

Appendix Test Data

Report No.:	18220WC30047102	Test Sample No.:	1-2-2
Start Test Date:	2023.03.28	Finish Test Date:	2023.03.30
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.9℃	Relative Humidity:	54%
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	10.040	2407.000	2417.040	≥0.5	PASS
		2437	9.560	2432.000	2441.560	≥0.5	PASS
		2462	9.560	2457.000	2466.560	≥0.5	PASS
11G	Ant1	2412	14.960	2404.520	2419.480	≥0.5	PASS
		2437	15.120	2429.480	2444.600	≥0.5	PASS
		2462	15.680	2454.080	2469.760	≥0.5	PASS
11N20SISO	Ant1	2412	15.640	2404.480	2420.120	≥0.5	PASS
		2437	16.800	2428.600	2445.400	≥0.5	PASS
		2462	16.360	2453.480	2469.840	≥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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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

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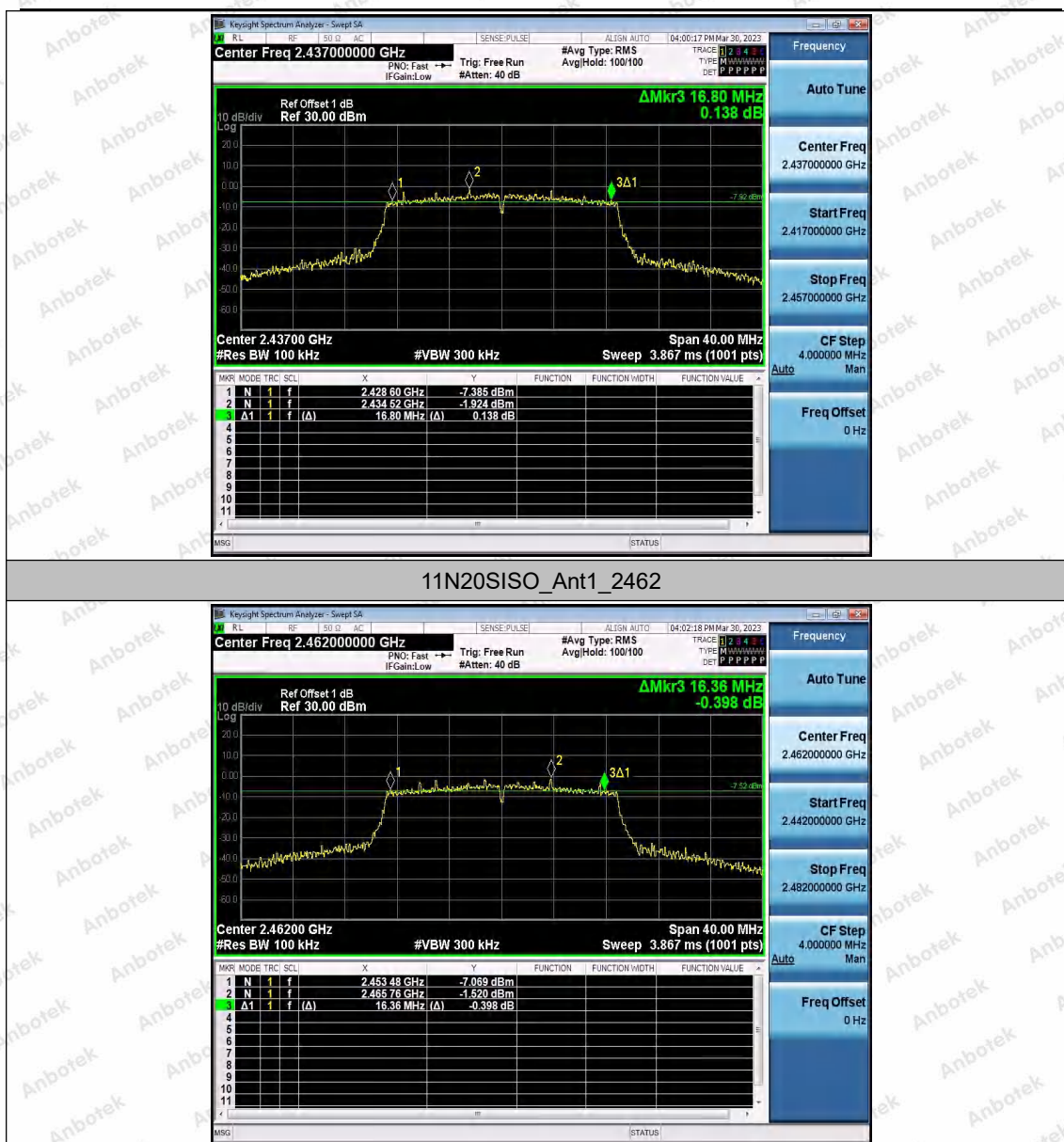


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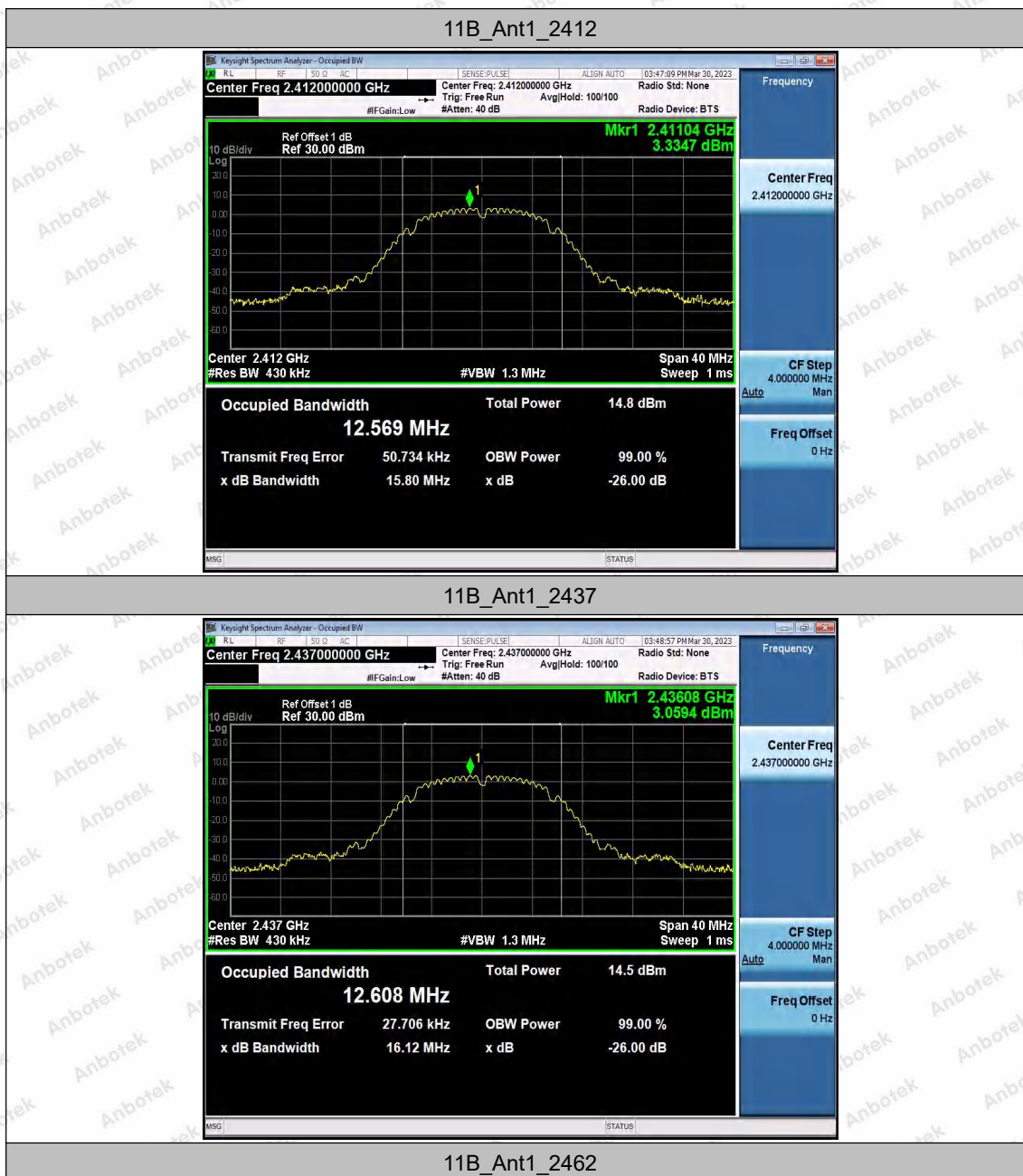
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.569	2405.7662	2418.3352
		2437	12.608	2430.7237	2443.3317
		2462	12.571	2455.7376	2468.3086
11G	Ant1	2412	16.829	2403.6184	2420.4474
		2437	16.827	2428.6126	2445.4396
		2462	16.916	2453.5747	2470.4907
11N20SISO	Ant1	2412	17.792	2403.1500	2420.9420
		2437	17.820	2428.1198	2445.9398
		2462	17.792	2453.1157	2470.9077



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	14.85	≤30.00
		2437	14.80	≤30.00
		2462	14.64	≤30.00
11G	Ant1	2412	14.90	≤30.00
		2437	16.91	≤30.00
		2462	16.81	≤30.00
11N20SISO	Ant1	2412	14.82	≤30.00
		2437	16.94	≤30.00
		2462	16.85	≤30.00



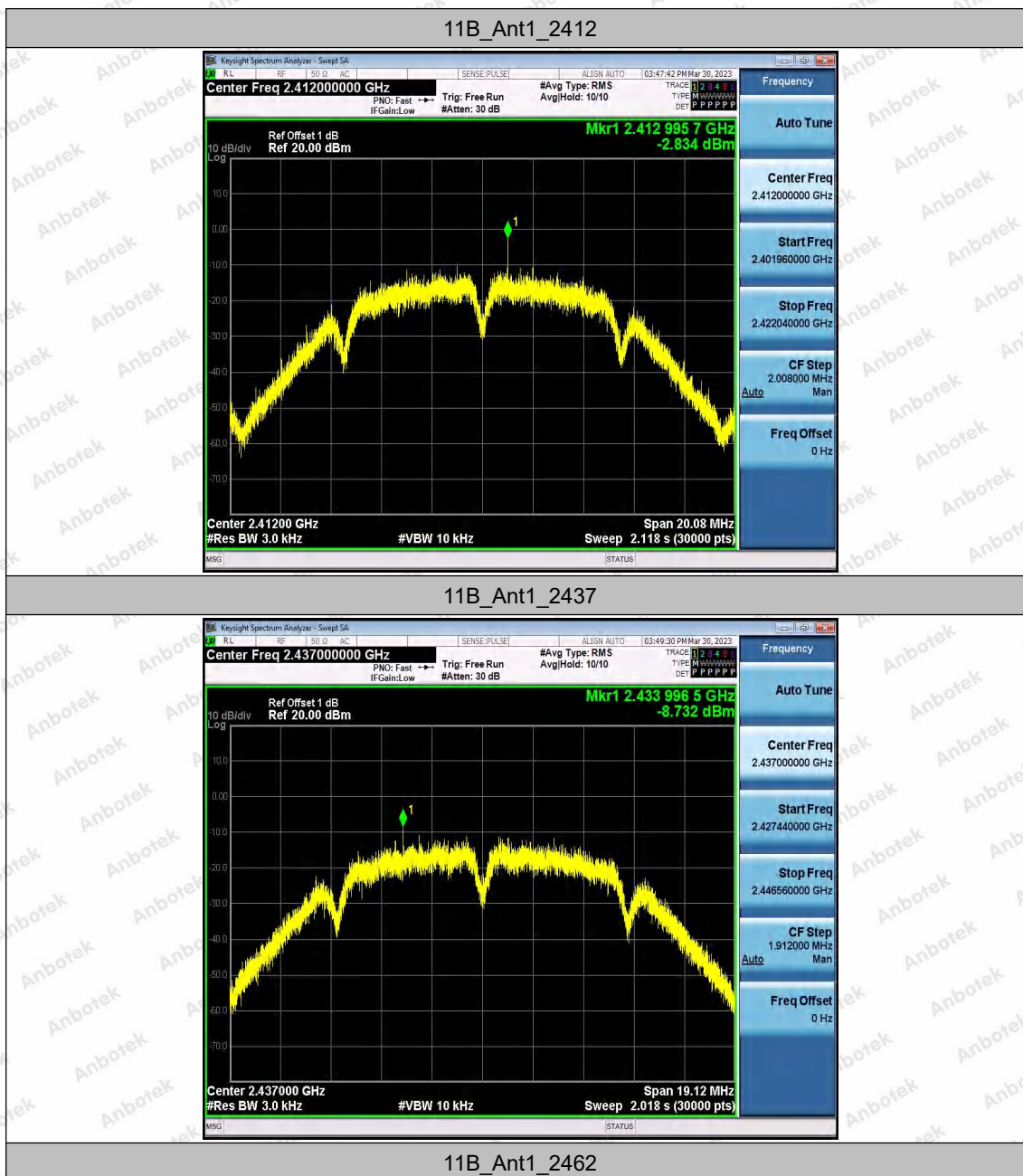
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.83	≤8.00	PASS
		2437	-8.73	≤8.00	PASS
		2462	-7.62	≤8.00	PASS
11G	Ant1	2412	-16.76	≤8.00	PASS
		2437	-13.96	≤8.00	PASS
		2462	-13.67	≤8.00	PASS
11N20SISO	Ant1	2412	-16.55	≤8.00	PASS
		2437	-14.49	≤8.00	PASS
		2462	-14.5	≤8.00	PASS



Test Graphs



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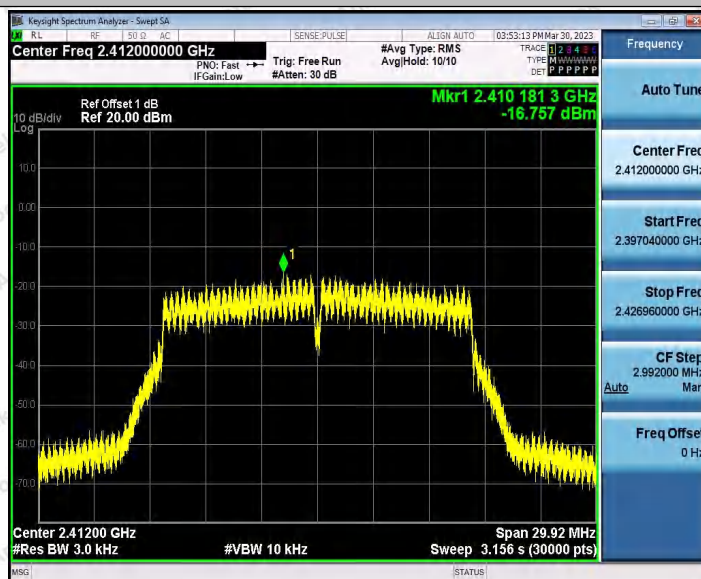


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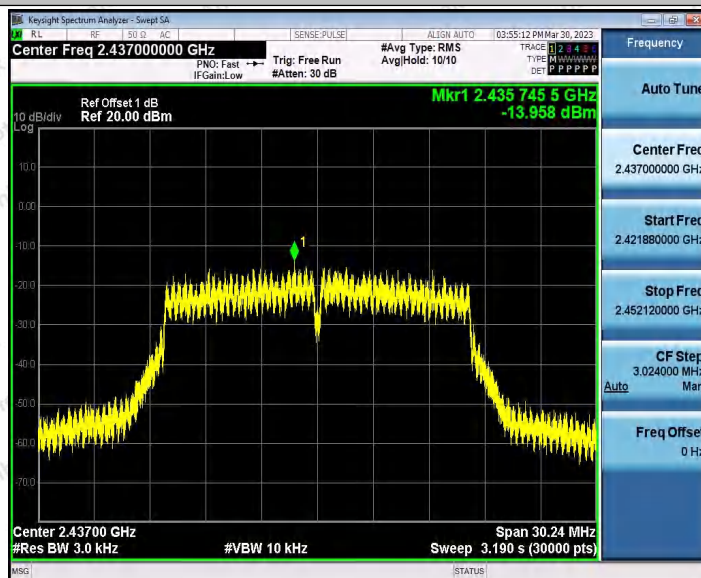




11G_Ant1_2412



11G_Ant1_2437

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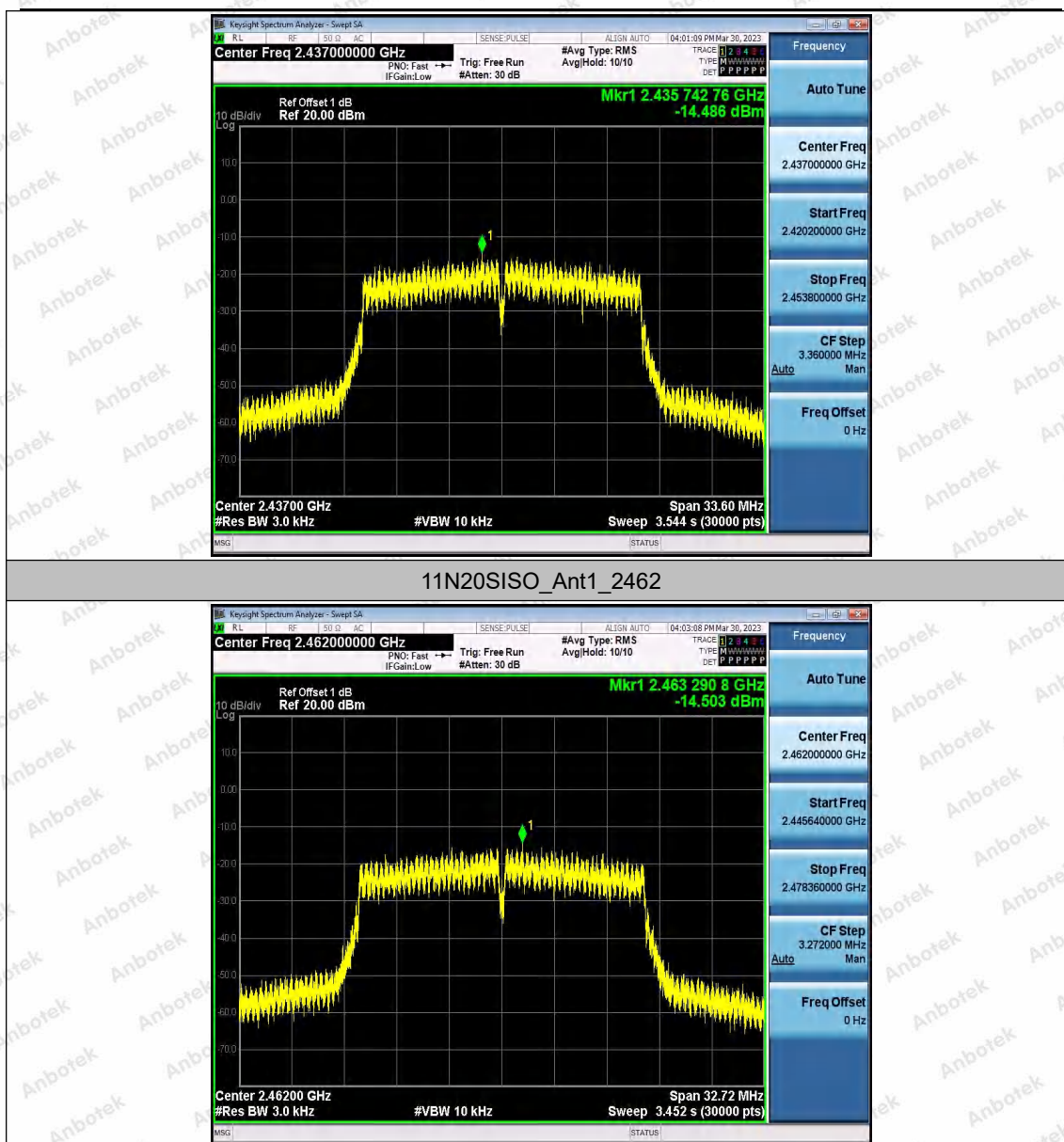
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Appendix E: Band edge measurements

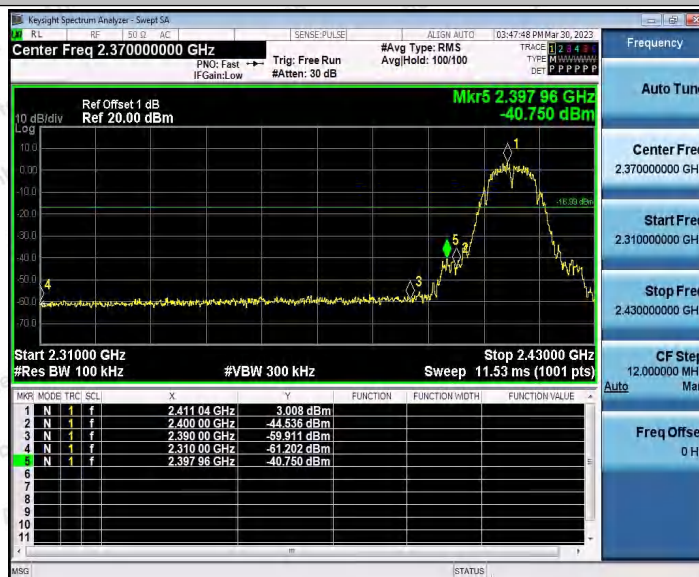
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.01	-40.75	≤-16.99	PASS
		High	2462	2.60	-55.72	≤-17.4	PASS
11G	Ant1	Low	2412	-3.91	-41.26	≤-23.91	PASS
		High	2462	-1.79	-51.14	≤-21.79	PASS
11N20SISO	Ant1	Low	2412	-2.38	-40.24	≤-22.38	PASS
		High	2462	-1.68	-48.53	≤-21.68	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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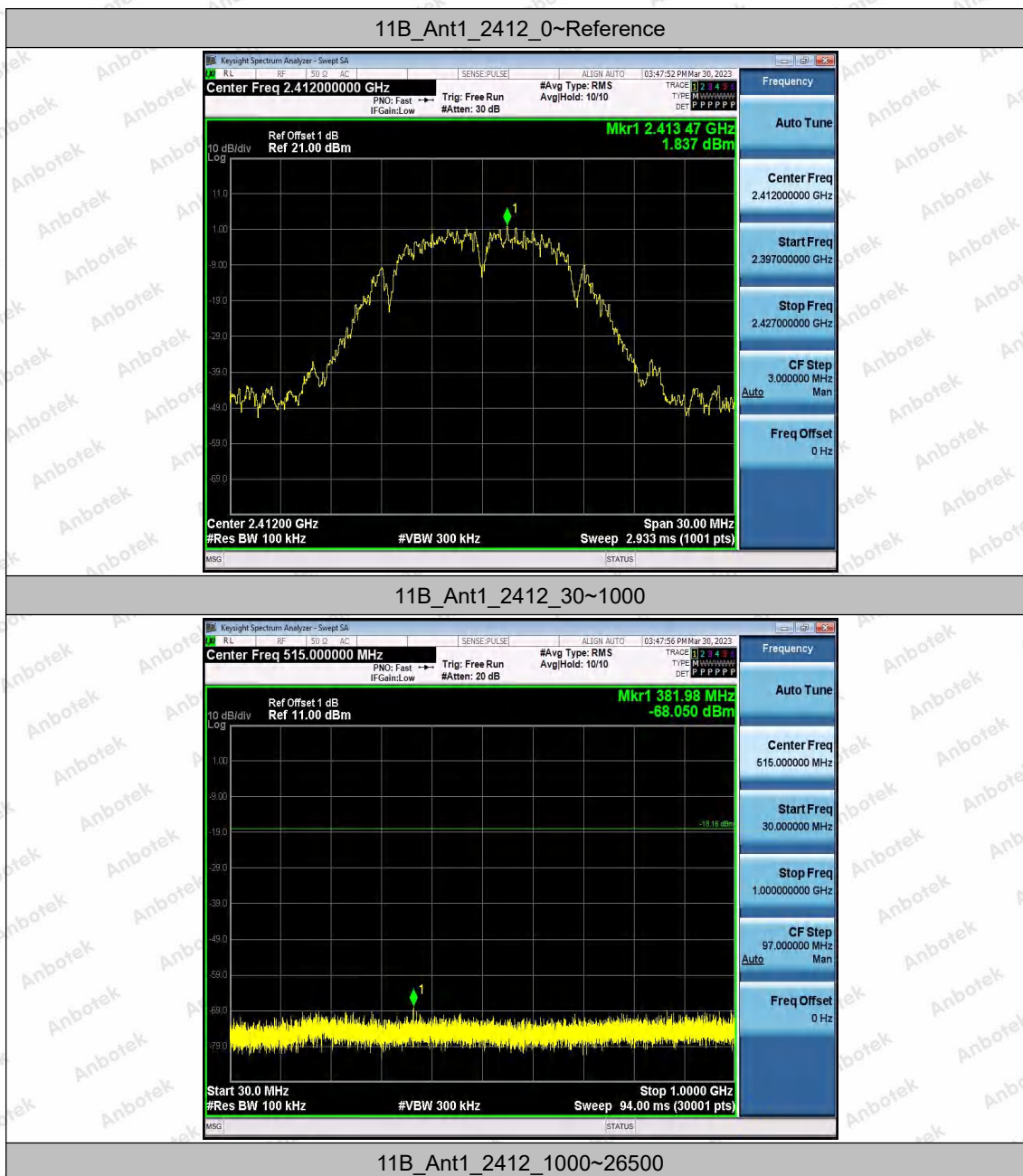
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.84	1.84	---	PASS
			30~1000	1.84	-68.05	≤-18.16	PASS
			1000~26500	1.84	-53.76	≤-18.16	PASS
		2437	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-68.17	≤-18.59	PASS
			1000~26500	1.41	-54.06	≤-18.59	PASS
		2462	Reference	0.71	0.71	---	PASS
			30~1000	0.71	-68.53	≤-19.29	PASS
			1000~26500	0.71	-51.9	≤-19.29	PASS
11G	Ant1	2412	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-68.99	≤-23.66	PASS
			1000~26500	-3.66	-53.04	≤-23.66	PASS
		2437	Reference	-1.80	-1.80	---	PASS
			30~1000	-1.80	-68.99	≤-21.8	PASS
			1000~26500	-1.80	-43.06	≤-21.8	PASS
		2462	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-68.46	≤-24.17	PASS
			1000~26500	-4.17	-52.82	≤-24.17	PASS
11N20SISO	Ant1	2412	Reference	-5.99	-5.99	---	PASS
			30~1000	-5.99	-69.36	≤-25.99	PASS
			1000~26500	-5.99	-53.92	≤-25.99	PASS
		2437	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-69.03	≤-21.71	PASS
			1000~26500	-1.71	-53.24	≤-21.71	PASS
		2462	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-68.35	≤-23.4	PASS
			1000~26500	-3.40	-53.11	≤-23.4	PASS



Test Graphs



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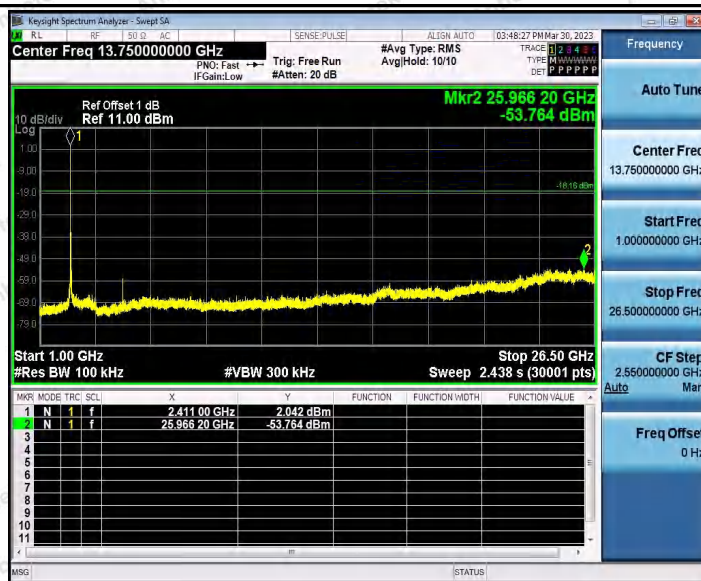


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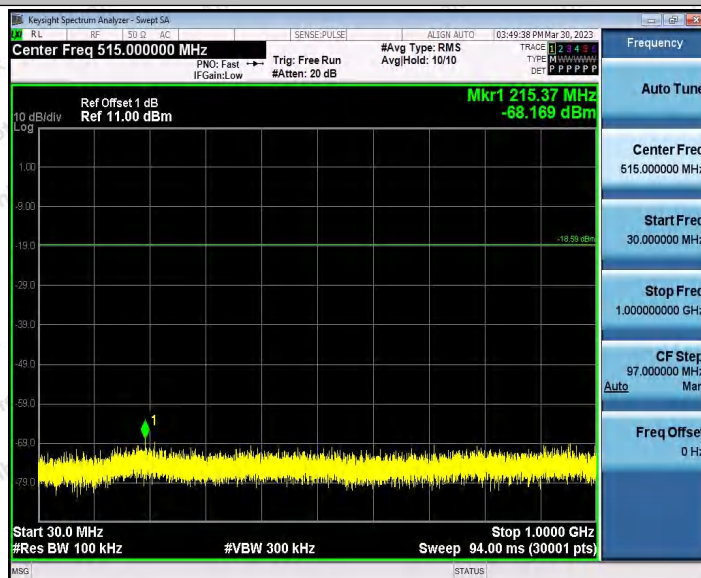




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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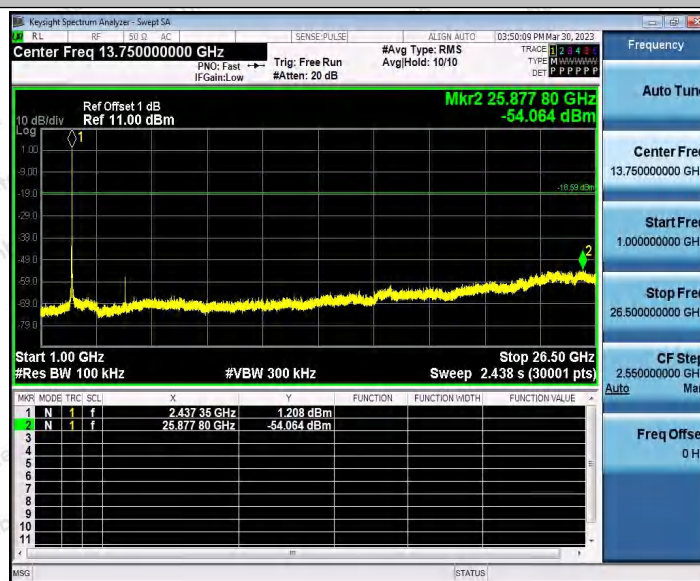
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

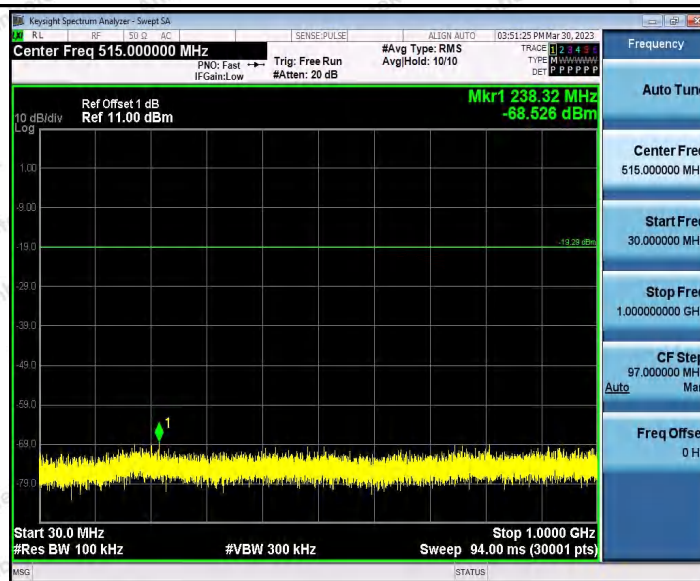
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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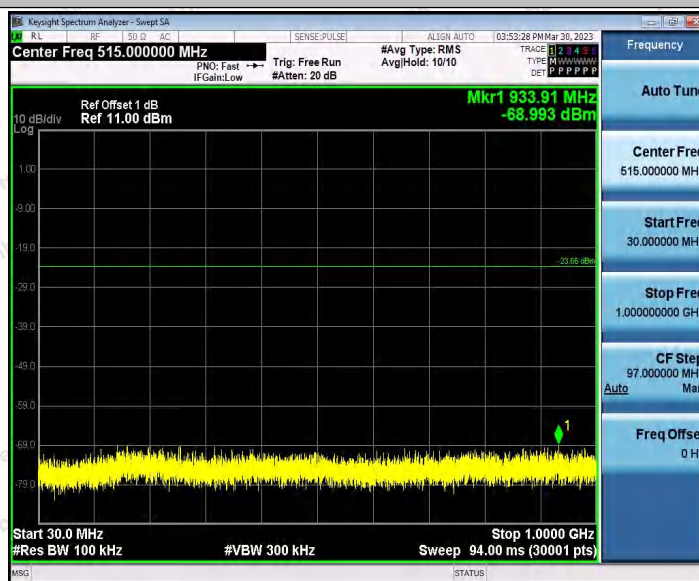
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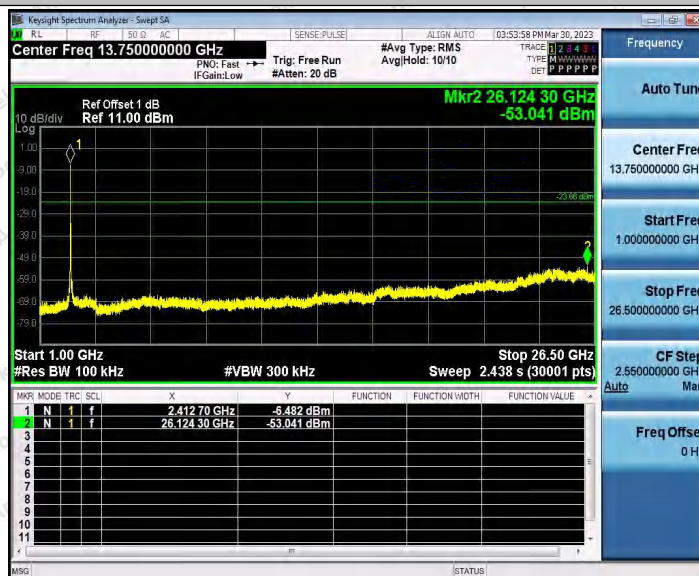
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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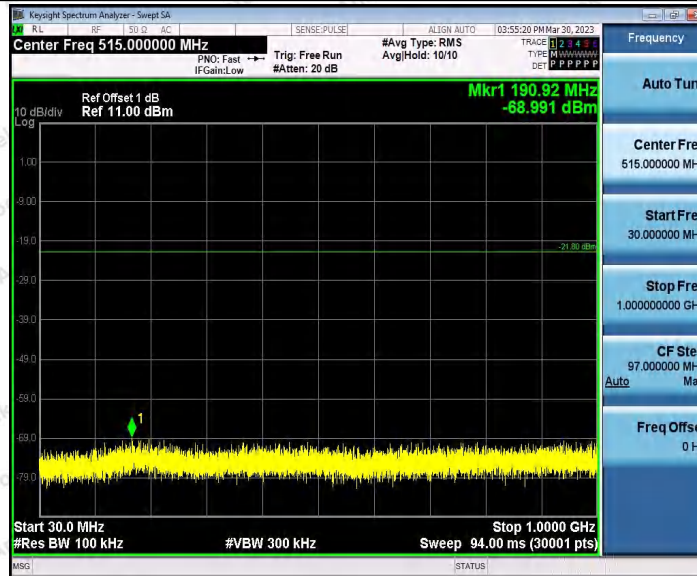


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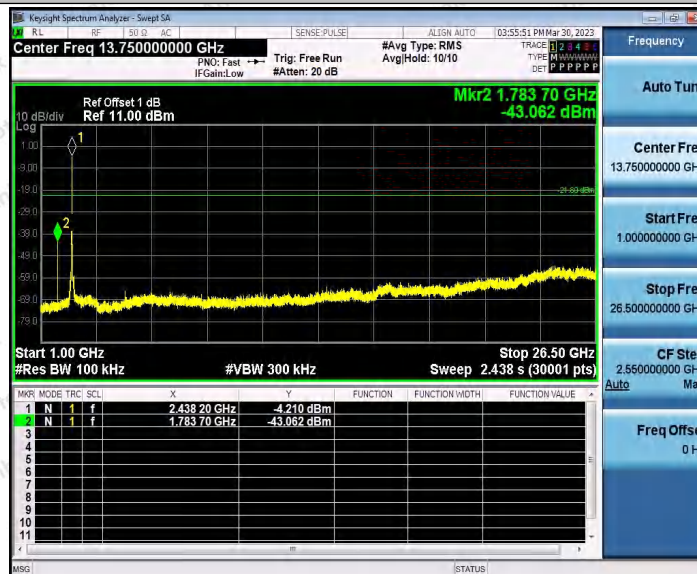




11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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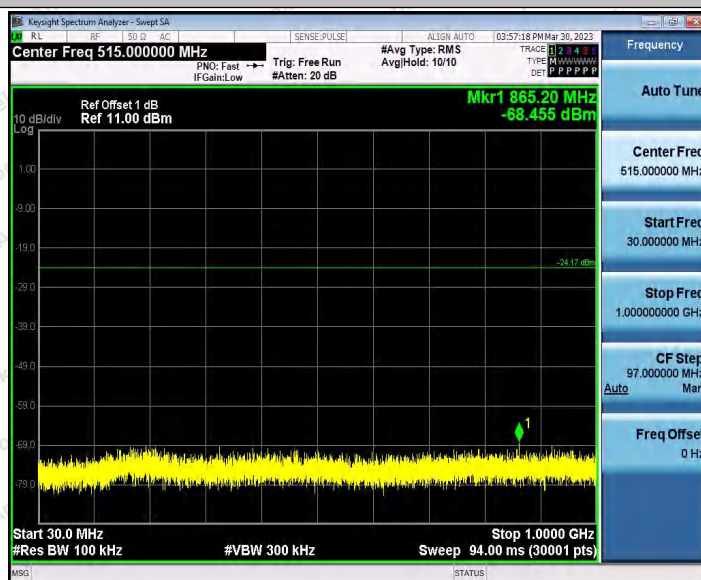
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

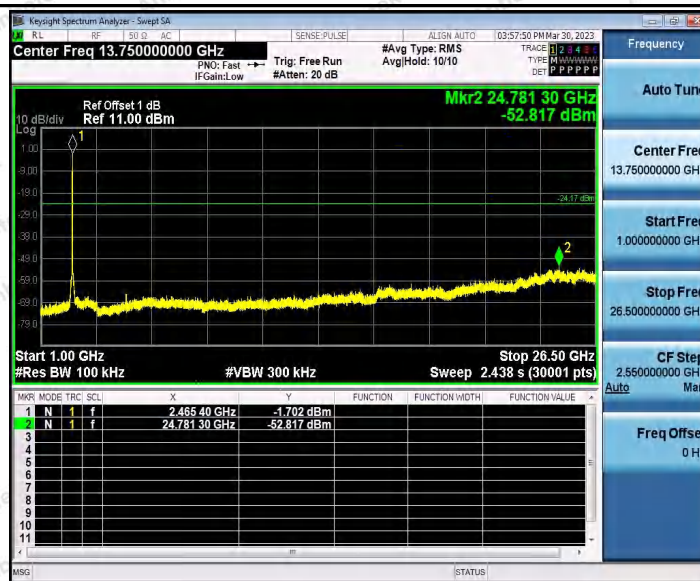
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11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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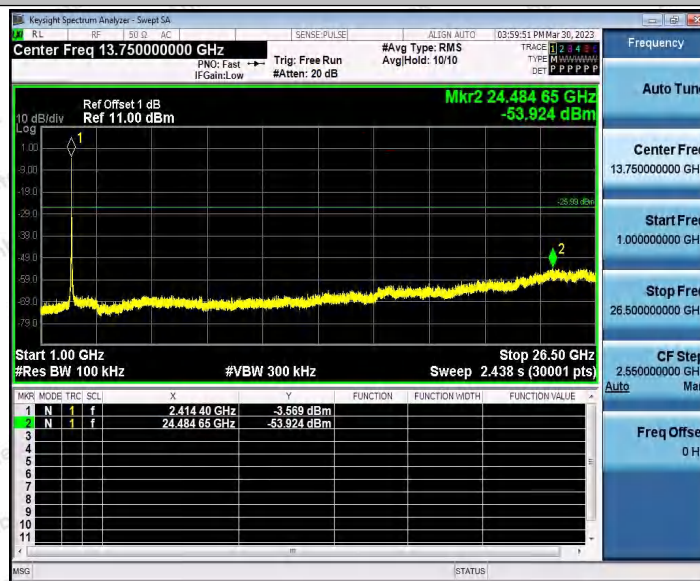
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

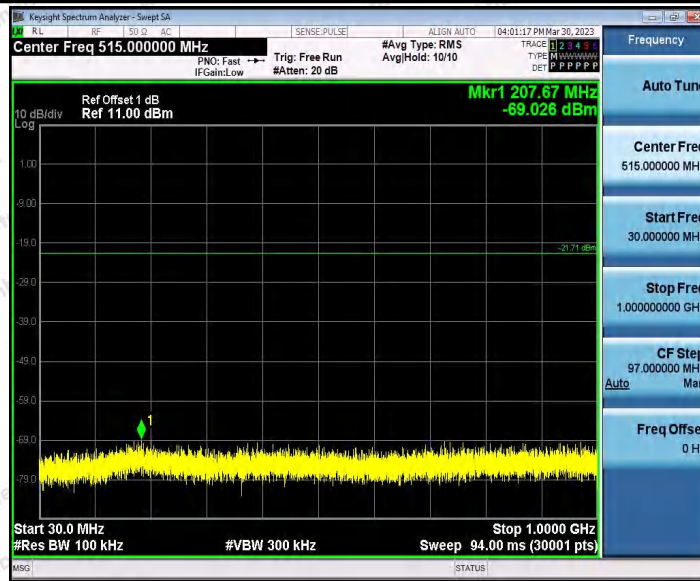
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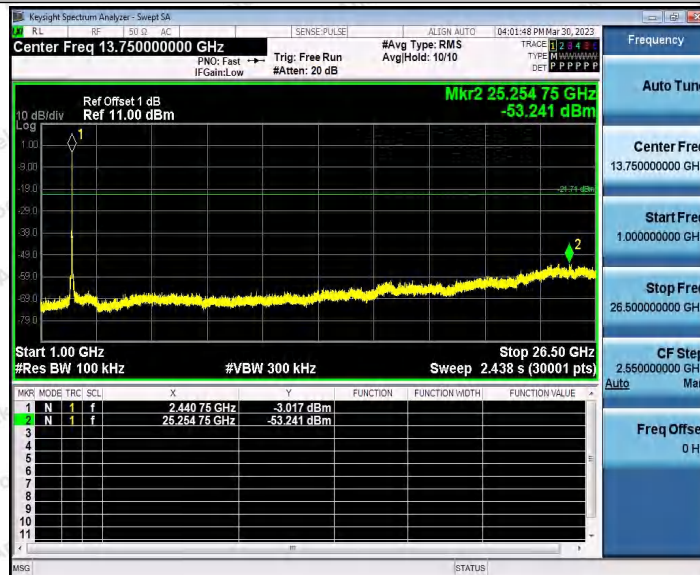


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



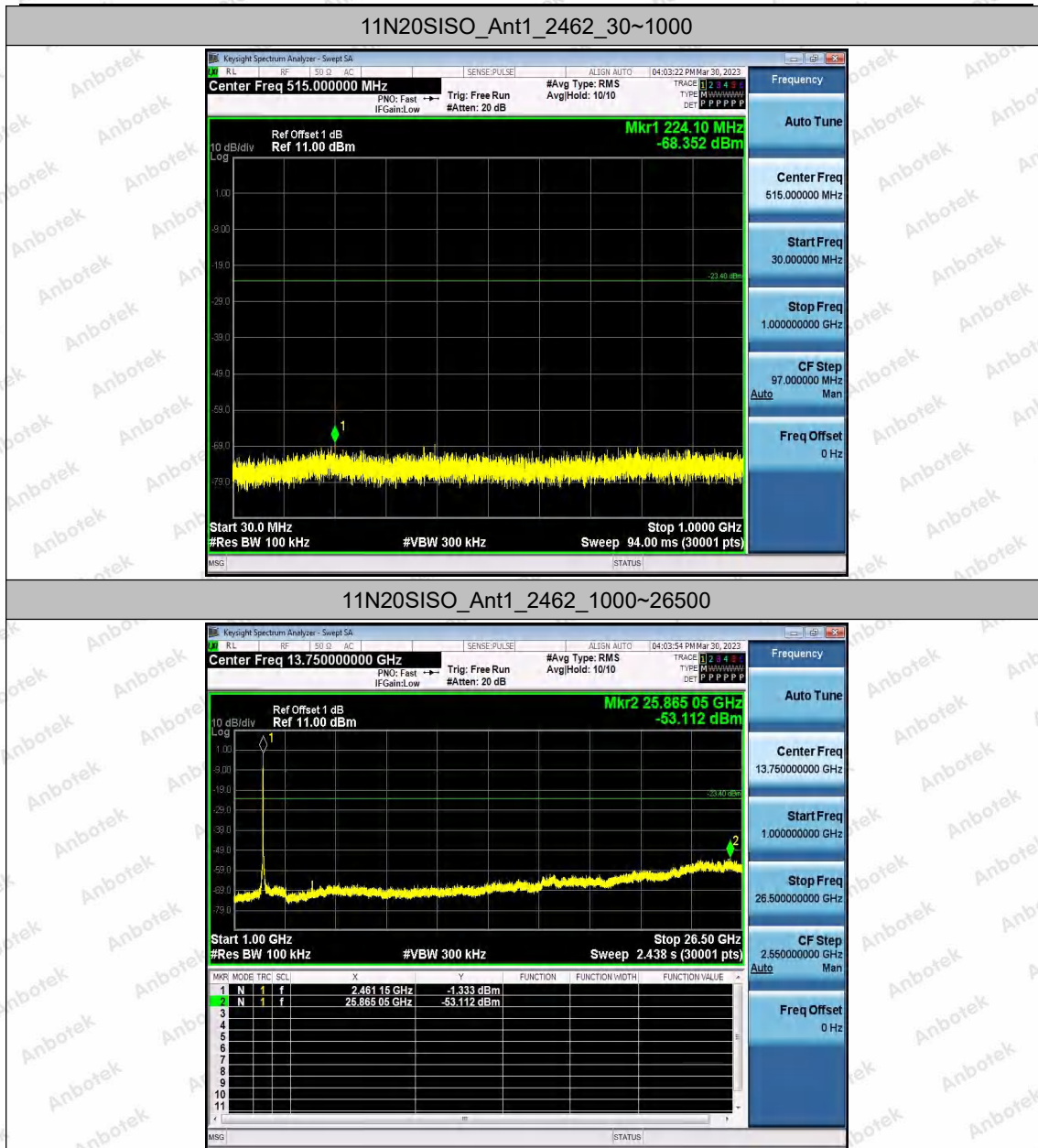
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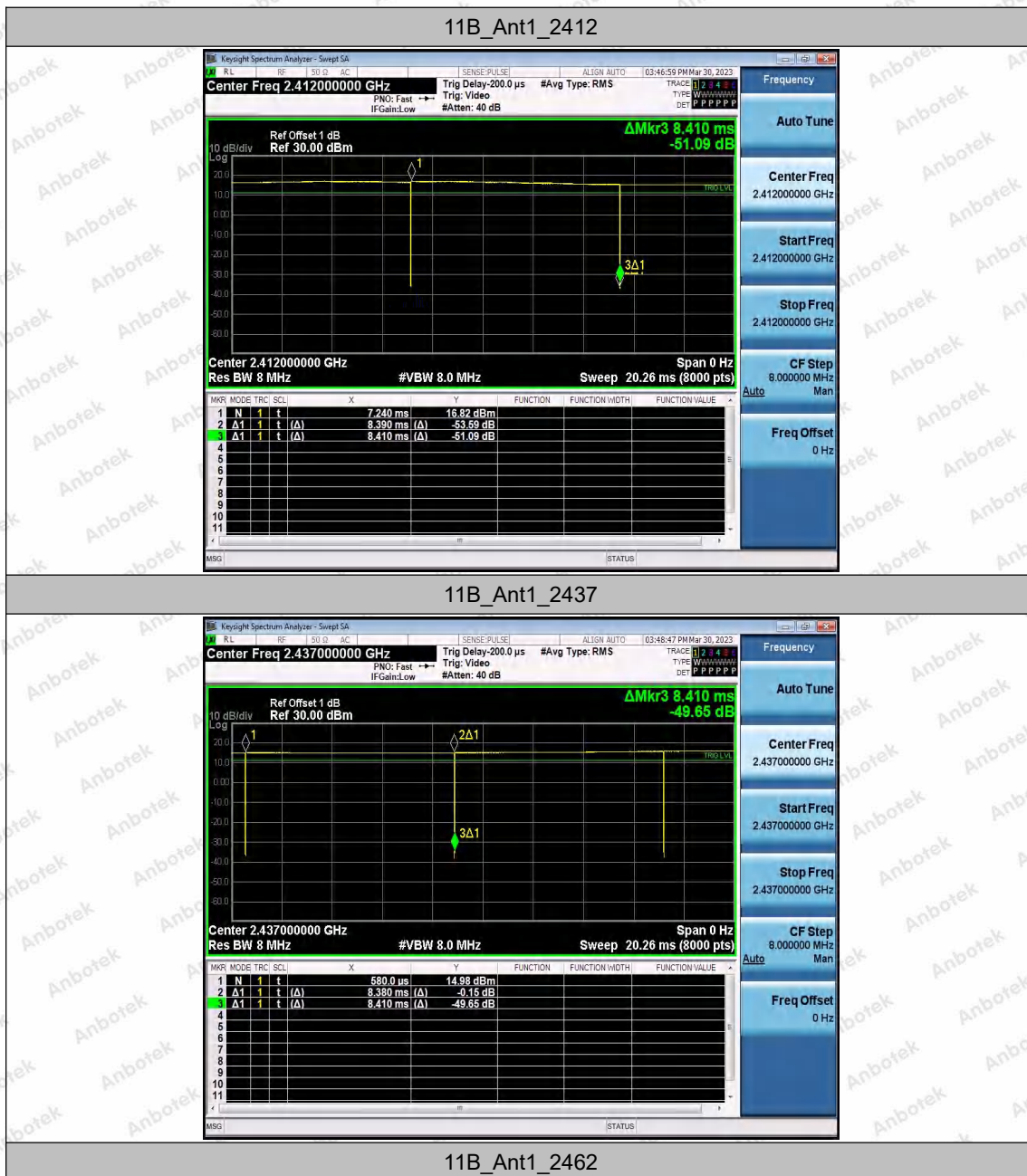
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.41	99.76	0.01
		2437	8.38	8.41	99.64	0.02
		2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.39	2.82	49.29	3.07
		2437	1.39	1.43	97.20	0.12
		2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13
		2437	1.30	1.34	97.01	0.13
		2462	1.30	1.34	97.01	0.13



Test Graphs



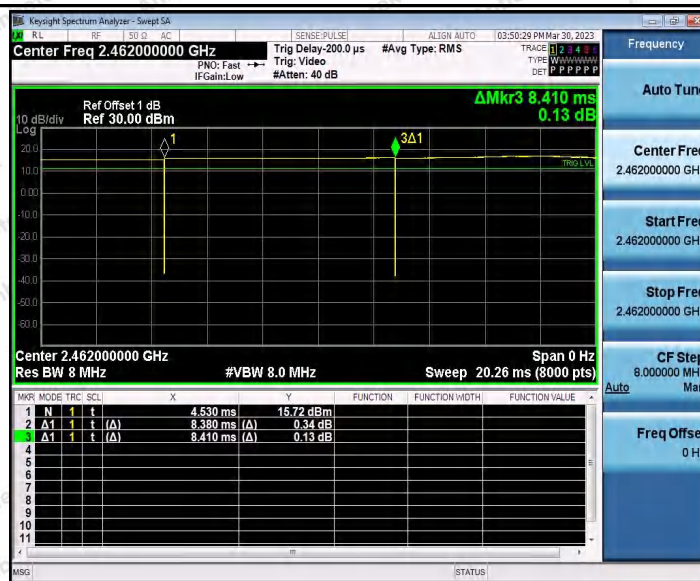
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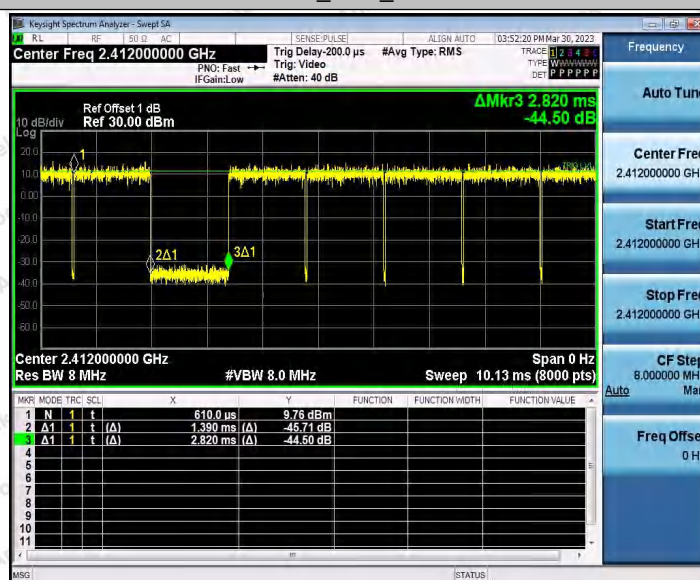


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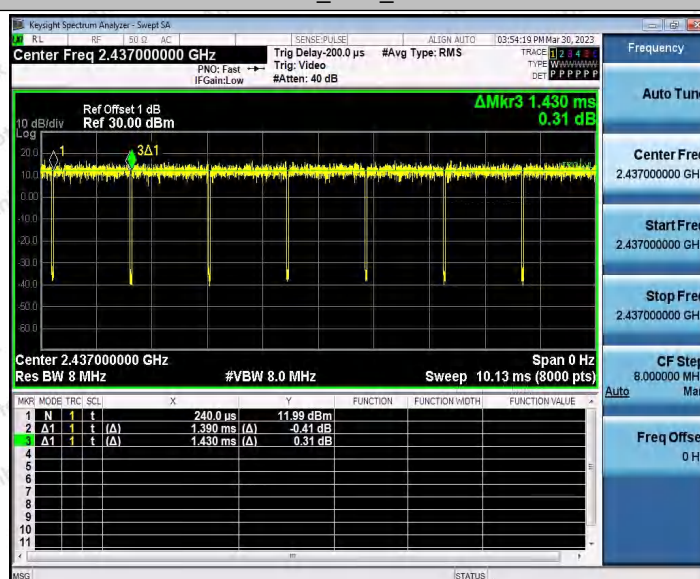




11G_Ant1_2412



11G_Ant1_2437



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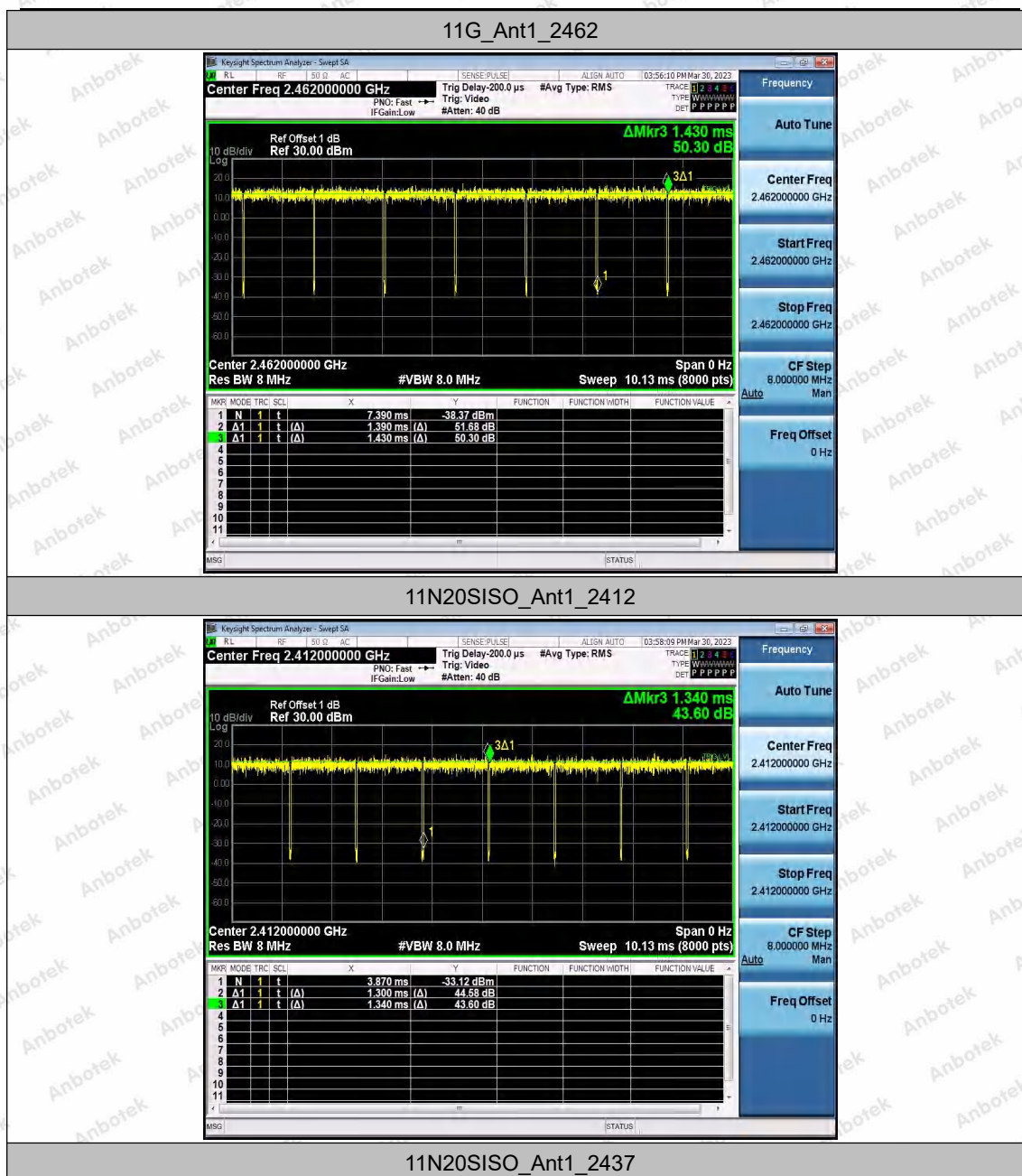


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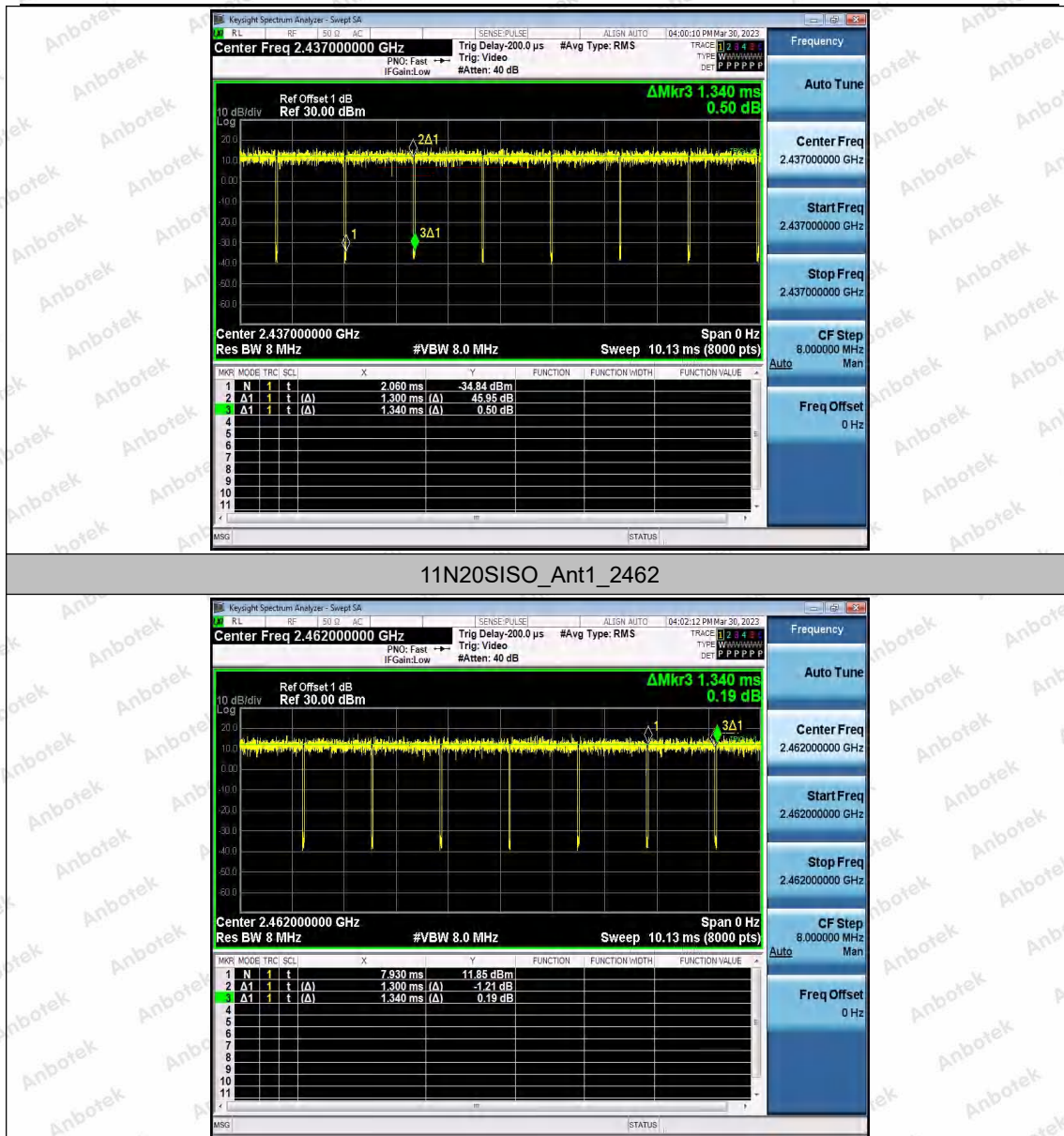
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