

Appendix Test Data

Report No.:	18220WC30094202	Test Sample No.:	1-2-2
Start Test Date:	2023.05.18	Finish Test Date:	2023.05.24
Test Engineer:	Rock Luo	Auditor:	Edward Pan
Temperature:	23.4℃	Relative Humidity:	51%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.600	2407.960	2416.560	≥0.5	PASS
		2437	8.480	2432.480	2440.960	≥0.5	PASS
		2462	8.600	2457.960	2466.560	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	≥0.5	PASS
		2437	17.560	2428.240	2445.800	≥0.5	PASS
		2462	17.560	2453.240	2470.800	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437



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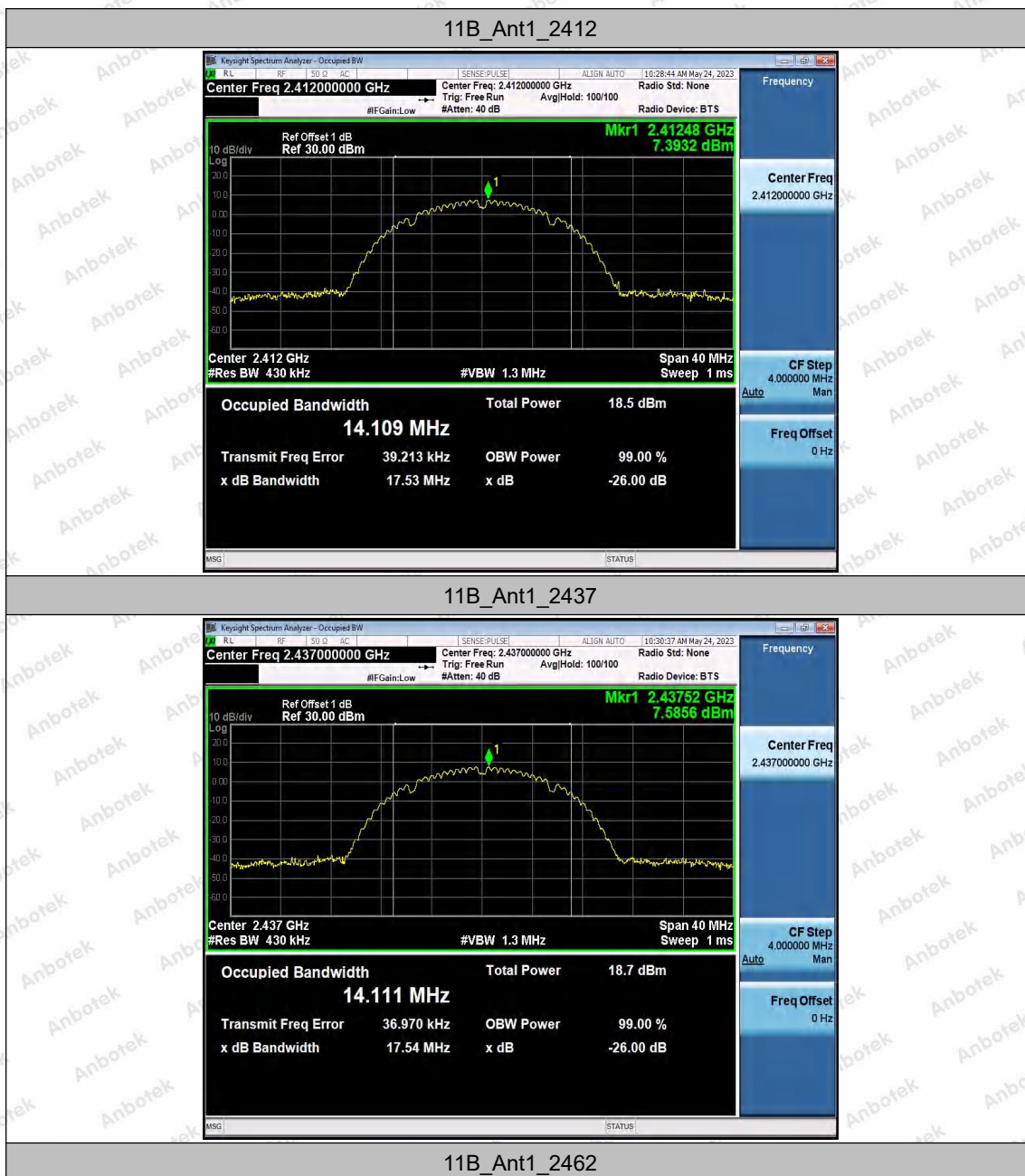
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.109	2404.9847	2419.0937	---	---
		2437	14.111	2429.9815	2444.0925	---	---
		2462	14.108	2454.9814	2469.0894	---	---
11G	Ant1	2412	17.132	2403.4760	2420.6080	---	---
		2437	17.211	2428.4252	2445.6362	---	---
		2462	17.219	2453.4041	2470.6231	---	---
11N20SISO	Ant1	2412	18.216	2402.9225	2421.1385	---	---
		2437	18.234	2427.9653	2446.1993	---	---
		2462	18.183	2452.9123	2471.0953	---	---



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

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11N20SISO_Ant1_2462



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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	18.60	≤30.00
		2437	18.78	≤30.00
		2462	18.95	≤30.00
11G	Ant1	2412	17.96	≤30.00
		2437	18.25	≤30.00
		2462	18.55	≤30.00
11N20SISO	Ant1	2412	17.84	≤30.00
		2437	18.33	≤30.00
		2462	18.55	≤30.00



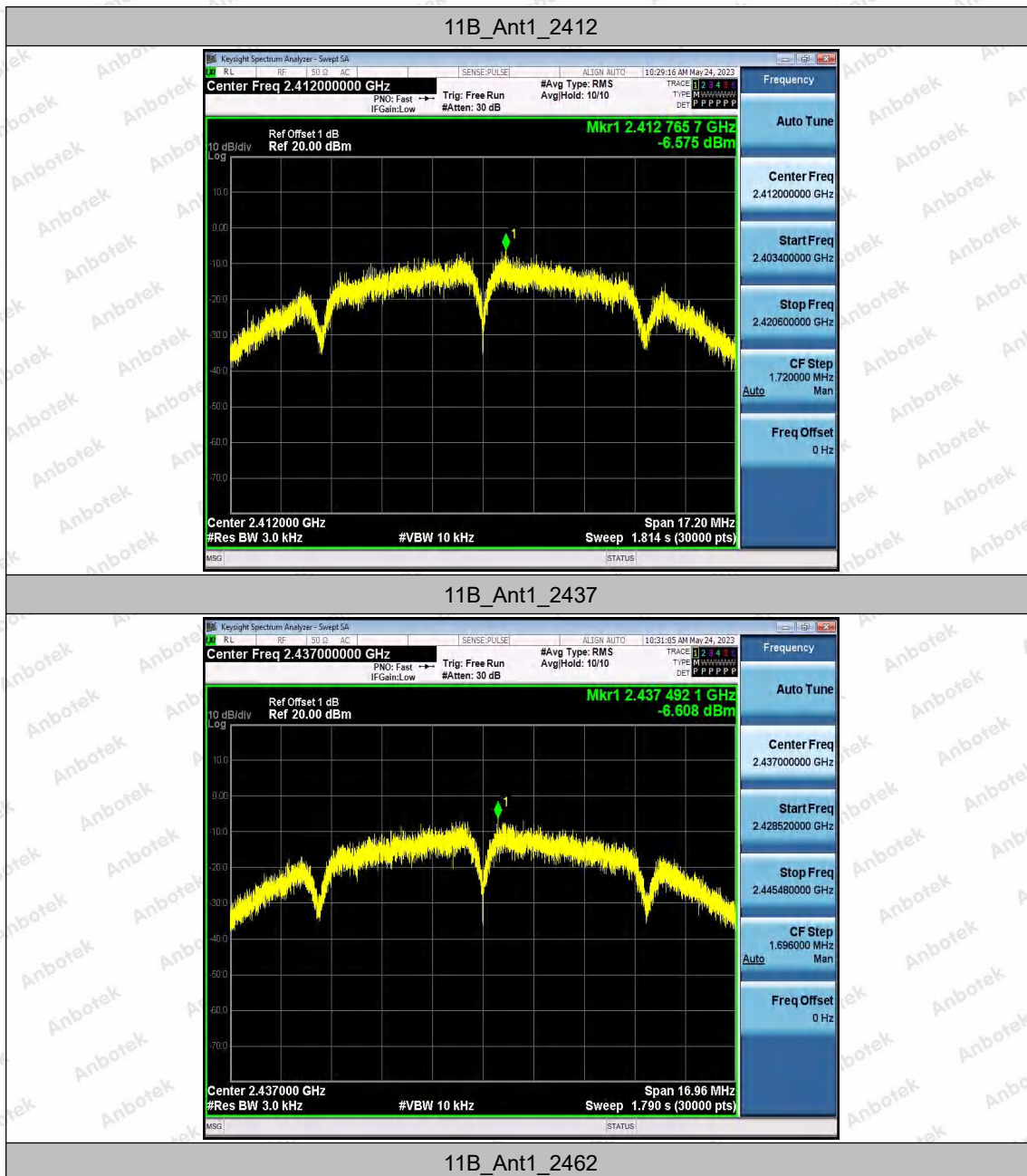
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.58	≤8.00	PASS
		2437	-6.61	≤8.00	PASS
		2462	-6.13	≤8.00	PASS
11G	Ant1	2412	-14.74	≤8.00	PASS
		2437	-13.93	≤8.00	PASS
		2462	-13.78	≤8.00	PASS
11N20SISO	Ant1	2412	-14.61	≤8.00	PASS
		2437	-14.33	≤8.00	PASS
		2462	-14.51	≤8.00	PASS



Test Graphs



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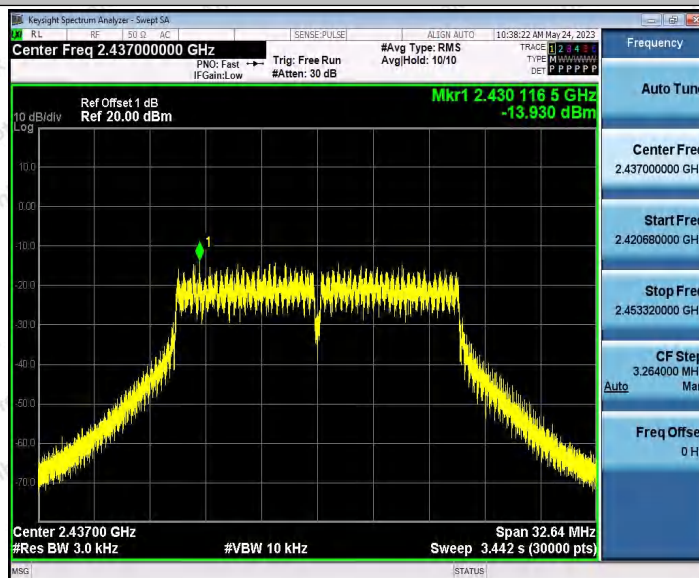




11G_Ant1_2412



11G_Ant1_2437



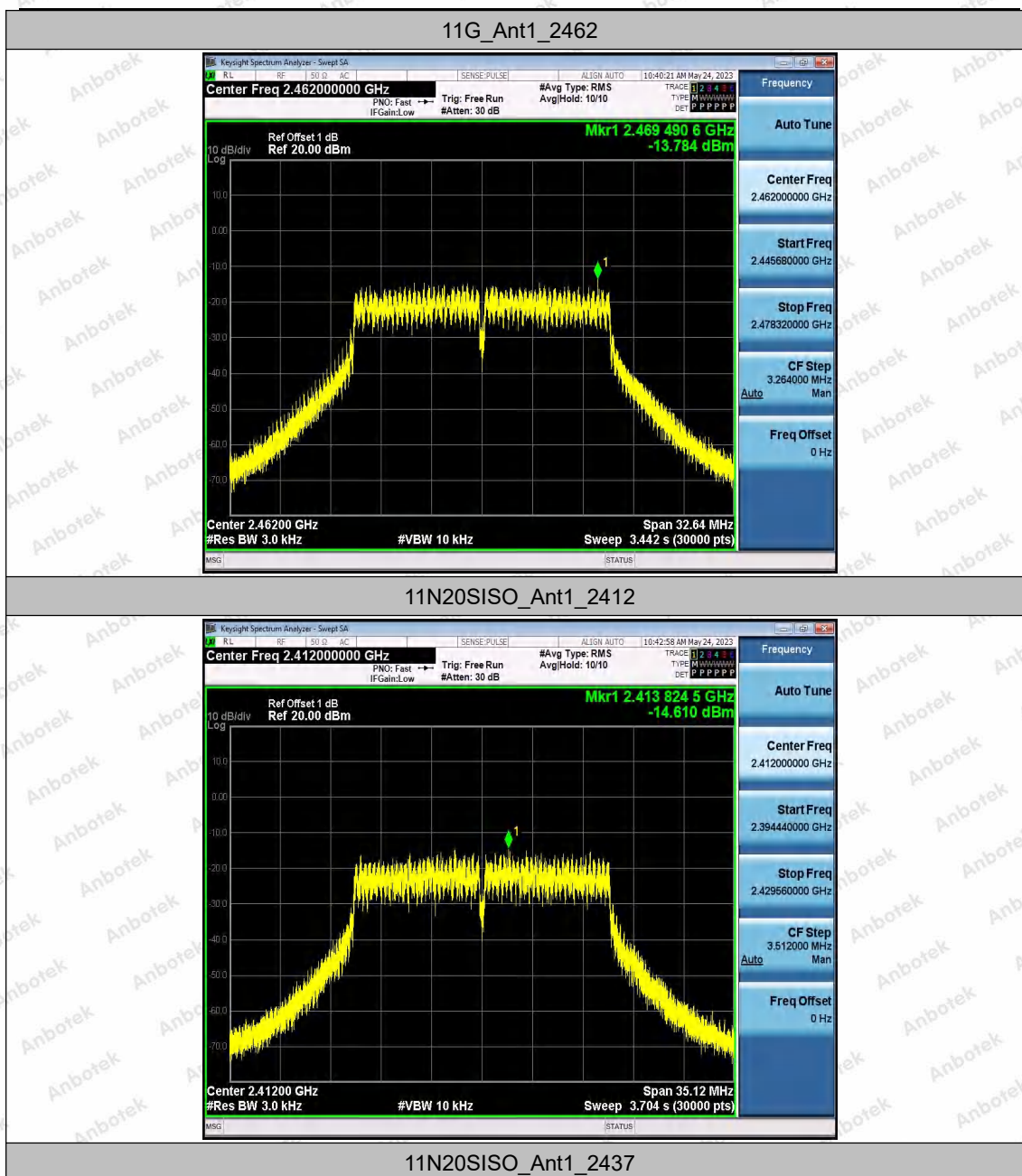
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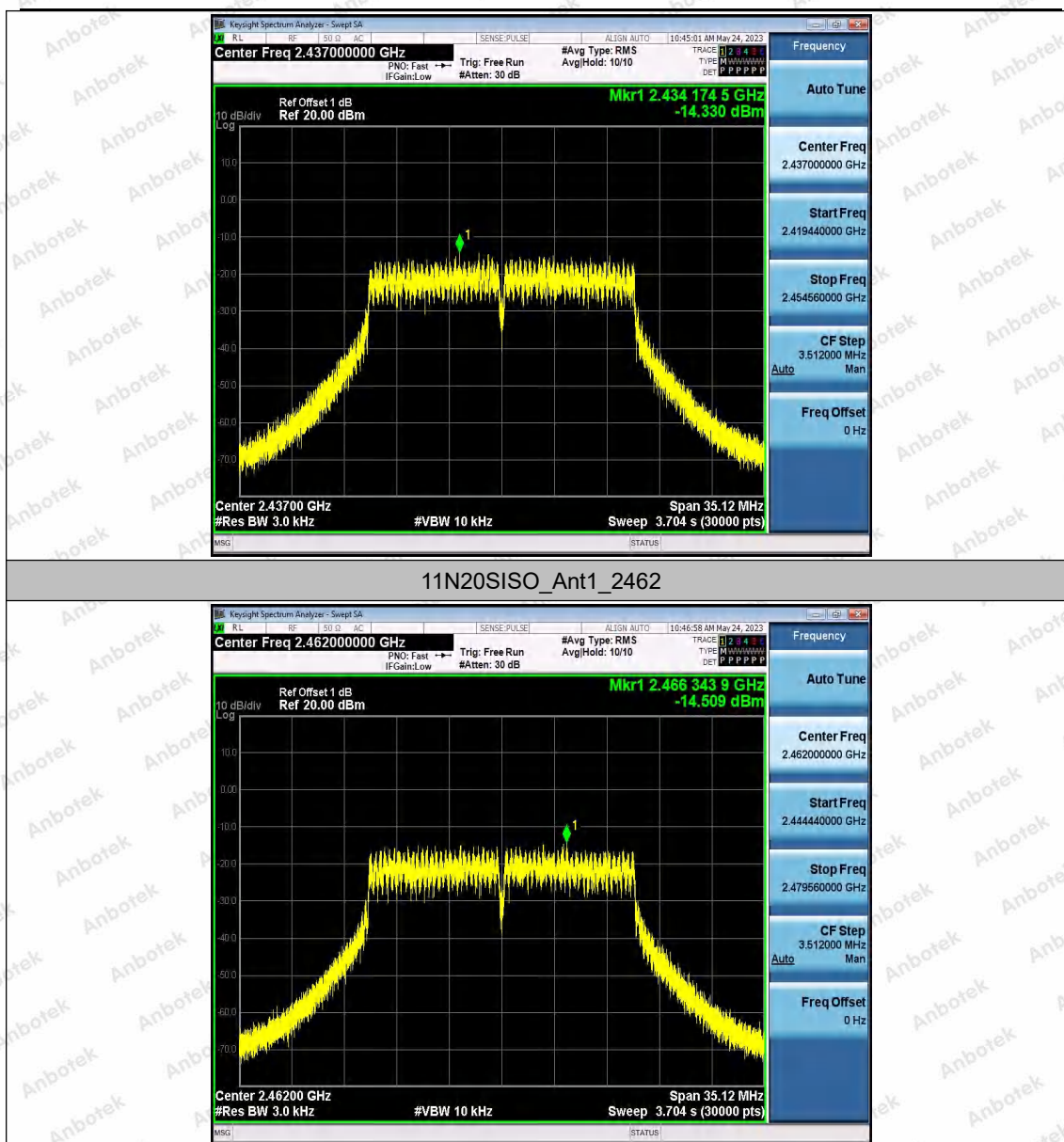
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Appendix E: Band edge measurements

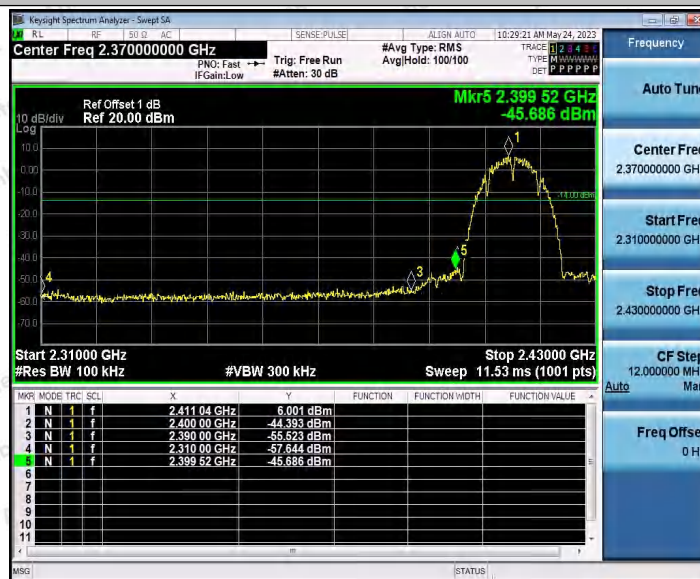
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.00	-45.69	≤-14	PASS
		High	2462	7.26	-52.01	≤-12.74	PASS
11G	Ant1	Low	2412	-1.24	-34.91	≤-21.24	PASS
		High	2462	-0.49	-52.15	≤-20.49	PASS
11N20SISO	Ant1	Low	2412	-1.00	-35.12	≤-21	PASS
		High	2462	-0.01	-52.12	≤-20.01	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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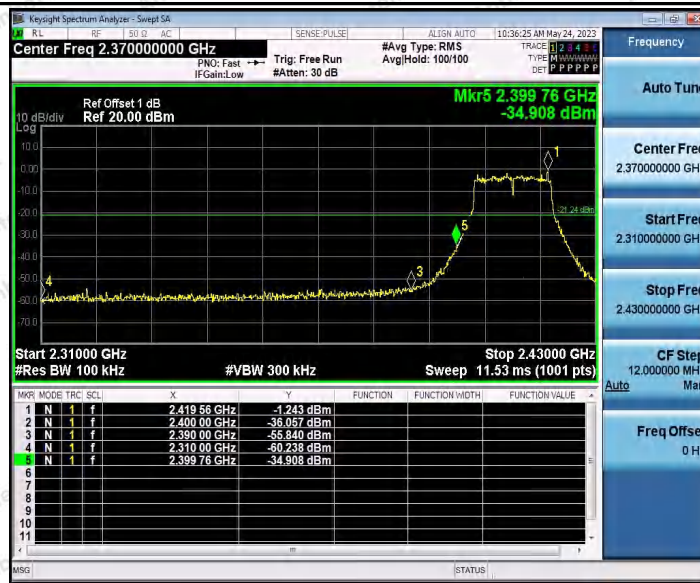


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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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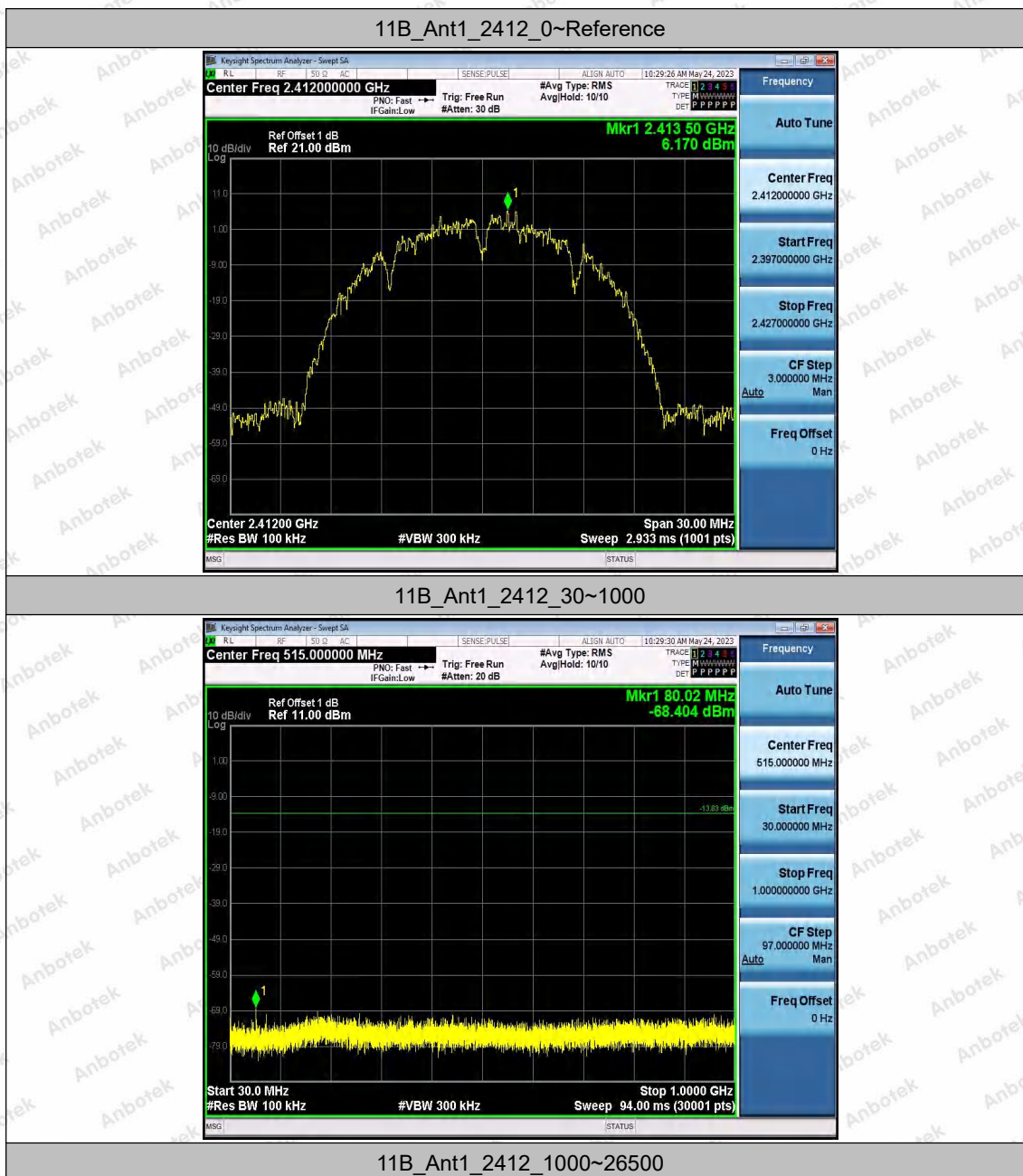
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.17	6.17	---	PASS
			30~1000	6.17	-68.4	≤-13.83	PASS
			1000~26500	6.17	-51.72	≤-13.83	PASS
		2437	Reference	5.74	5.74	---	PASS
			30~1000	5.74	-67.96	≤-14.26	PASS
			1000~26500	5.74	-53.79	≤-14.26	PASS
		2462	Reference	6.54	6.54	---	PASS
			30~1000	6.54	-68.95	≤-13.46	PASS
			1000~26500	6.54	-53.98	≤-13.46	PASS
11G	Ant1	2412	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-64.21	≤-23.4	PASS
			1000~26500	-3.40	-54.29	≤-23.4	PASS
		2437	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-66.14	≤-23.82	PASS
			1000~26500	-3.82	-53.09	≤-23.82	PASS
		2462	Reference	0.21	0.21	---	PASS
			30~1000	0.21	-66.85	≤-19.79	PASS
			1000~26500	0.21	-53.77	≤-19.79	PASS
11N20SISO	Ant1	2412	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-65.99	≤-20.83	PASS
			1000~26500	-0.83	-53.28	≤-20.83	PASS
		2437	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-65.51	≤-22.46	PASS
			1000~26500	-2.46	-53.23	≤-22.46	PASS
		2462	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-66.2	≤-20.15	PASS
			1000~26500	-0.15	-53.76	≤-20.15	PASS



Test Graphs



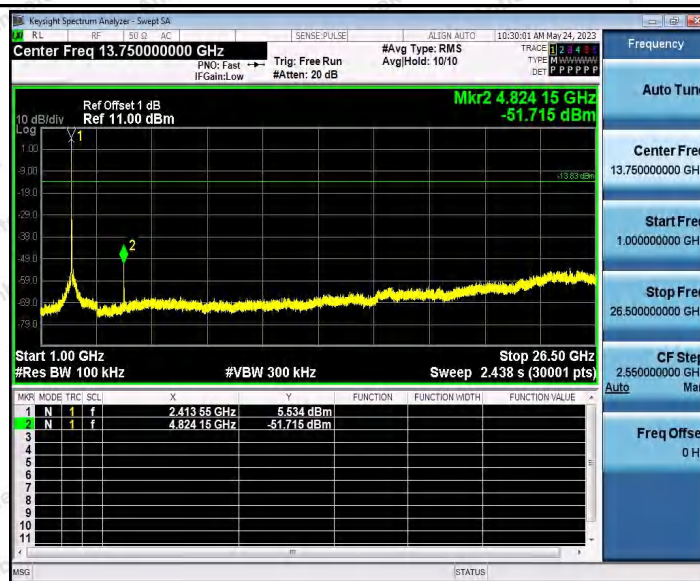
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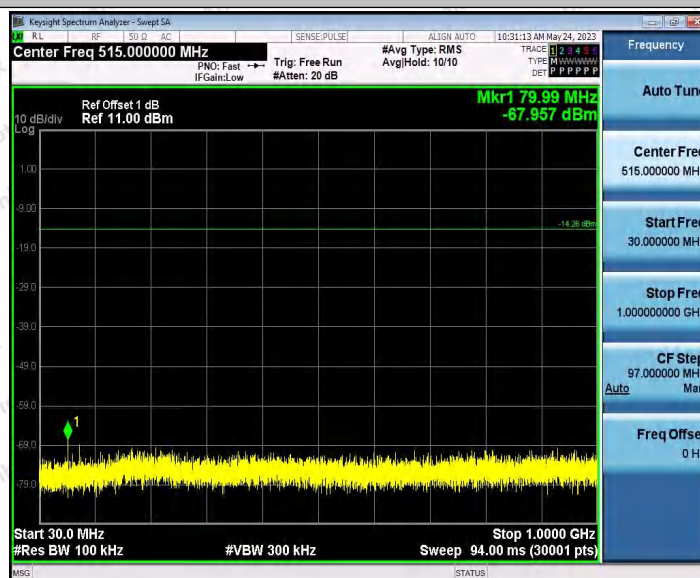




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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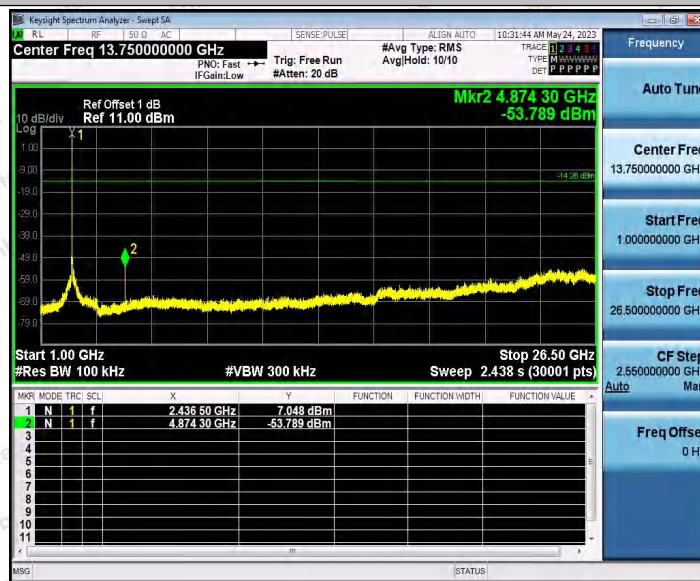
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

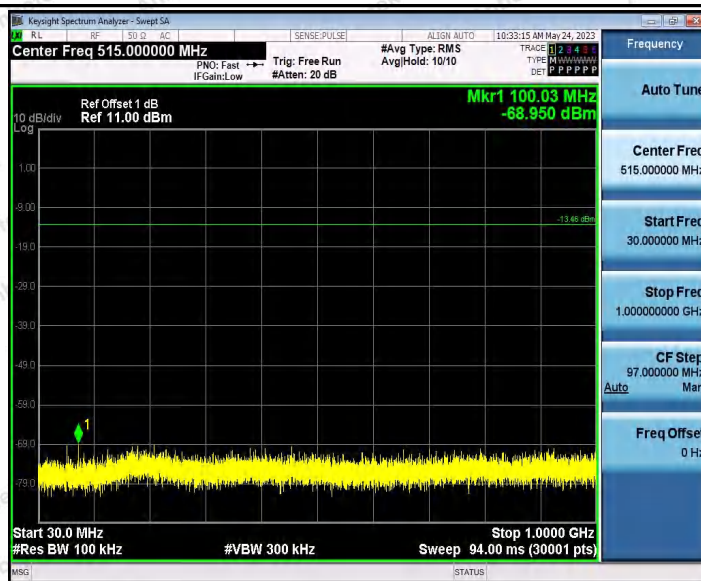
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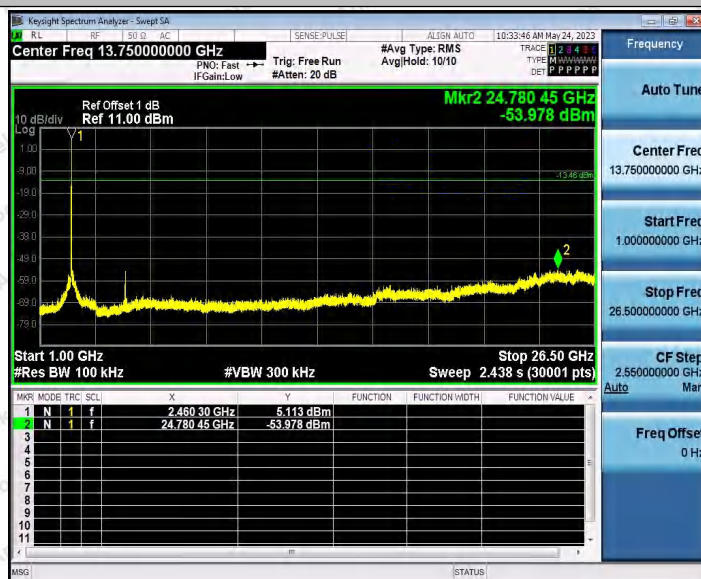


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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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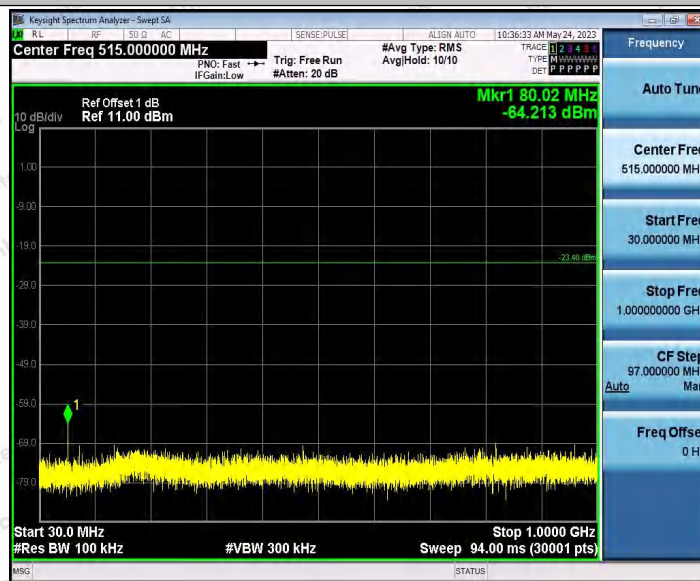
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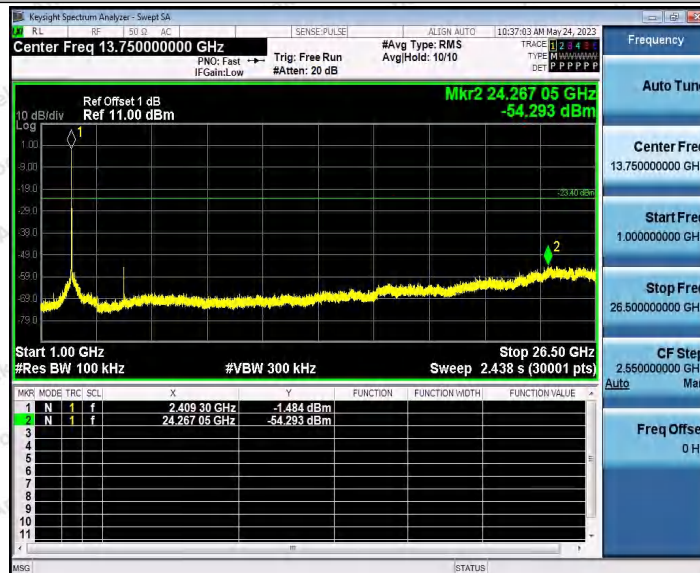
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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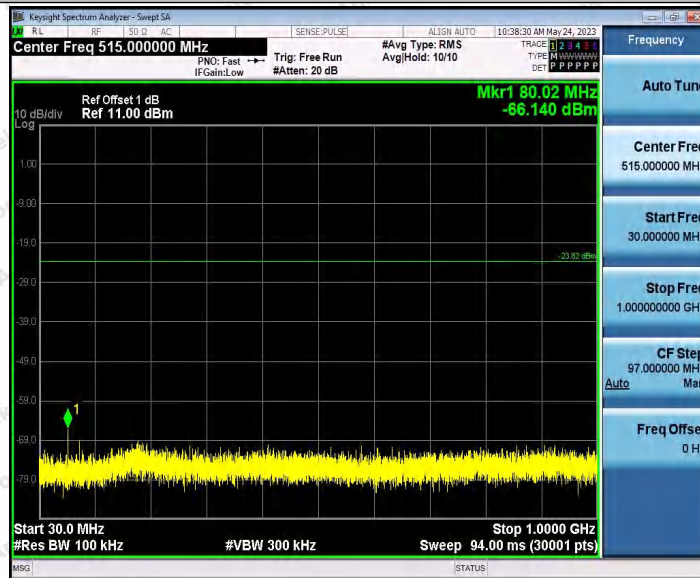


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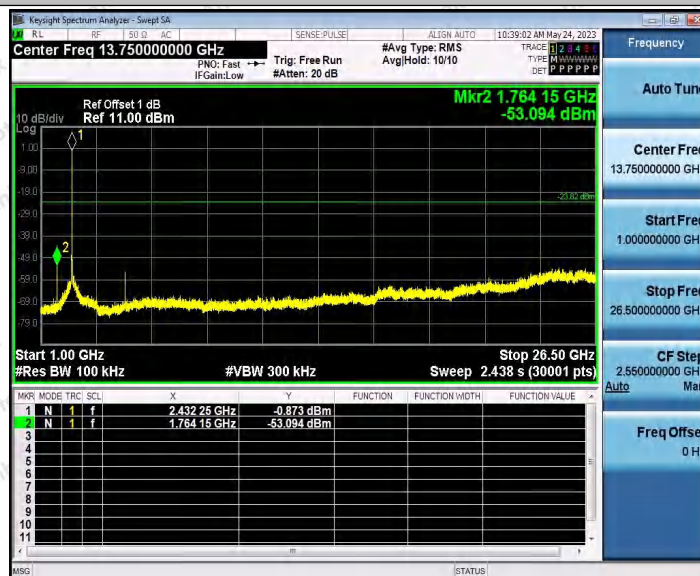




11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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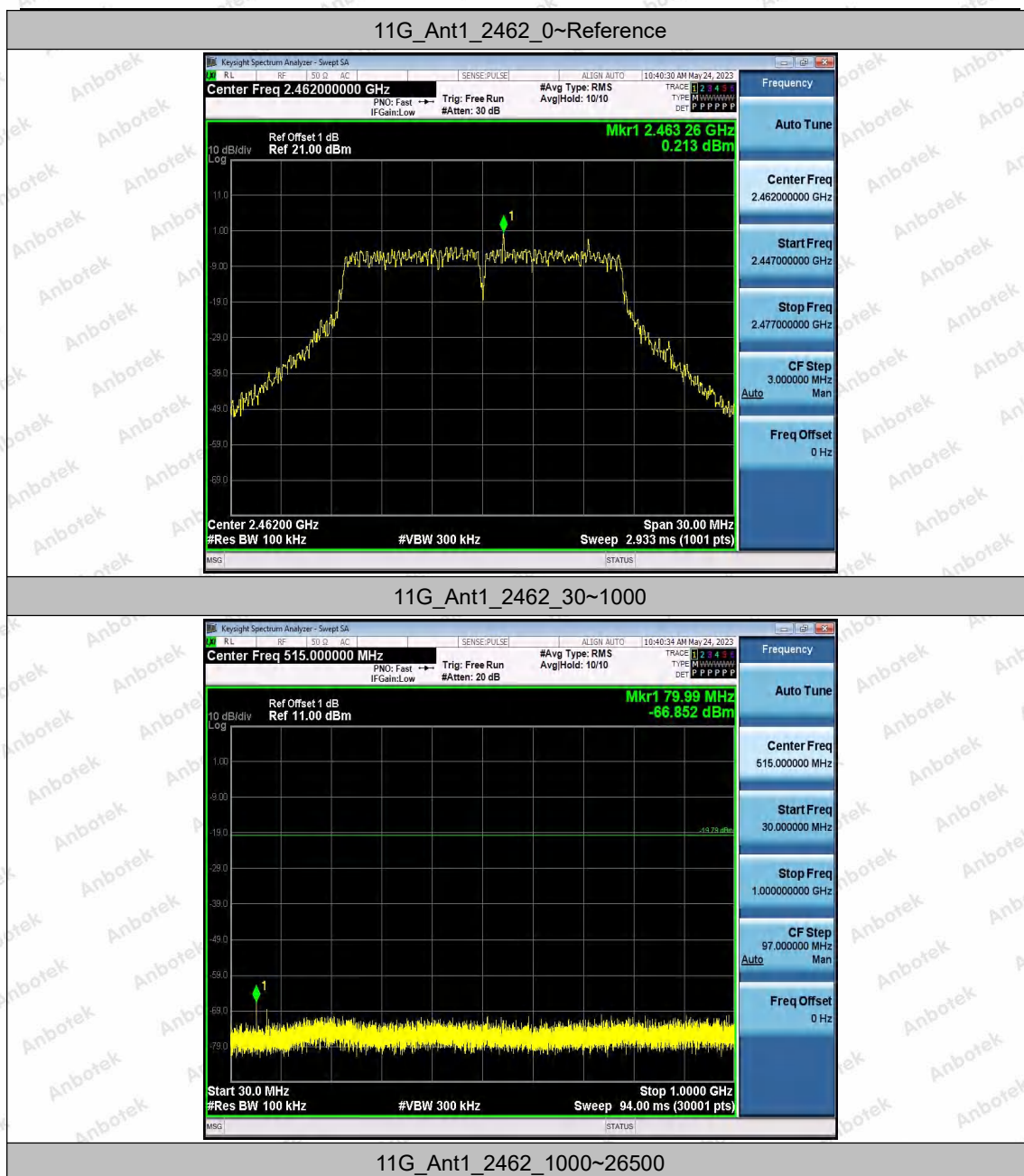


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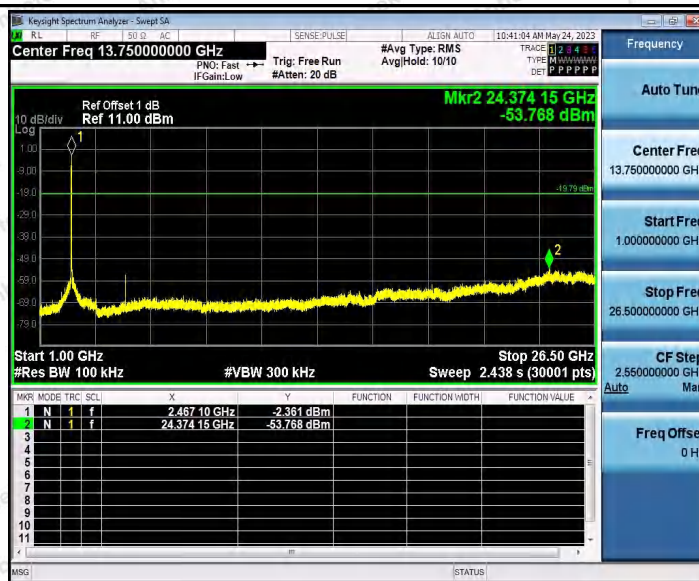
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11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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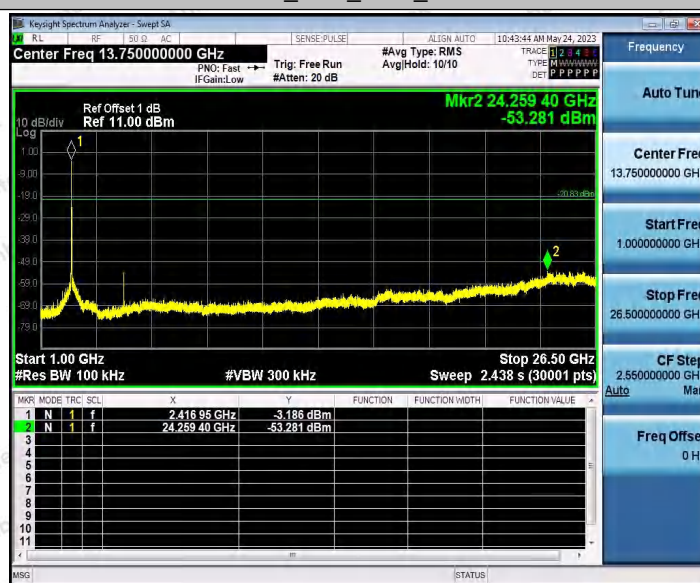
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

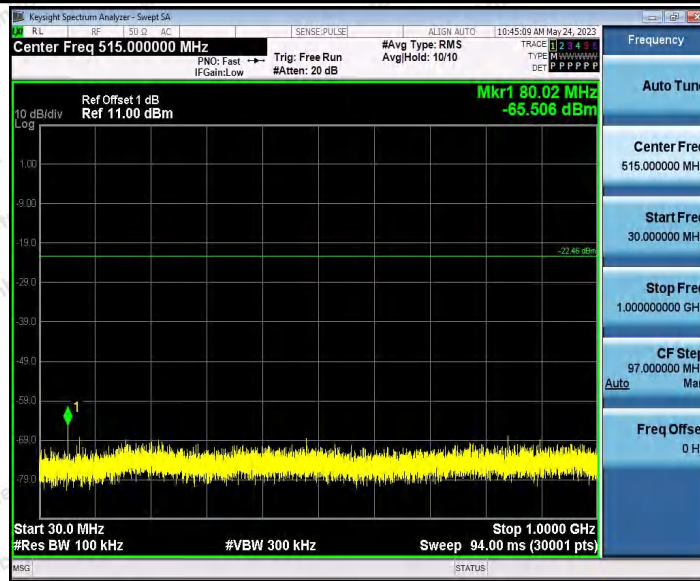
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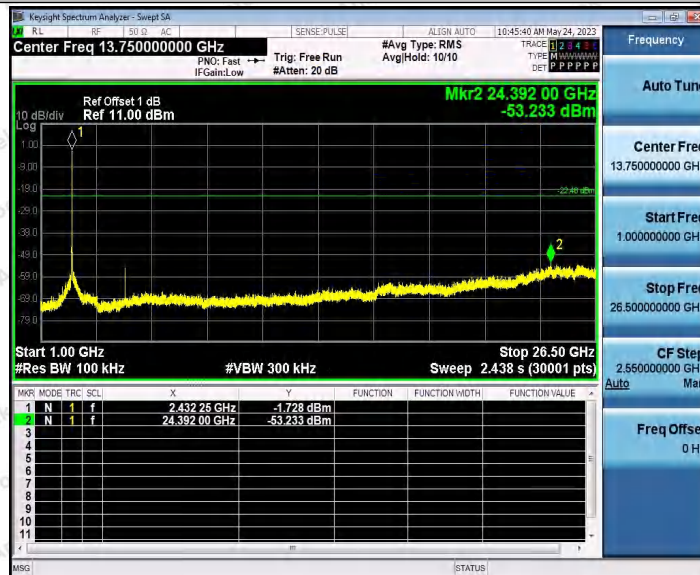


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



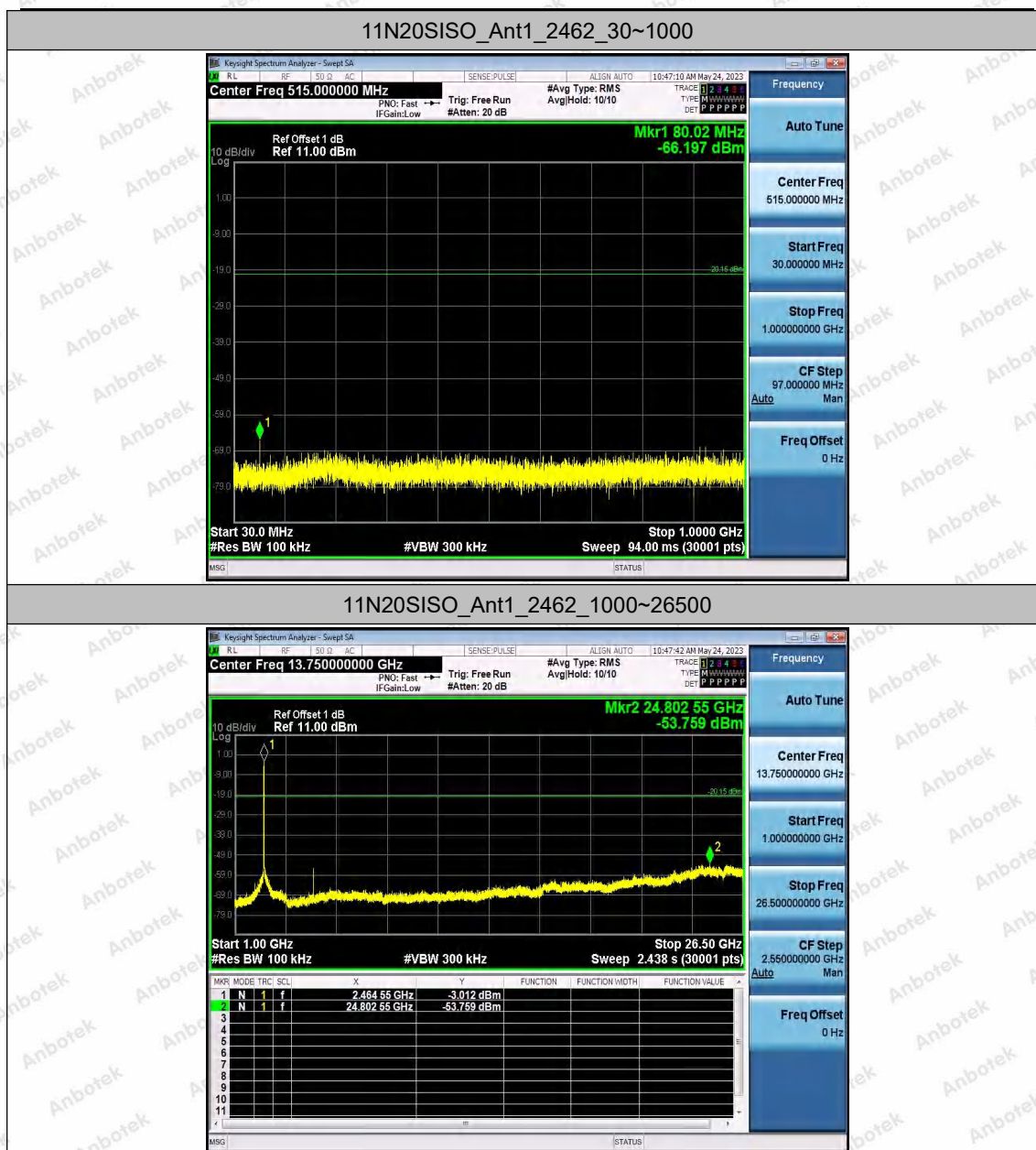
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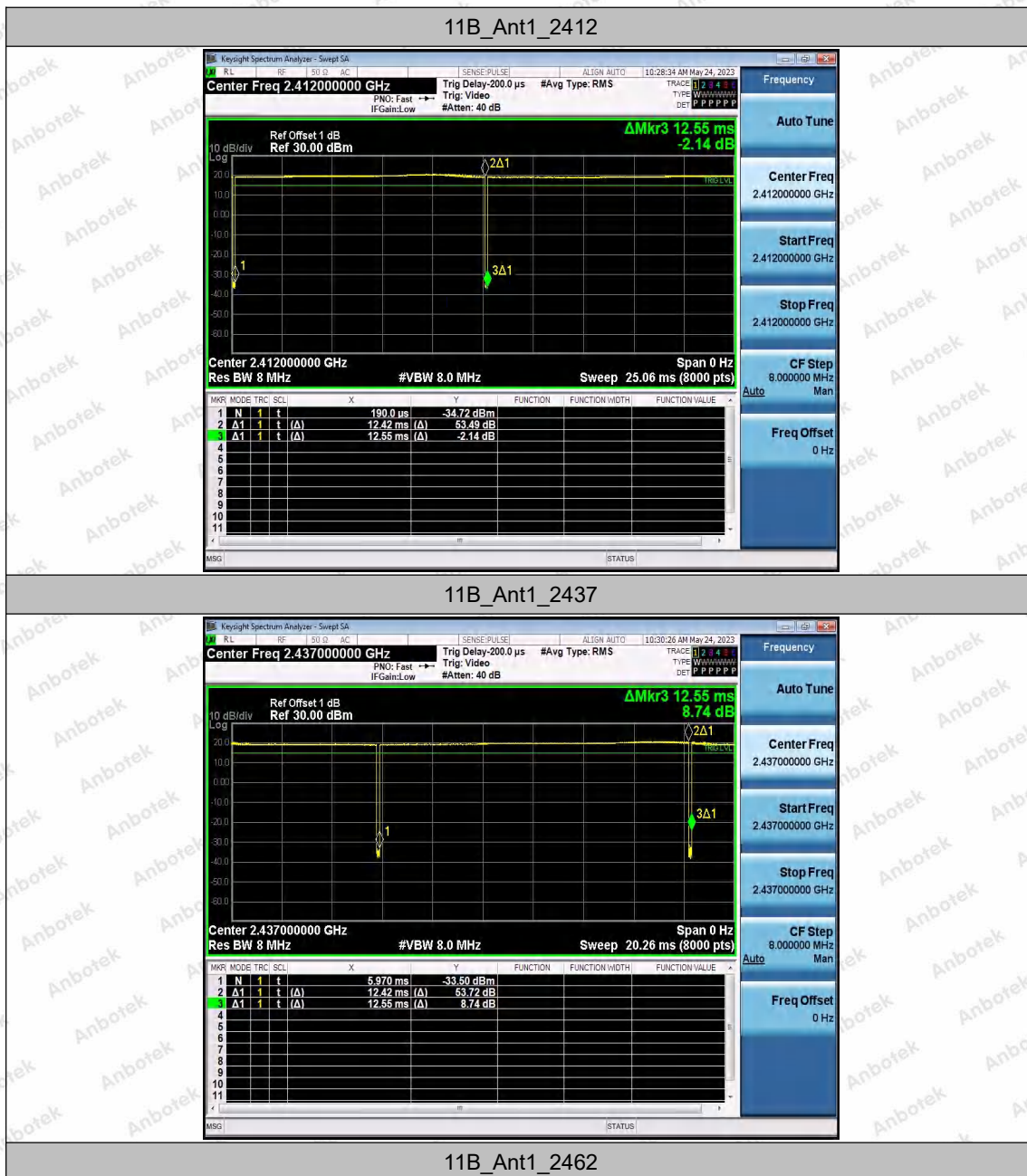
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.55	98.96	0.05
		2437	12.42	12.55	98.96	0.05
		2462	12.42	12.55	98.96	0.05
11G	Ant1	2412	2.07	2.20	94.09	0.26
		2437	2.06	2.19	94.06	0.27
		2462	2.06	2.19	94.06	0.27
11N20SISO	Ant1	2412	1.92	2.05	93.66	0.28
		2437	1.92	2.05	93.66	0.28
		2462	1.91	2.05	93.17	0.31



Test Graphs



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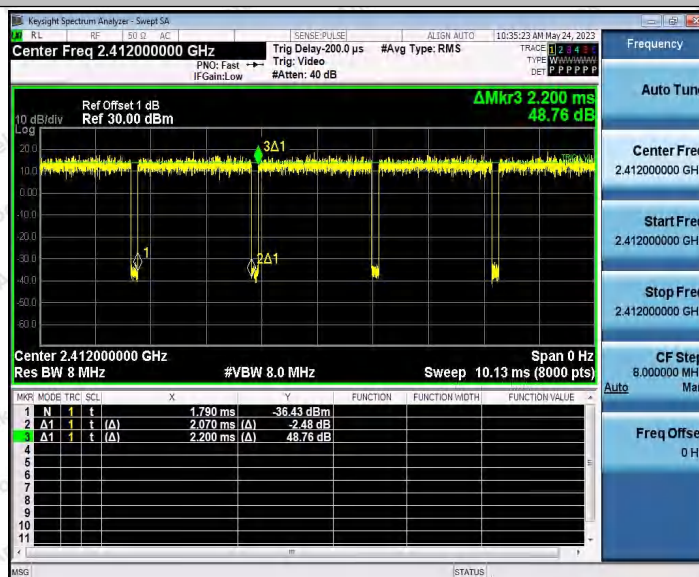


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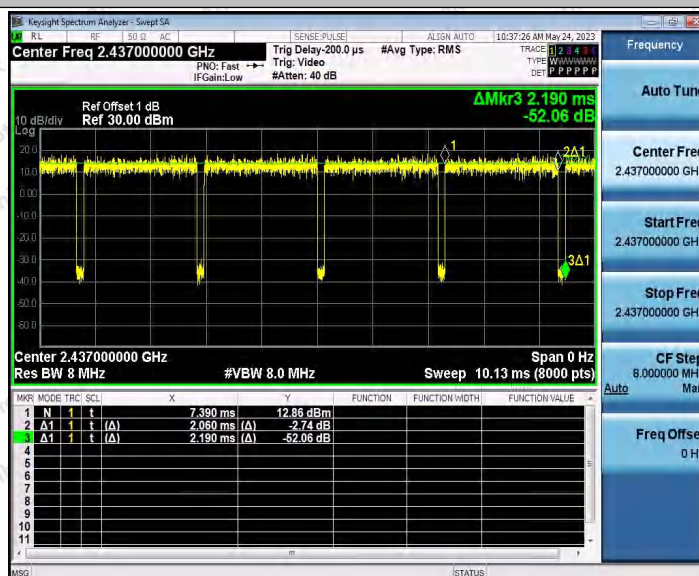




11G_Ant1_2412



11G_Ant1_2437



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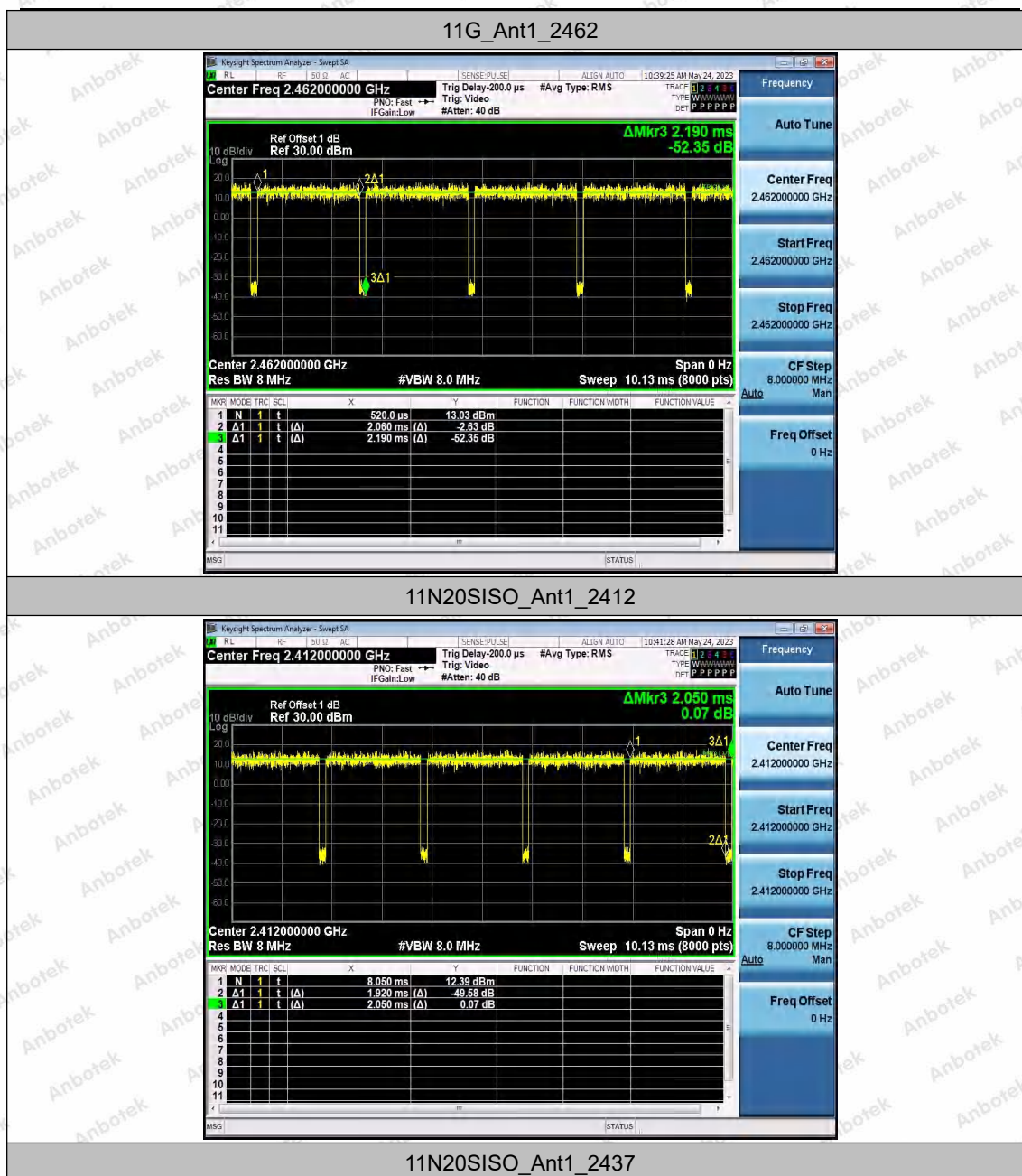


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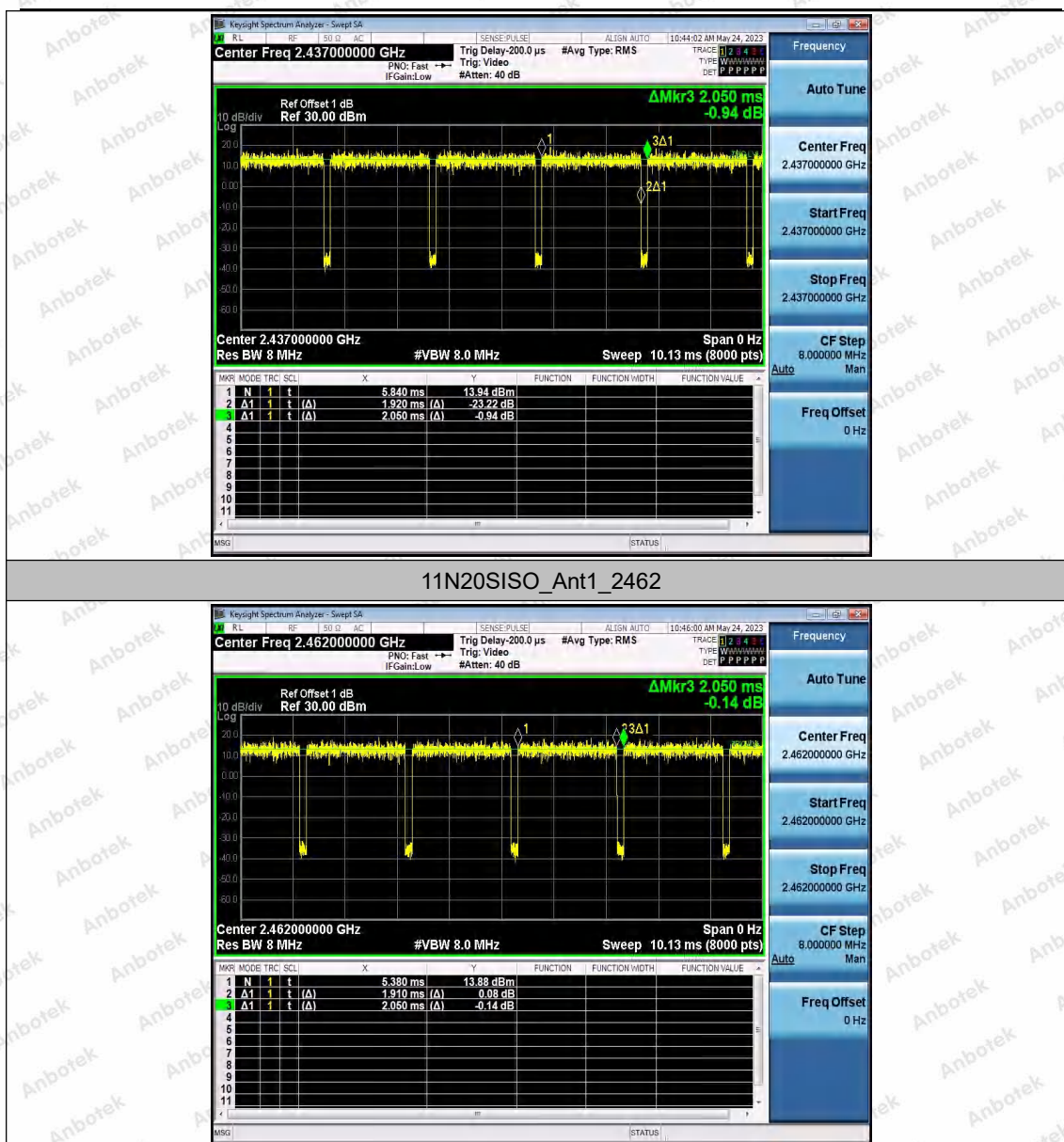


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