

Appendix Test Data

Report No.:	18220WC20258302	Test Sample No.:	1-2-2
Start Test Date:	2022.11.8	Finish Test Date:	2022.12.15
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]
11A	Ant1	5180	19.760	5170.280	5190.040
		5200	19.960	5190.080	5210.040
		5240	19.800	5230.240	5250.040
11N20SISO	Ant1	5180	20.920	5169.560	5190.480
		5200	20.960	5189.520	5210.480
		5240	20.400	5229.840	5250.240
11N40SISO	Ant1	5190	38.880	5170.640	5209.520
		5230	39.120	5210.560	5249.680
11AC20SISO	Ant1	5180	20.840	5169.640	5190.480
		5200	20.880	5189.520	5210.400
		5240	20.680	5229.560	5250.240
11AC40SISO	Ant1	5190	39.840	5170.080	5209.920
		5230	40.000	5210.000	5250.000
11AC80SISO	Ant1	5210	79.840	5170.480	5250.320

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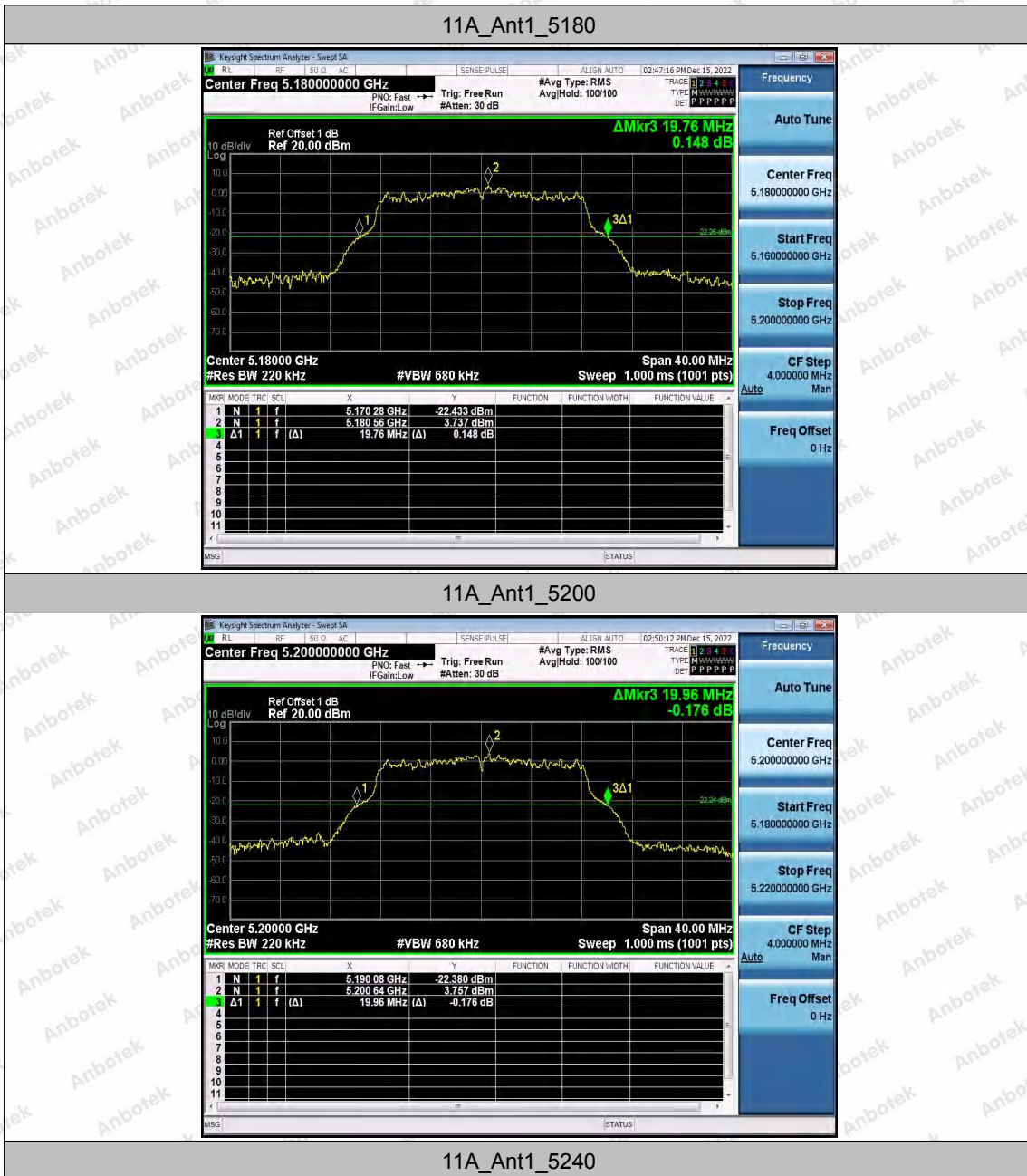
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Test Graphs



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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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11AC80SISO_Ant1_5210



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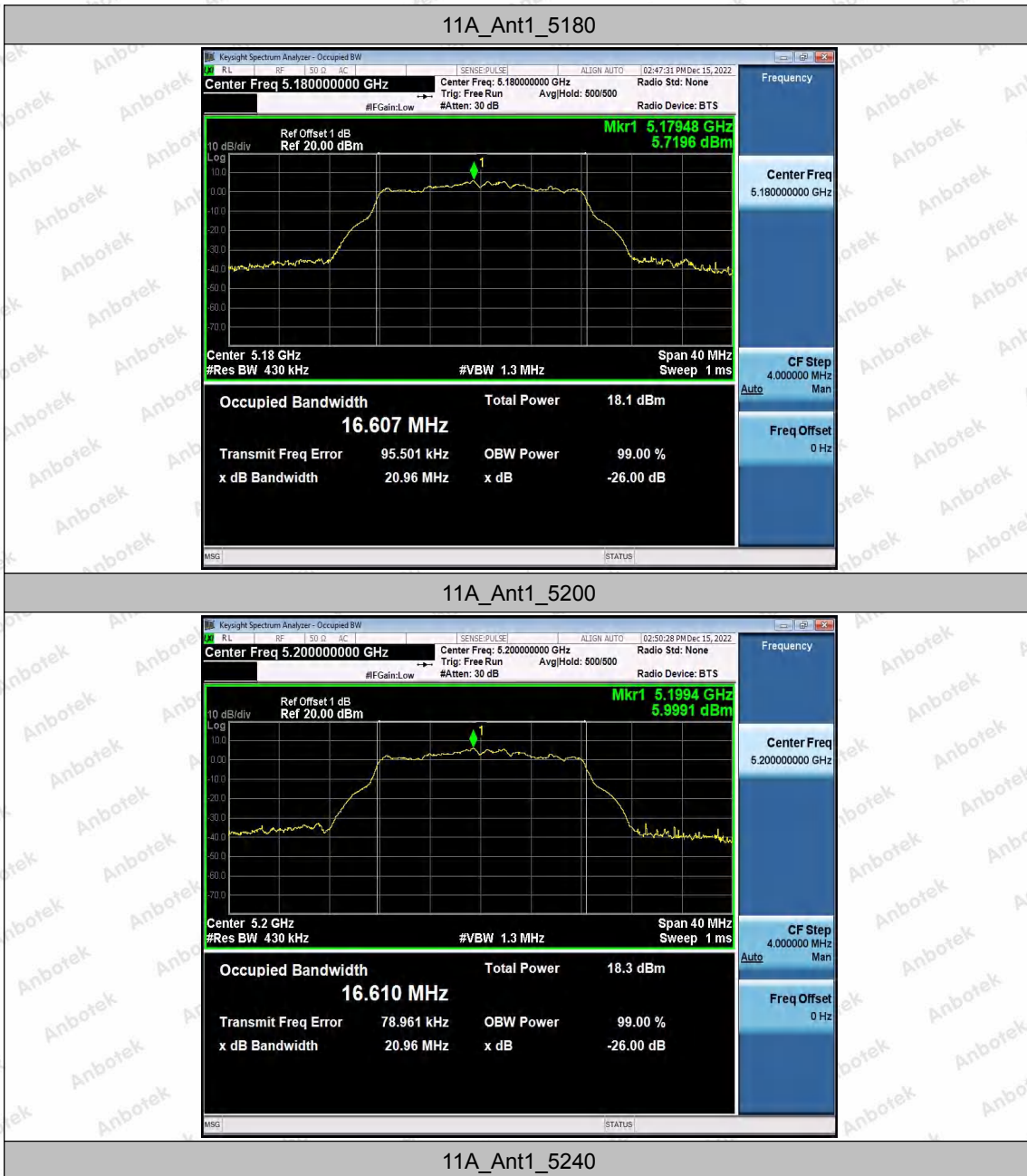
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.607	5171.7920	5188.3990	---	---
		5200	16.610	5191.7740	5208.3840	---	---
		5240	16.602	5231.7704	5248.3724	---	---
11N20SISO	Ant1	5180	17.990	5171.0632	5189.0532	---	---
		5200	17.968	5191.0847	5209.0527	---	---
		5240	17.961	5231.0691	5249.0301	---	---
11N40SISO	Ant1	5190	36.229	5171.9861	5208.2151	---	---
		5230	36.217	5211.9604	5248.1774	---	---
11AC20SISO	Ant1	5180	18.103	5170.9748	5189.0778	---	---
		5200	18.119	5190.9655	5209.0845	---	---
		5240	18.051	5230.9724	5249.0234	---	---
11AC40SISO	Ant1	5190	36.711	5171.6171	5208.3281	---	---
		5230	36.673	5211.6466	5248.3196	---	---
11AC80SISO	Ant1	5210	75.390	5172.5970	5247.9870	---	---



Test Graphs

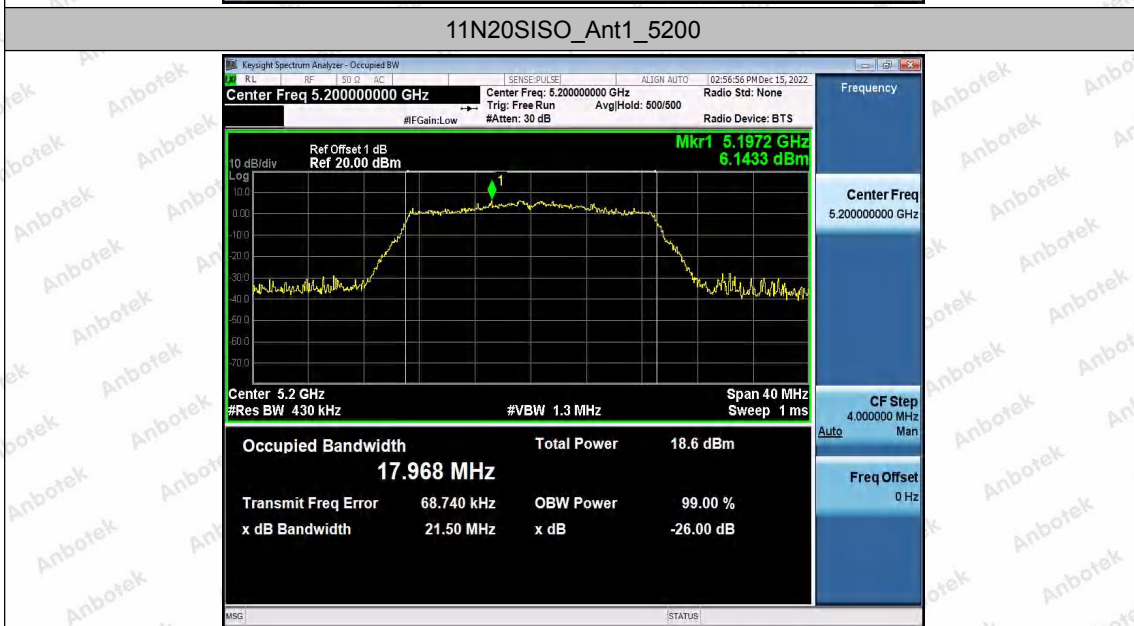
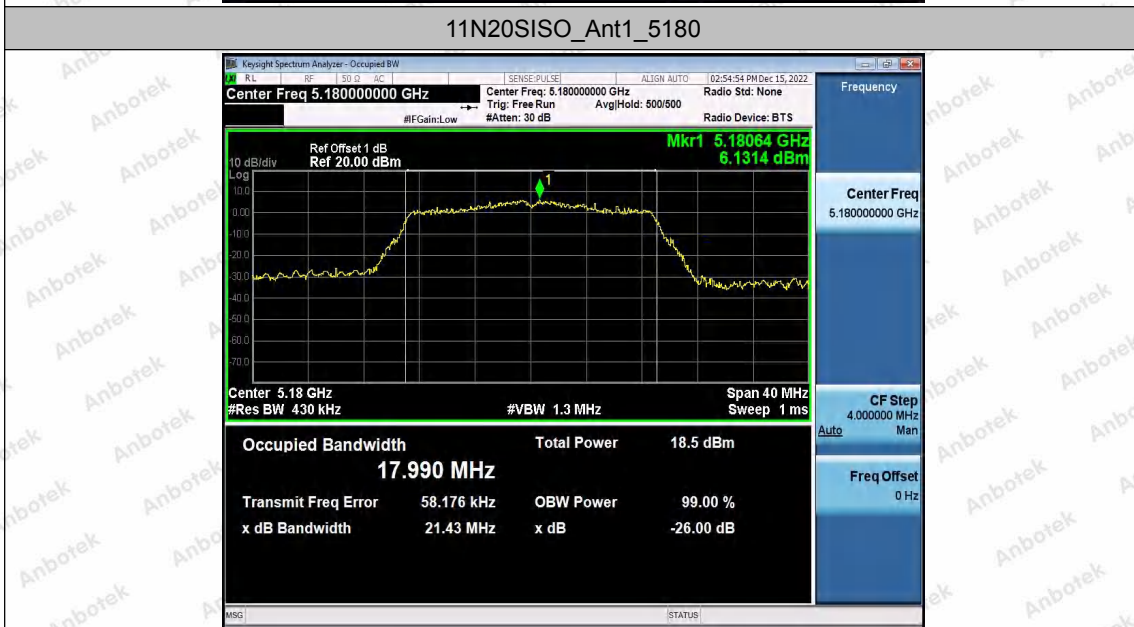


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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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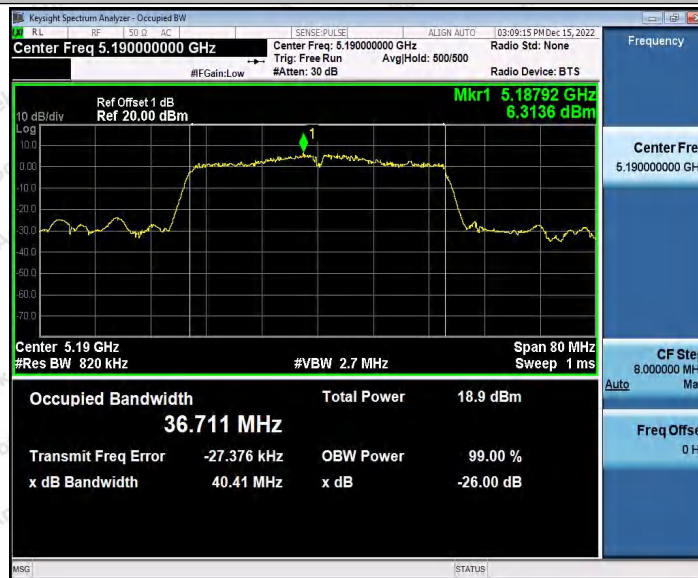
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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

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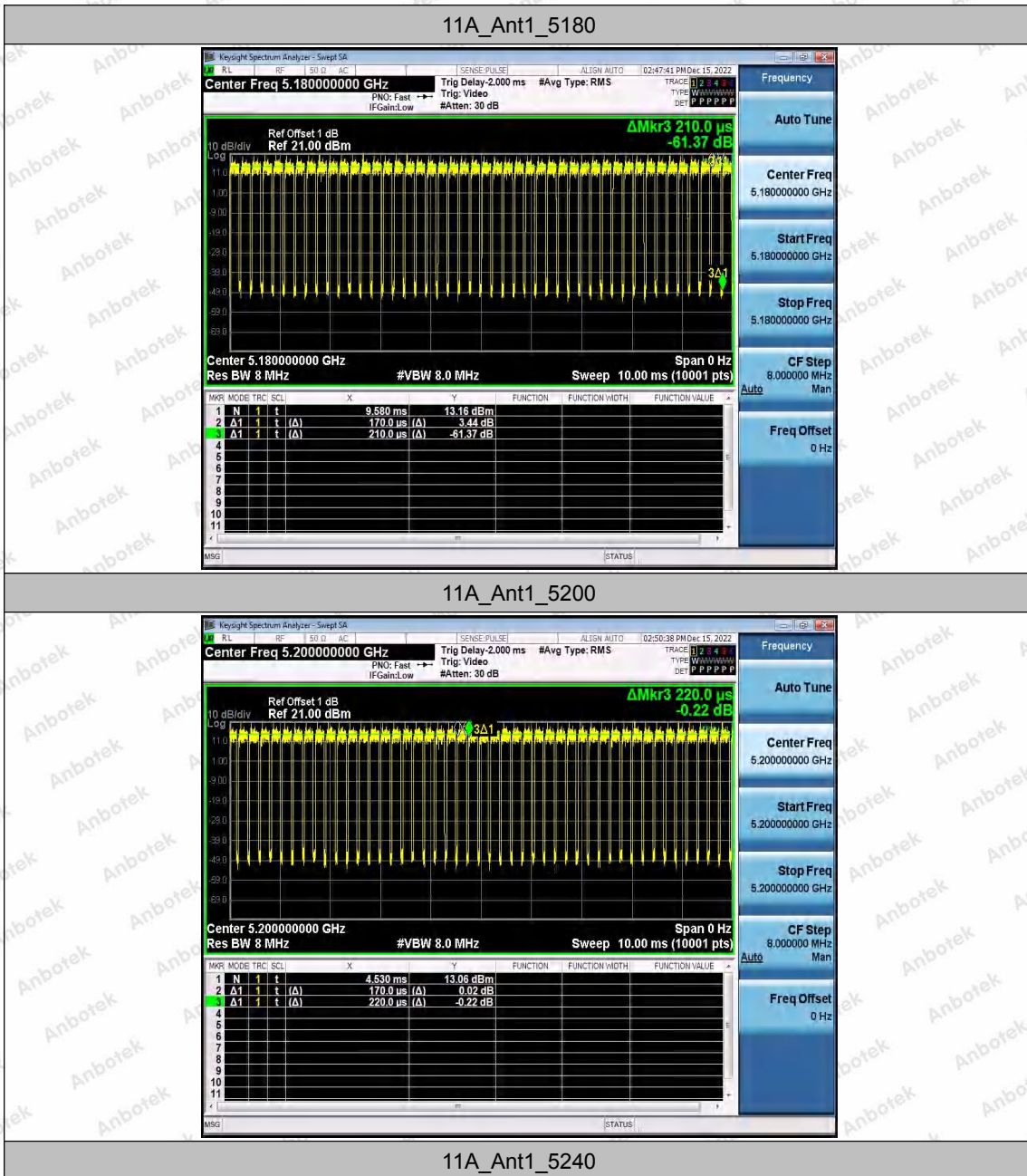
Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.17	0.21	80.95
		5200	0.17	0.22	77.27
		5240	0.17	0.21	80.95
11N20SISO	Ant1	5180	0.17	0.21	80.95
		5200	0.17	0.21	80.95
		5240	0.17	0.21	80.95
11N40SISO	Ant1	5190	0.10	0.14	71.43
		5230	0.10	0.14	71.43
11AC20SISO	Ant1	5180	0.17	0.21	80.95
		5200	0.17	0.21	80.95
		5240	0.16	0.21	76.19
11AC40SISO	Ant1	5190	0.09	0.13	69.23
		5230	0.09	0.14	64.29
11AC80SISO	Ant1	5210	0.07	0.11	63.64



Test Graphs

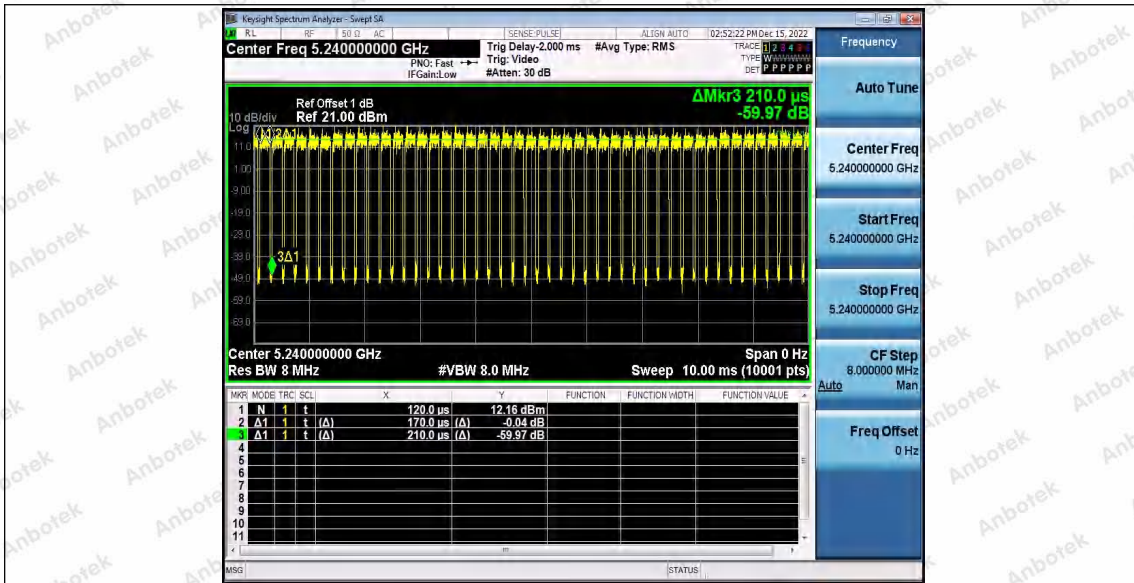


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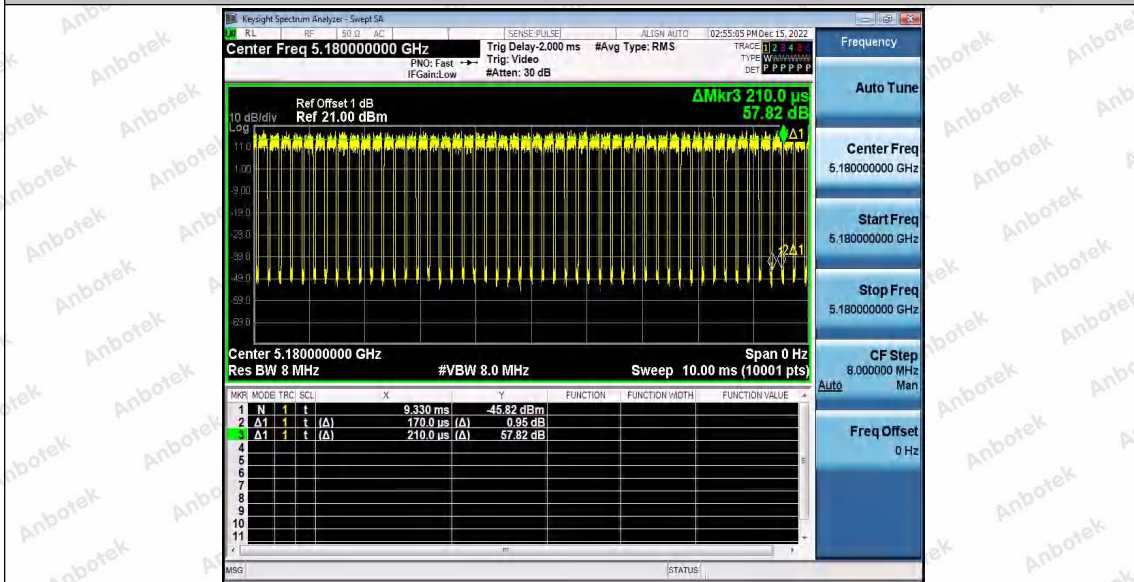
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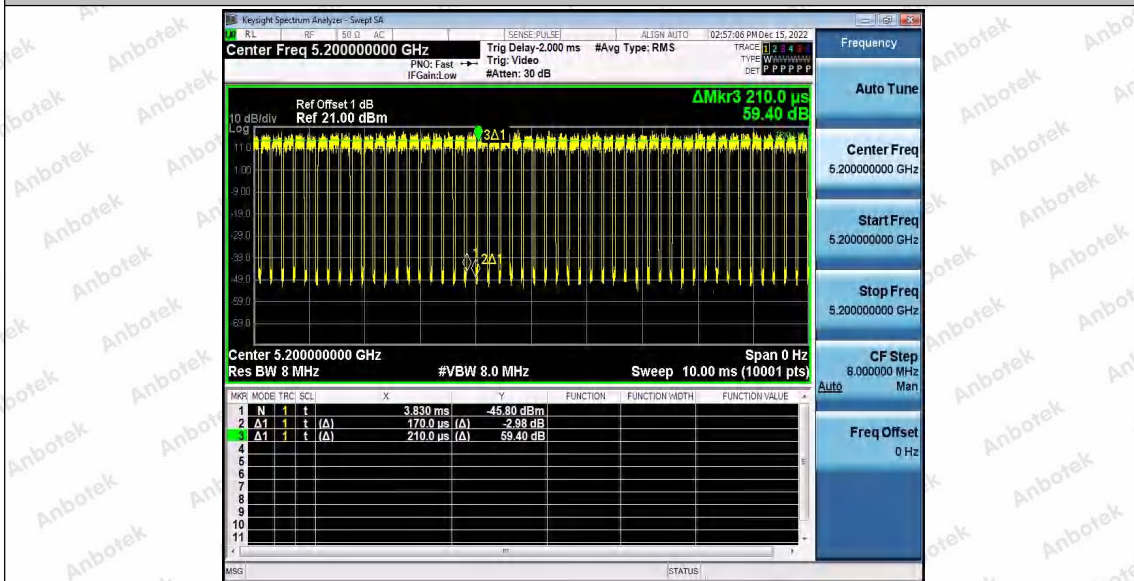




11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



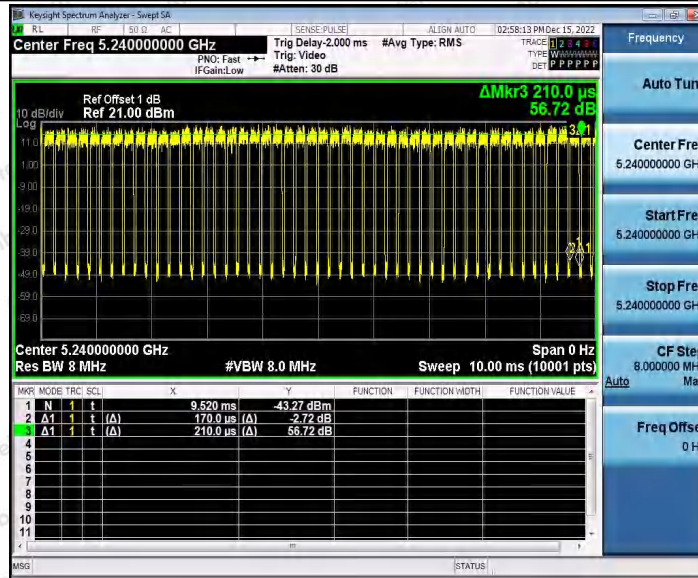
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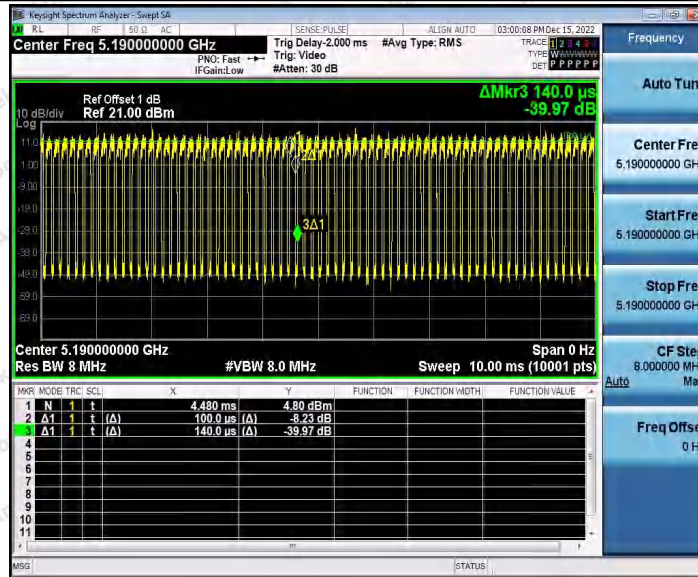
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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



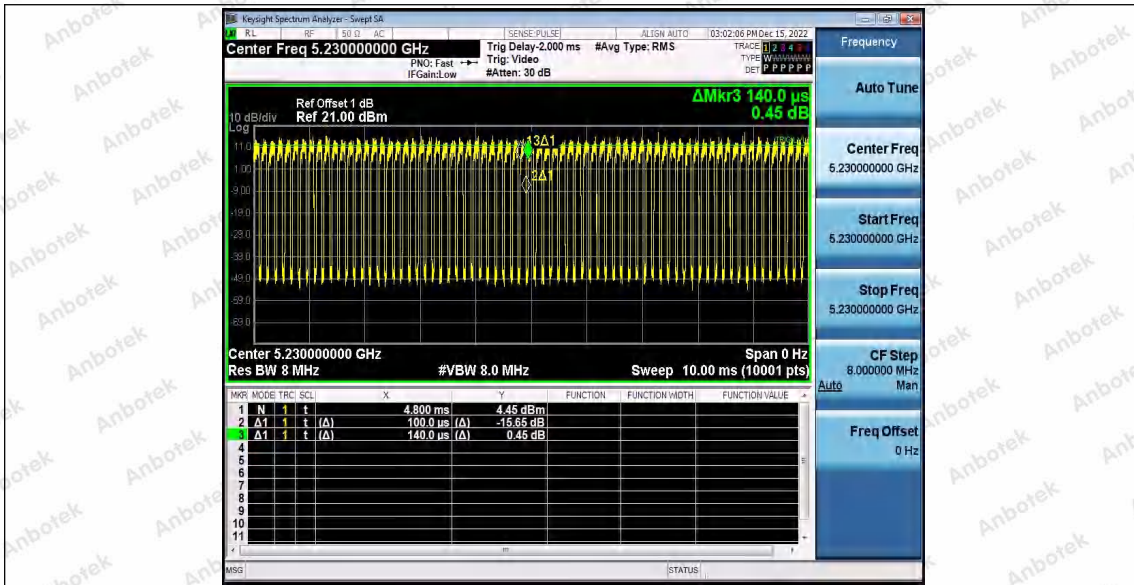
11N40SISO_Ant1_5230

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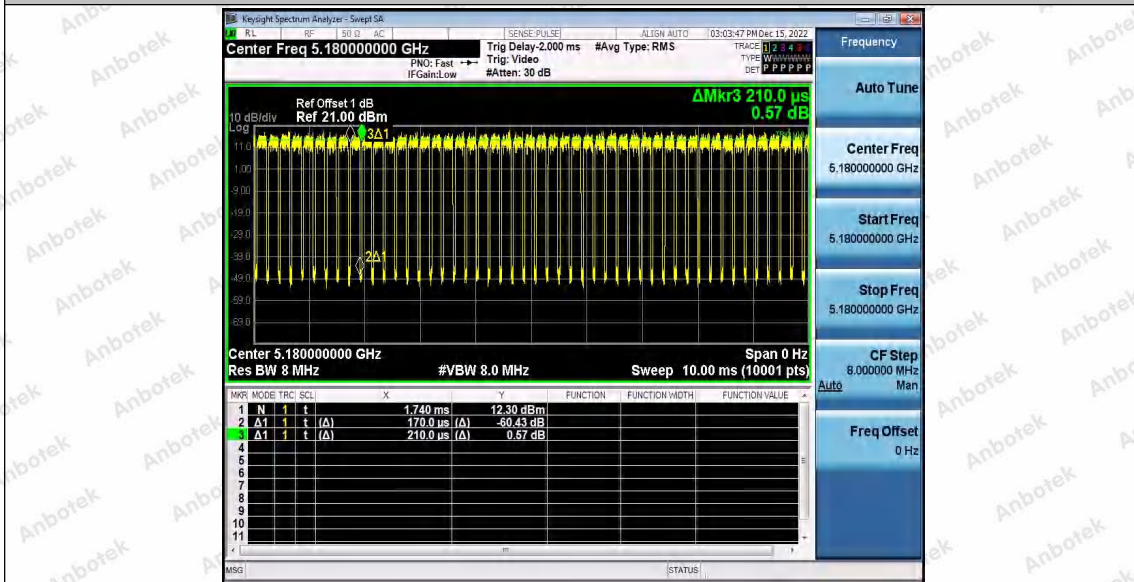
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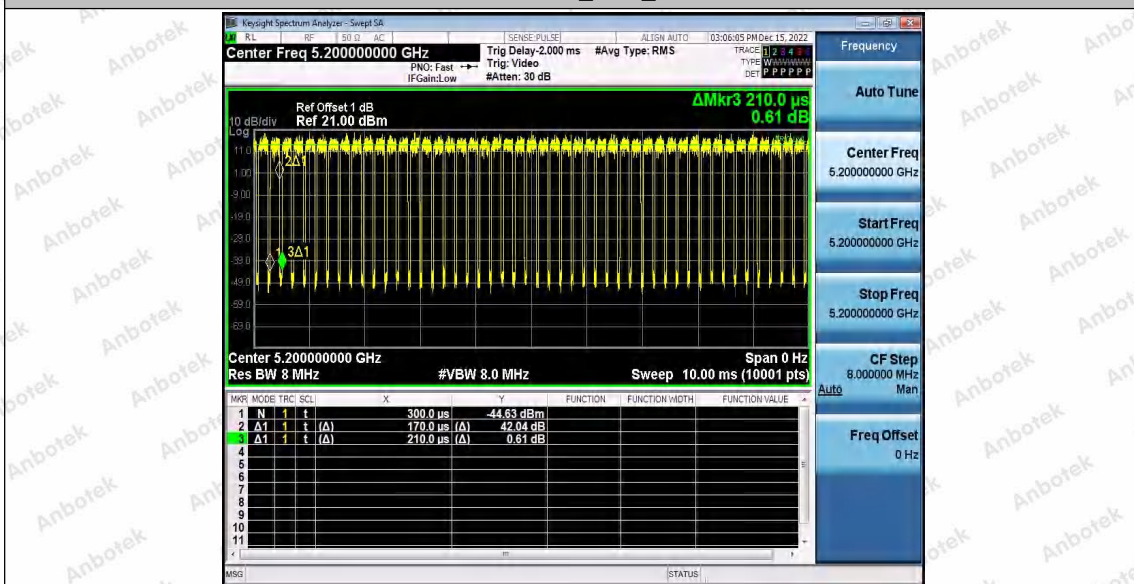




11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



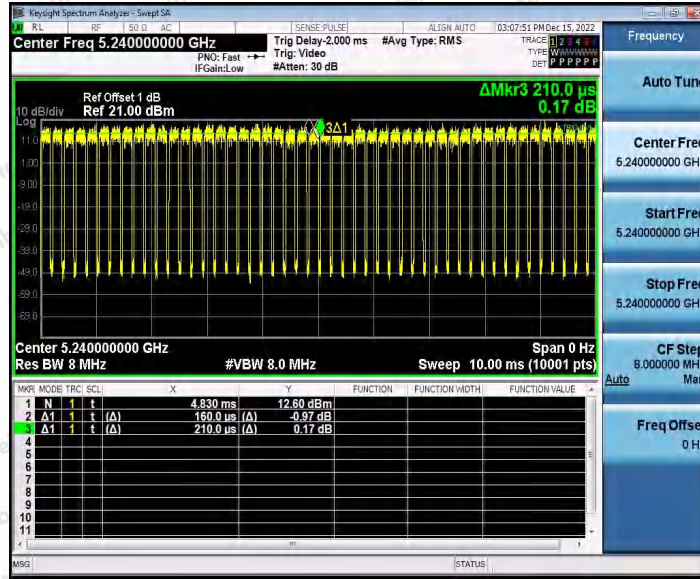
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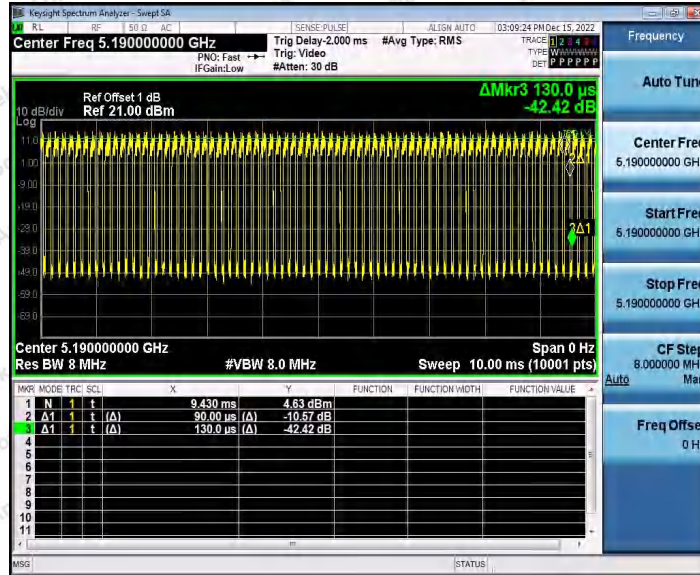
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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

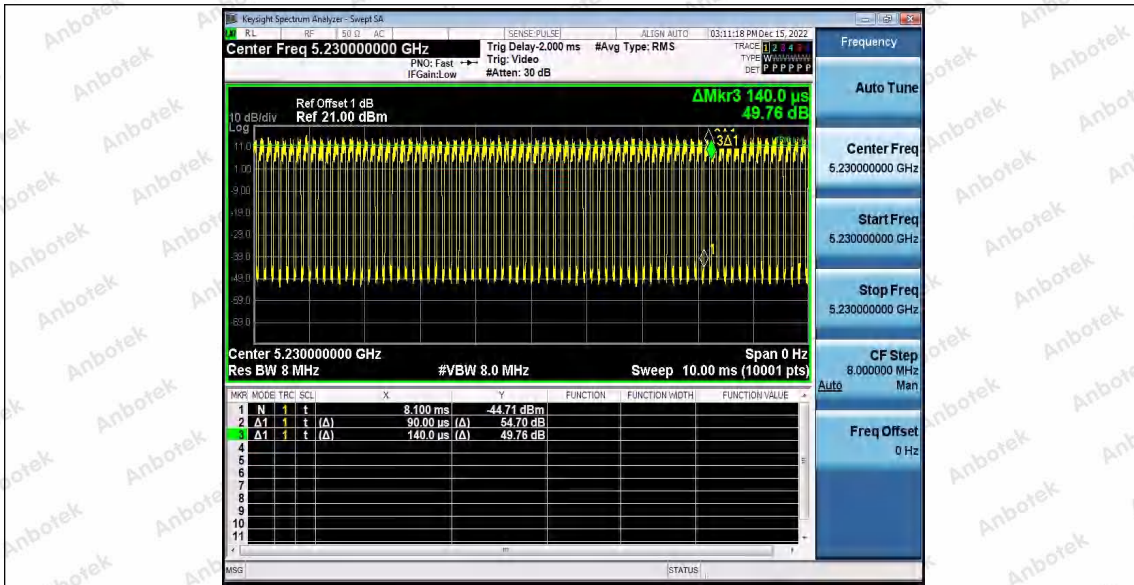
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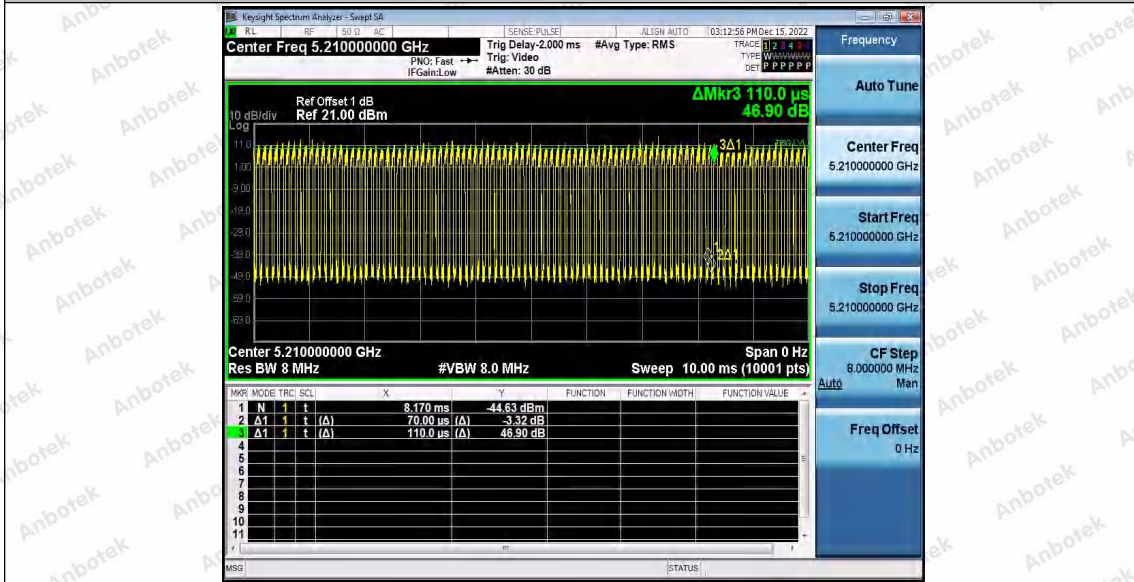


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11AC80SISO_Ant1_5210



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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]
11A	Ant1	5180	16.69	80.95	0.92	17.61	≤23.98
		5200	16.97	77.27	1.12	18.09	≤23.98
		5240	17.07	80.95	0.92	17.99	≤23.98
11N20 SISO	Ant1	5180	16.56	80.95	0.92	17.48	≤23.98
		5200	16.66	80.95	0.92	17.58	≤23.98
		5240	16.82	80.95	0.92	17.74	≤23.98
11N40 SISO	Ant1	5190	16.28	71.43	1.46	17.74	≤23.98
		5230	16.24	71.43	1.46	17.70	≤23.98
11AC2 0SISO	Ant1	5180	16.47	80.95	0.92	17.39	≤23.98
		5200	16.72	80.95	0.92	17.64	≤23.98
		5240	16.75	76.19	1.18	17.93	≤23.98
11AC4 0SISO	Ant1	5190	16.30	69.23	1.60	17.90	≤23.98
		5230	16.22	64.29	1.92	18.14	≤23.98
11AC8 0SISO	Ant1	5210	16.10	63.64	1.96	18.06	≤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	2.25	≤11.00	PASS
		5200	3	≤11.00	PASS
		5240	2.69	≤11.00	PASS
11N20SISO	Ant1	5180	1.79	≤11.00	PASS
		5200	1.76	≤11.00	PASS
		5240	2.06	≤11.00	PASS
11N40SISO	Ant1	5190	-1.58	≤11.00	PASS
		5230	-1.39	≤11.00	PASS
11AC20SISO	Ant1	5180	1.77	≤11.00	PASS
		5200	1.62	≤11.00	PASS
		5240	2.42	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.52	≤11.00	PASS
		5230	-1.24	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.42	≤11.00	PASS

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



Test Graphs B1



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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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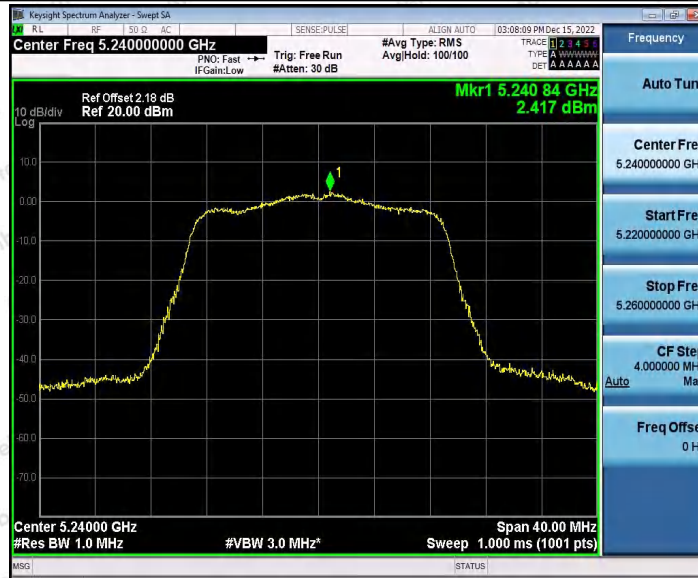
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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

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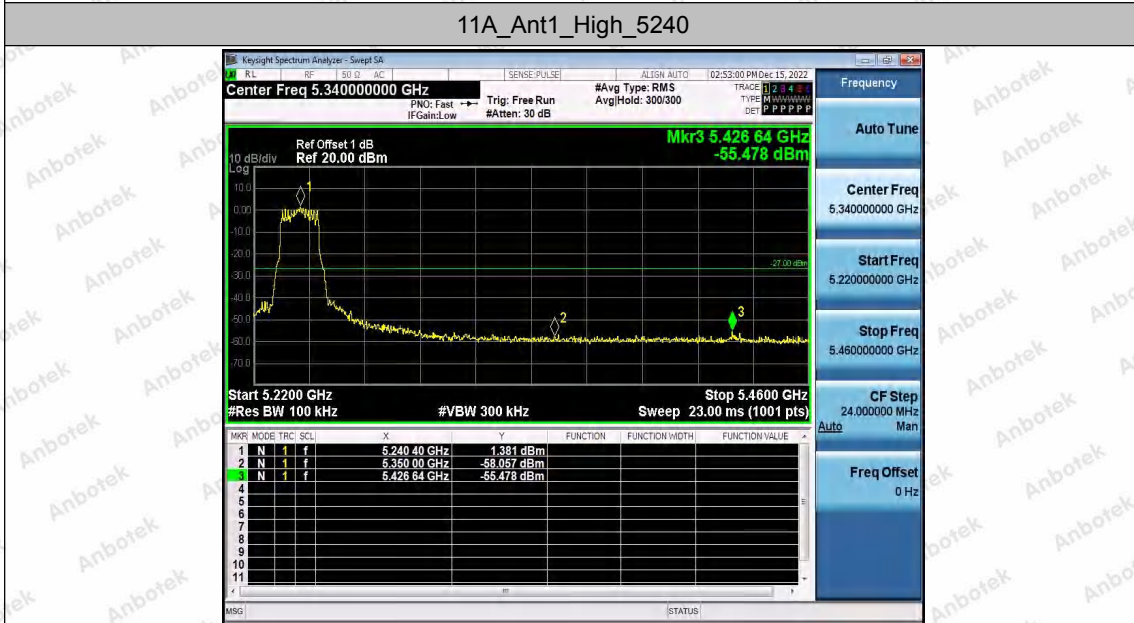
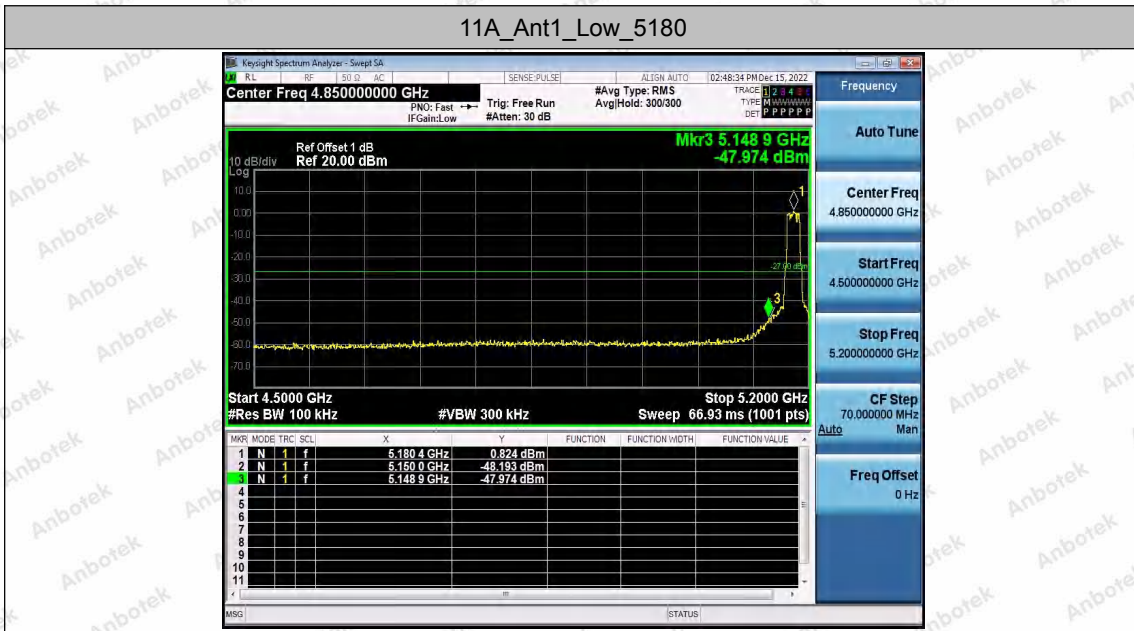
Appendix E: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-47.97	≤-27	PASS
		High	5240	-55.48	≤-27	PASS
11N20SISO	Ant1	Low	5180	-43.89	≤-27	PASS
		High	5240	-56.14	≤-27	PASS
11N40SISO	Ant1	Low	5190	-42.02	≤-27	PASS
		High	5230	-56.26	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-42.53	≤-27	PASS
		High	5240	-56.94	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-42.32	≤-27	PASS
		High	5230	-56.32	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-40.81	≤-27	PASS
		High	5210	-53.51	≤-27	PASS



Test Graphs B1



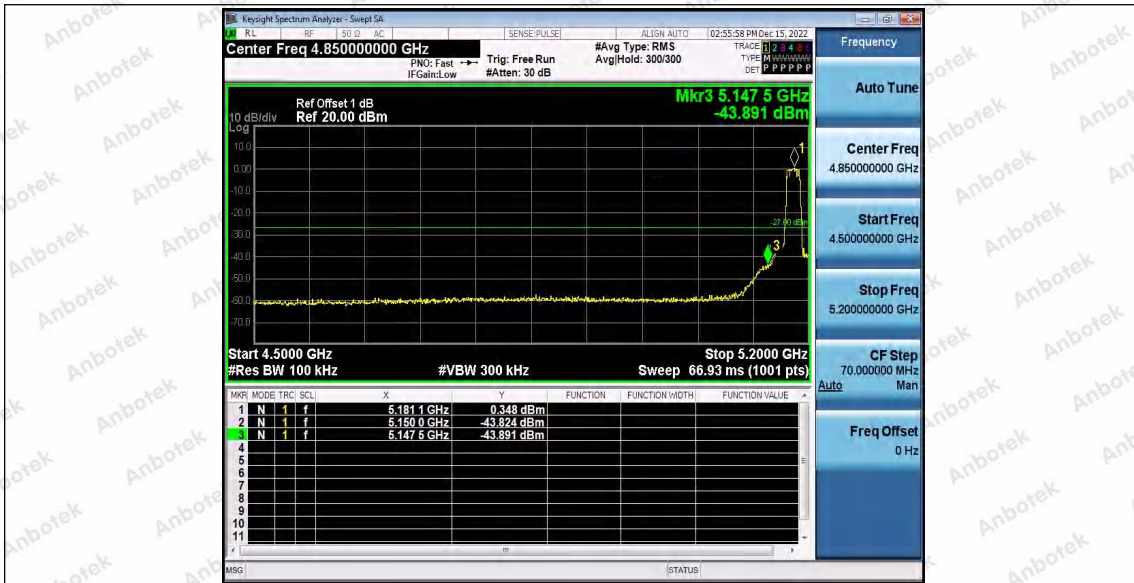
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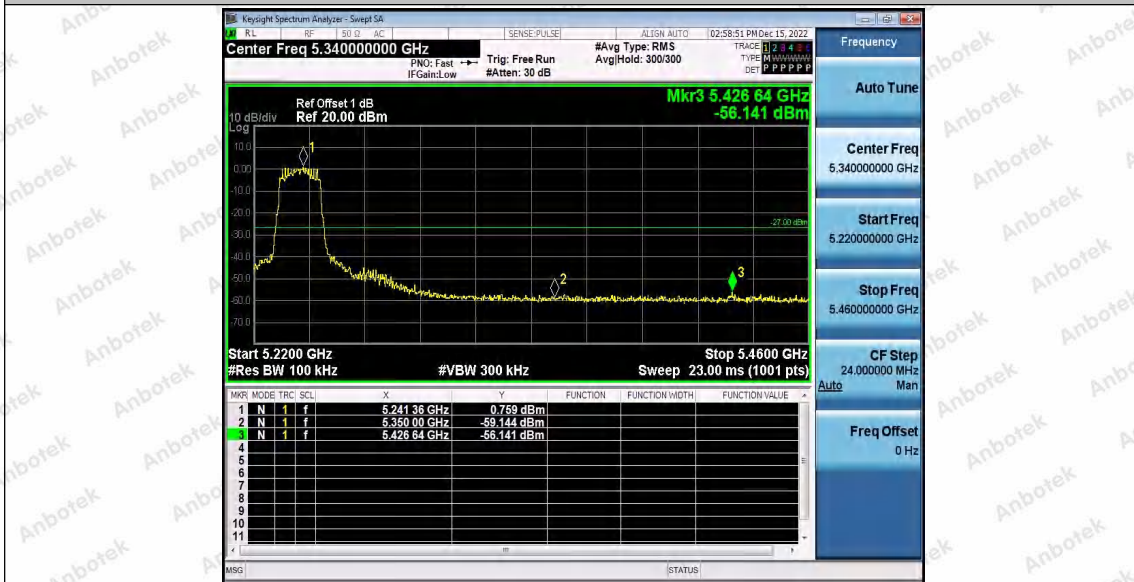
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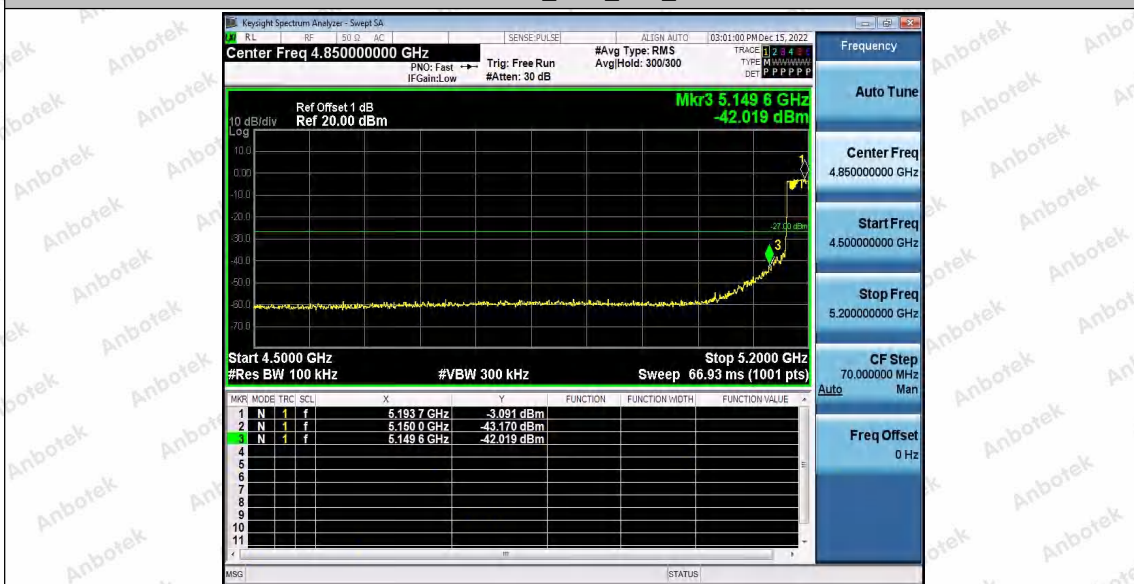




11N20SISO_Ant1_High_5240



11N40SISO_Ant1_Low_5190



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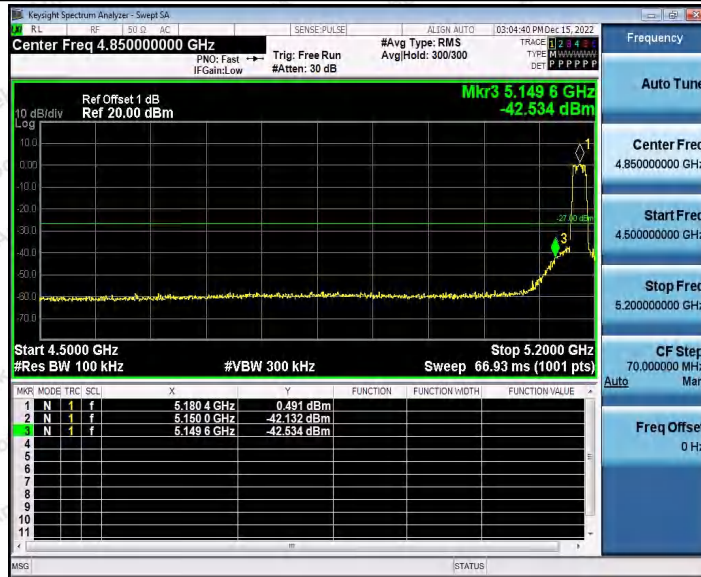
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11N40SISO_Ant1_High_5230



11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240

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11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



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11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



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