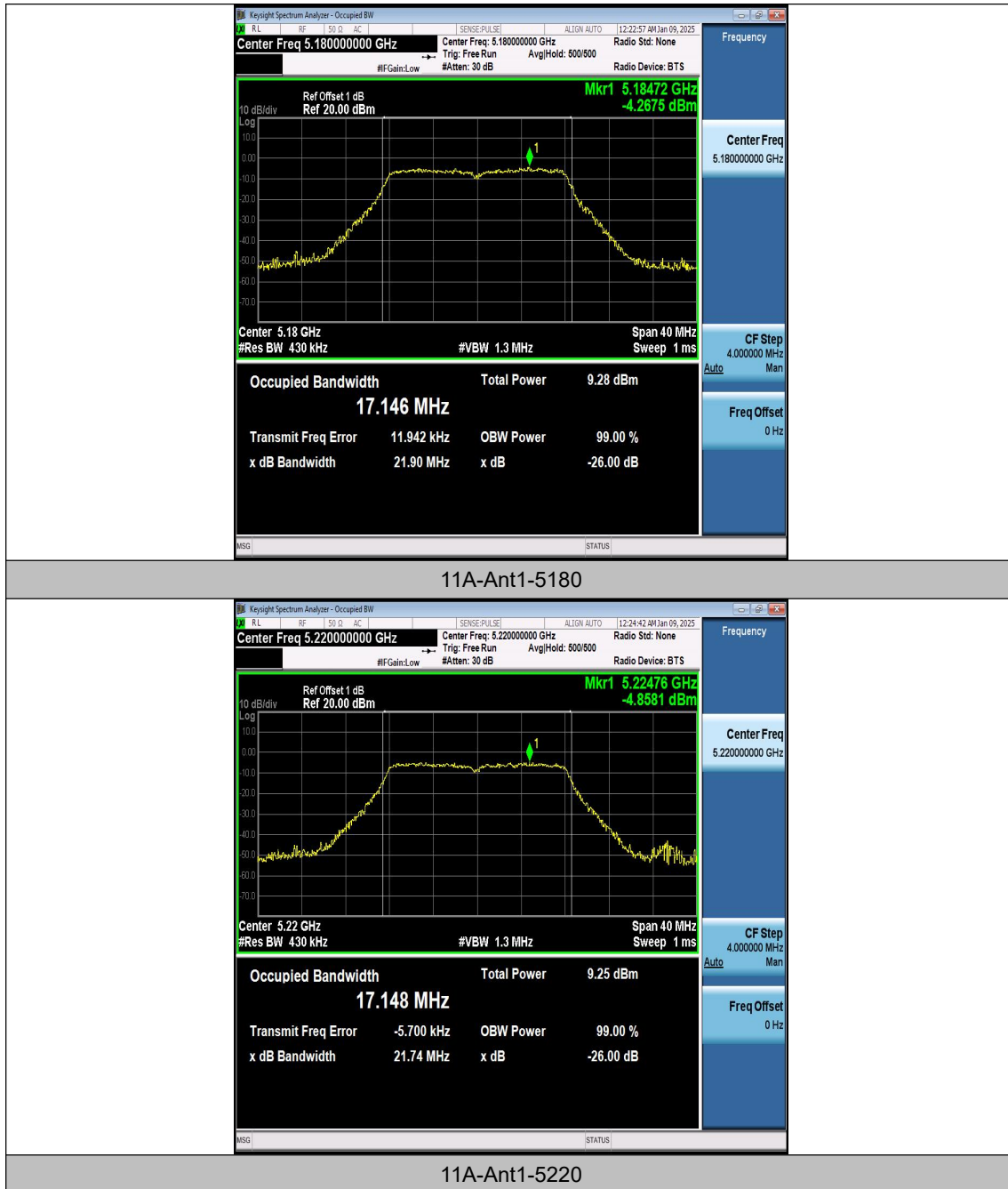
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.146	5171.4389	5188.5849	---	---
11A	Ant1	5220	17.148	5211.4203	5228.5683	---	---
11A	Ant1	5240	17.165	5231.3823	5248.5473	---	---
11N20SISO	Ant1	5180	17.945	5171.0642	5189.0092	---	---
11N20SISO	Ant1	5220	17.906	5211.0522	5228.9582	---	---
11N20SISO	Ant1	5240	17.918	5231.0275	5248.9455	---	---

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Test Graphs



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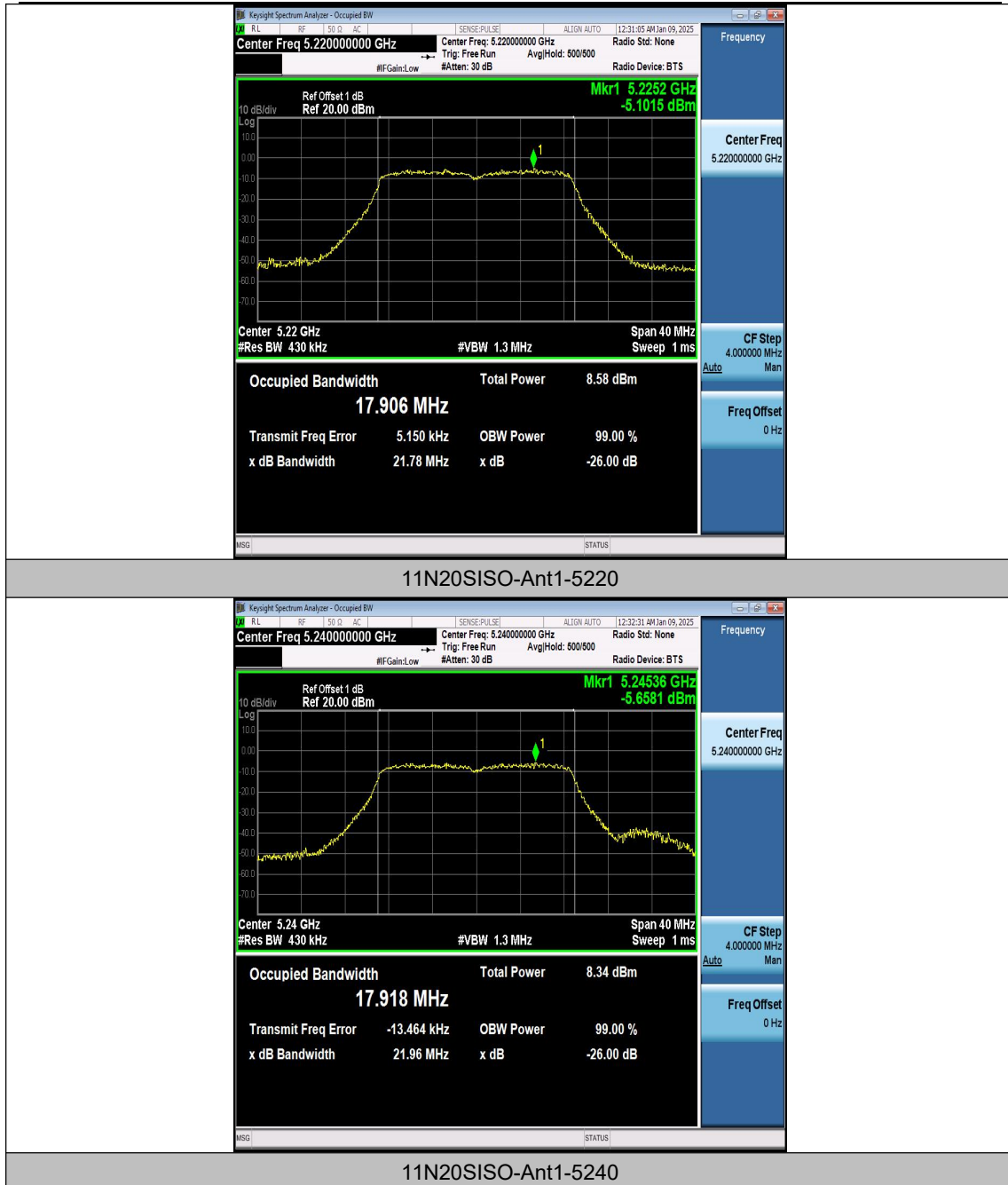


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Appendix B: Duty Cycle

Test Result

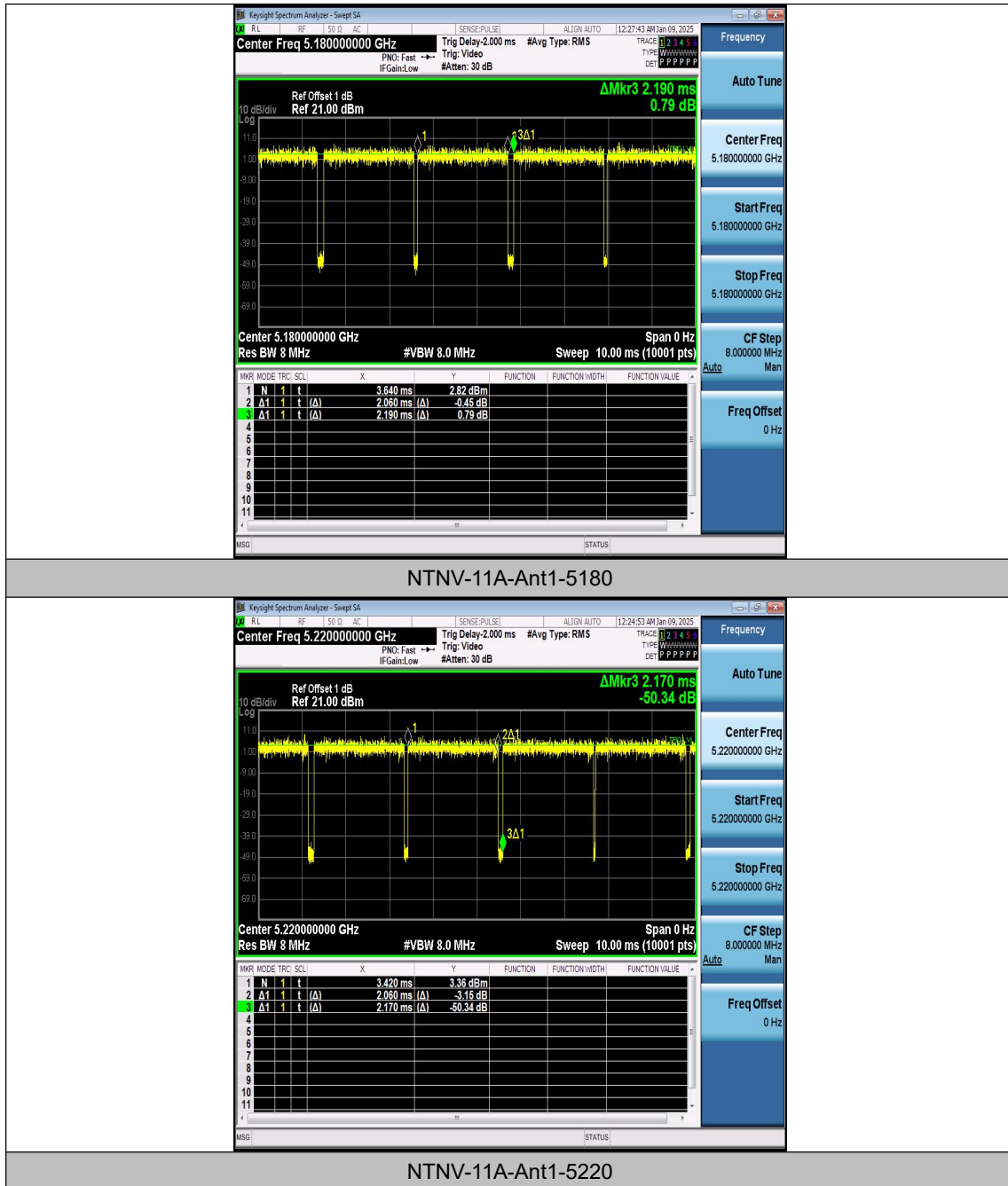
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5180	2.06	2.19	94.06	0.27	0.49
11A	Ant1	5220	2.06	2.17	94.93	0.23	0.49
11A	Ant1	5240	2.07	2.20	94.09	0.26	0.48
11N20SISO	Ant1	5180	1.92	2.07	92.75	0.33	0.52
11N20SISO	Ant1	5220	1.92	2.08	92.31	0.35	0.52
11N20SISO	Ant1	5240	1.92	2.06	93.20	0.31	0.52

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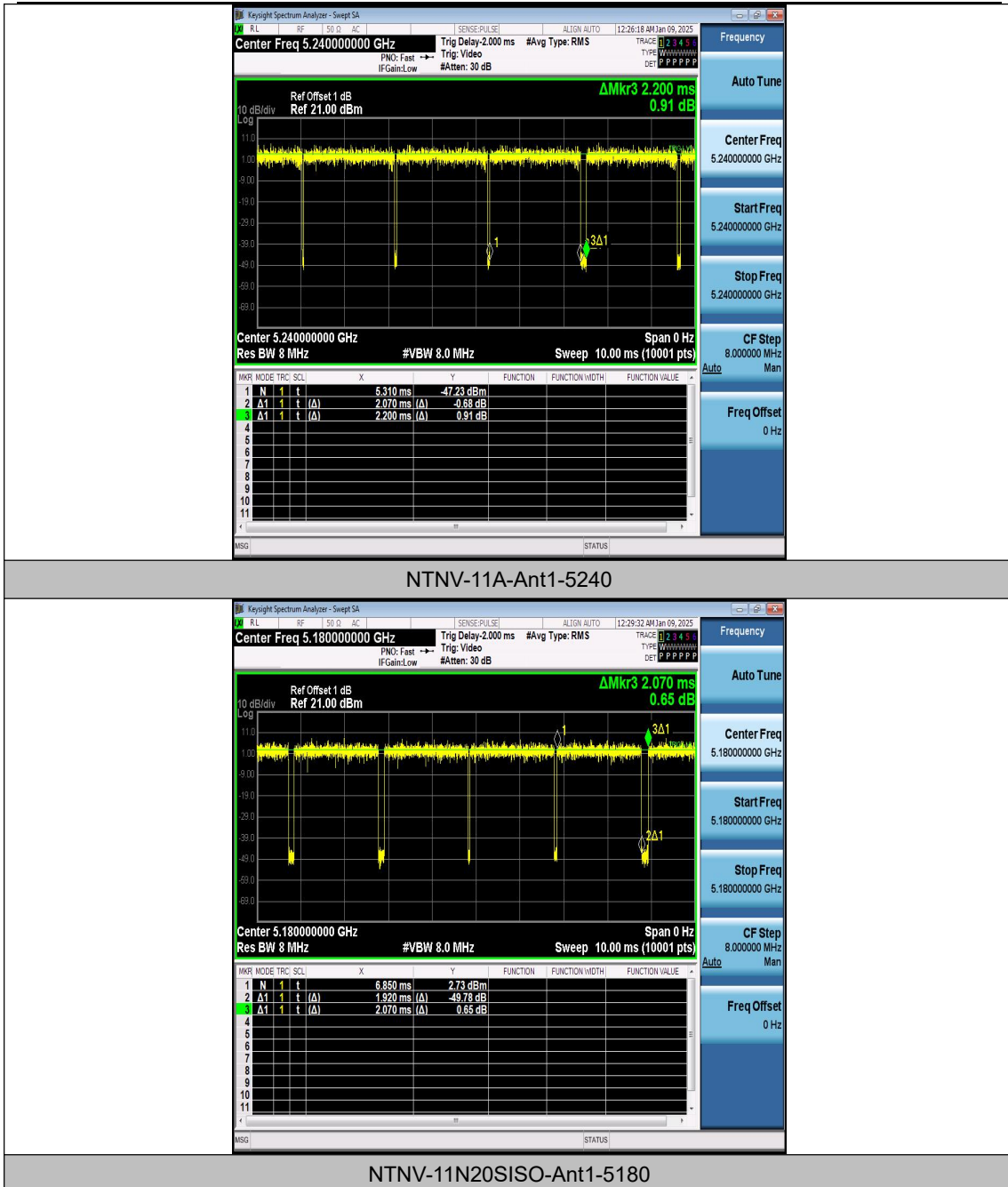
Test Graphs



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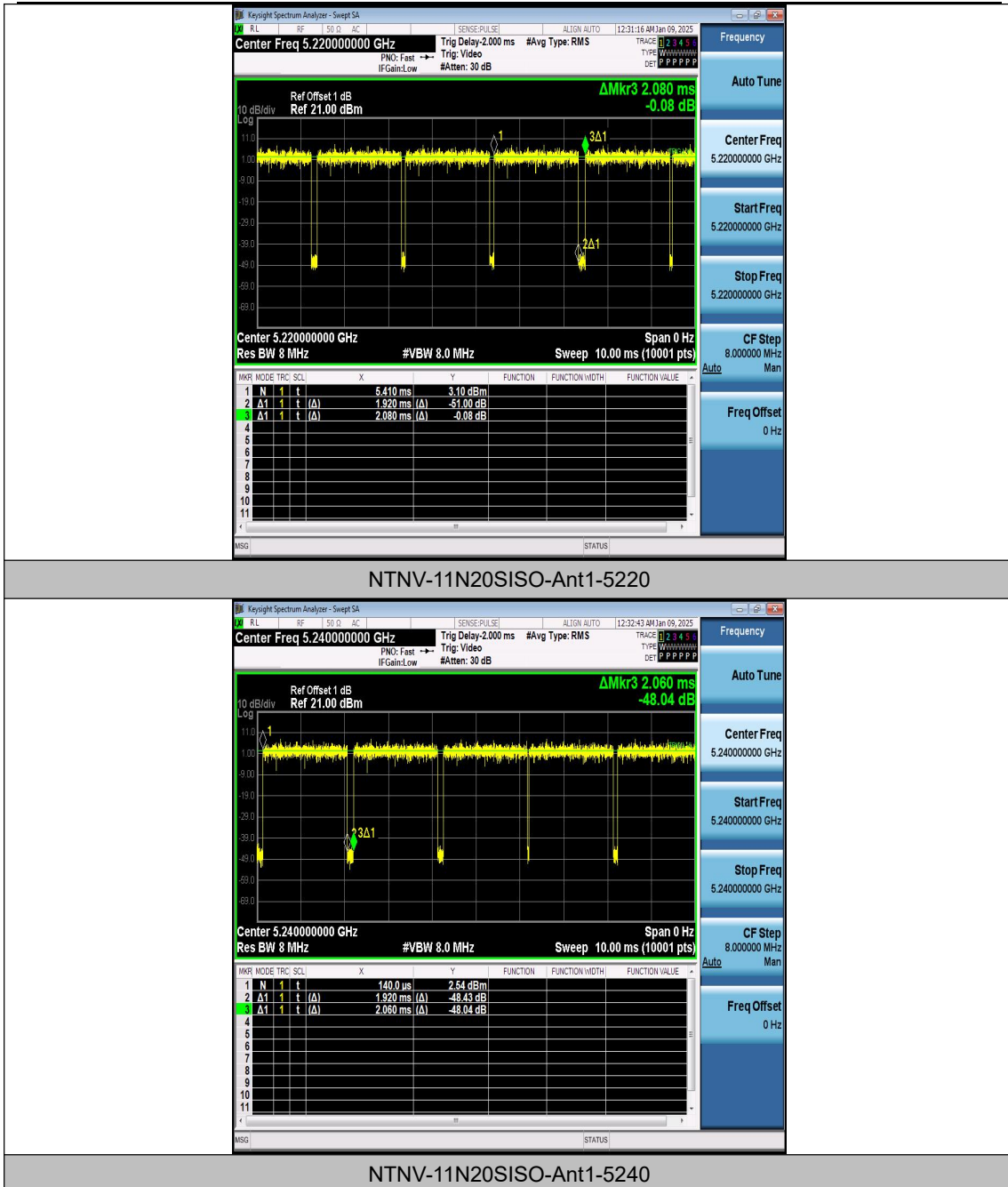


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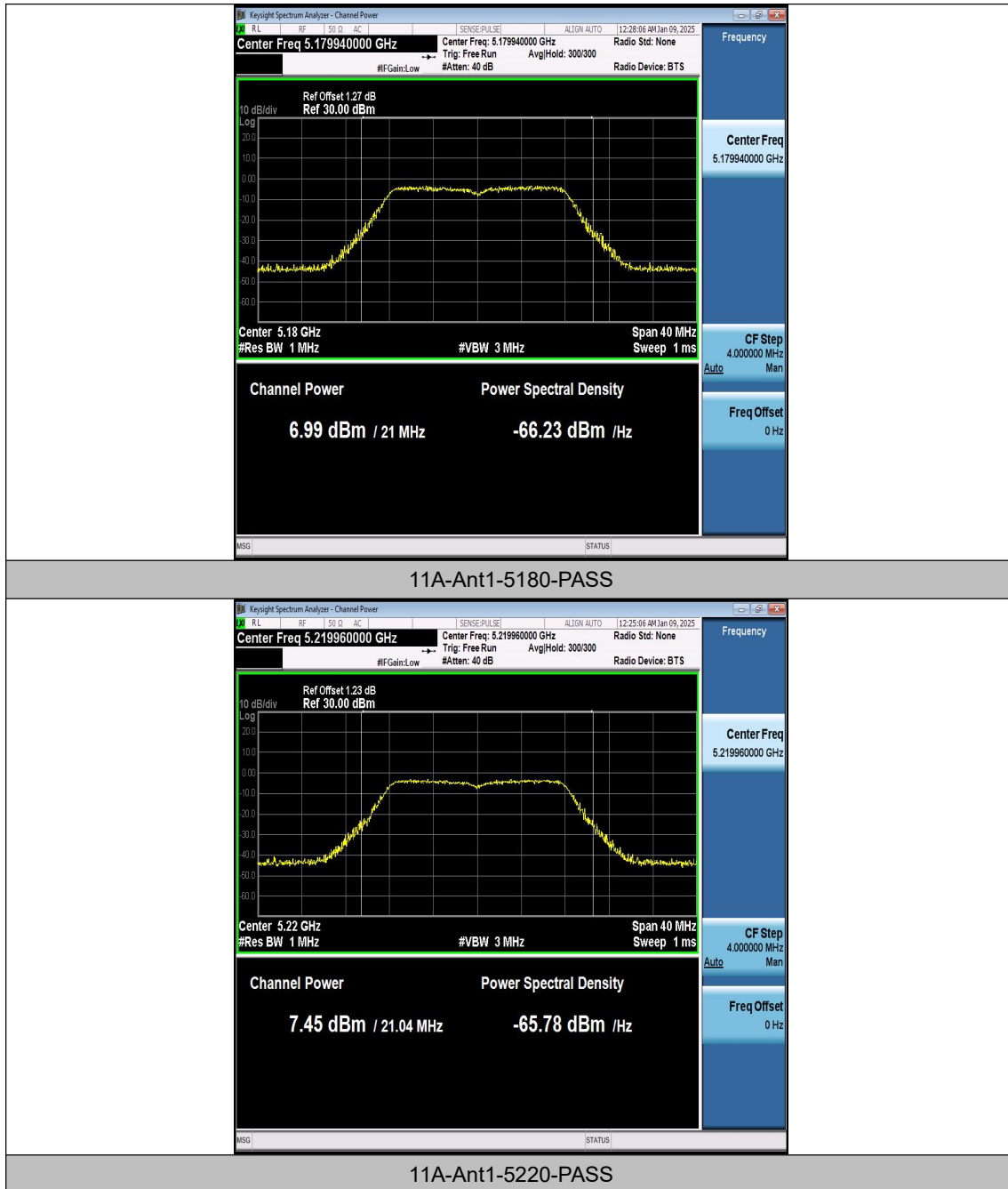
Appendix C: Maximum Conducted Output Power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	6.72	94.06	0.27	6.99	≤23.98	PASS
11A	Ant1	5220	---	7.22	94.93	0.23	7.45	≤23.98	PASS
11A	Ant1	5240	---	6.70	94.09	0.26	6.96	≤23.98	PASS
11N20SI SO	Ant1	5180	---	6.69	92.75	0.33	7.02	≤23.98	PASS
11N20SI SO	Ant1	5220	---	6.68	92.31	0.35	7.03	≤23.98	PASS
11N20SI SO	Ant1	5240	---	6.48	93.20	0.31	6.79	≤23.98	PASS

Note: 1.The Duty Cycle Factor and cable loss are compensated in the graph.

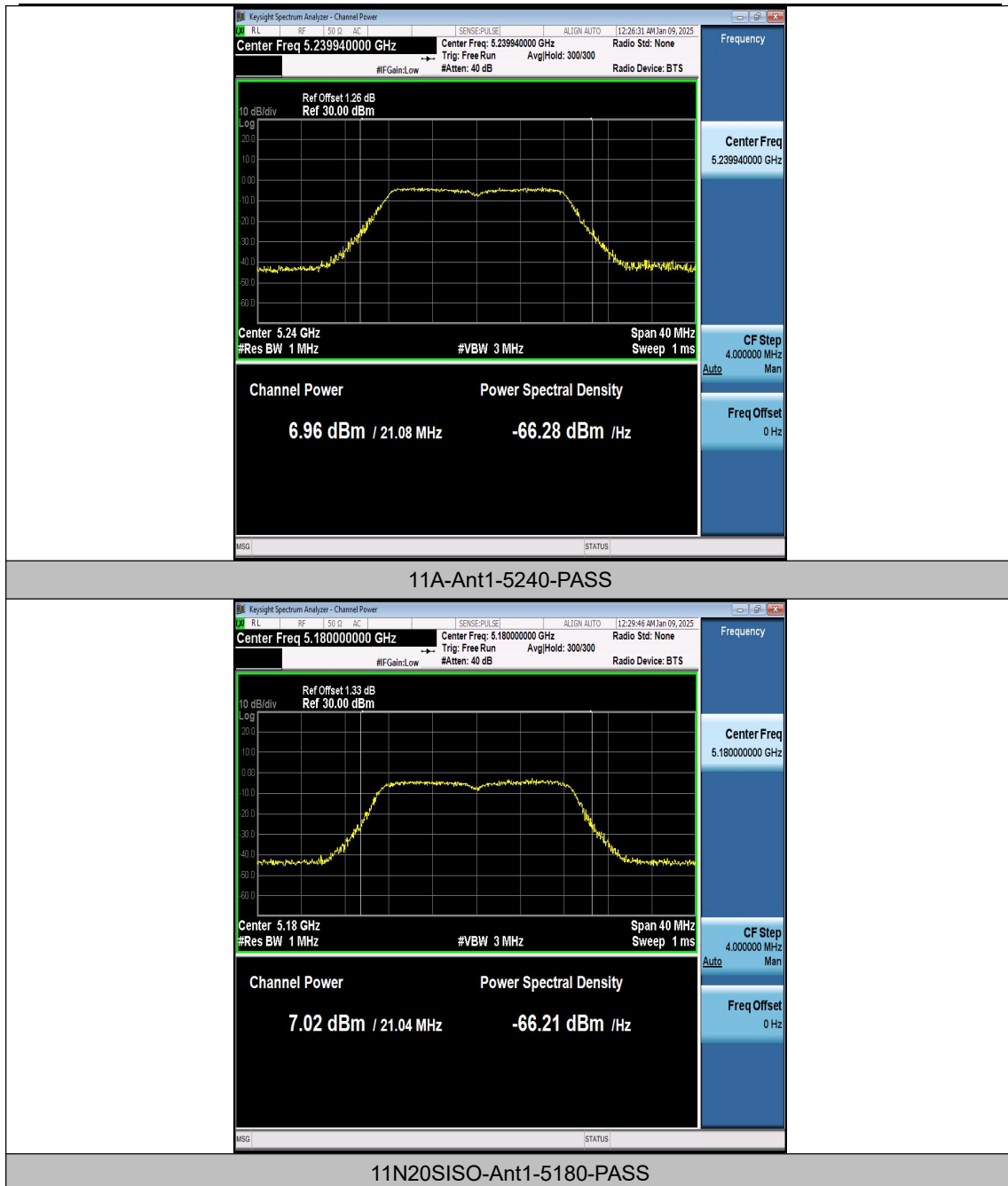
Test Graphs Channel Power



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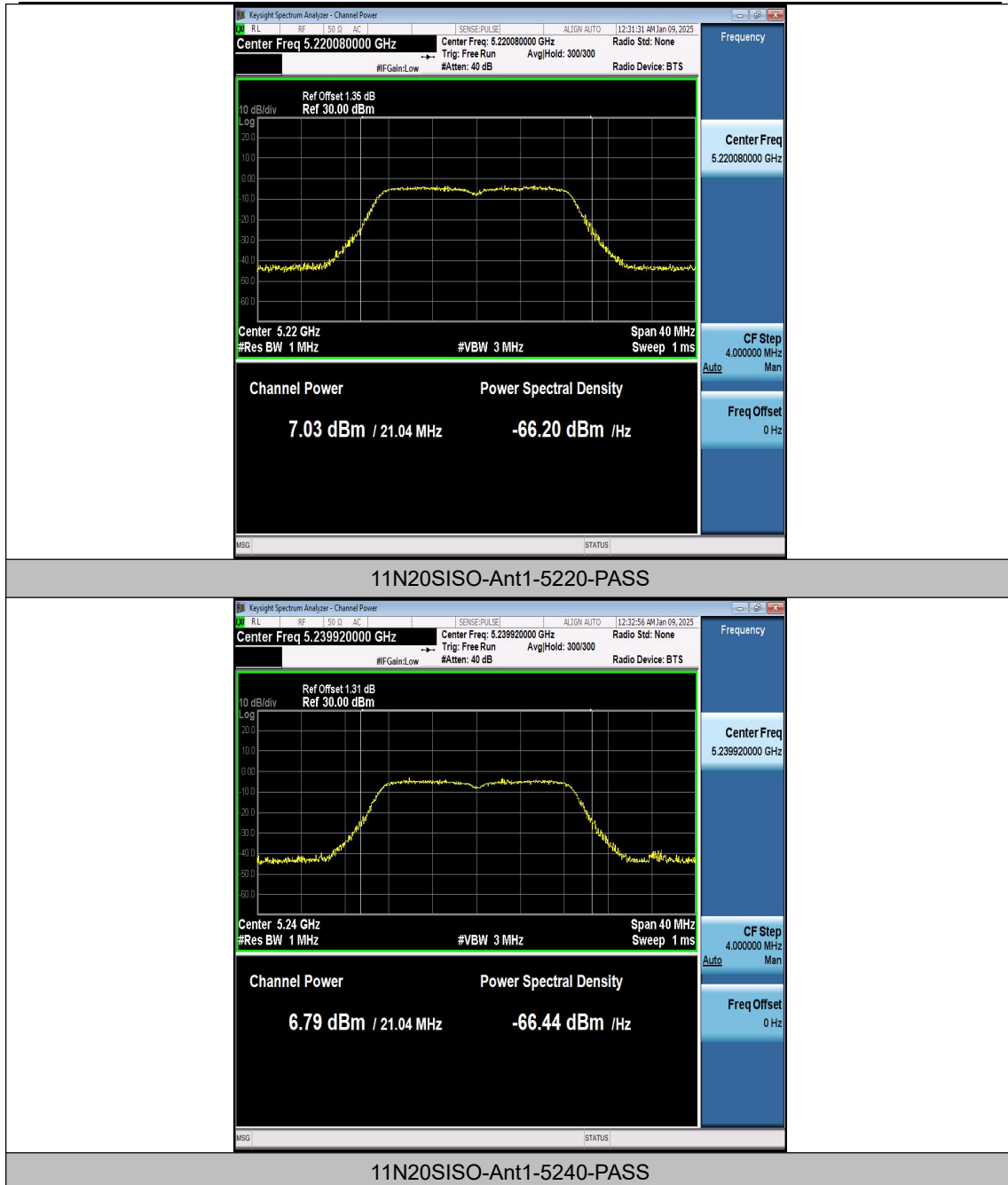
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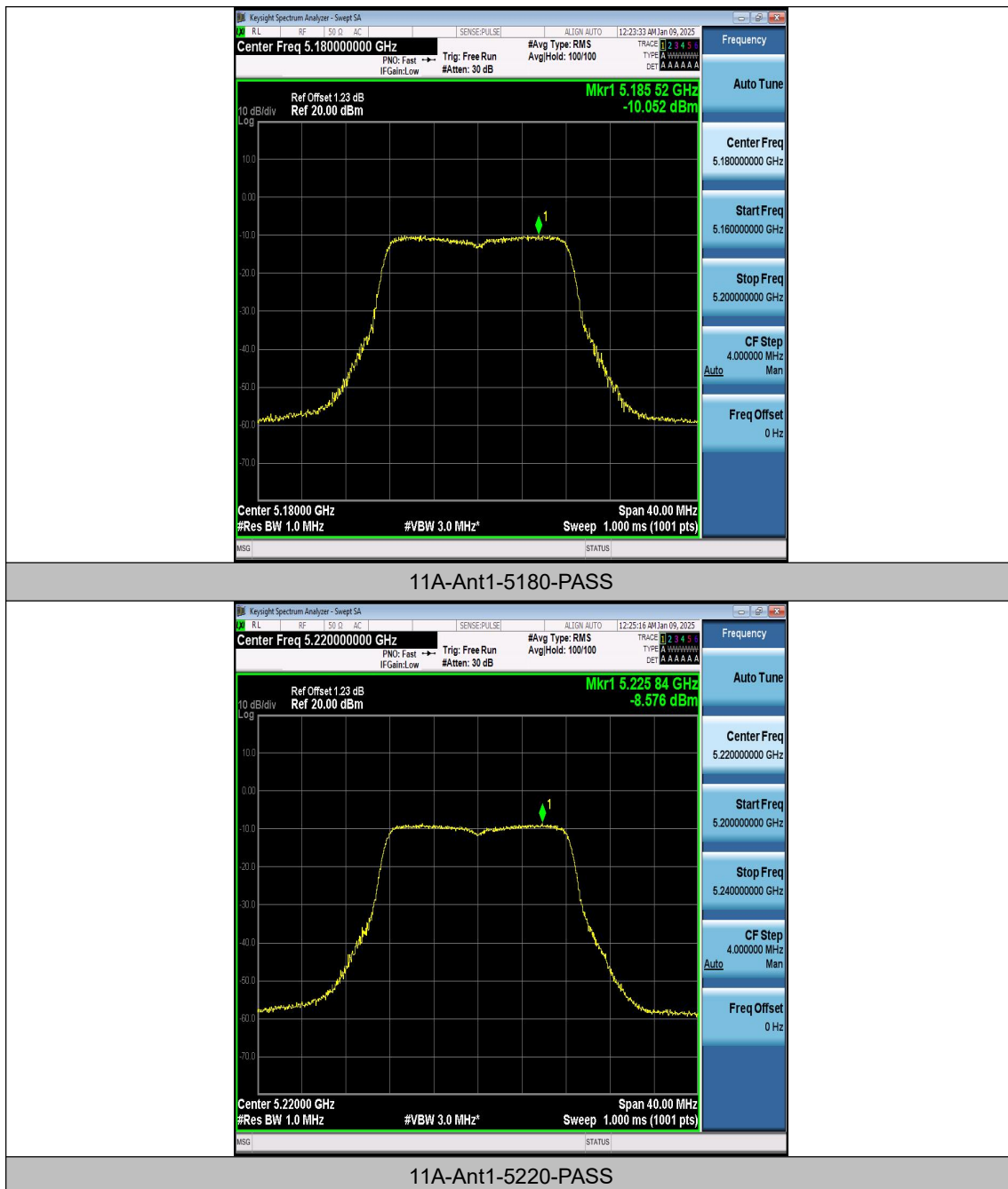
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-10.05	≤11.00	PASS
11A	Ant1	5220	-8.58	≤11.00	PASS
11A	Ant1	5240	-8.95	≤11.00	PASS
11N20SISO	Ant1	5180	-11.67	≤11.00	PASS
11N20SISO	Ant1	5220	-9.29	≤11.00	PASS
11N20SISO	Ant1	5240	-9.56	≤11.00	PASS

Note: 1.The Duty Cycle Factor and cable loss are compensated in the graph.

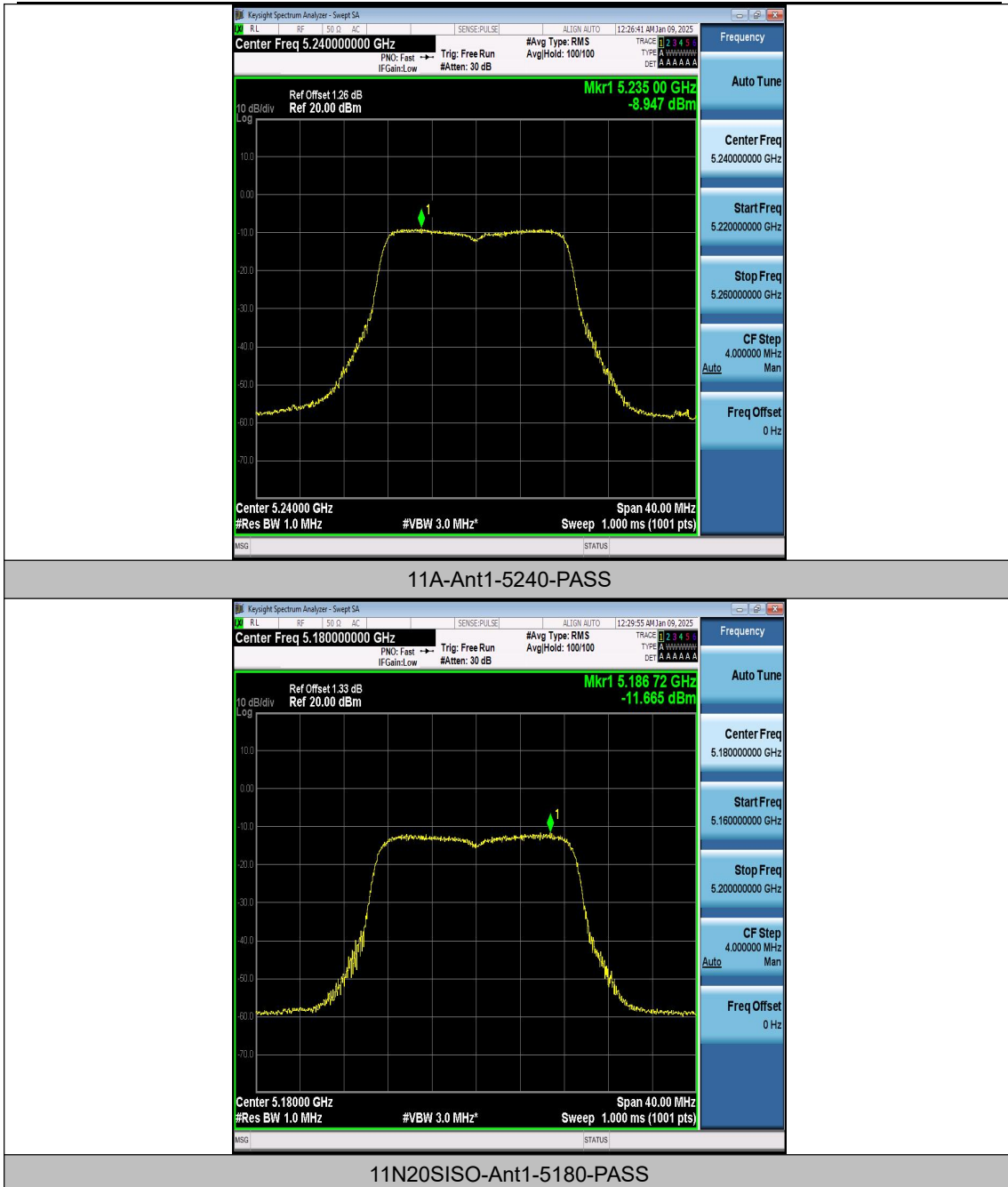
Test Graphs



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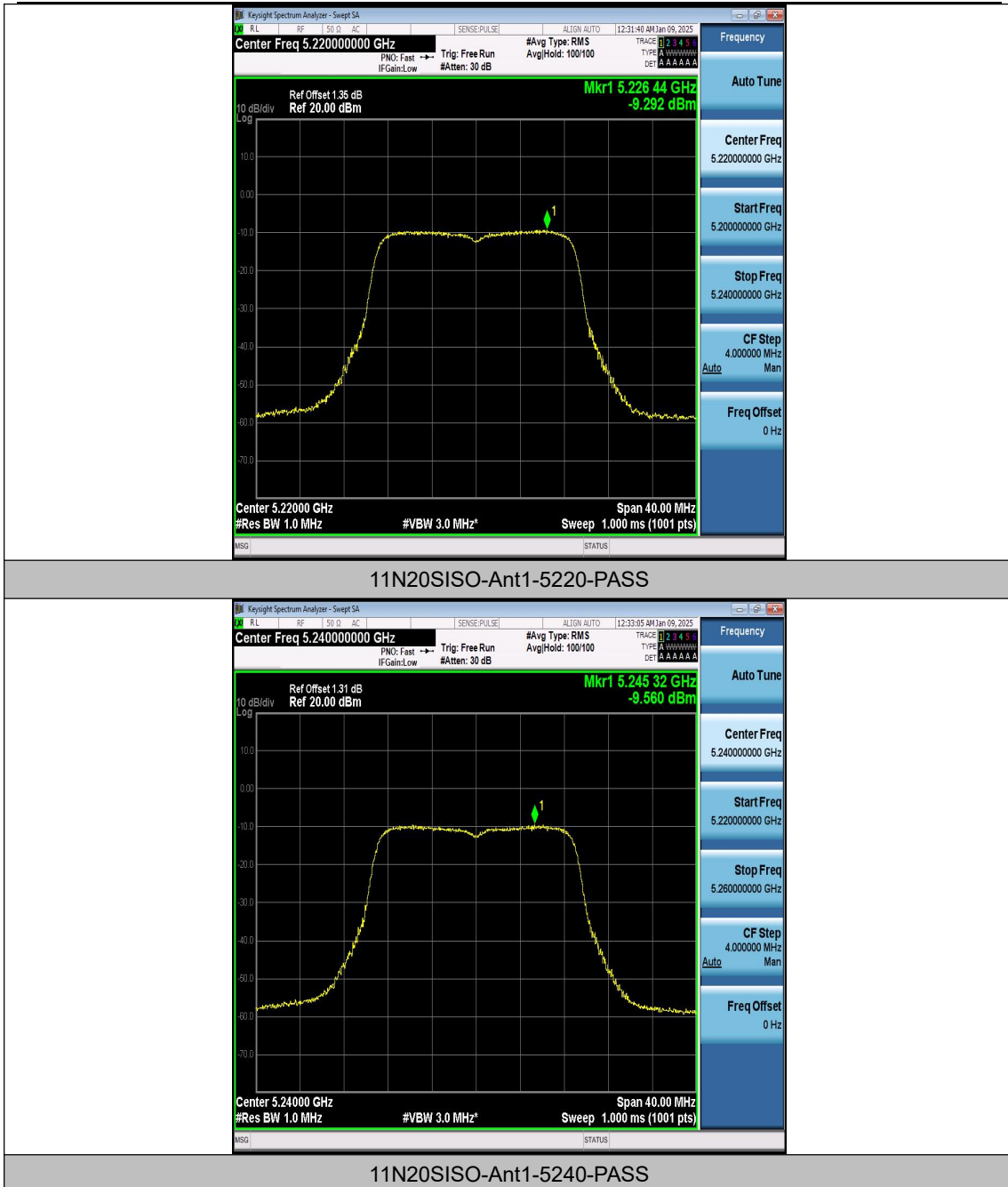


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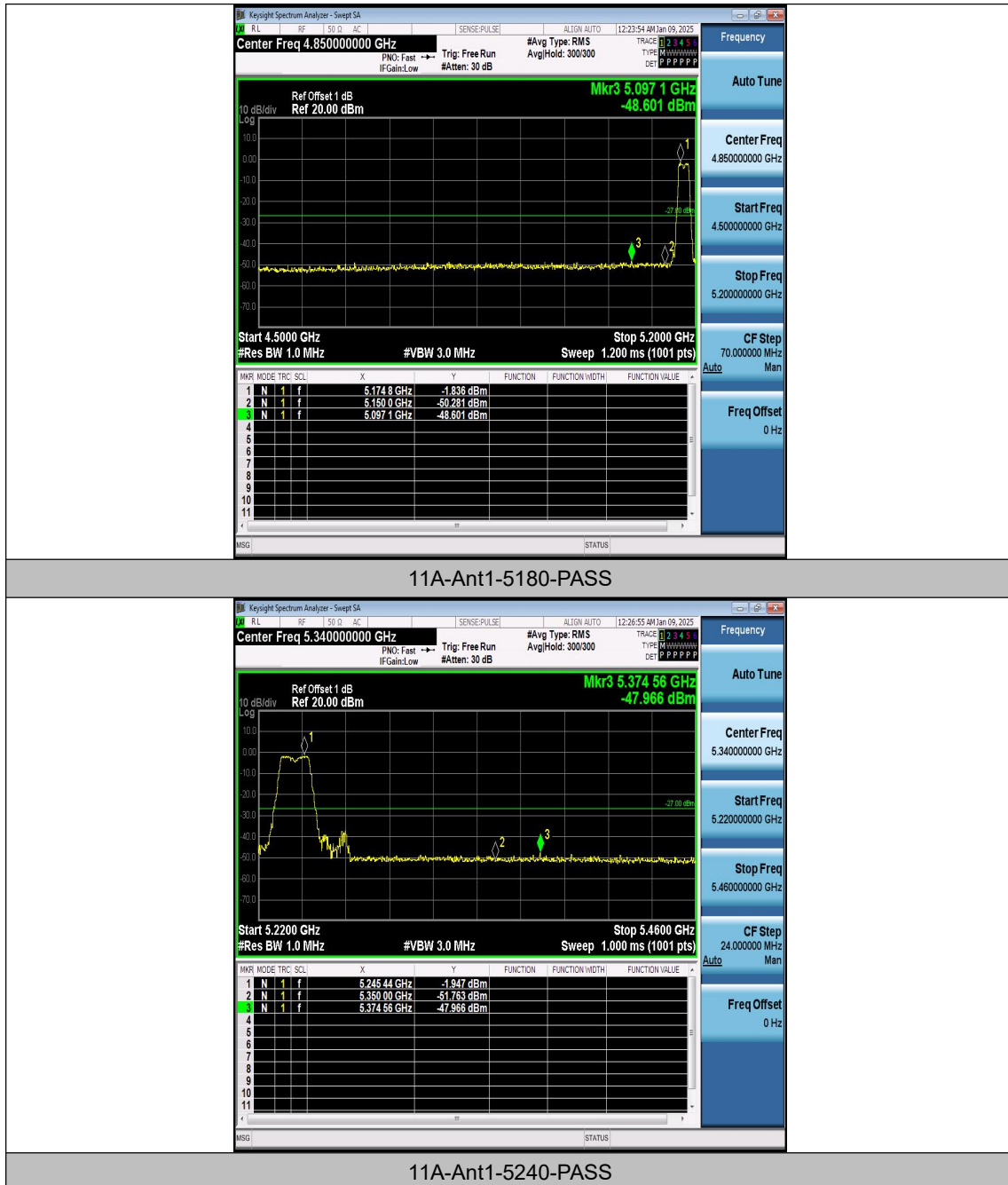
Appendix E: Band edge measurements

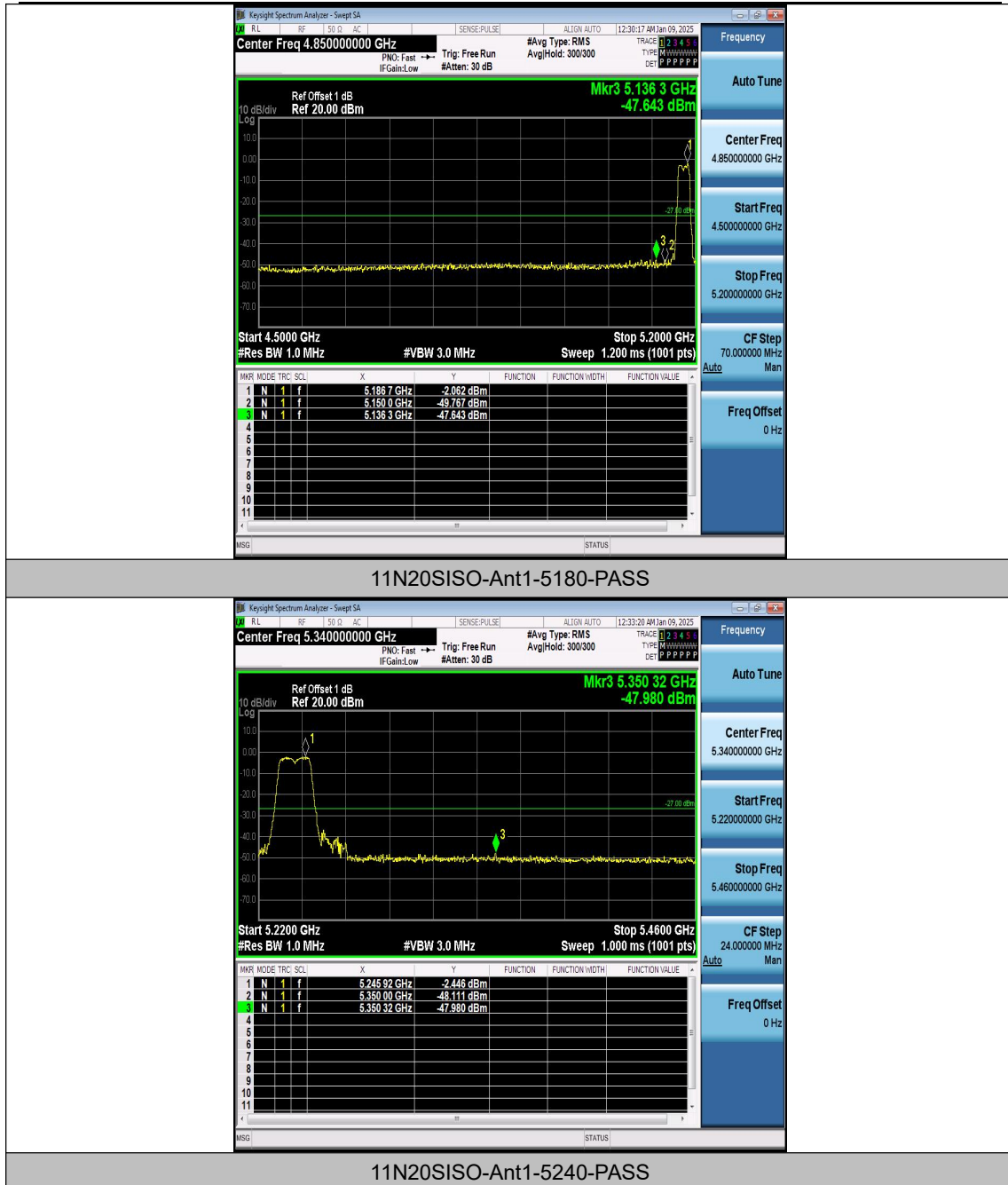
Test Result B1

Test Mode	Antenna	ChName	Frequency[MHz]	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	Low	5180	-48.6	≤-27	PASS
11A	Ant1	High	5240	-47.97	≤-27	PASS
11N20SISO	Ant1	Low	5180	-47.64	≤-27	PASS
11N20SISO	Ant1	High	5240	-47.98	≤-27	PASS

Note: The margin is at least greater than the antenna gain plus the cable loss.

Test Graphs B1





---End---

