

Appendix Test Data

Report No.:	18220WC30130902	Test Sample No.:	1-2-2
Start Test Date:	2023.06.28	Finish Test Date:	2023.06.29
Test Engineer:	Rock Luo	Auditor:	Edward Pan
Temperature:	25.2°C	Relative Humidity:	48%
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	9.520	2407.520	2417.040	≥0.5	PASS
		2437	8.600	2432.960	2441.560	≥0.5	PASS
		2462	9.040	2457.480	2466.520	≥0.5	PASS
11G	Ant1	2412	16.360	2403.840	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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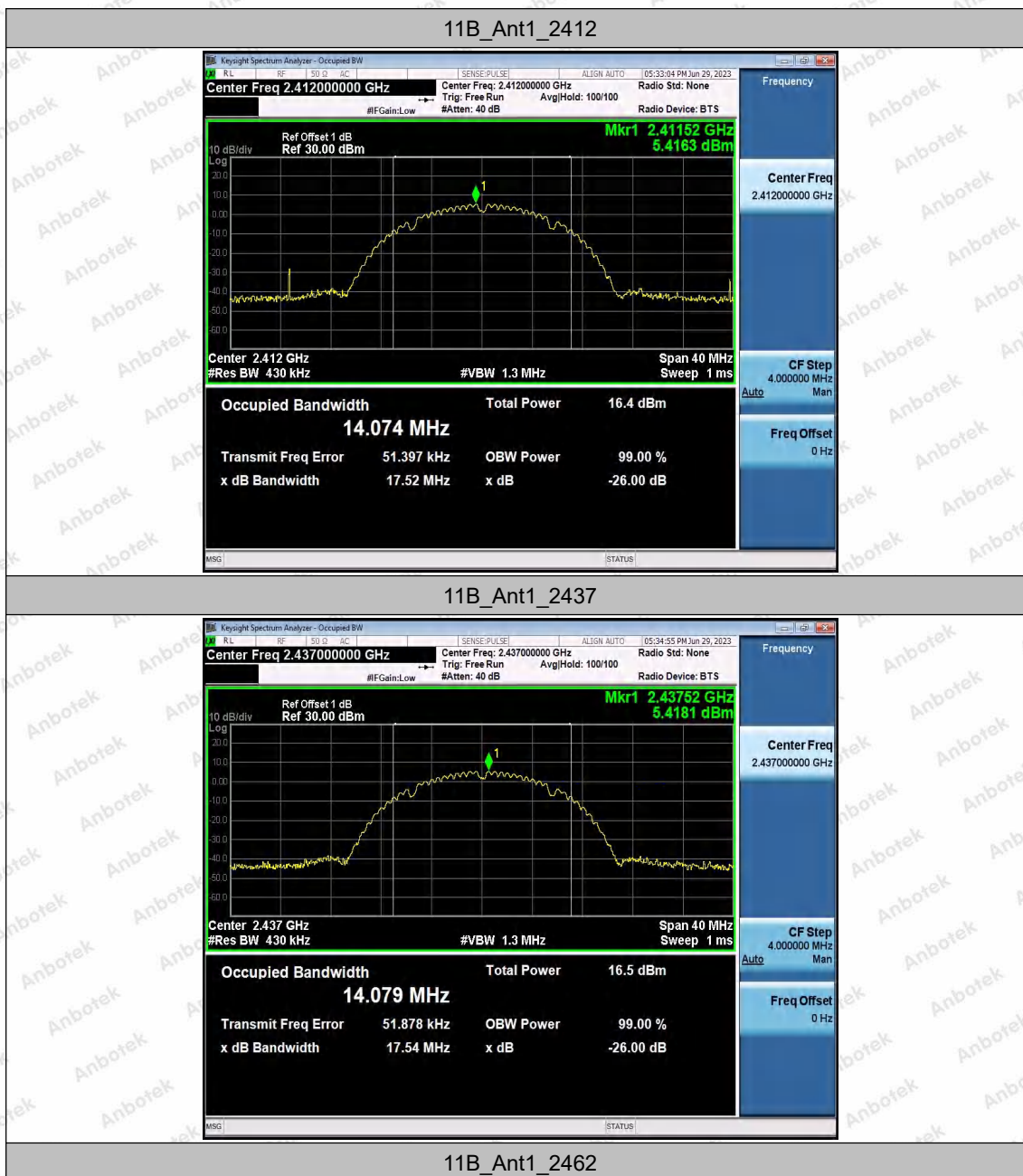
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.074	2405.0144	2419.0884
		2437	14.079	2430.0124	2444.0914
		2462	14.069	2455.0210	2469.0900
11G	Ant1	2412	17.220	2403.4677	2420.6877
		2437	17.159	2428.4448	2445.6038
		2462	17.161	2453.4557	2470.6167
11N20SISO	Ant1	2412	18.256	2402.9843	2421.2403
		2437	18.224	2427.9655	2446.1895
		2462	18.227	2452.9347	2471.1617



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	16.52	≤30.00
		2437	16.59	≤30.00
		2462	16.82	≤30.00
11G	Ant1	2412	16.34	≤30.00
		2437	16.39	≤30.00
		2462	16.59	≤30.00
11N20SISO	Ant1	2412	16.88	≤30.00
		2437	17.08	≤30.00
		2462	17.29	≤30.00



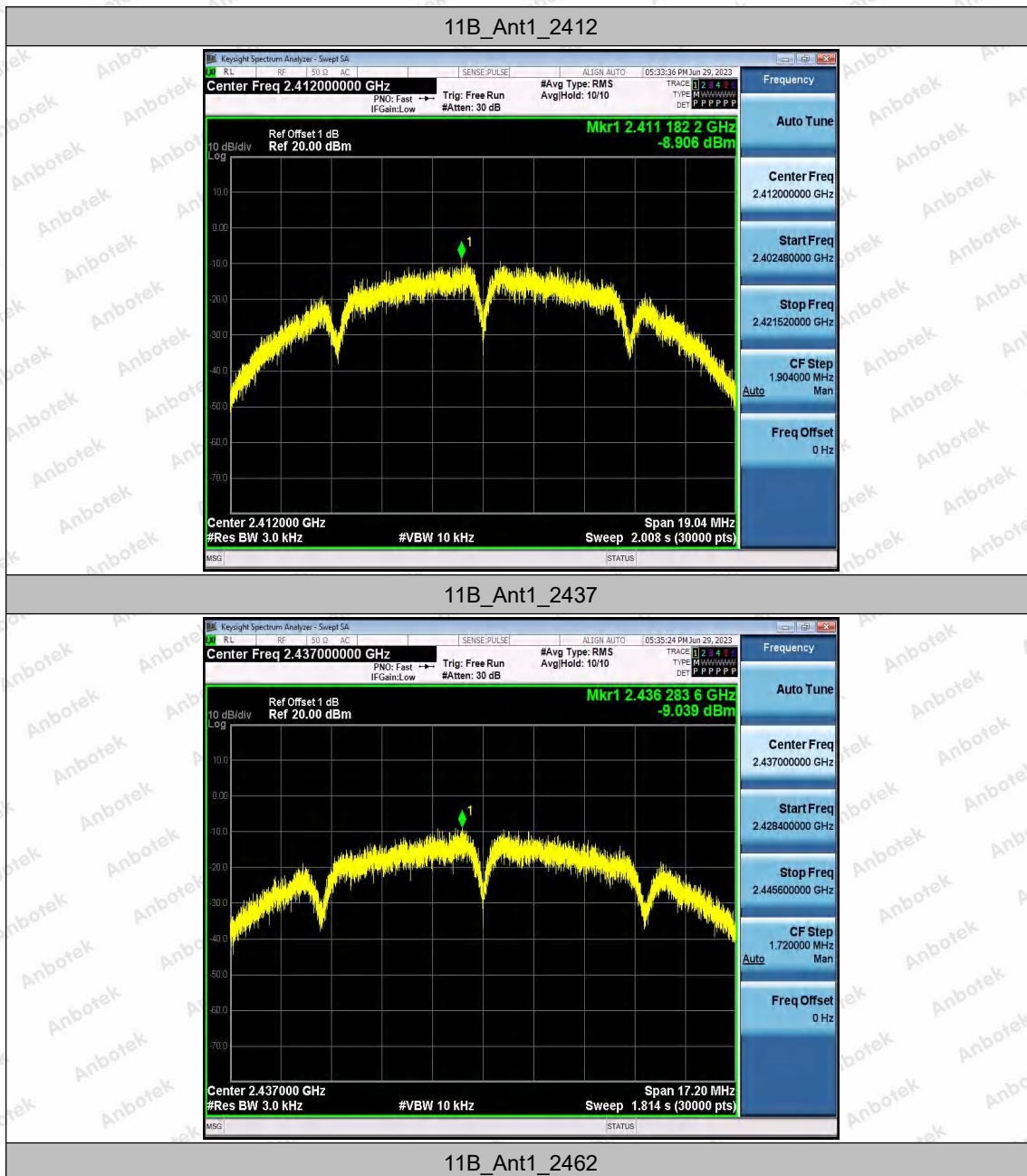
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.91	≤8.00	PASS
		2437	-9.04	≤8.00	PASS
		2462	-9.27	≤8.00	PASS
11G	Ant1	2412	-15.96	≤8.00	PASS
		2437	-15.91	≤8.00	PASS
		2462	-15.77	≤8.00	PASS
11N20SISO	Ant1	2412	-15.14	≤8.00	PASS
		2437	-15.26	≤8.00	PASS
		2462	-15.22	≤8.00	PASS



Test Graphs



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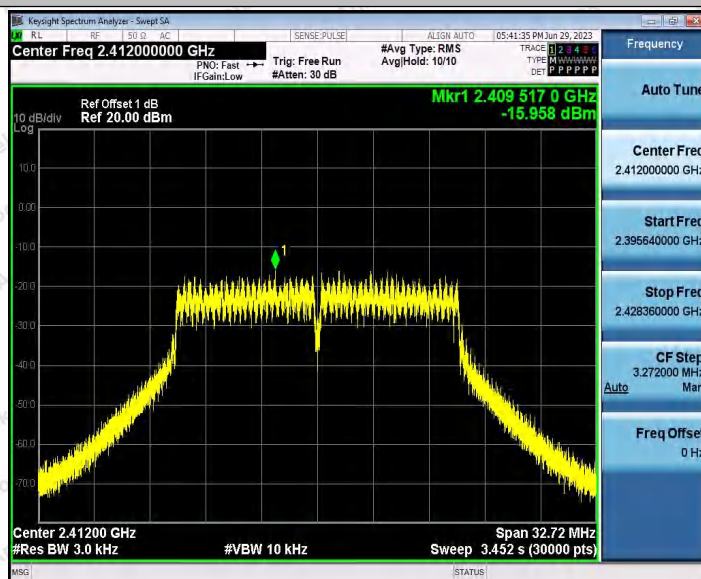


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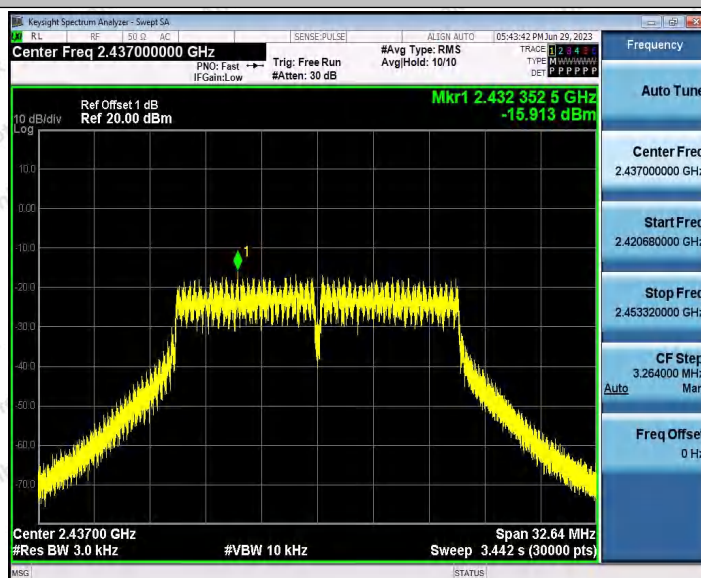




11G_Ant1_2412



11G_Ant1_2437



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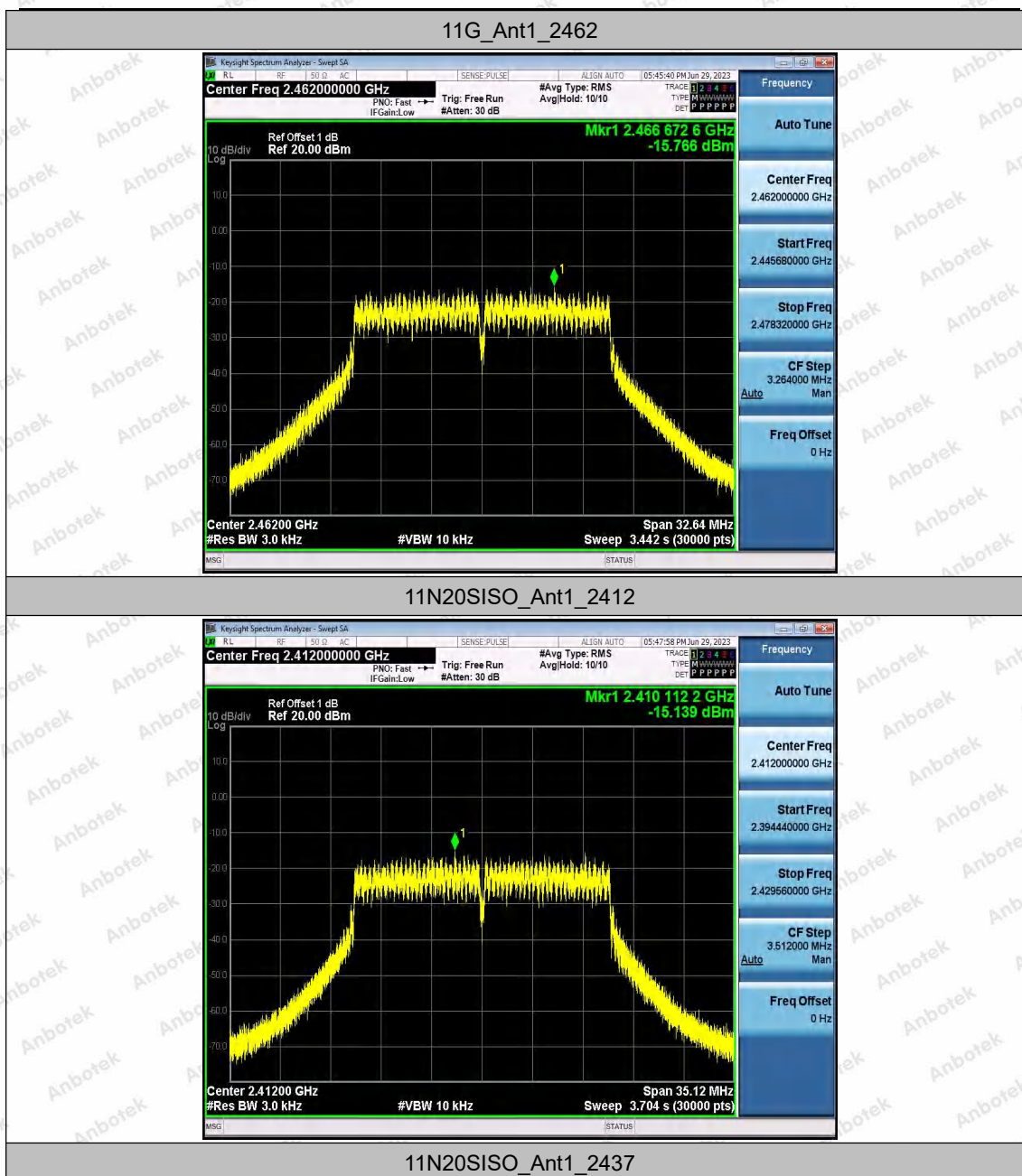


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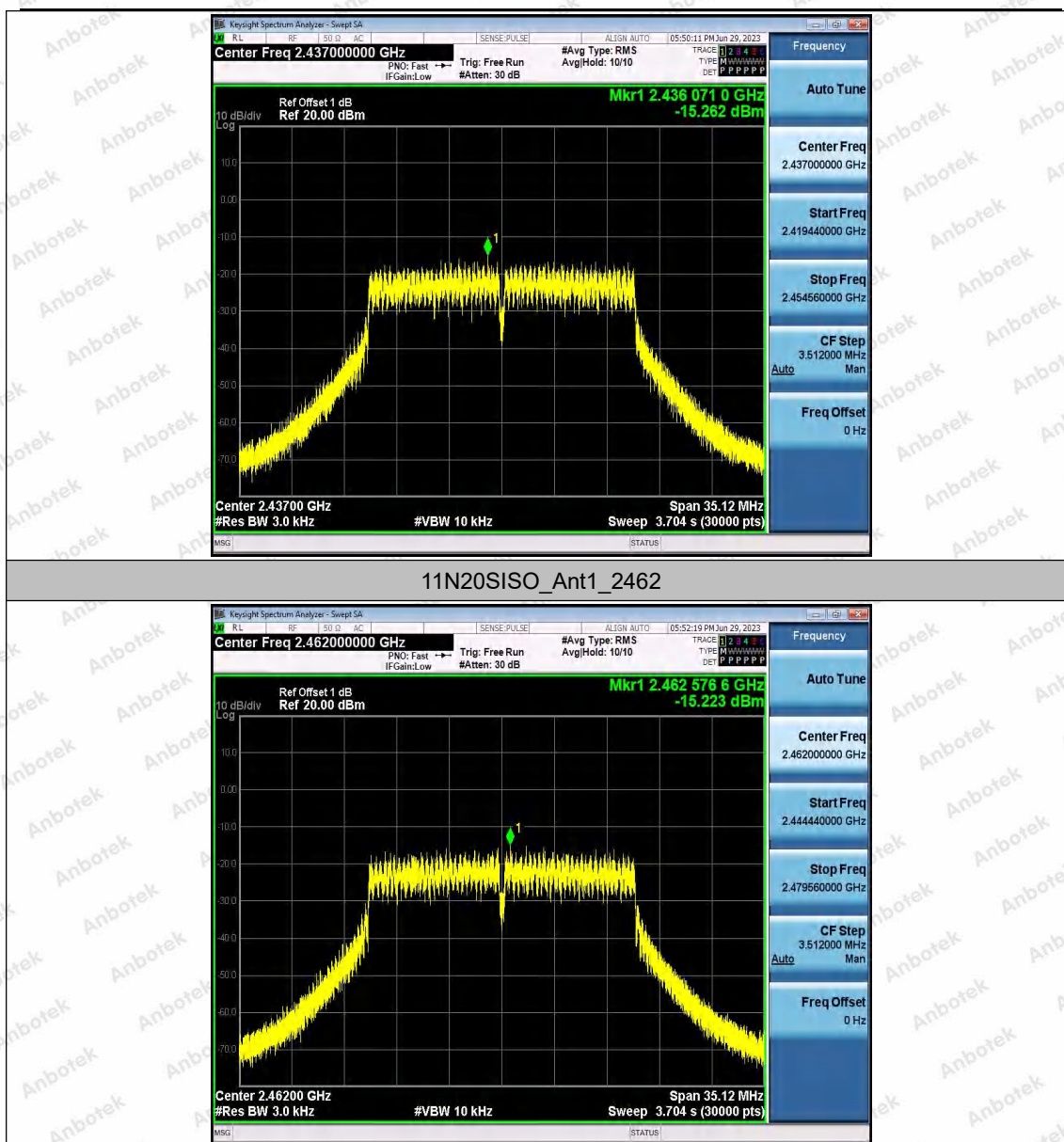
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.34	-38.15	≤-15.66	PASS
		High	2462	5.23	-53.08	≤-14.78	PASS
11G	Ant1	Low	2412	-2.20	-37.82	≤-22.2	PASS
		High	2462	-2.13	-54.62	≤-22.13	PASS
11N20SISO	Ant1	Low	2412	-2.04	-37.91	≤-22.04	PASS
		High	2462	-1.78	-52.49	≤-21.78	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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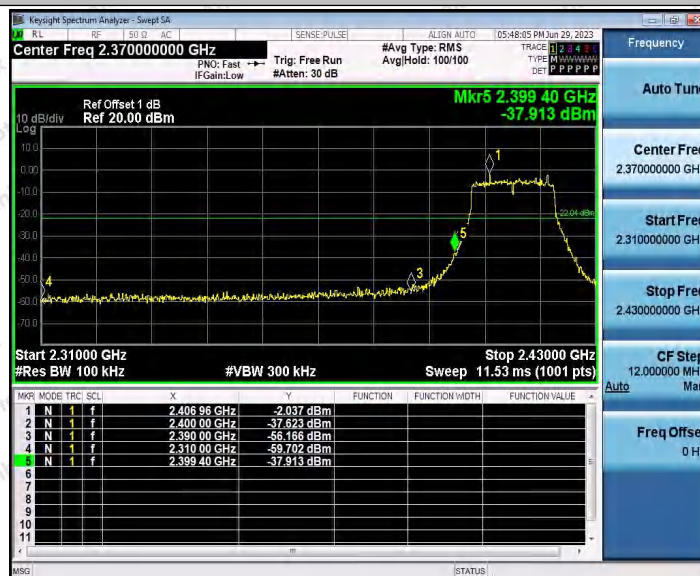




11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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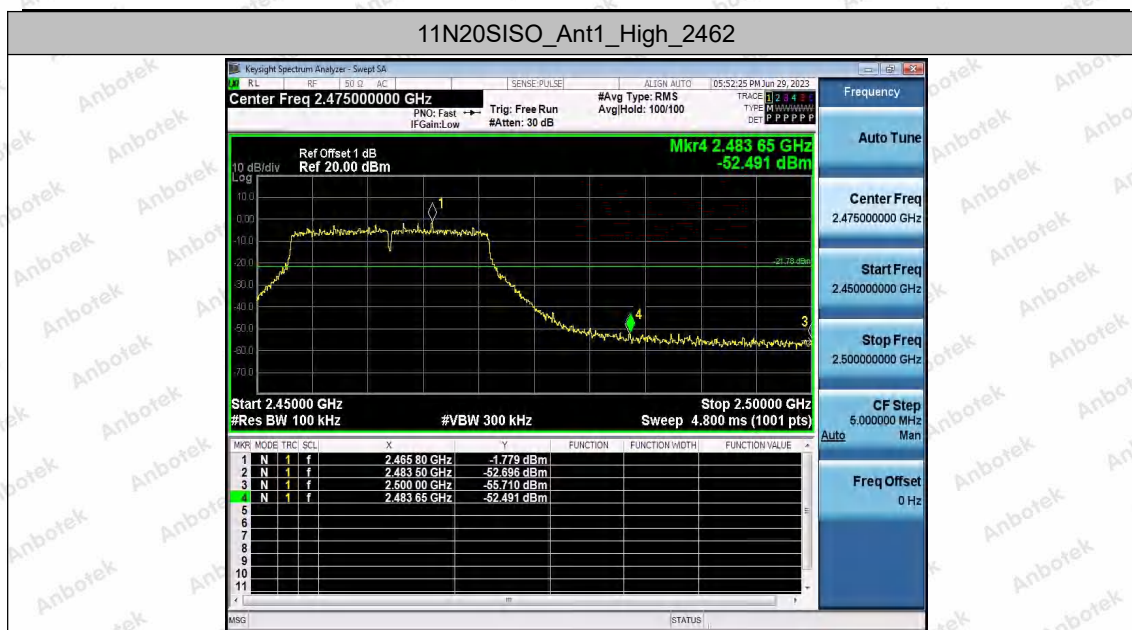


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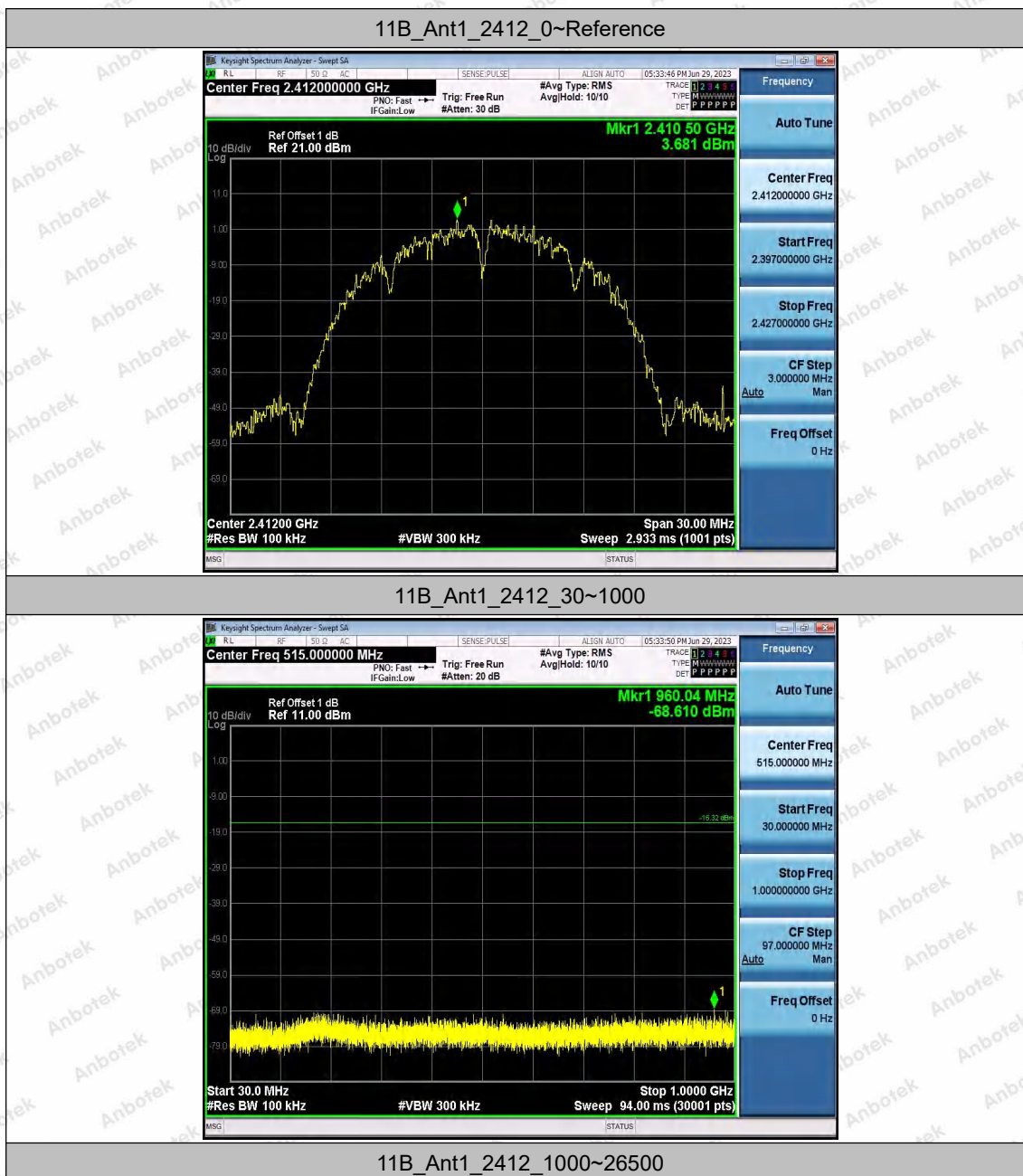
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-68.61	≤-16.32	PASS
			1000~26500	3.68	-47.41	≤-16.32	PASS
		2437	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-67.48	≤-16	PASS
			1000~26500	4.00	-48.82	≤-16	PASS
		2462	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-67.5	≤-16.32	PASS
			1000~26500	3.68	-51.13	≤-16.32	PASS
11G	Ant1	2412	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-68	≤-23.56	PASS
			1000~26500	-3.56	-53.49	≤-23.56	PASS
		2437	Reference	-2.07	-2.07	---	PASS
			30~1000	-2.07	-68.13	≤-22.07	PASS
			1000~26500	-2.07	-53.18	≤-22.07	PASS
		2462	Reference	-3.36	-3.36	---	PASS
			30~1000	-3.36	-68.34	≤-23.36	PASS
			1000~26500	-3.36	-52.98	≤-23.36	PASS
11N20SISO	Ant1	2412	Reference	-3.26	-3.26	---	PASS
			30~1000	-3.26	-67.59	≤-23.26	PASS
			1000~26500	-3.26	-52.7	≤-23.26	PASS
		2437	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-68.12	≤-23.73	PASS
			1000~26500	-3.73	-54.11	≤-23.73	PASS
		2462	Reference	-4.65	-4.65	---	PASS
			30~1000	-4.65	-67.33	≤-24.65	PASS
			1000~26500	-4.65	-53.27	≤-24.65	PASS



Test Graphs



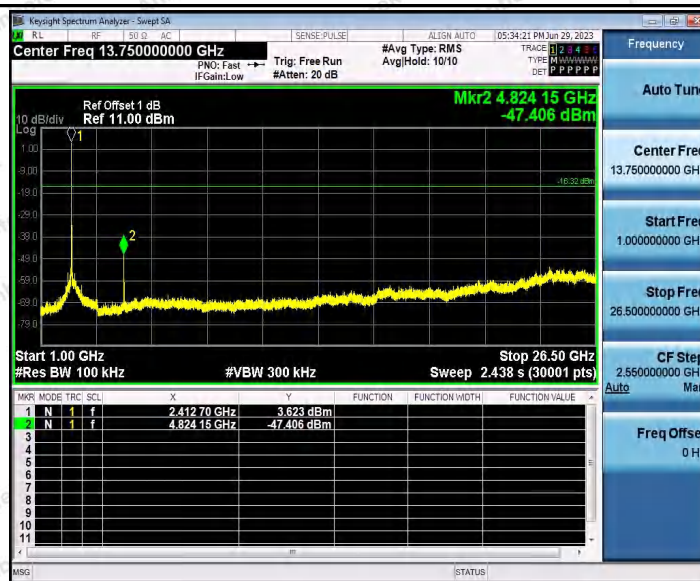
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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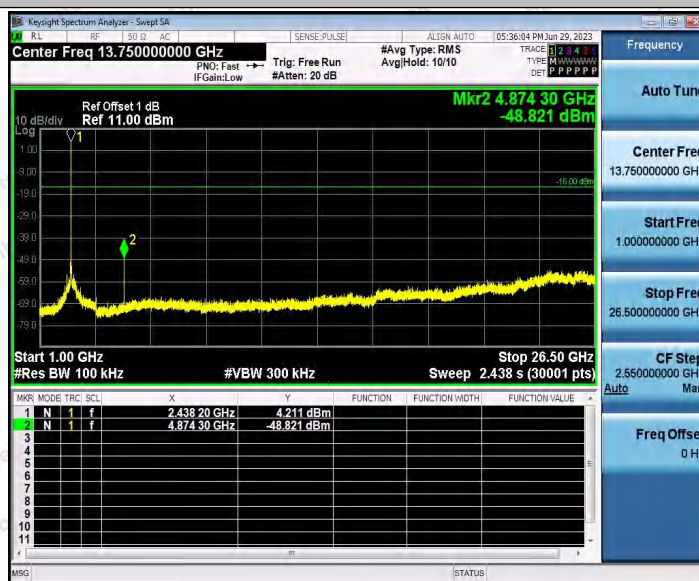
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

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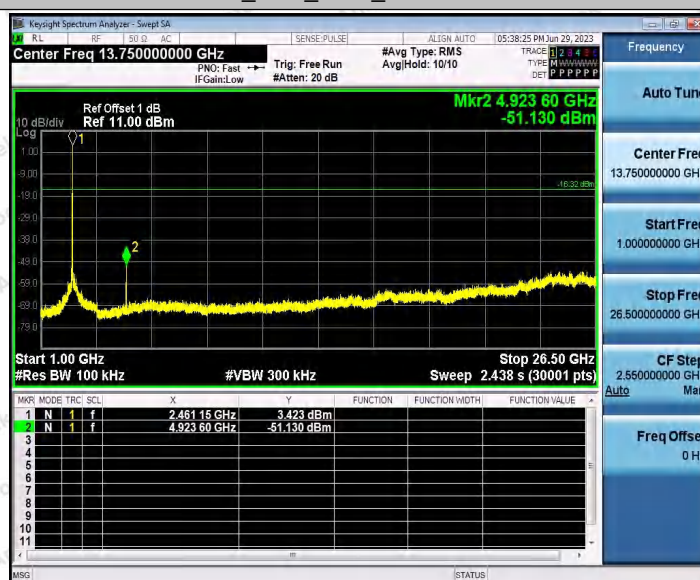


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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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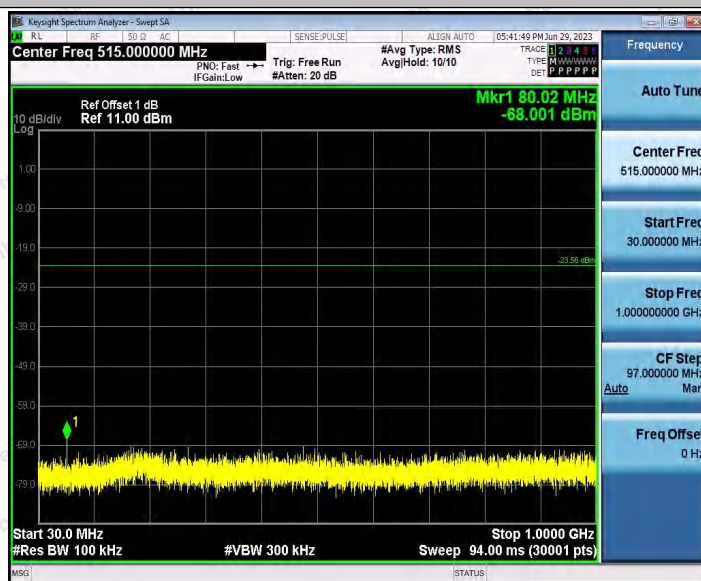
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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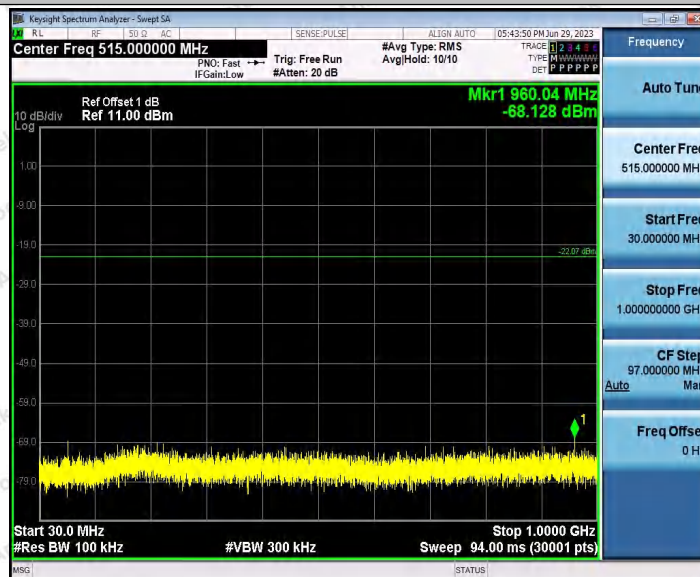


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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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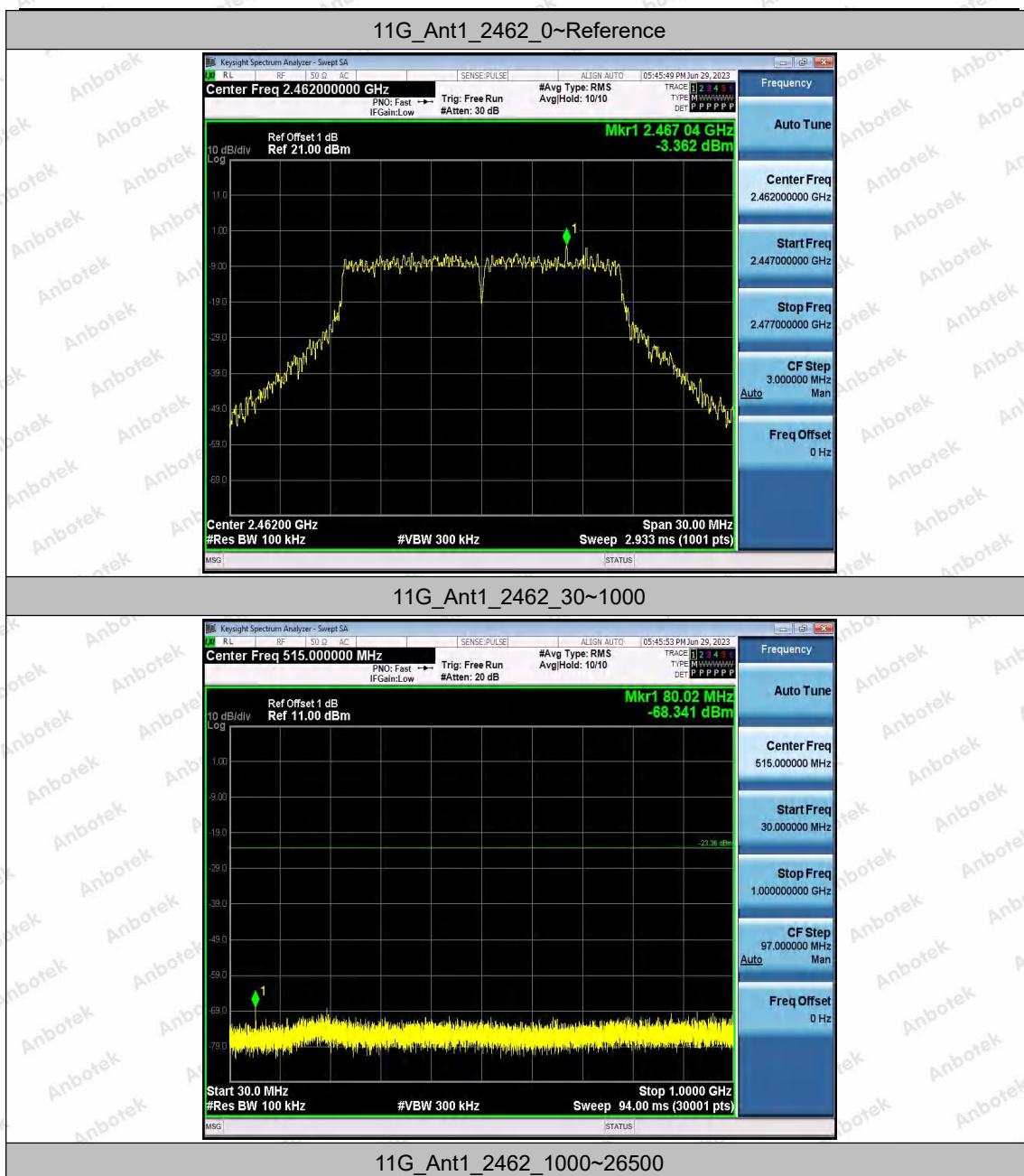


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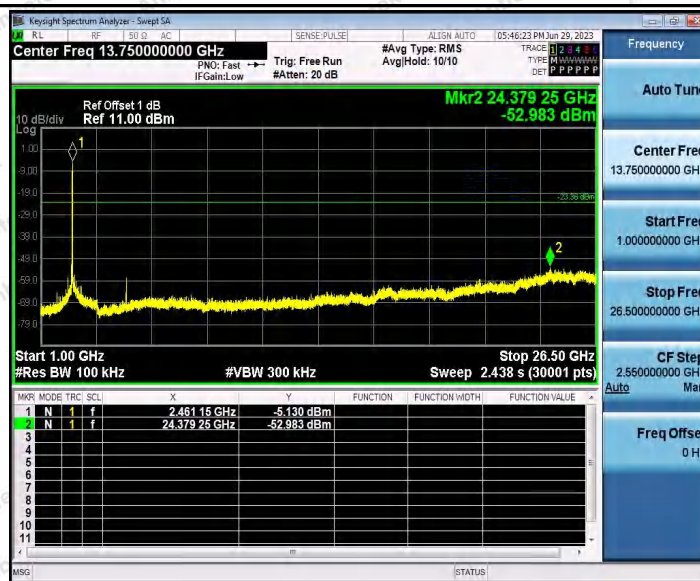
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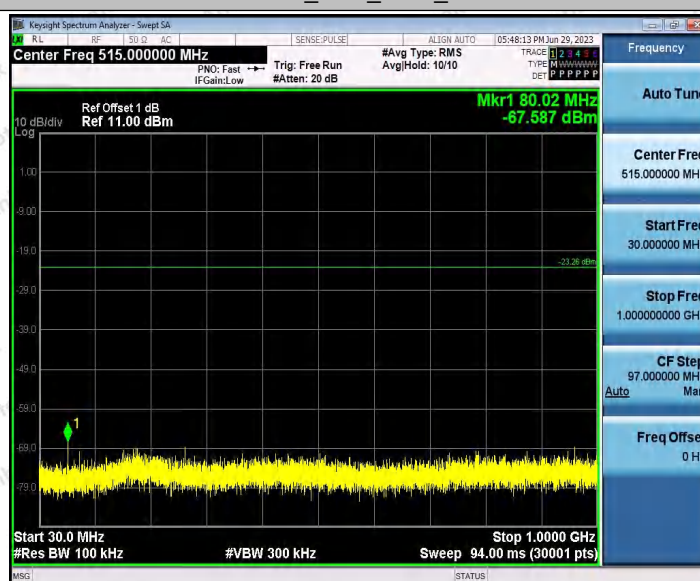




11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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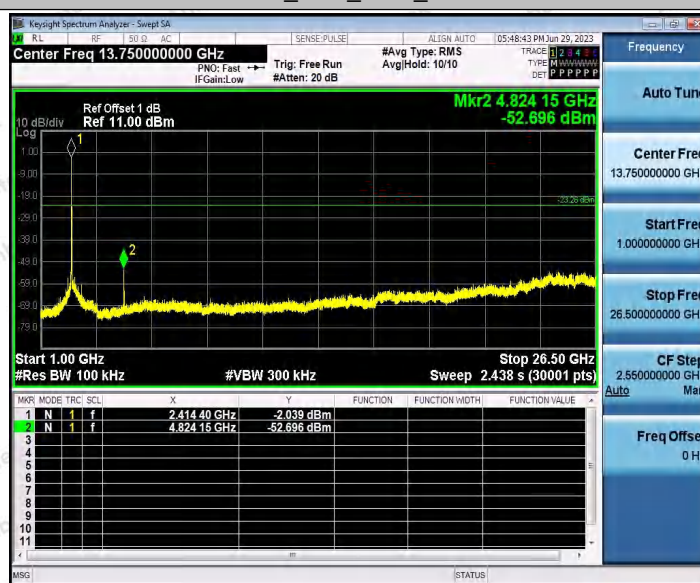
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

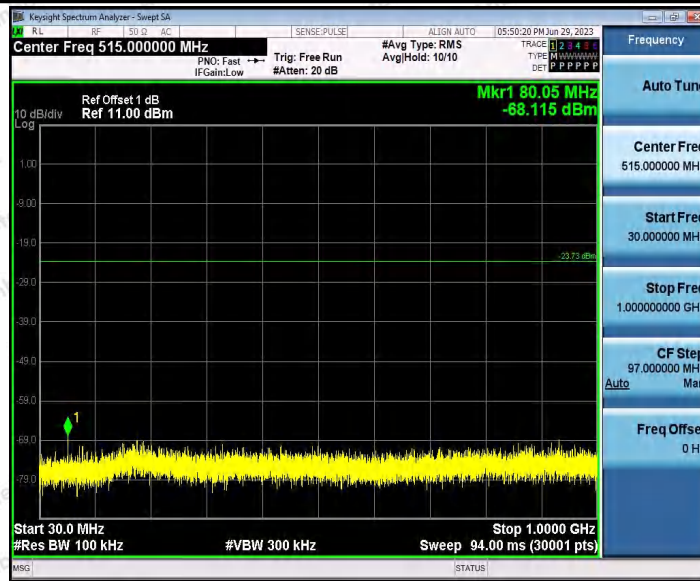
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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



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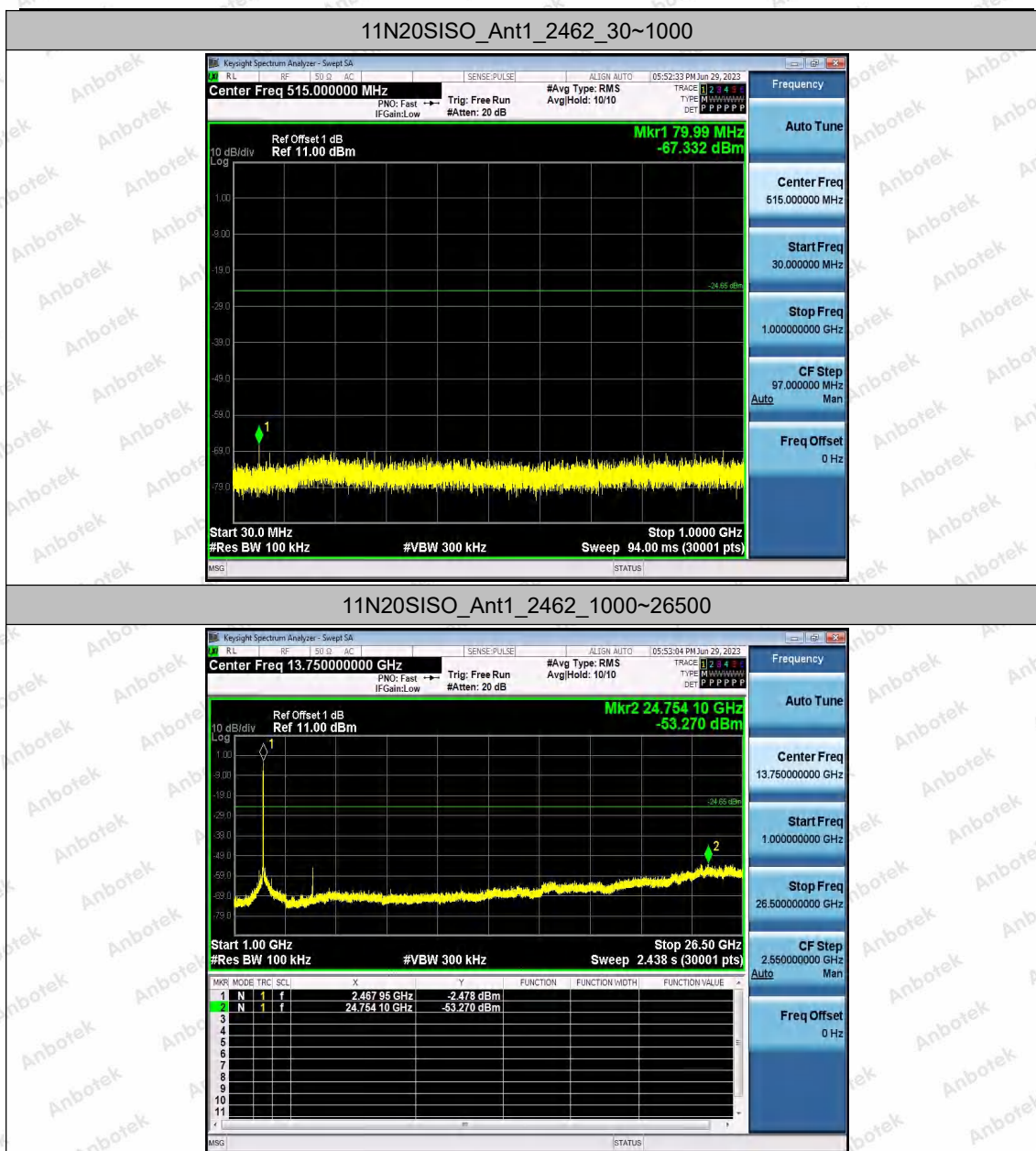


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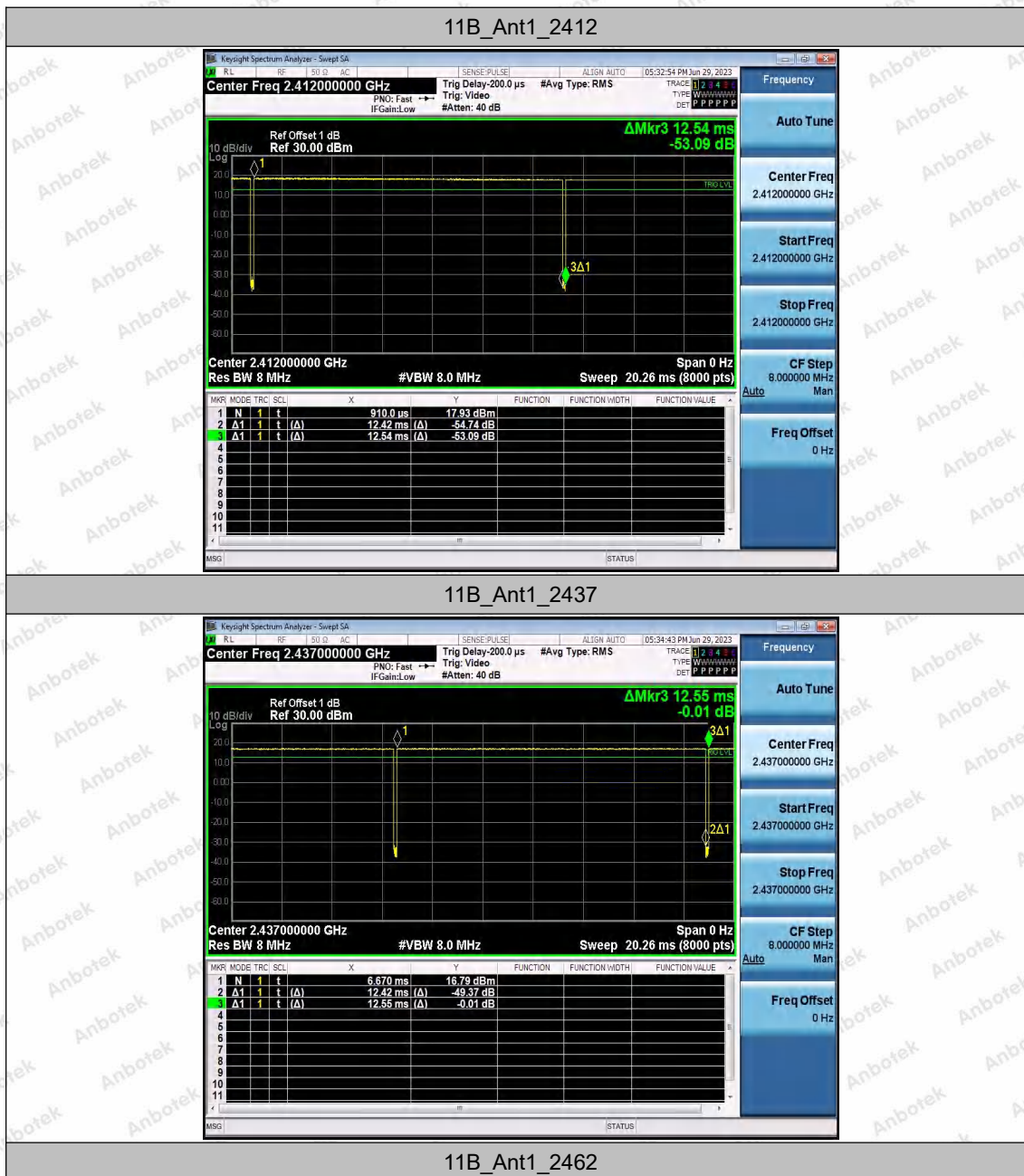
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.54	99.04	0.04
		2437	12.42	12.55	98.96	0.05
		2462	12.42	12.55	98.96	0.05
11G	Ant1	2412	2.06	2.20	93.64	0.29
		2437	2.06	2.19	94.06	0.27
		2462	2.07	2.20	94.09	0.26
11N20SISO	Ant1	2412	1.91	2.05	93.17	0.31
		2437	1.92	2.05	93.66	0.28
		2462	1.92	2.05	93.66	0.28



Test Graphs



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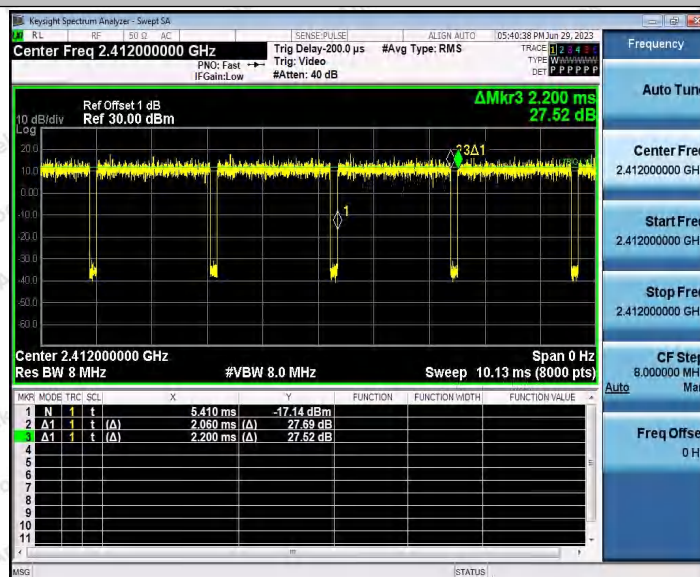


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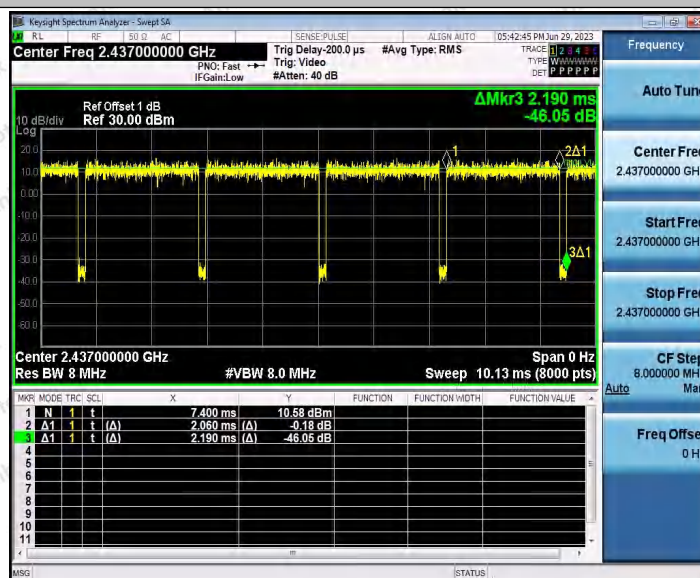




11G_Ant1_2412



11G_Ant1_2437



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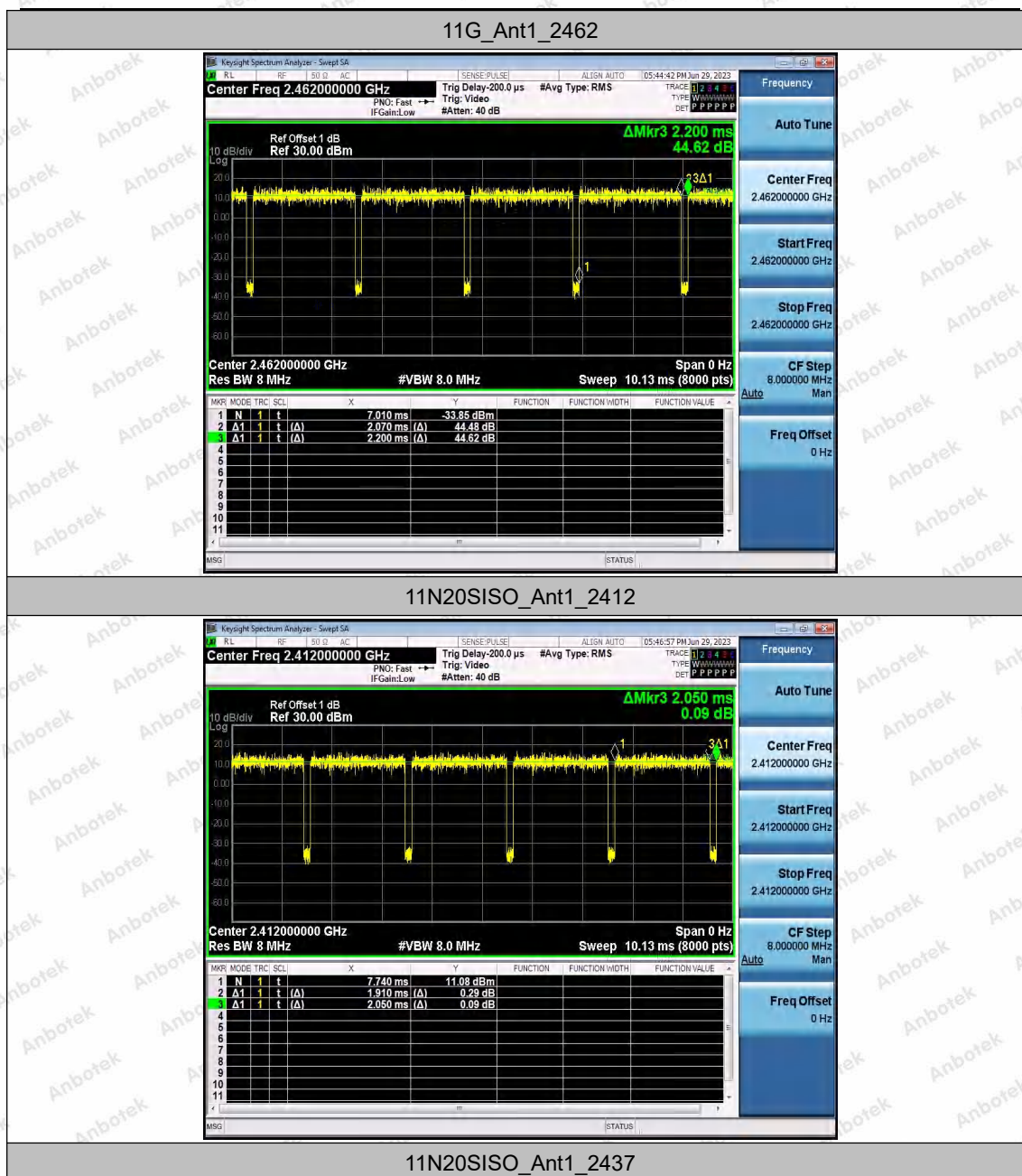


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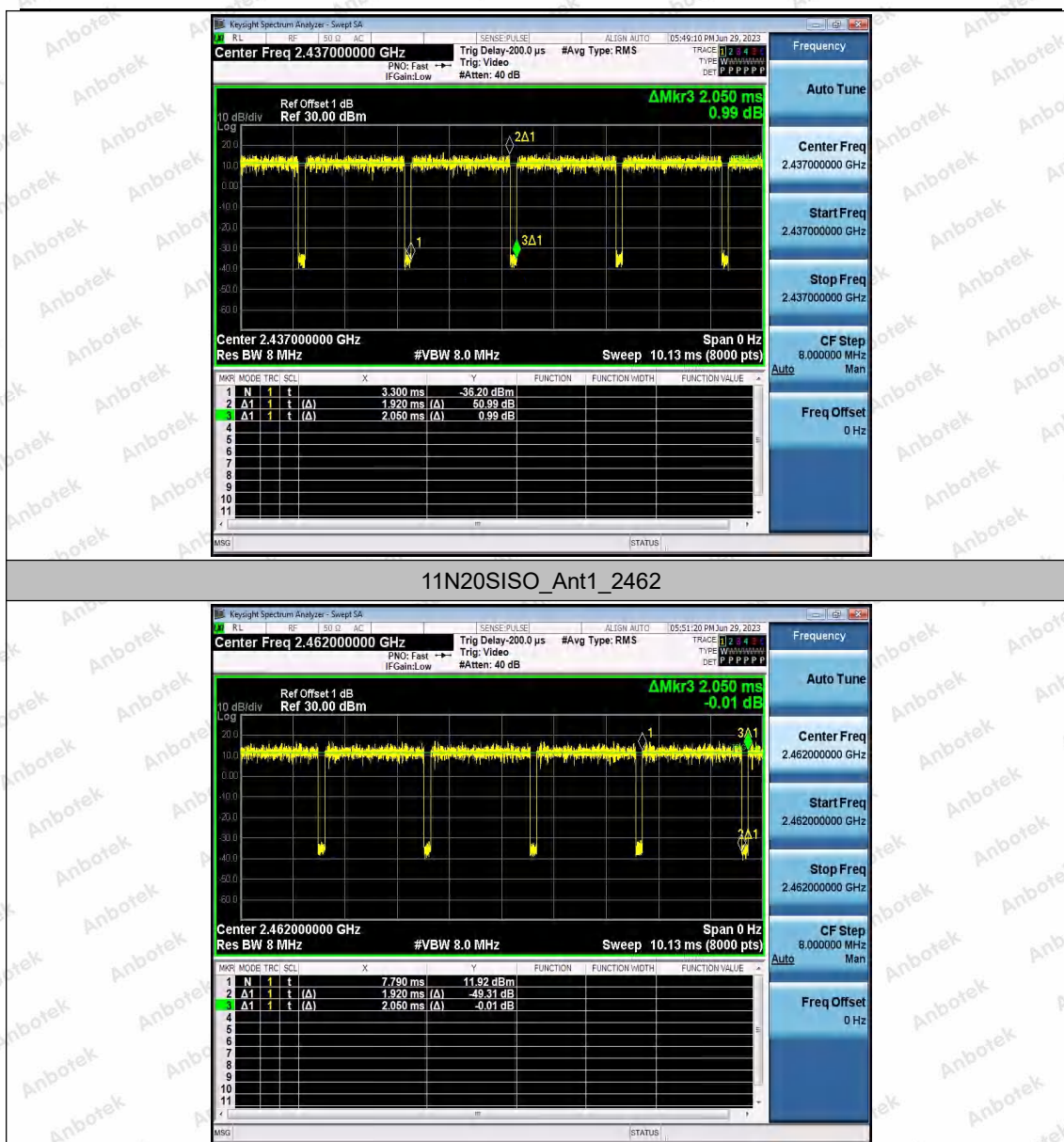
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