

Appendix Test Data

Report No.:	1812C40200612501	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:	25.3°C	Relative Humidity:	49%
Pressure:	101kPa		

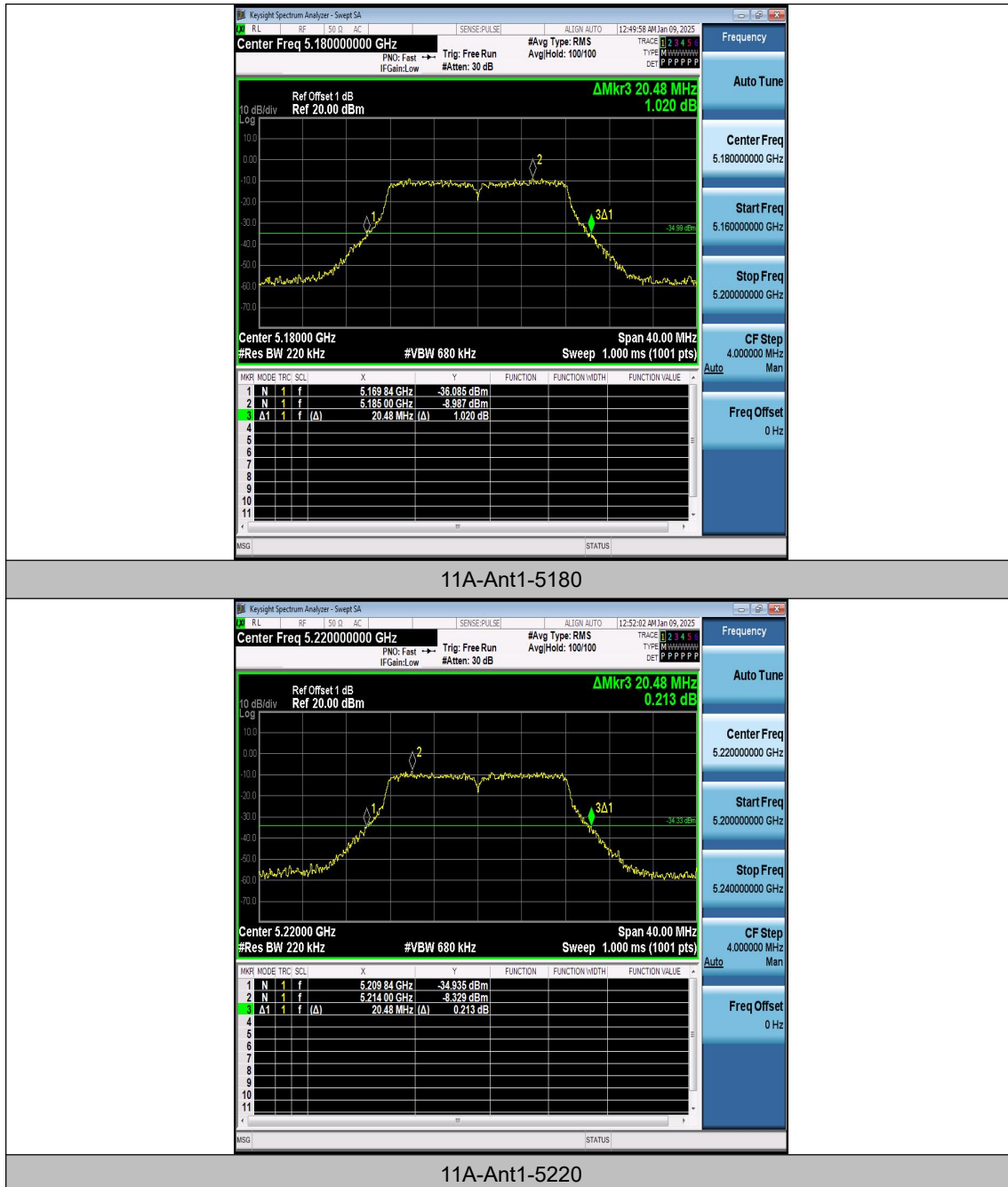
Appendix A1: 26dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.480	5169.840	5190.320	---	---
11A	Ant1	5220	20.480	5209.840	5230.320	---	---
11A	Ant1	5240	20.160	5229.920	5250.080	---	---
11N20SISO	Ant1	5180	21.360	5169.240	5190.600	---	---
11N20SISO	Ant1	5220	20.600	5209.760	5230.360	---	---
11N20SISO	Ant1	5240	20.680	5229.560	5250.240	---	---



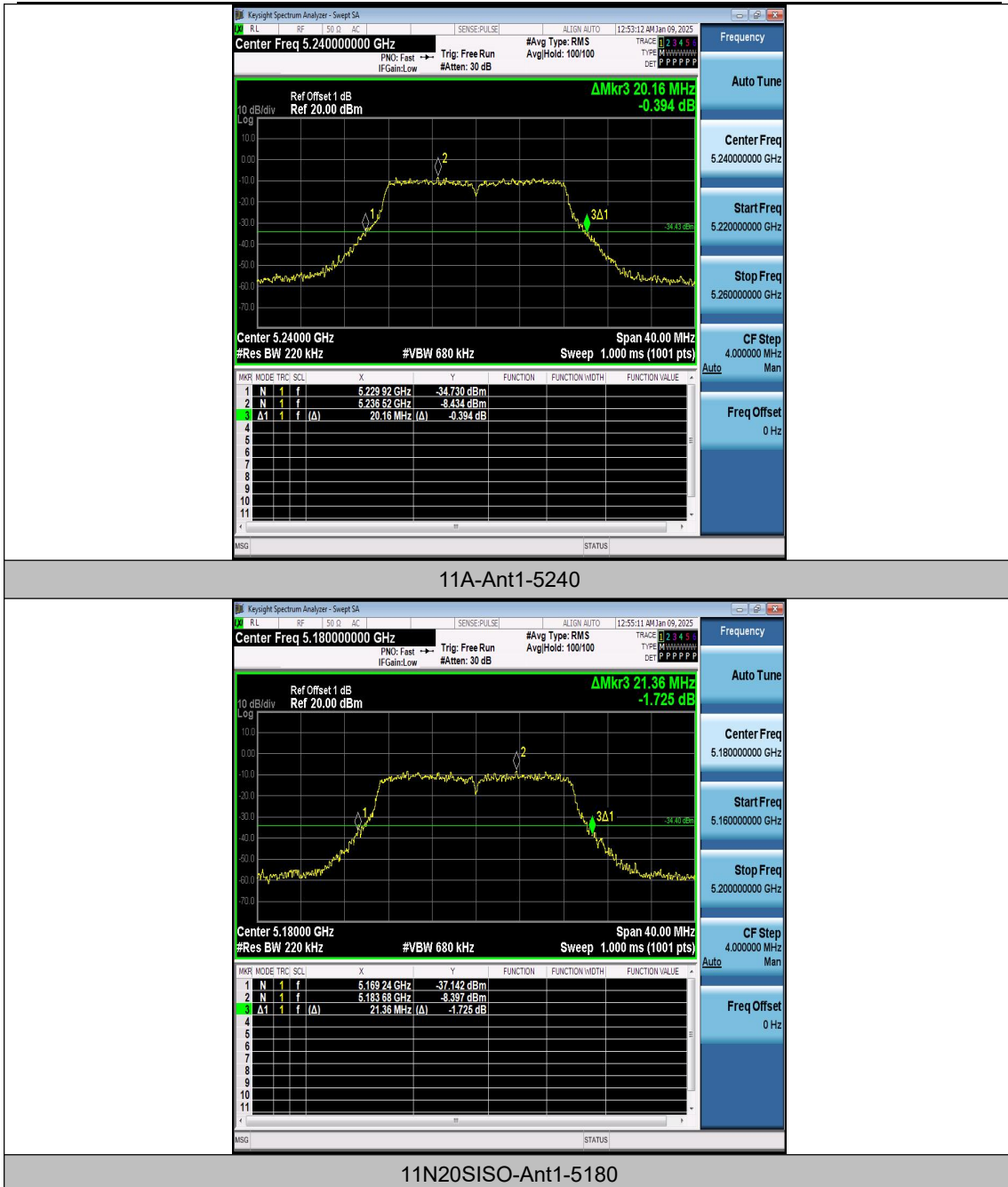
Test Graphs



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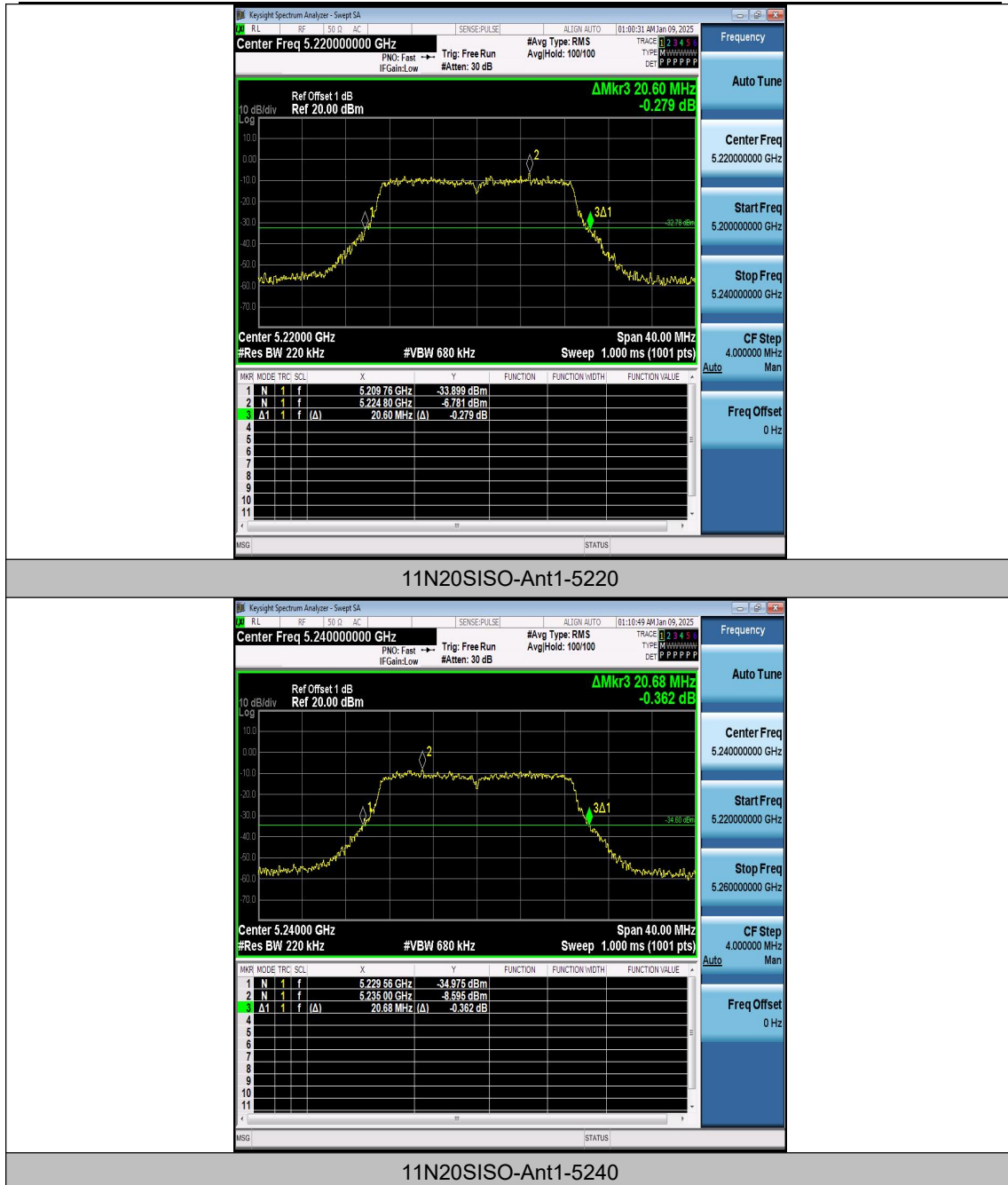


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Appendix A2: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.962	5171.5536	5188.5156	---	---
11A	Ant1	5220	16.944	5211.5425	5228.4865	---	---
11A	Ant1	5240	16.960	5231.5475	5248.5075	---	---
11N20SISO	Ant1	5180	17.931	5171.0495	5188.9805	---	---
11N20SISO	Ant1	5220	17.876	5211.0555	5228.9315	---	---
11N20SISO	Ant1	5240	17.987	5231.0024	5248.9894	---	---

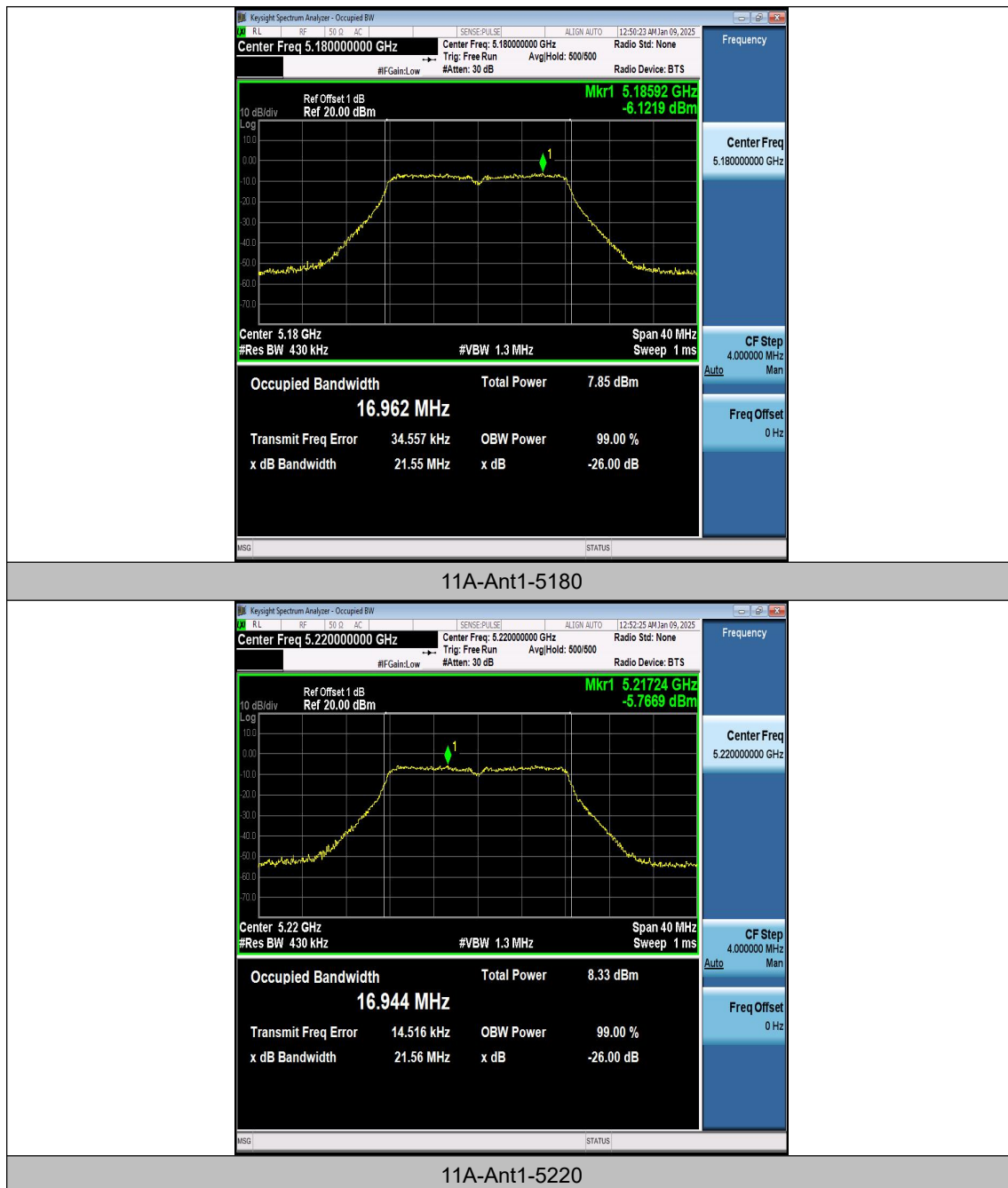
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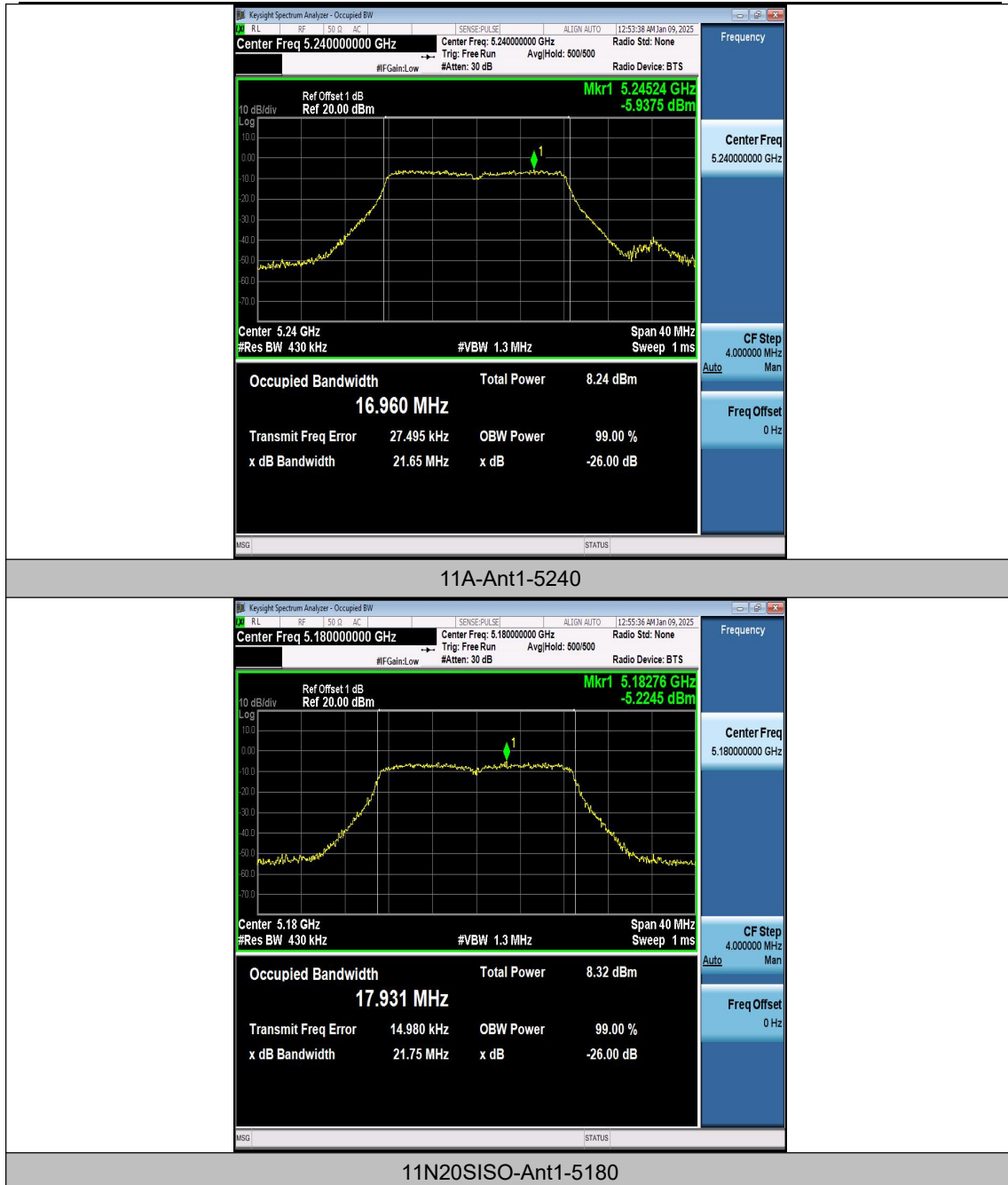
Test Graphs



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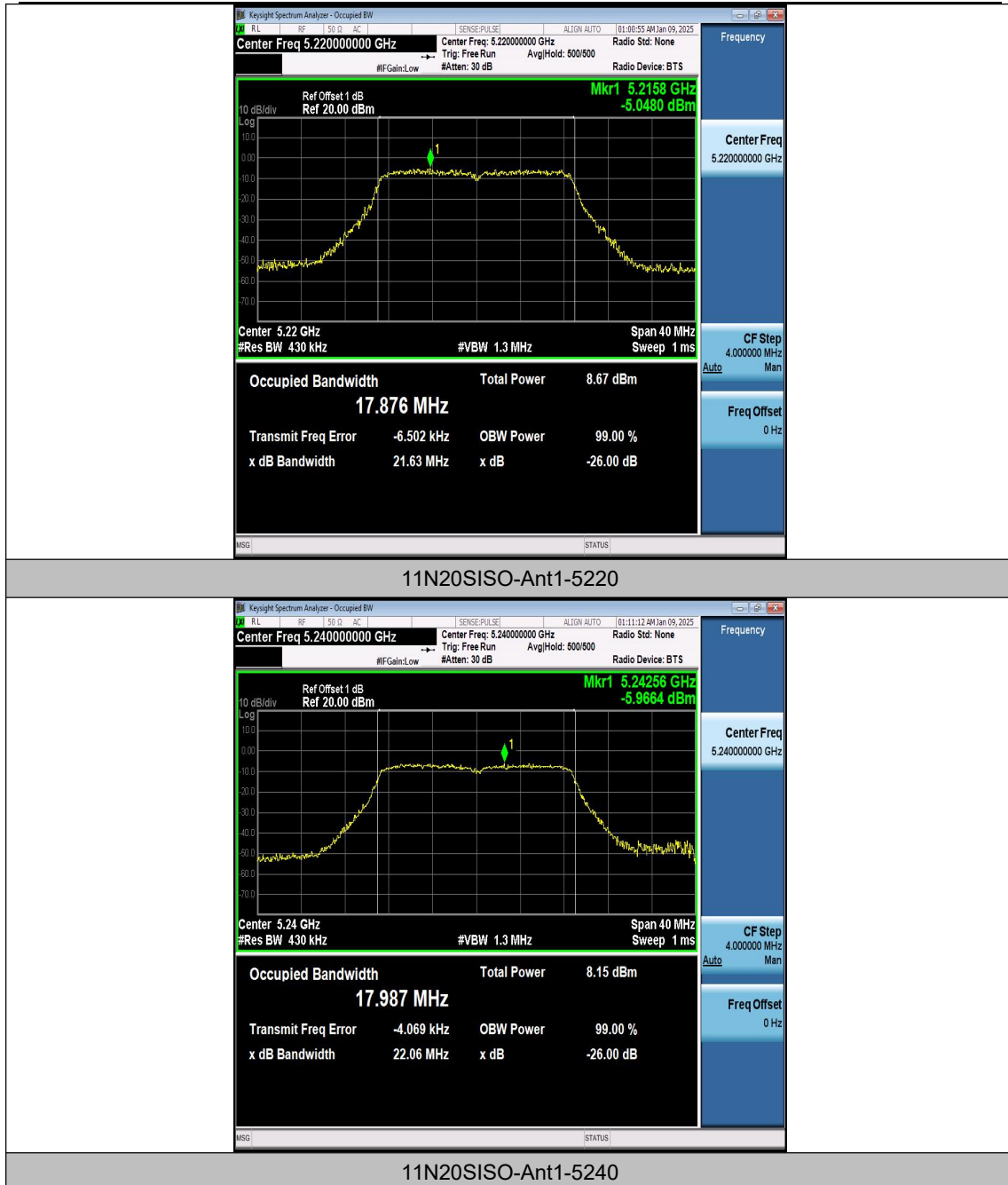


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Appendix B: Duty Cycle

Test Result

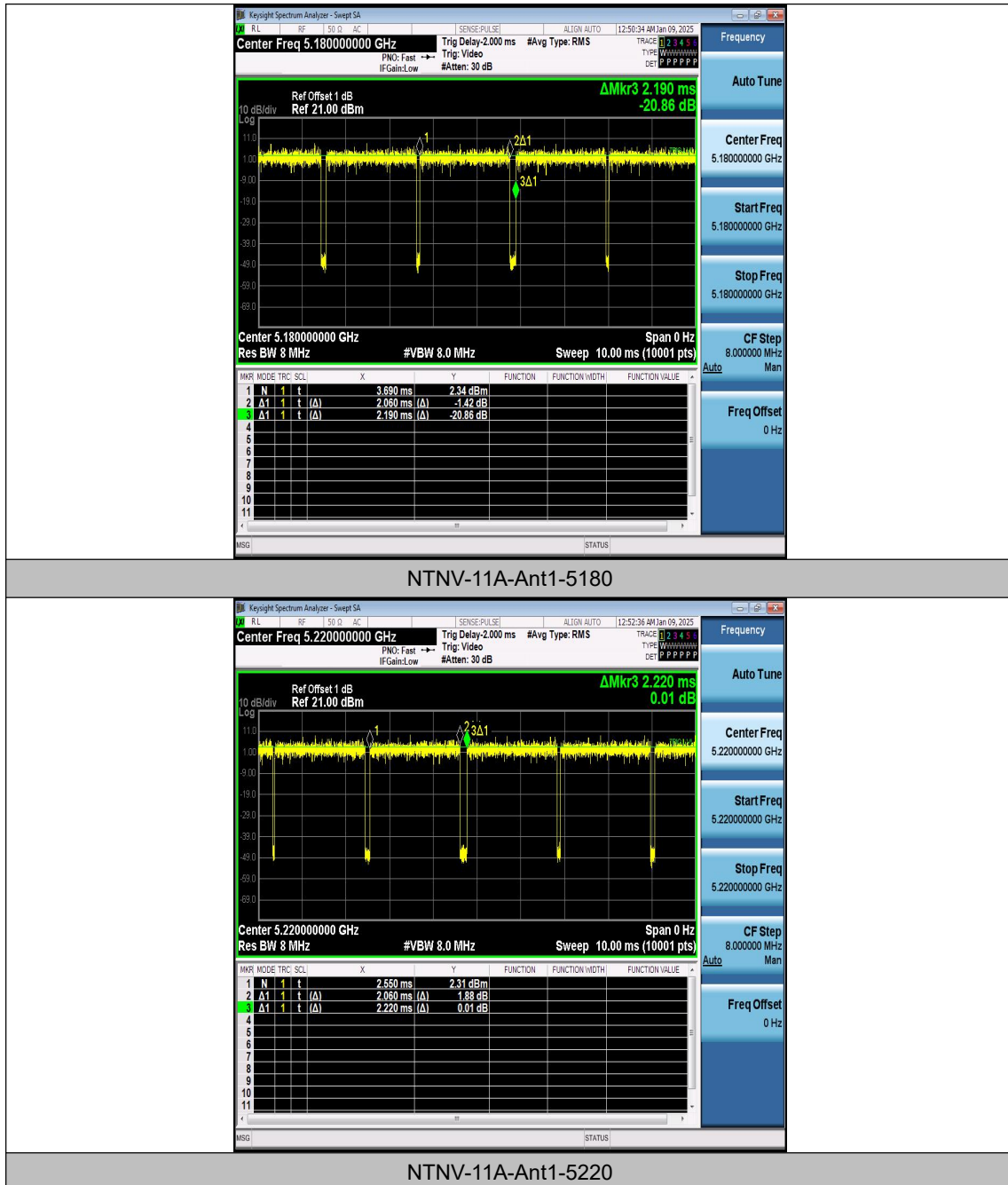
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5180	2.06	2.19	94.06	0.27	0.49
11A	Ant1	5220	2.06	2.22	92.79	0.32	0.49
11A	Ant1	5240	2.07	2.21	93.67	0.28	0.48
11N20SISO	Ant1	5180	1.92	2.14	89.72	0.47	0.52
11N20SISO	Ant1	5220	1.92	2.09	91.87	0.37	0.52
11N20SISO	Ant1	5240	1.92	2.11	91.00	0.41	0.52

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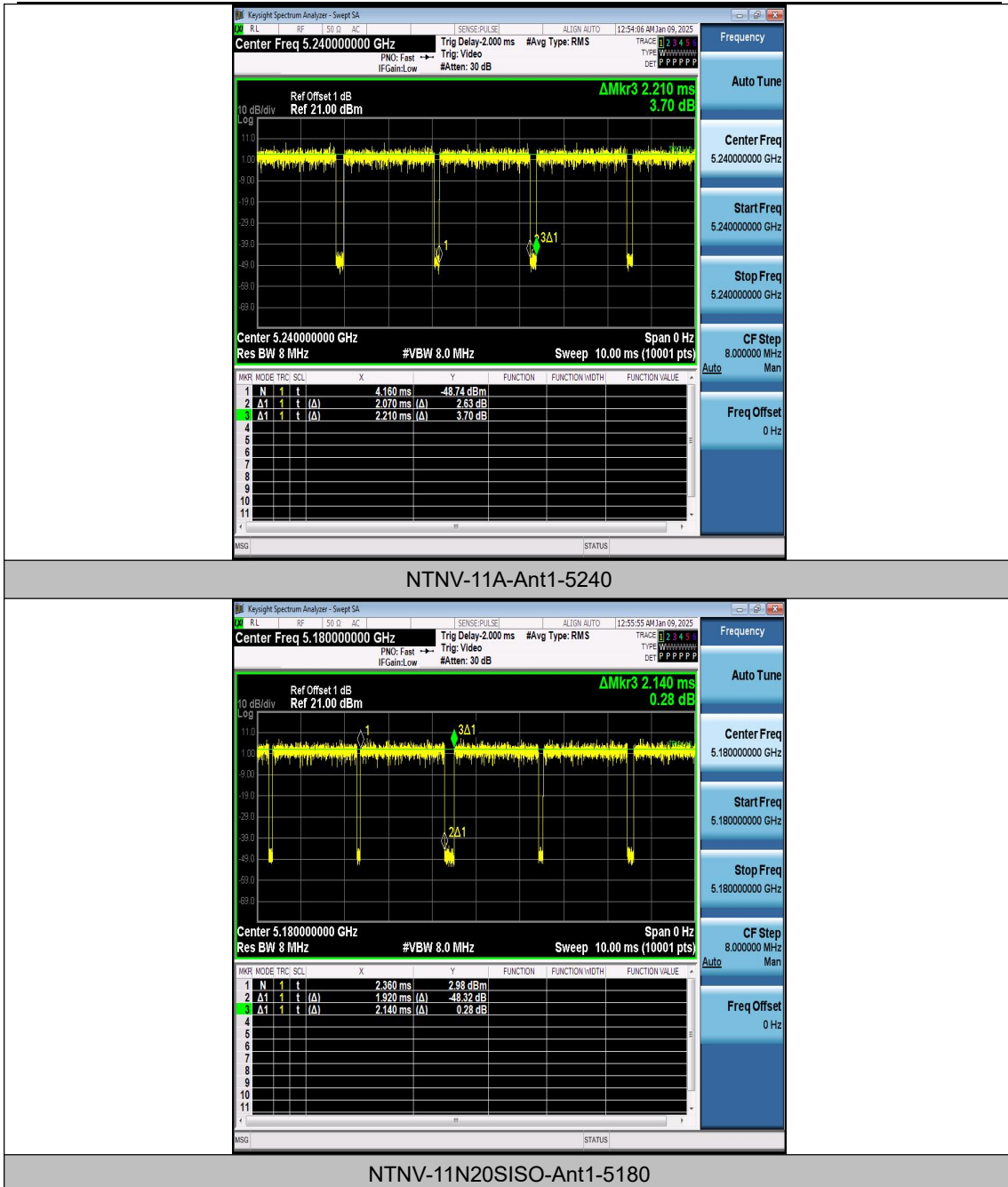
Test Graphs



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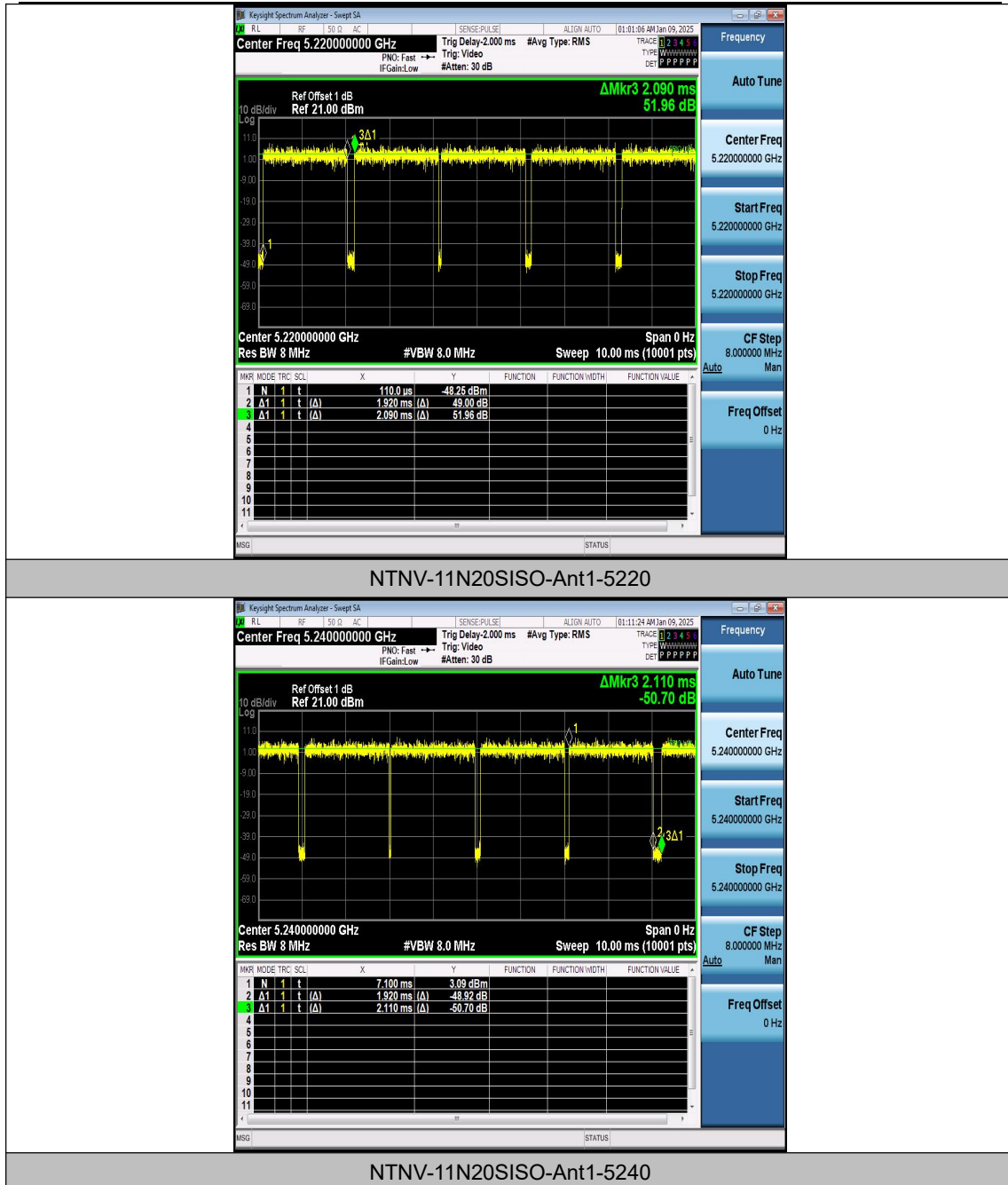


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Appendix C: Maximum Conducted Output Power

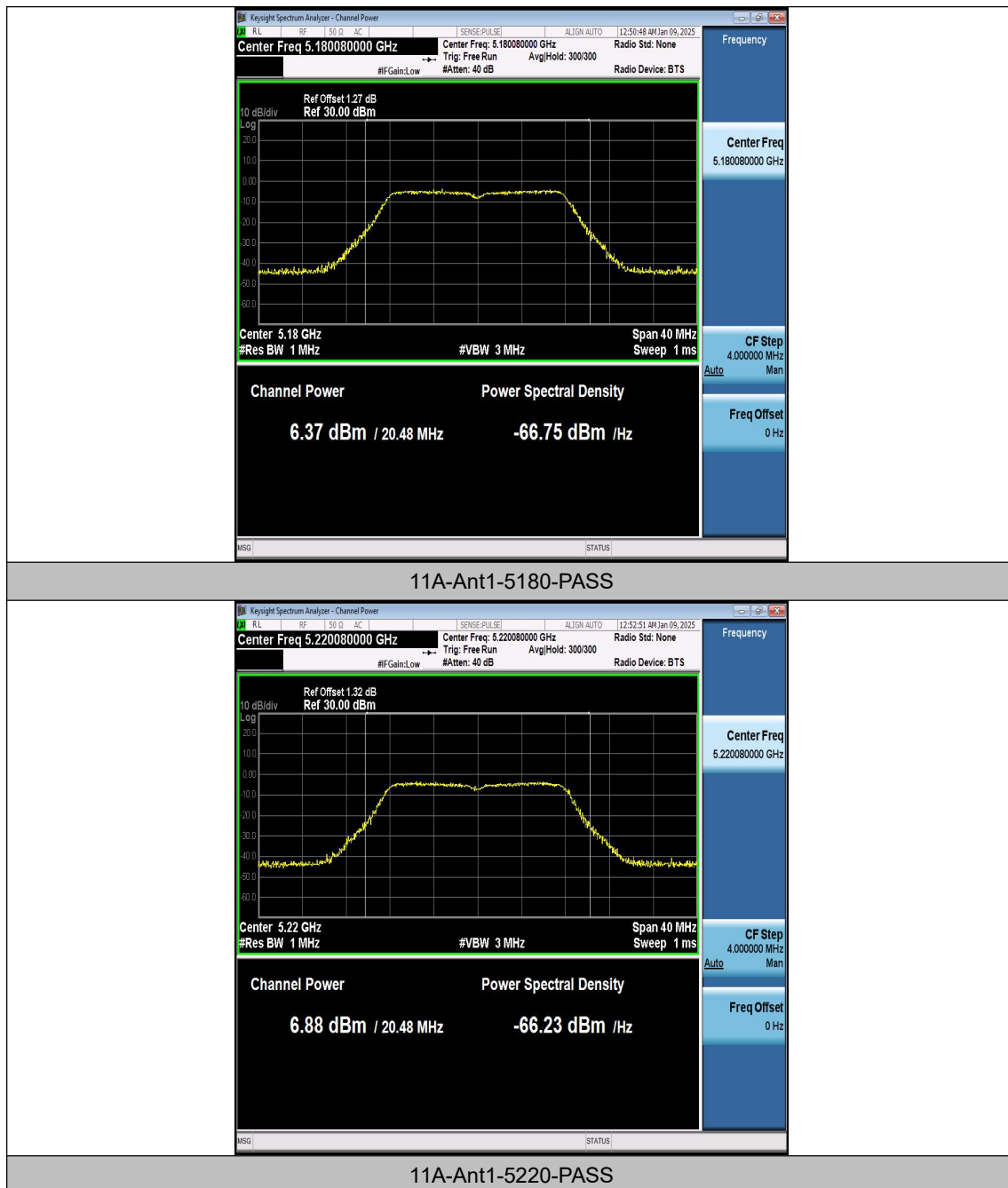
Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	6.10	94.06	0.27	6.37	≤23.98	PASS
11A	Ant1	5220	6.56	92.79	0.32	6.88	≤23.98	PASS
11A	Ant1	5240	6.50	93.67	0.28	6.78	≤23.98	PASS
11N20SISO	Ant1	5180	6.53	89.72	0.47	7.00	≤23.98	PASS
11N20SISO	Ant1	5220	7.02	91.87	0.37	7.39	≤23.98	PASS
11N20SISO	Ant1	5240	6.46	91.00	0.41	6.87	≤23.98	PASS

Note: 1.The cable loss are compensated in the graph.



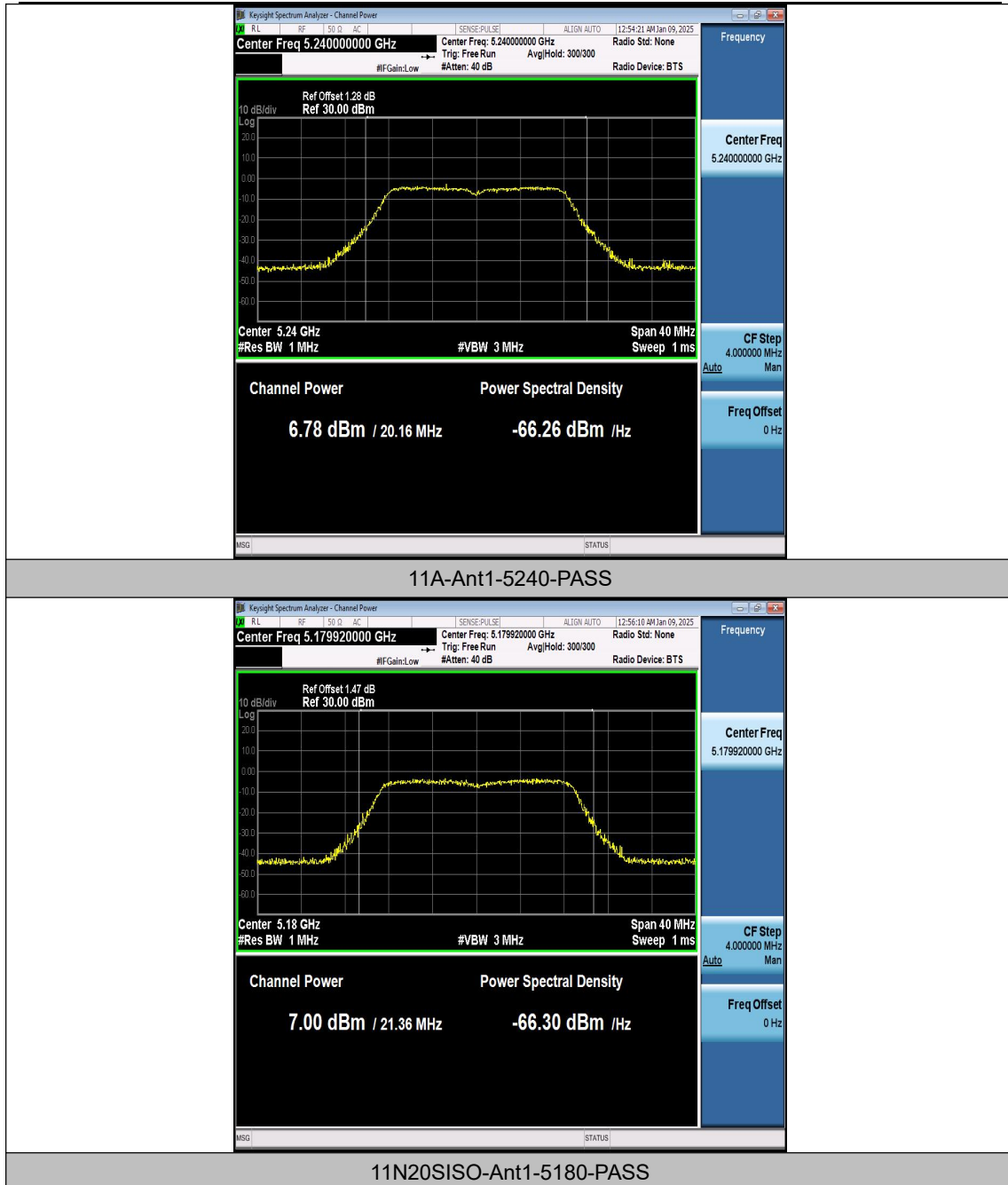
Test Graphs Channel Power



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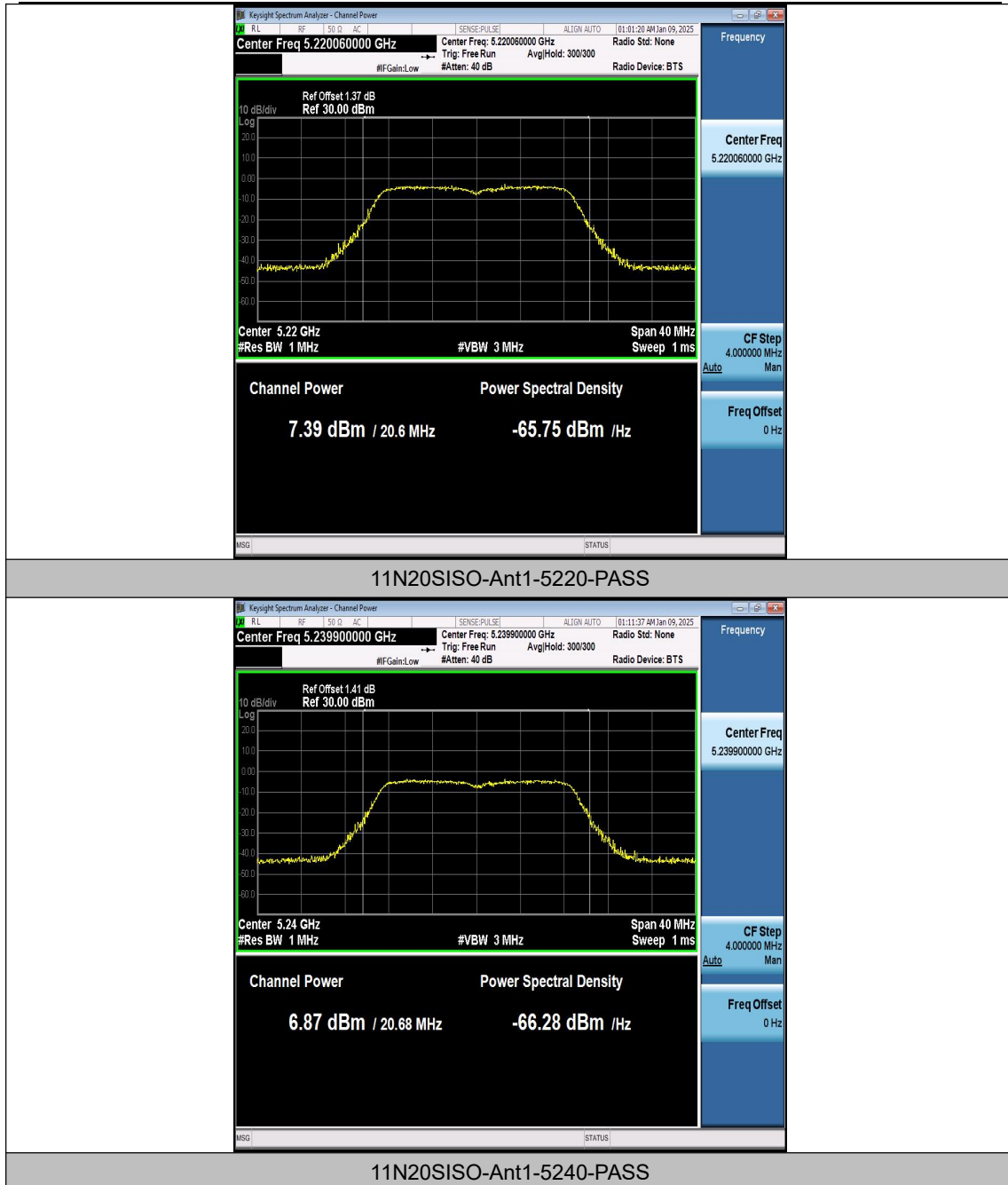


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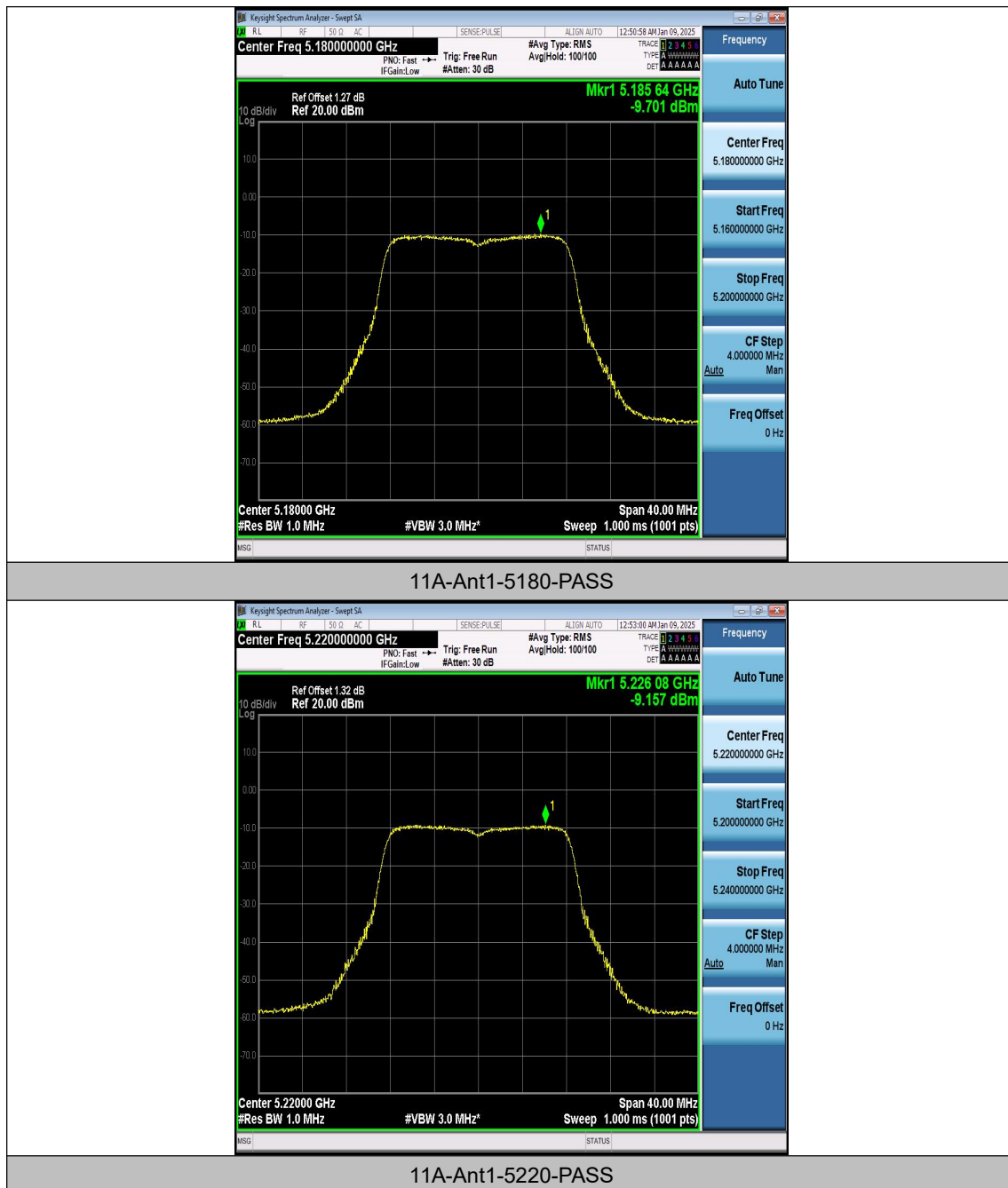
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-9.70	≤11.00	PASS
11A	Ant1	5220	-9.16	≤11.00	PASS
11A	Ant1	5240	-8.99	≤11.00	PASS
11N20SISO	Ant1	5180	-13.99	≤11.00	PASS
11N20SISO	Ant1	5220	-8.96	≤11.00	PASS
11N20SISO	Ant1	5240	-9.24	≤11.00	PASS

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

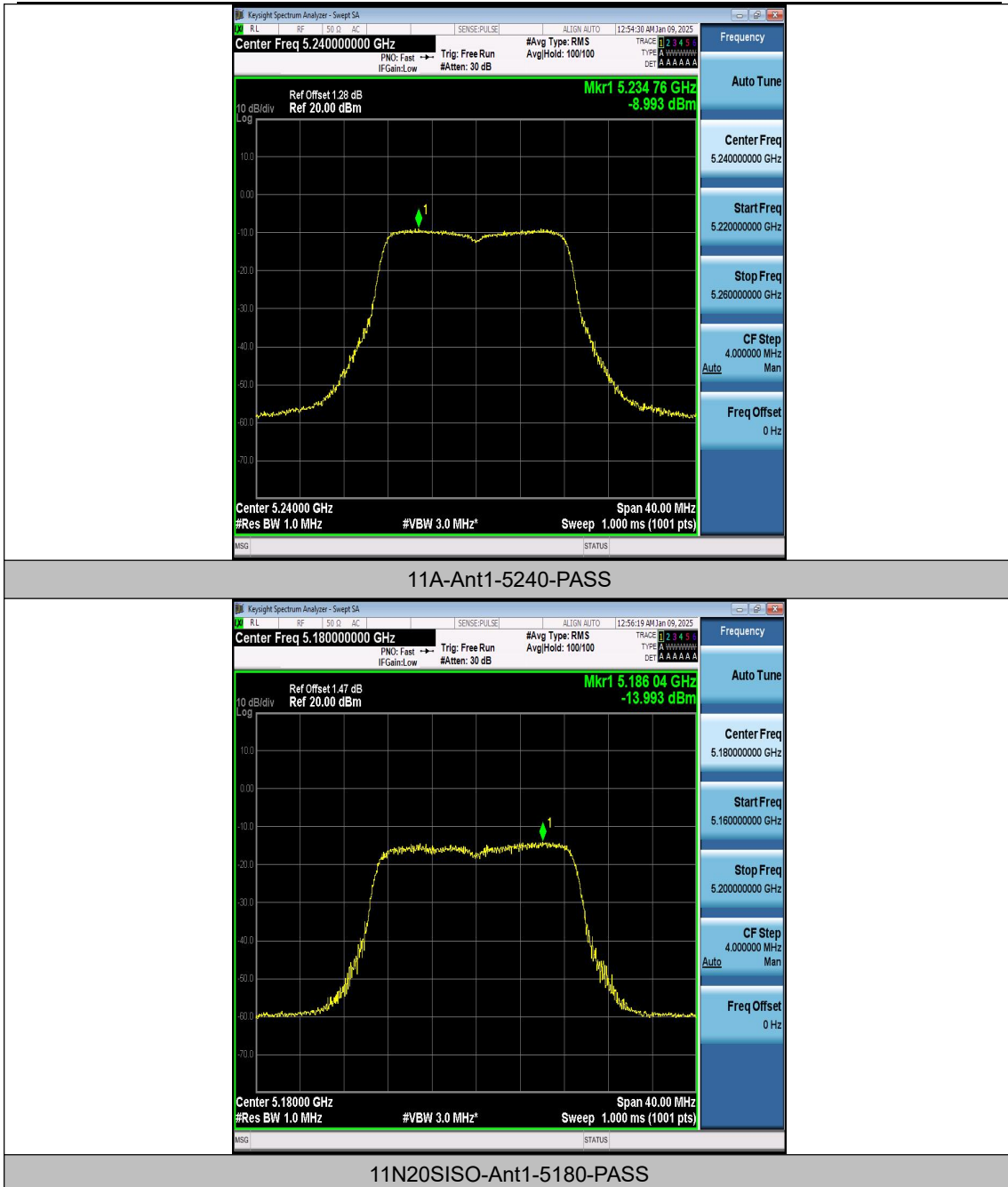
Test Graphs



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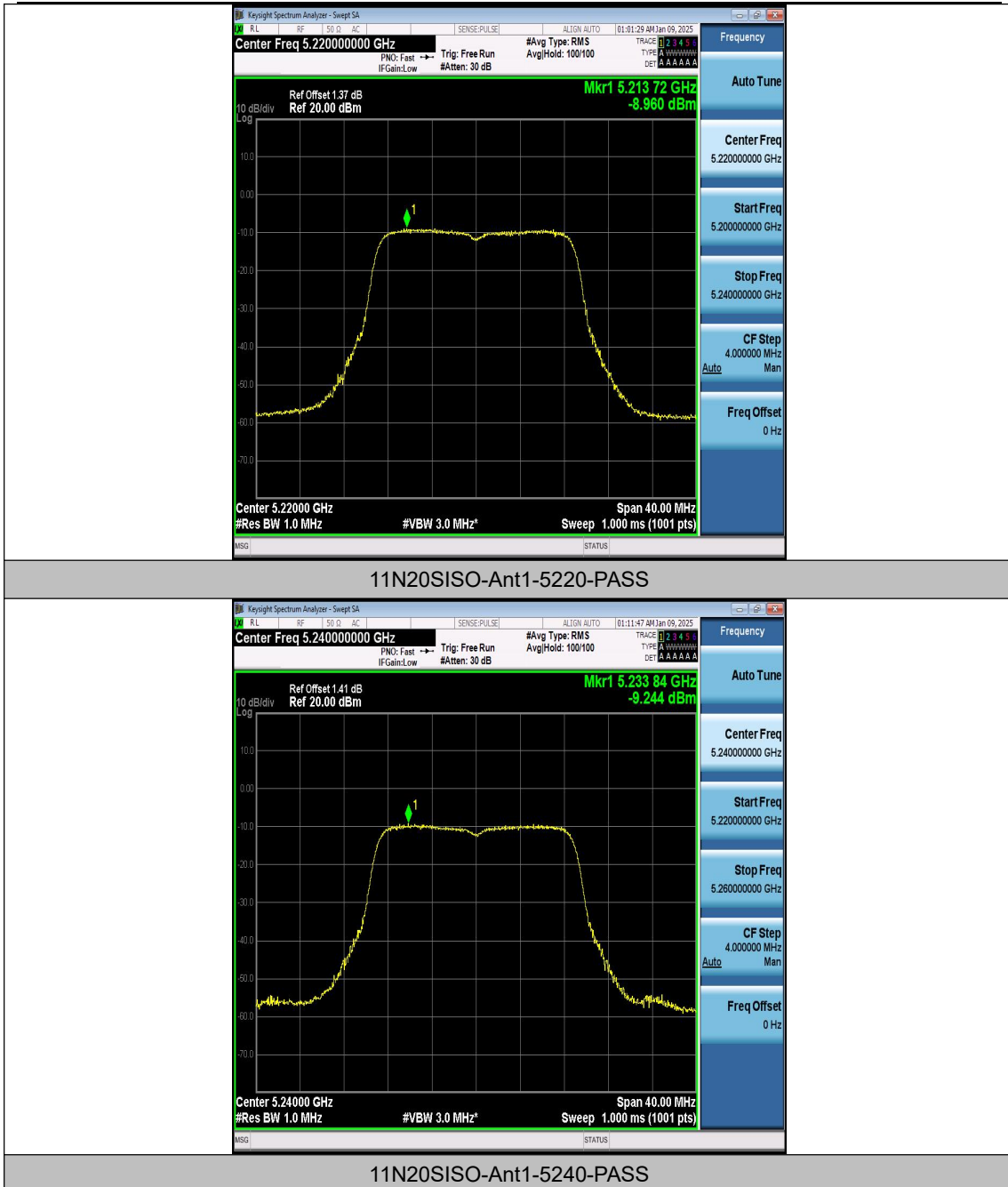


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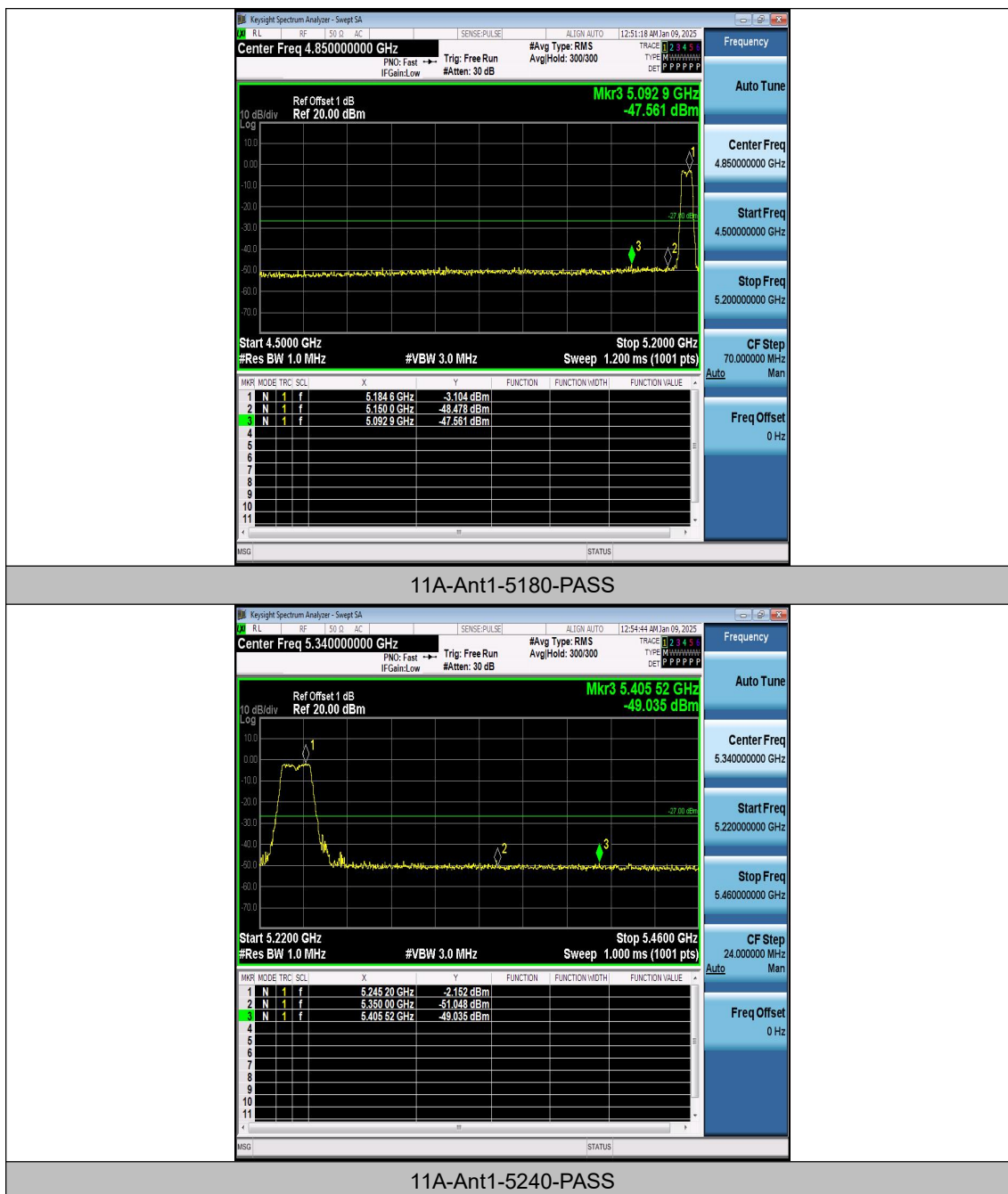
Appendix E: Band edge measurements

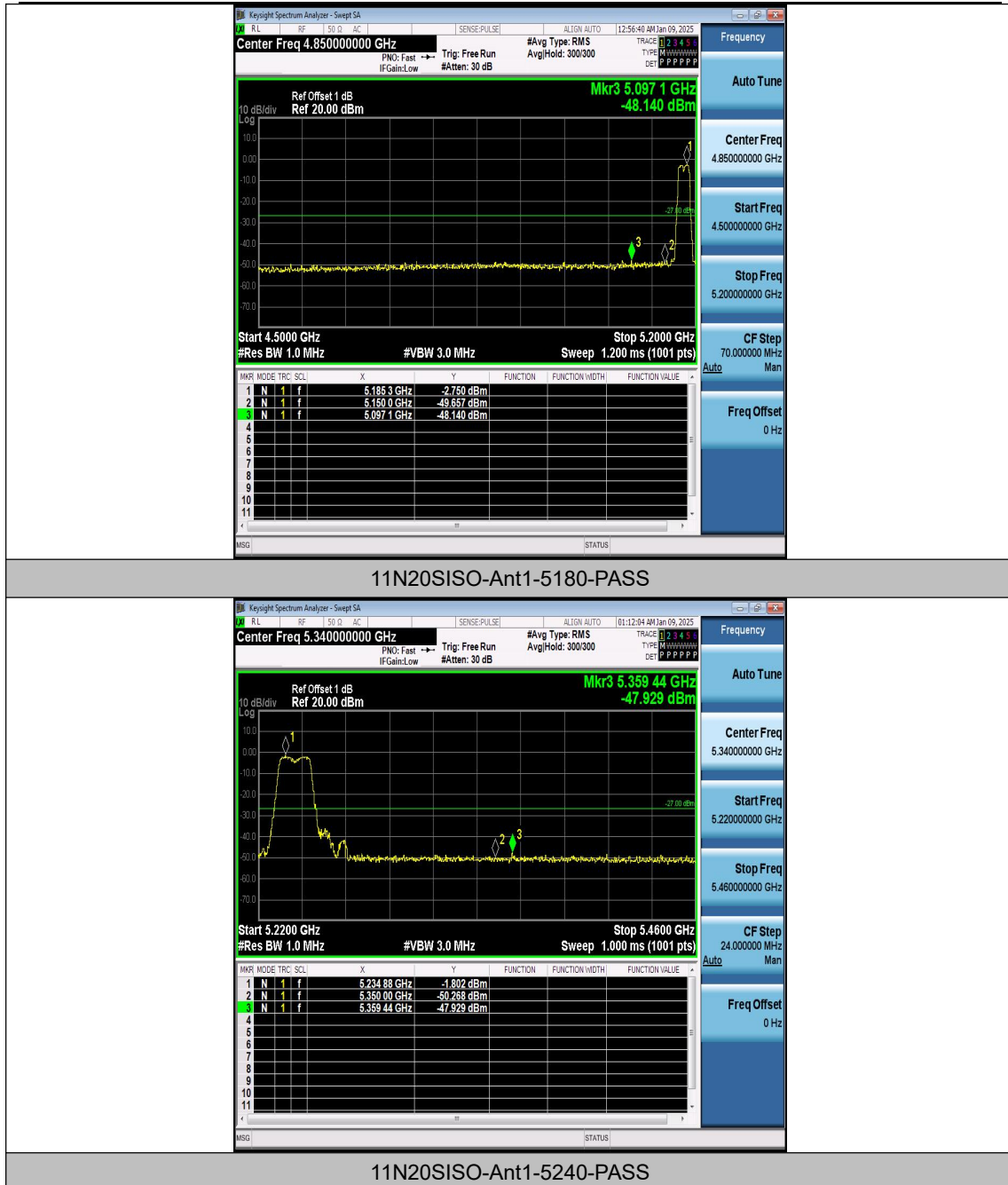
Test Result B1

Test Mode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-47.56	≤-27	PASS
11A	Ant1	High	5240	-49.04	≤-27	PASS
11N20SISO	Ant1	Low	5180	-48.14	≤-27	PASS
11N20SISO	Ant1	High	5240	-47.93	≤-27	PASS

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

Test Graphs B1





---End---