

Appendix Test Data

Report No:	18220WC30096201	Test Sample NO:	1-2-2
Start Test Date:	2023.05.22	Finish Test Date:	2023.05.26
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.3°C	Relative Humidity:	49%
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.360	5170.920	5189.280	---	---
		5200	18.760	5190.680	5209.440	---	---
		5240	18.720	5230.600	5249.320	---	---
11N20SISO	Ant1	5180	19.360	5170.320	5189.680	---	---
		5200	19.320	5190.400	5209.720	---	---
		5240	19.360	5230.360	5249.720	---	---
11N40SISO	Ant1	5190	40.800	5169.440	5210.240	---	---
		5230	41.600	5208.880	5250.480	---	---
11AC20SISO	Ant1	5180	19.320	5170.360	5189.680	---	---
		5200	19.360	5190.320	5209.680	---	---
		5240	19.400	5230.320	5249.720	---	---
11AC40SISO	Ant1	5190	41.280	5169.520	5210.800	---	---
		5230	41.360	5209.440	5250.800	---	---
11AC80SISO	Ant1	5210	80.960	5169.680	5250.640	---	---



Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

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11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

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Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.479	5171.7865	5188.2655	---	---
		5200	16.511	5191.7563	5208.2673	---	---
		5240	16.488	5231.7642	5248.2522	---	---
11N20SISO	Ant1	5180	17.629	5171.2199	5188.8489	---	---
		5200	17.632	5191.1895	5208.8215	---	---
		5240	17.618	5231.2003	5248.8183	---	---
11N40SISO	Ant1	5190	36.372	5171.9256	5208.2976	---	---
		5230	36.458	5211.7689	5248.2269	---	---
11AC20SISO	Ant1	5180	17.628	5171.1975	5188.8255	---	---
		5200	17.632	5191.1956	5208.8276	---	---
		5240	17.635	5231.1938	5248.8288	---	---
11AC40SISO	Ant1	5190	36.324	5171.8754	5208.1994	---	---
		5230	36.367	5211.8616	5248.2286	---	---
11AC80SISO	Ant1	5210	74.758	5172.7804	5247.5384	---	---



Test Graphs



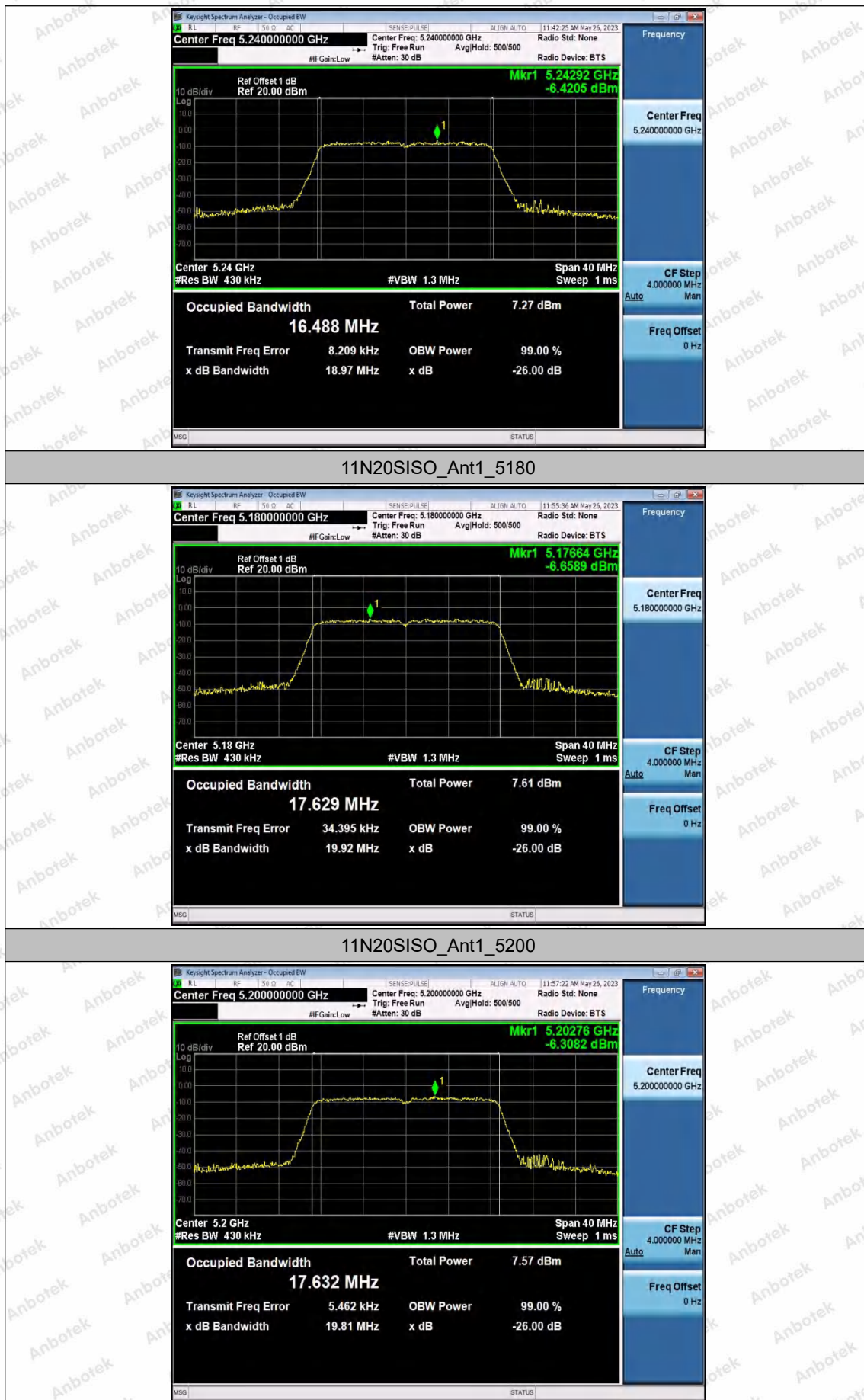
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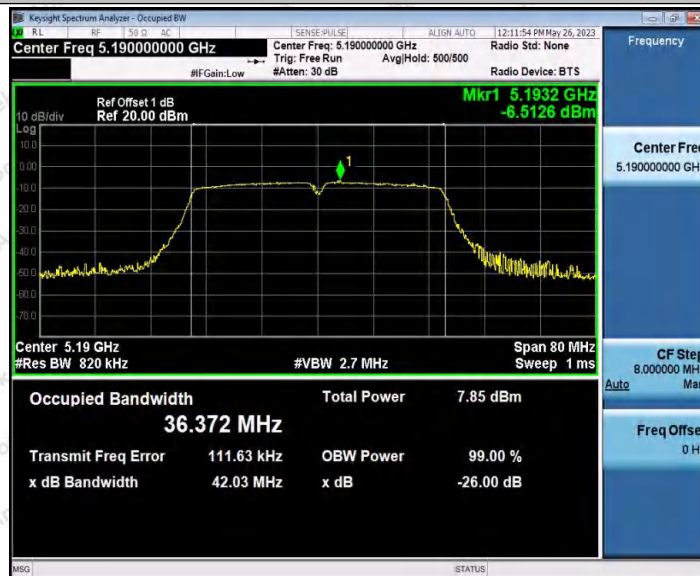
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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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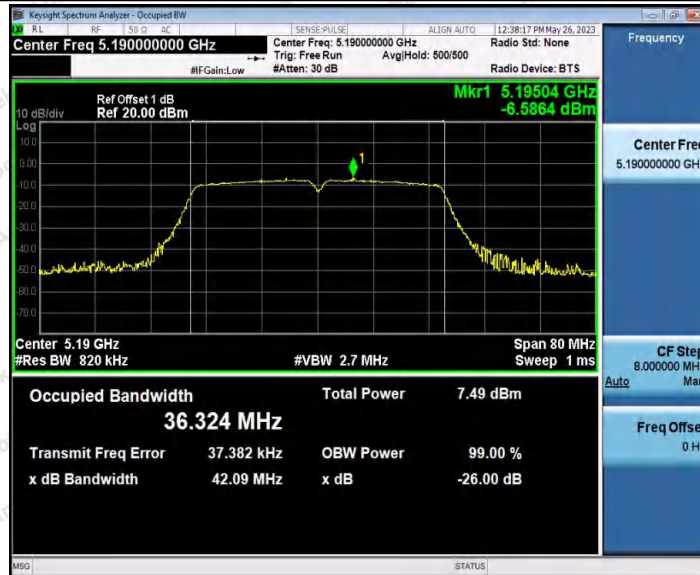
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

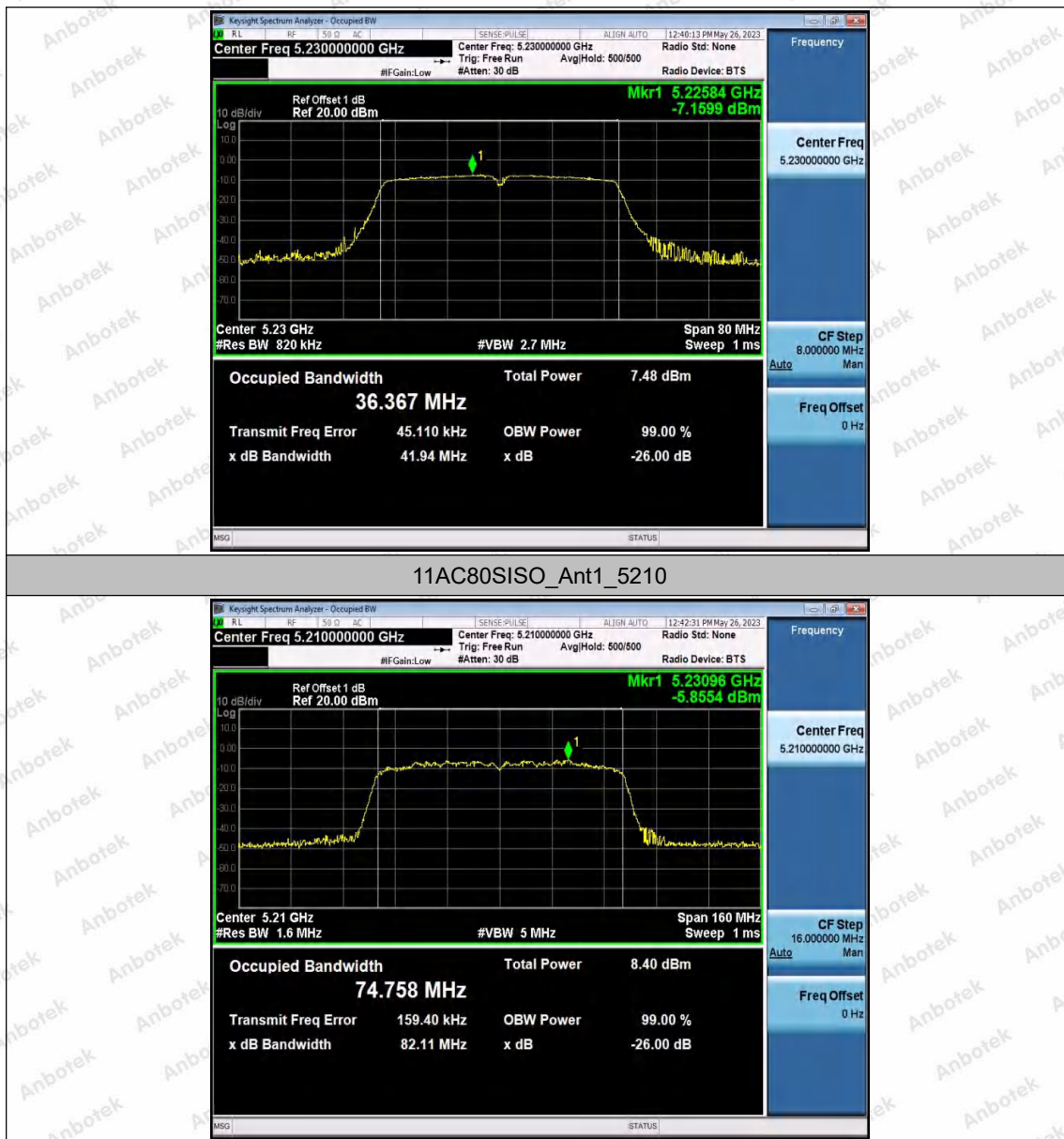
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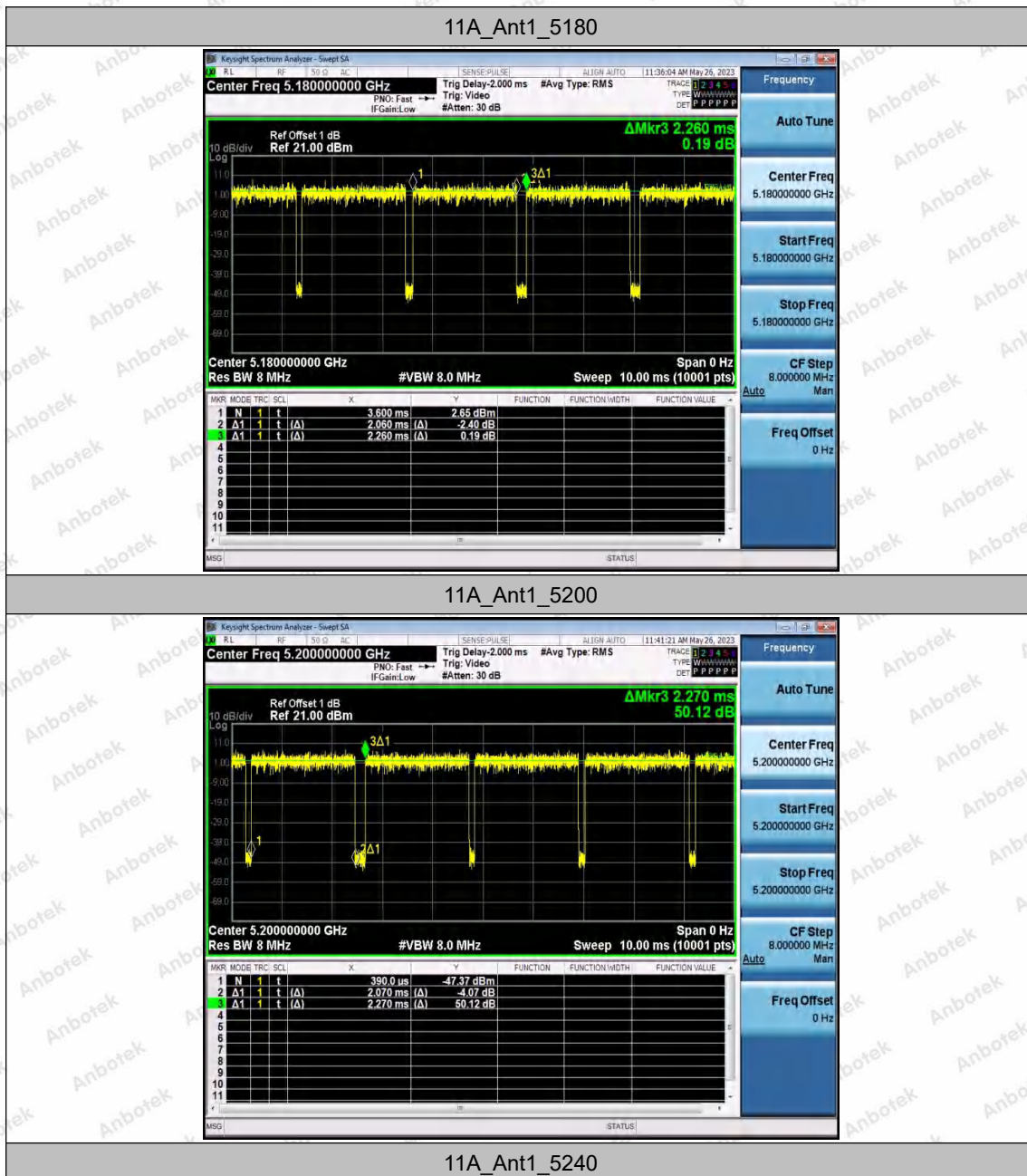
Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.06	2.26	91.15
		5200	2.07	2.27	91.19
		5240	2.07	2.30	90.00
11N20SISO	Ant1	5180	1.92	2.15	89.30
		5200	1.92	2.16	88.89
		5240	1.92	2.15	89.30
11N40SISO	Ant1	5190	0.94	1.13	83.19
		5230	0.94	1.54	61.04
11AC20SISO	Ant1	5180	1.93	2.18	88.53
		5200	1.93	2.14	90.19
		5240	1.93	2.17	88.94
11AC40SISO	Ant1	5190	0.95	1.20	79.17
		5230	0.95	1.20	79.17
11AC80SISO	Ant1	5210	0.46	0.71	64.79



Test Graphs



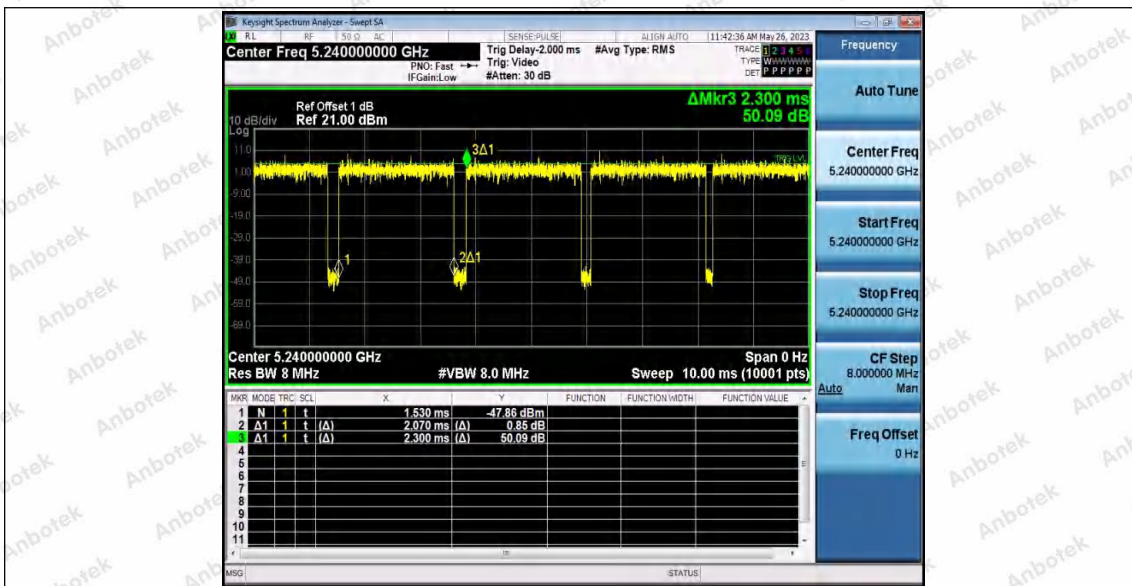
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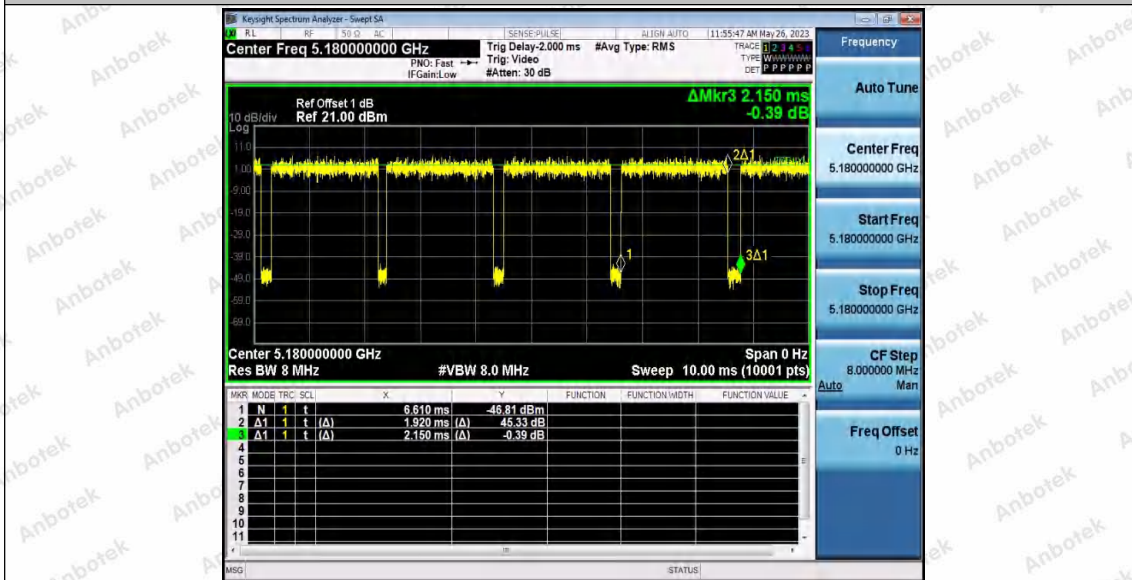


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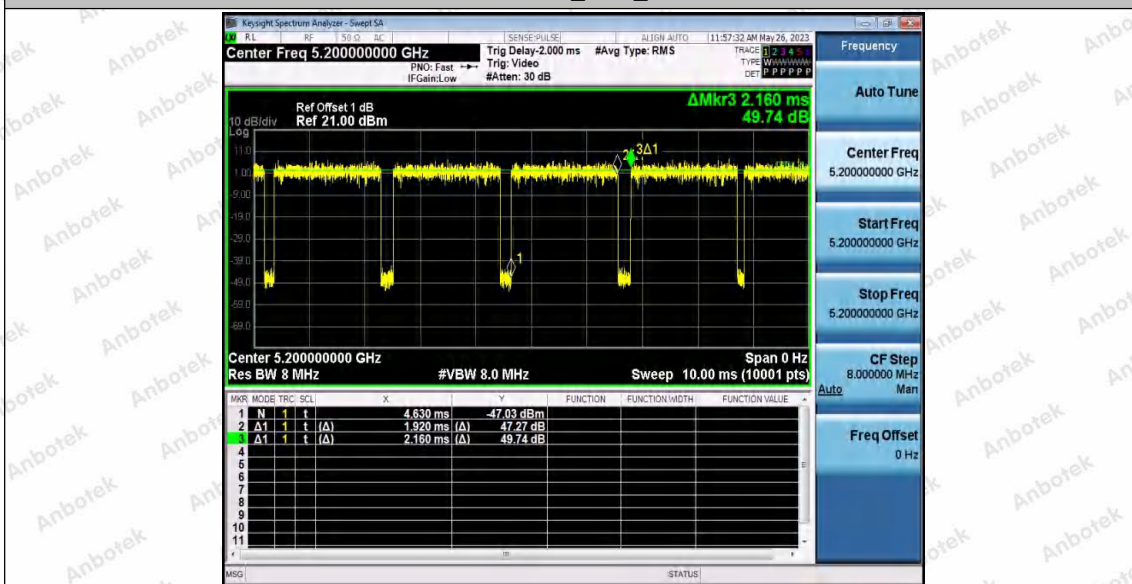




11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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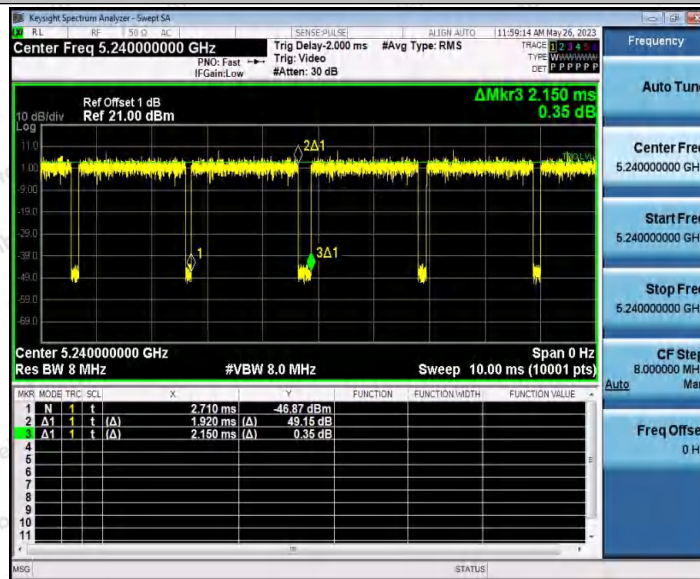
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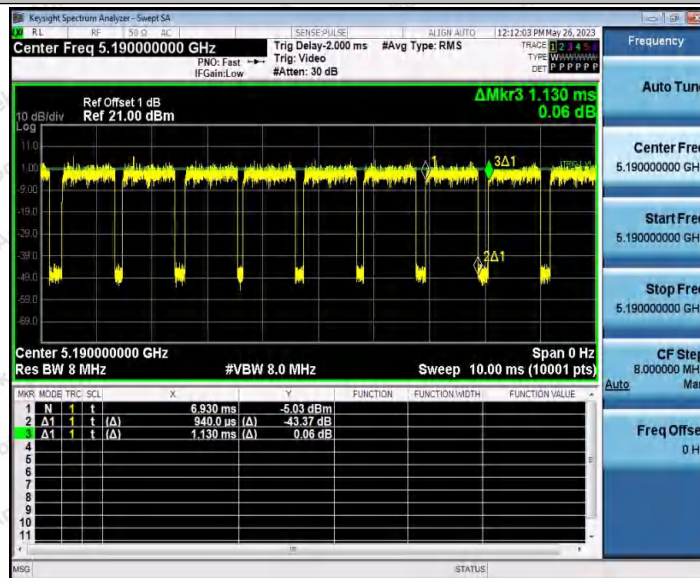
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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

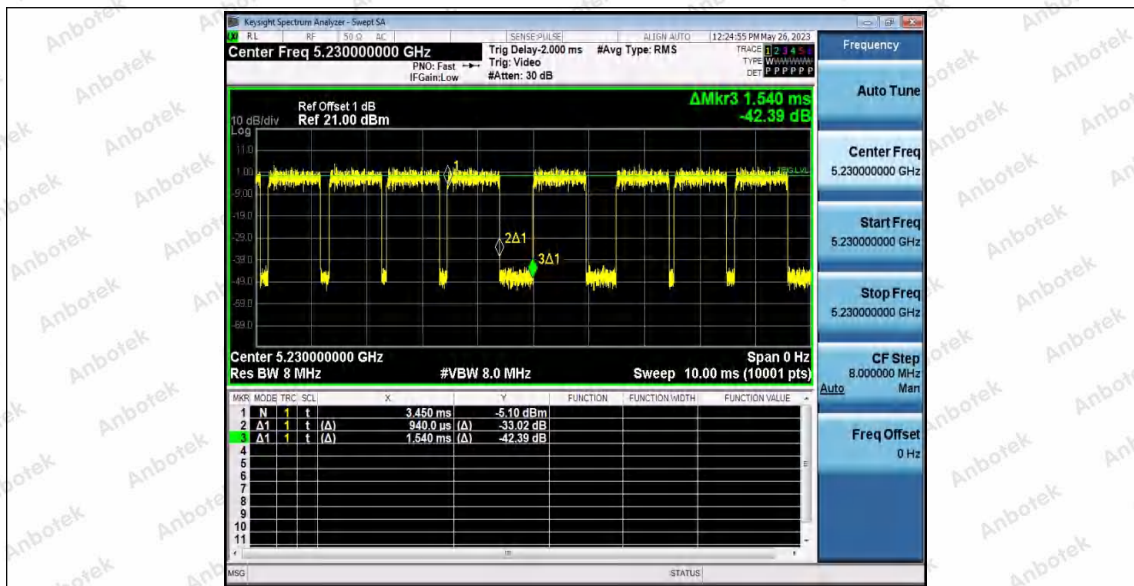
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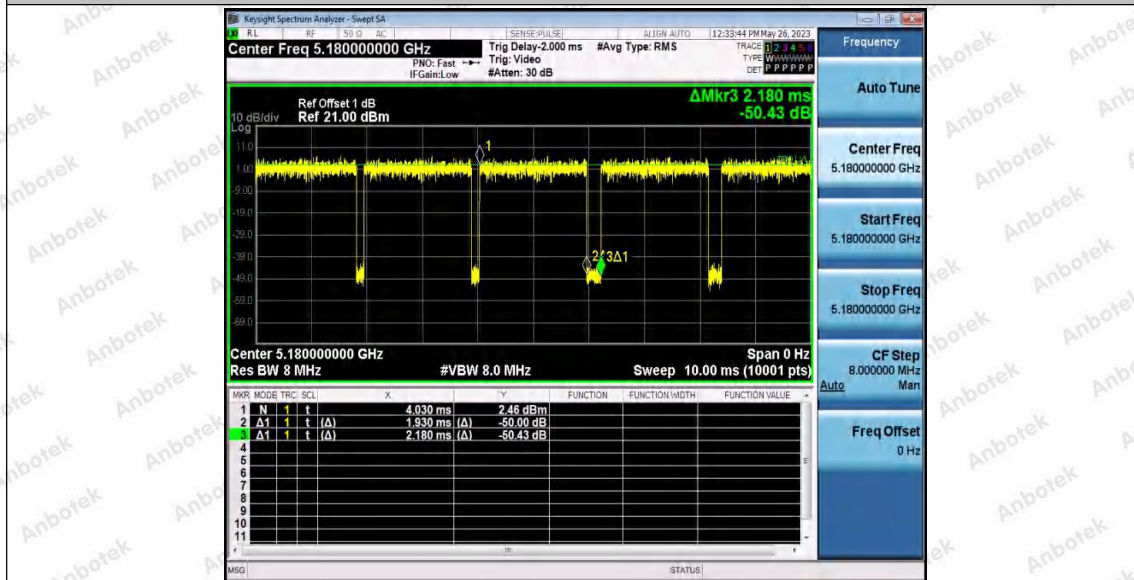


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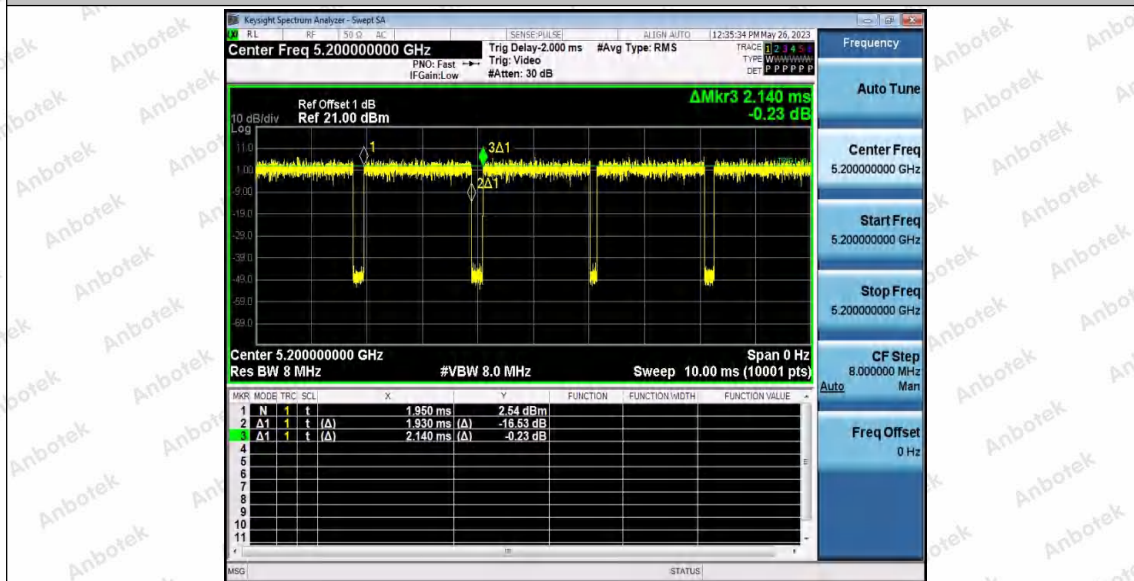




11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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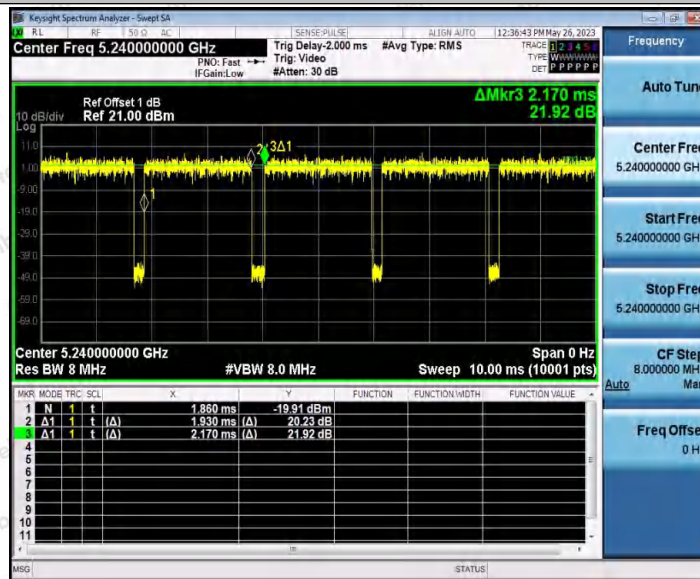
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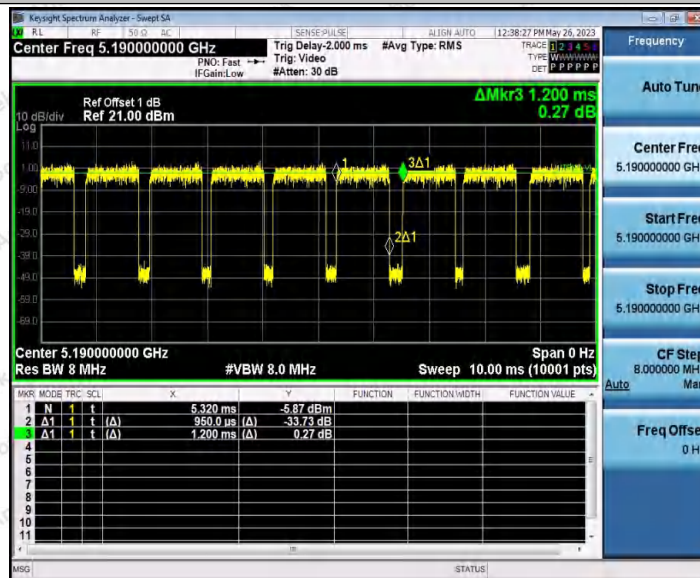
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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

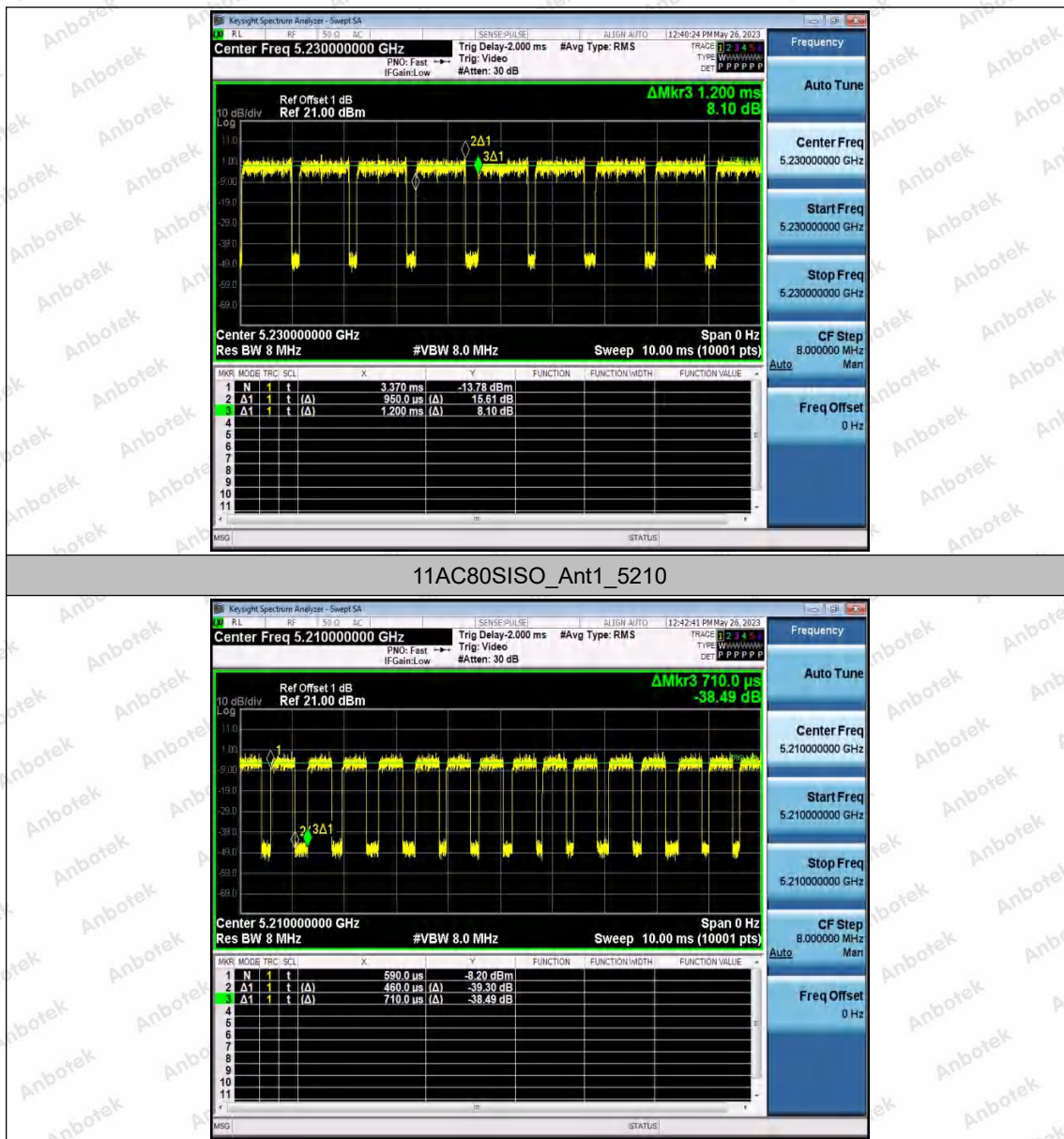
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Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
11A	Ant1	5180	---	5.78	91.15	0.40	6.18	≤23.98
		5200	---	5.63	91.19	0.40	6.03	≤23.98
		5240	---	5.47	90.00	0.46	5.93	≤23.98
11N20 SISO	Ant1	5180	---	5.77	89.30	0.49	6.26	≤23.98
		5200	---	5.69	88.89	0.51	6.20	≤23.98
		5240	---	5.16	89.30	0.49	5.65	≤23.98
11N40 SISO	Ant1	5190	---	5.41	83.19	0.80	6.21	≤23.98
		5230	---	4.68	61.04	2.14	6.82	≤23.98
11AC2 0SISO	Ant1	5180	---	5.72	88.53	0.53	6.25	≤23.98
		5200	---	5.76	90.19	0.45	6.21	≤23.98
		5240	---	5.32	88.94	0.51	5.83	≤23.98
11AC4 0SISO	Ant1	5190	---	5.12	79.17	1.01	6.13	≤23.98
		5230	---	5.14	79.17	1.01	6.15	≤23.98
11AC8 0SISO	Ant1	5210	---	4.81	64.79	1.88	6.69	≤23.98

Note: The Duty Cycle Factor is compensated in the graph.



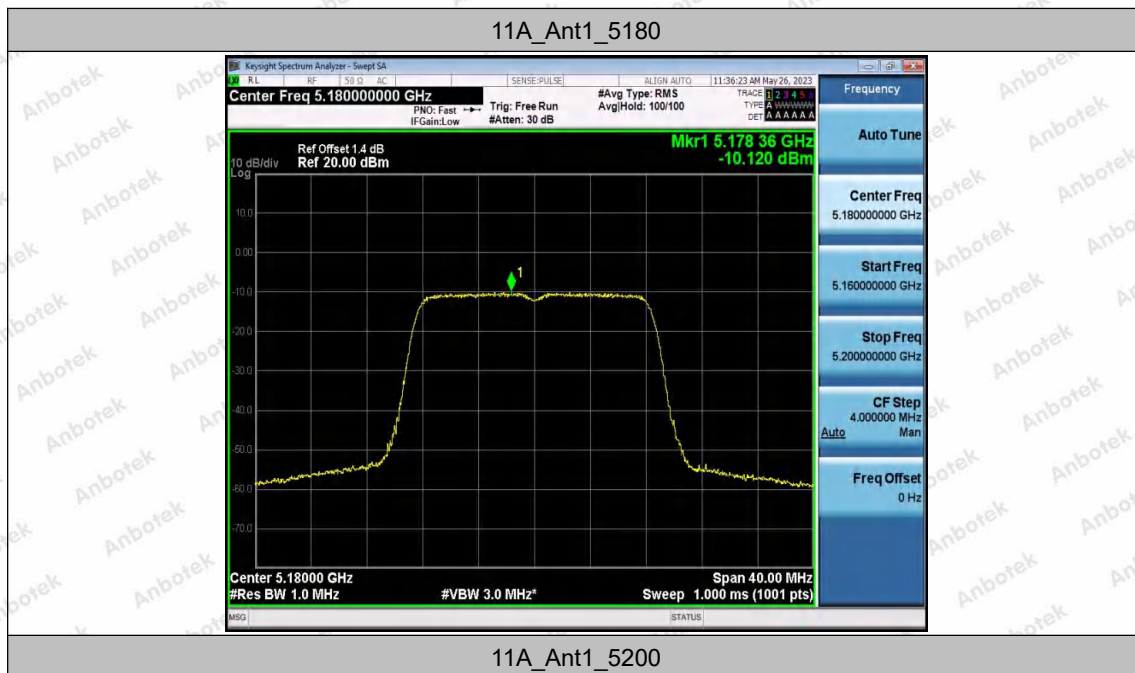
Appendix D: Maximum power spectral density

Test Result B1

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-10.12	≤11.00	PASS
		5200	-10.33	≤11.00	PASS
		5240	-10.21	≤11.00	PASS
11N20SISO	Ant1	5180	-10.13	≤11.00	PASS
		5200	-10.38	≤11.00	PASS
		5240	-10.76	≤11.00	PASS
11N40SISO	Ant1	5190	-13.64	≤11.00	PASS
		5230	-13.28	≤11.00	PASS
11AC20SISO	Ant1	5180	-10.55	≤11.00	PASS
		5200	-10.78	≤11.00	PASS
		5240	-11.08	≤11.00	PASS
11AC40SISO	Ant1	5190	-13.44	≤11.00	PASS
		5230	-13.35	≤11.00	PASS
11AC80SISO	Ant1	5210	-16.84	≤11.00	PASS

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs B1





11A_Ant1_5240



11N20SISO_Ant1_5180



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11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190

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11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190

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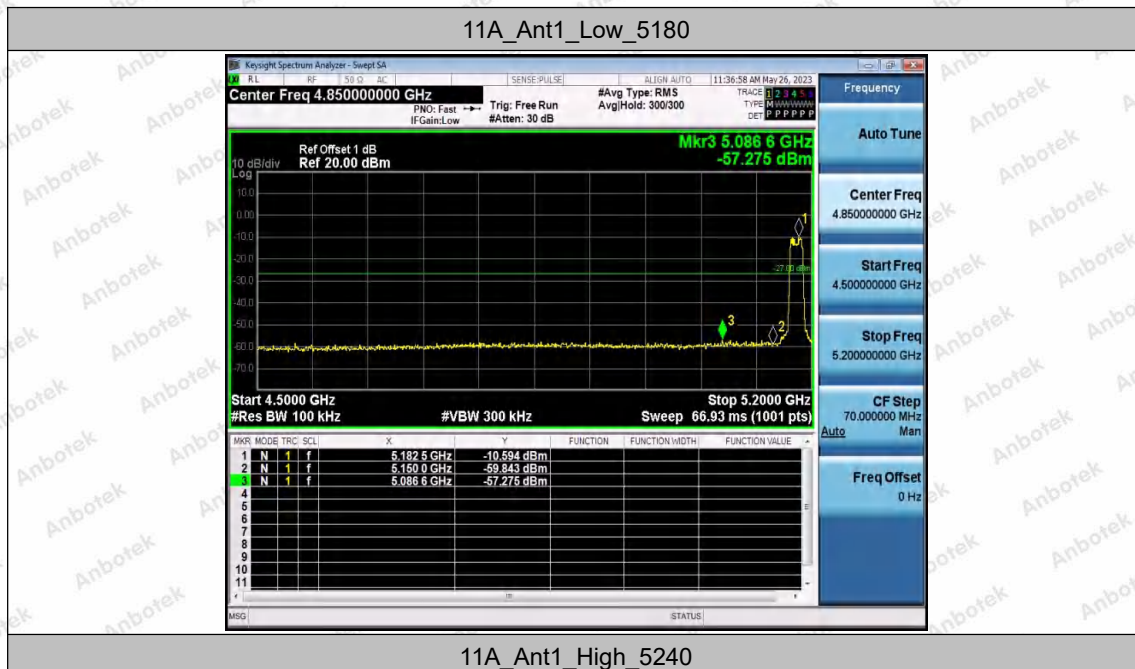


Appendix E: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-57.28	≤-27	PASS
		High	5240	-58.23	≤-27	PASS
11N20SISO	Ant1	Low	5180	-56.95	≤-27	PASS
		High	5240	-58.2	≤-27	PASS
11N40SISO	Ant1	Low	5190	-56.77	≤-27	PASS
		High	5230	-57.98	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-56.82	≤-27	PASS
		High	5240	-56.84	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-56.75	≤-27	PASS
		High	5230	-58.4	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-57.3	≤-27	PASS
		High	5210	-57.54	≤-27	PASS

Test Graphs B1



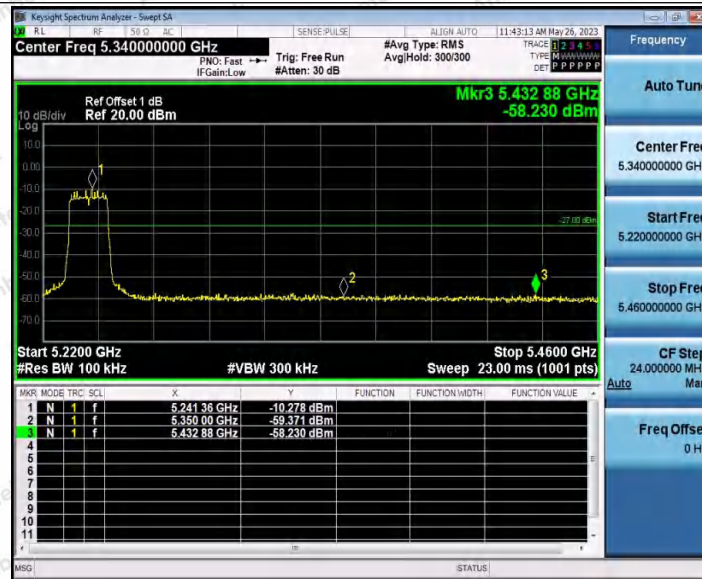
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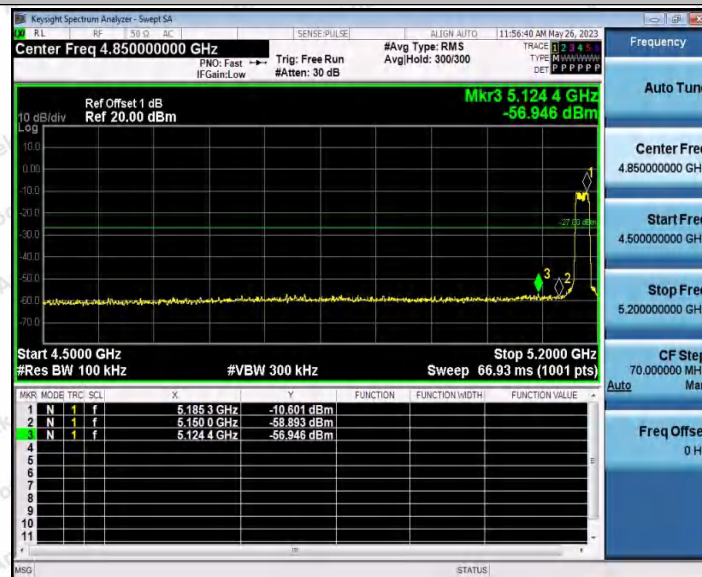


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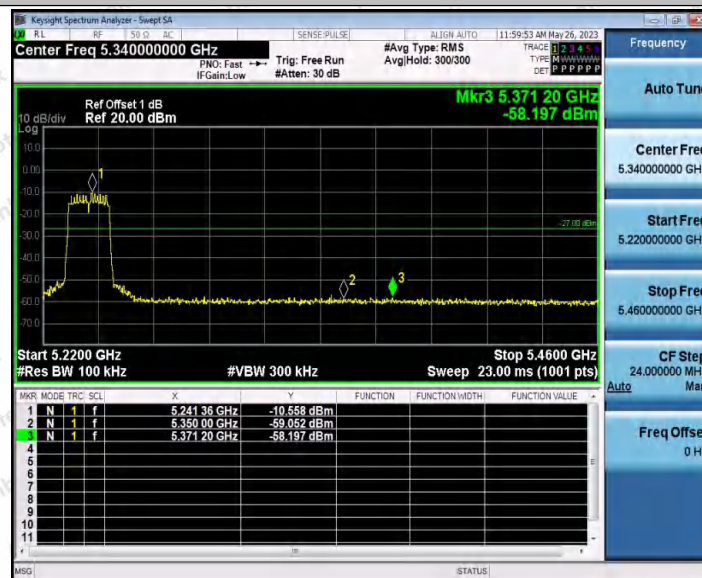




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11N20SISO_Ant1_High_5240



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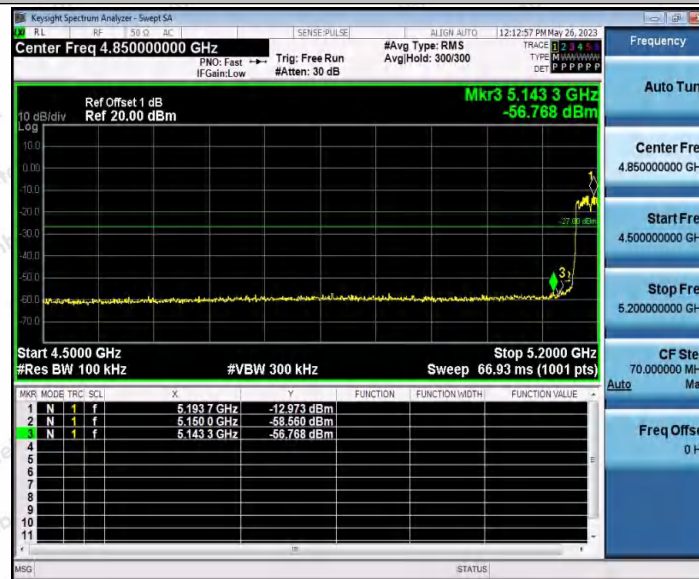
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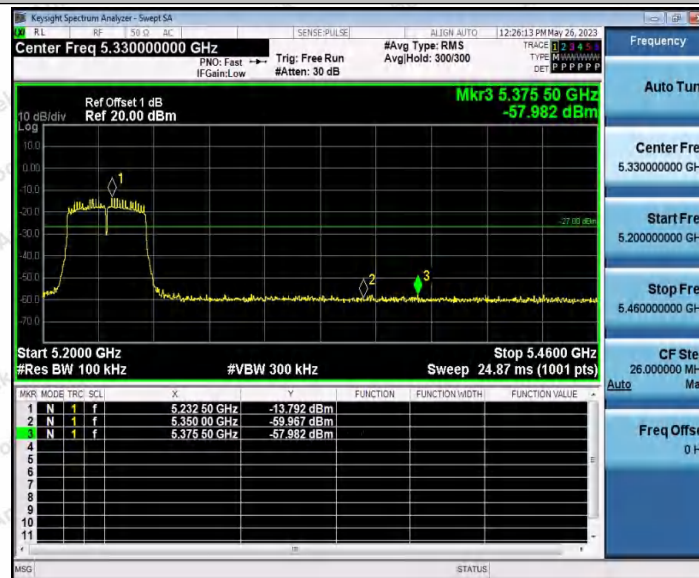
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11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



11AC20SISO_Ant1_Low_5180

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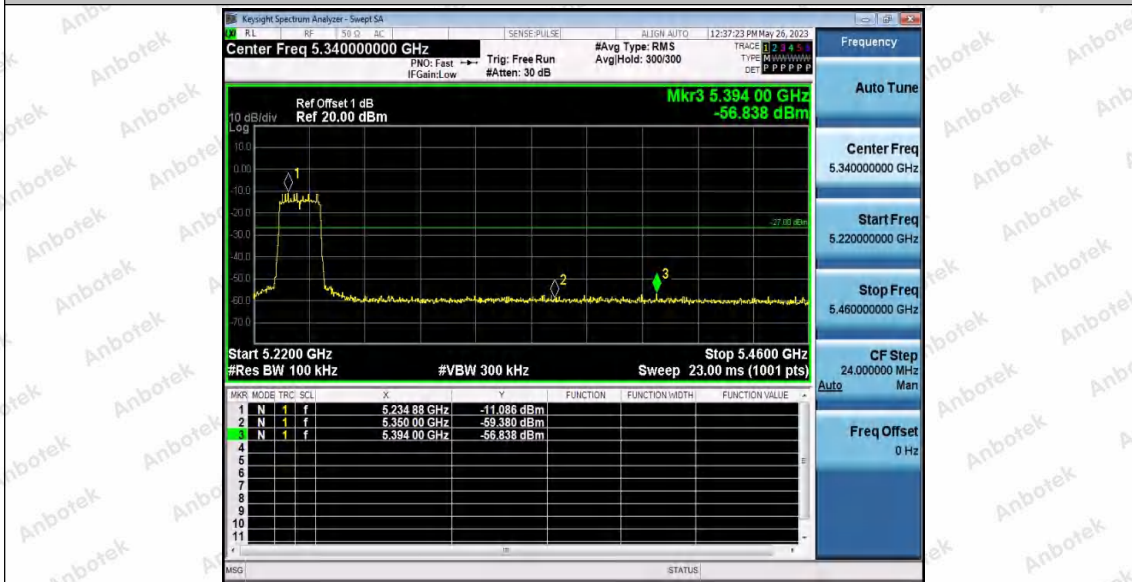


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11AC20SISO_Ant1_High_5240



11AC40SISO_Ant1_Low_5190



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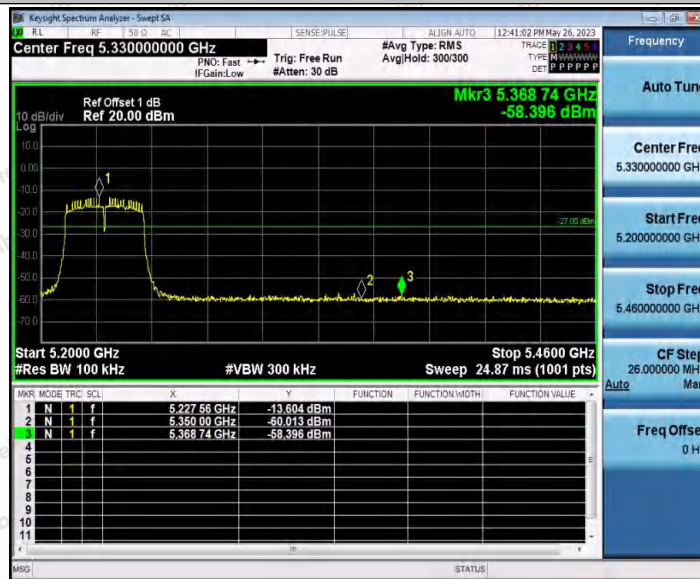
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11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210

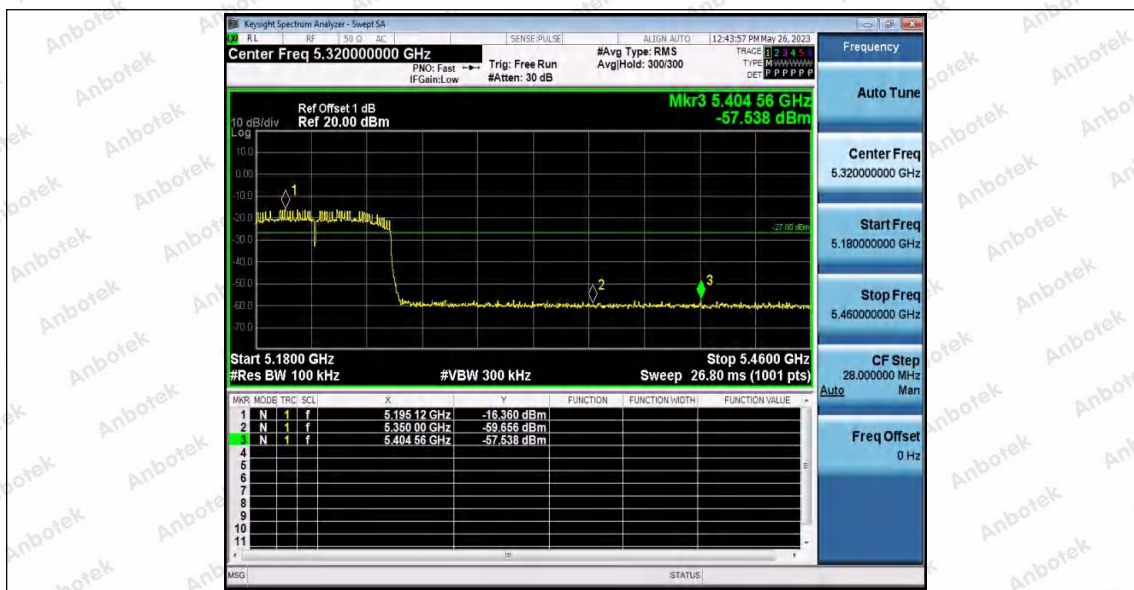
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