

Appendix Test Data

Report No.:	18220WC30025002	Test Sample No.:	1-2-2
Start Test Date:	2023.02.20	Finish Test Date:	2023.02.21
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.1℃	Relative Humidity:	41%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.000	2407.520	2416.520	≥0.5	PASS
		2437	8.560	2432.960	2441.520	≥0.5	PASS
		2462	8.480	2458.000	2466.480	≥0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.600	2403.200	2420.800	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.080	2453.480	2470.560	≥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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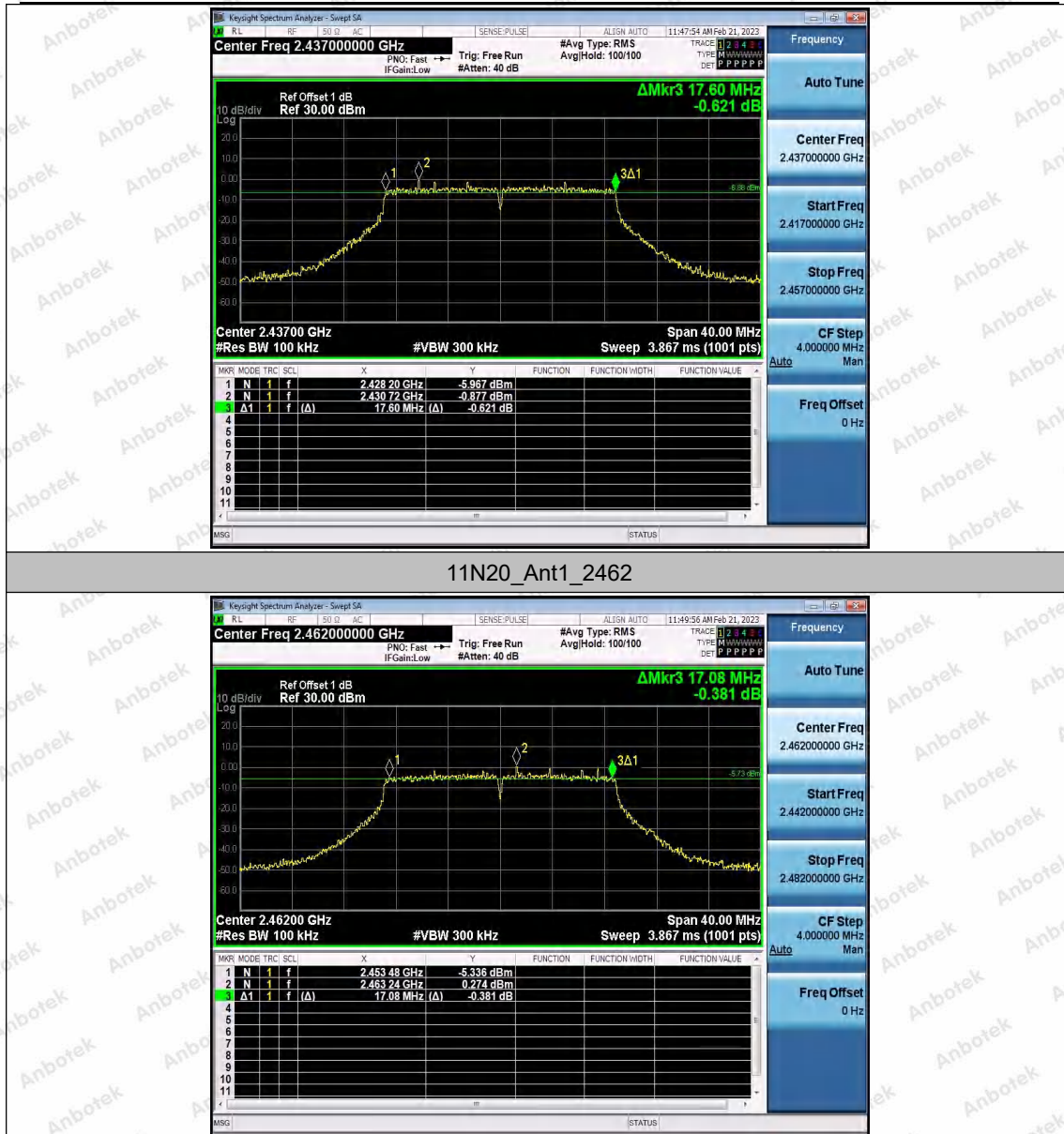


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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.062	2404.9831	2419.0451
		2437	14.066	2429.9811	2444.0471
		2462	14.061	2454.9838	2469.0448
11G	Ant1	2412	17.179	2403.4271	2420.6061
		2437	17.433	2428.3370	2445.7700
		2462	17.114	2453.4592	2470.5732
11N20	Ant1	2412	18.305	2402.9259	2421.2309
		2437	18.199	2427.9306	2446.1296
		2462	18.253	2452.9292	2471.1822



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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11N20_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	17.39	≤30.00
		2437	17.58	≤30.00
		2462	17.82	≤30.00
11G	Ant1	2412	17.90	≤30.00
		2437	18.19	≤30.00
		2462	18.46	≤30.00
11N20	Ant1	2412	17.85	≤30.00
		2437	18.17	≤30.00
		2462	18.34	≤30.00



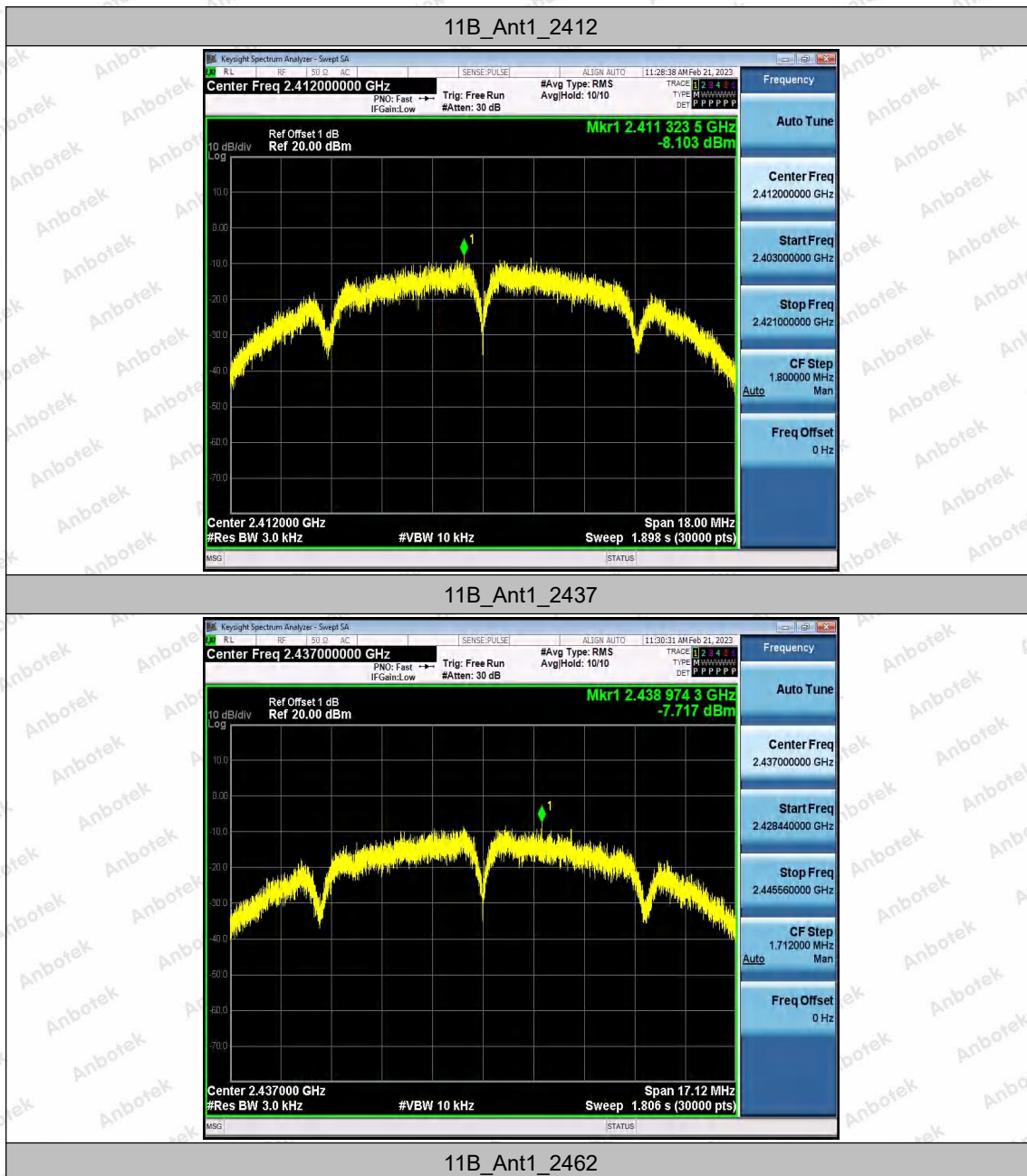
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.10	≤8.00	PASS
		2437	-7.72	≤8.00	PASS
		2462	-6.88	≤8.00	PASS
11G	Ant1	2412	-14.35	≤8.00	PASS
		2437	-14.15	≤8.00	PASS
		2462	-14.9	≤8.00	PASS
11N20	Ant1	2412	-14.53	≤8.00	PASS
		2437	-13.79	≤8.00	PASS
		2462	-13.99	≤8.00	PASS



Test Graphs



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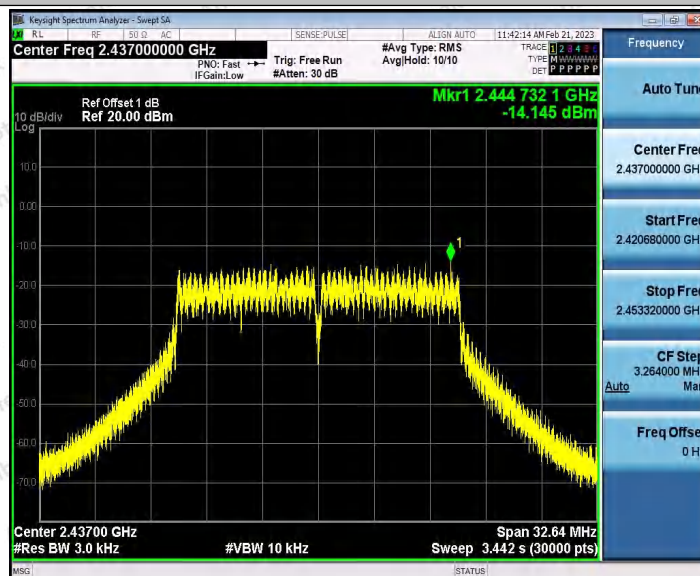




11G_Ant1_2412



11G_Ant1_2437



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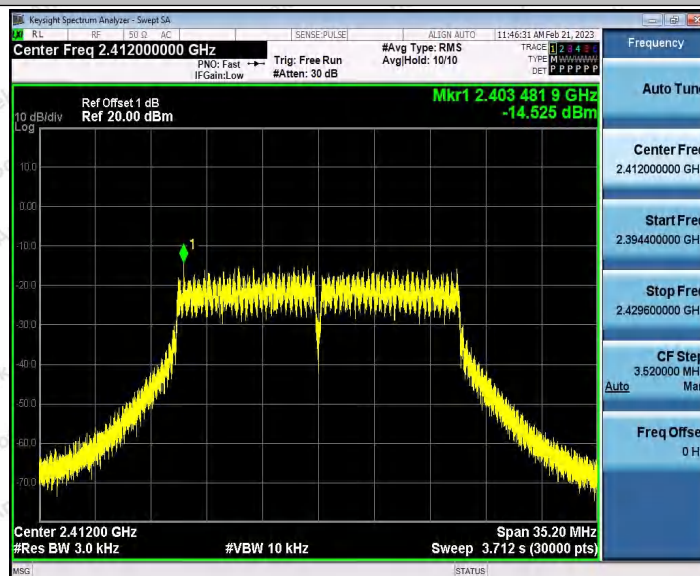
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

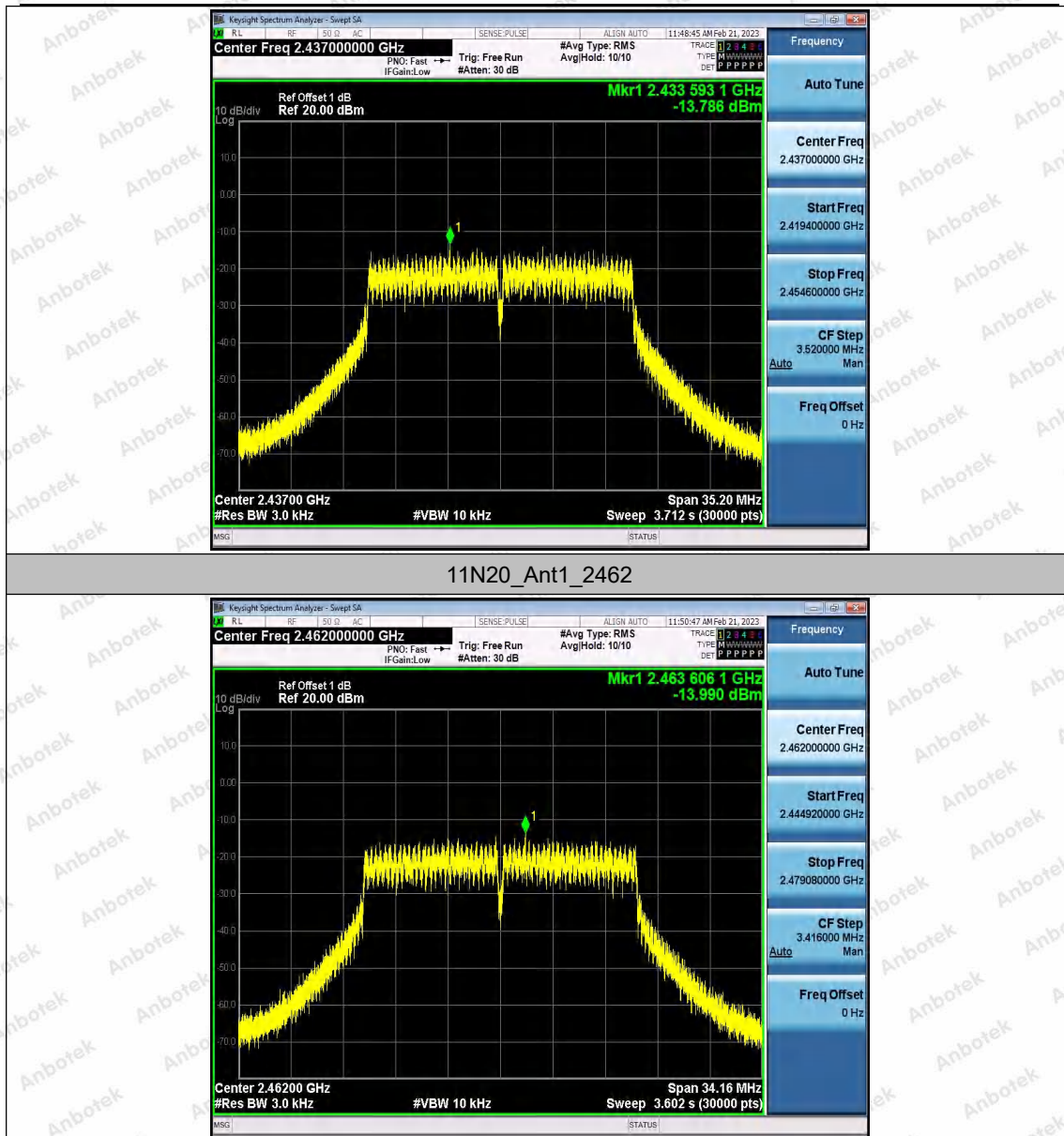
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Appendix E: Band edge measurements

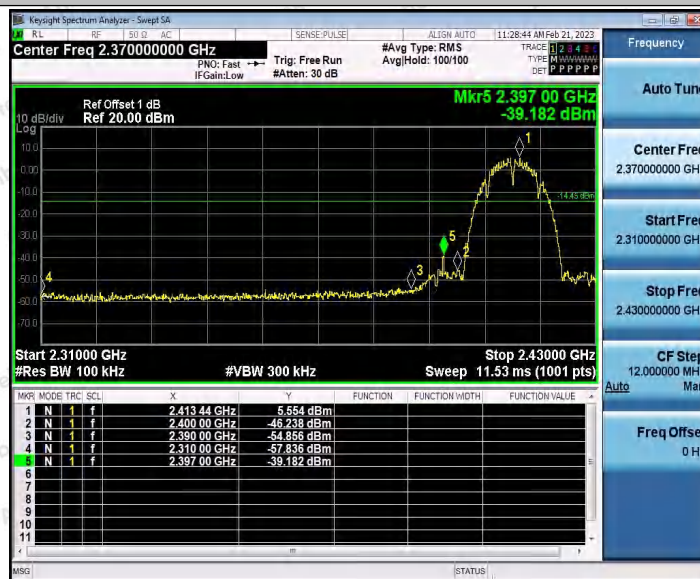
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.55	-39.18	≤-14.45	PASS
		High	2462	6.02	-52.93	≤-13.98	PASS
11G	Ant1	Low	2412	-0.43	-35.25	≤-20.43	PASS
		High	2462	0.35	-52.47	≤-19.65	PASS
11N20	Ant1	Low	2412	-1.48	-35.35	≤-21.48	PASS
		High	2462	0.28	-51.33	≤-19.73	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20_Ant1_Low_2412



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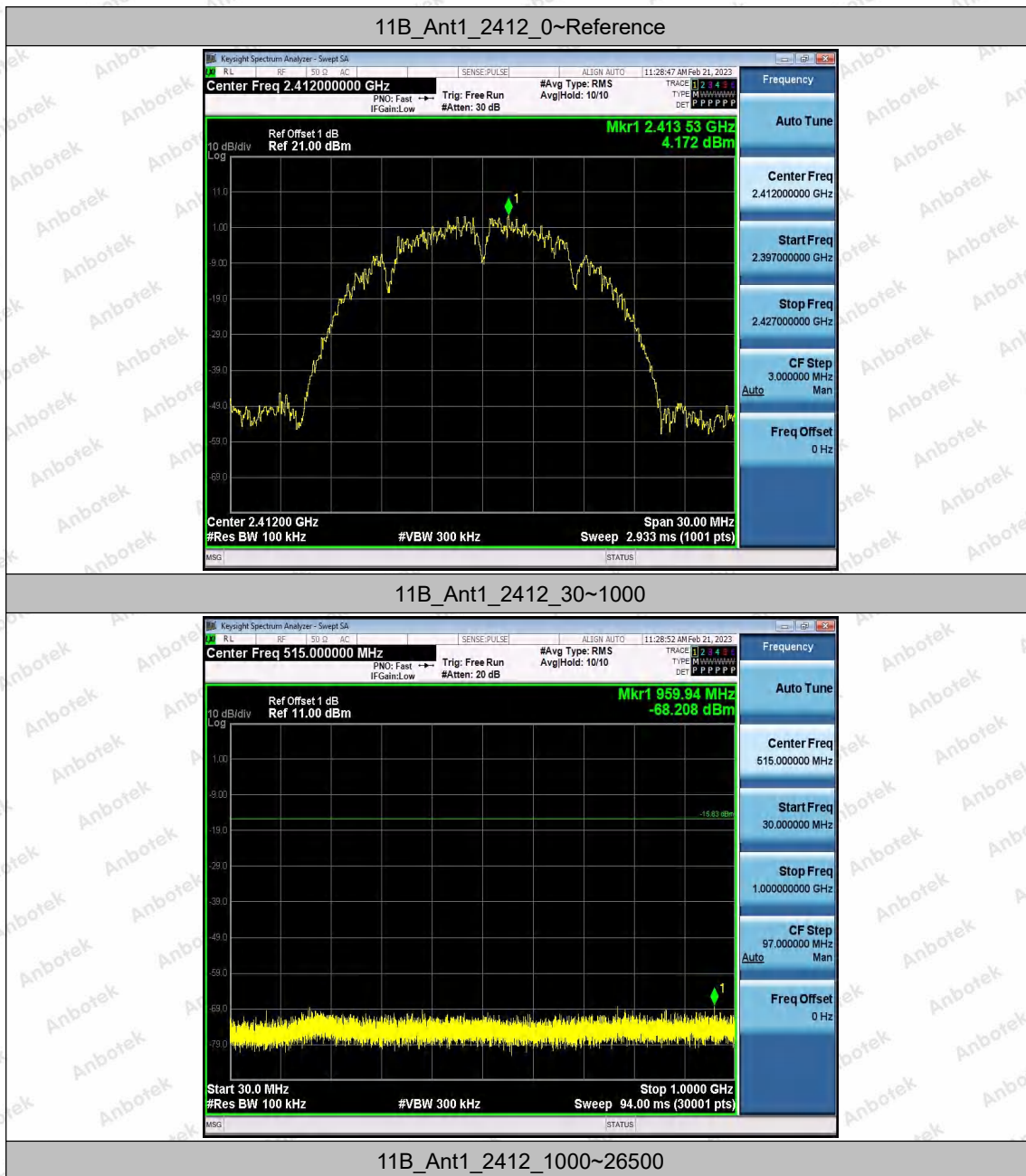
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.17	4.17	---	PASS
			30~1000	4.17	-68.21	≤-15.83	PASS
			1000~26500	4.17	-50.72	≤-15.83	PASS
		2437	Reference	4.96	4.96	---	PASS
			30~1000	4.96	-67.19	≤-15.04	PASS
			1000~26500	4.96	-52.5	≤-15.04	PASS
		2462	Reference	4.28	4.28	---	PASS
			30~1000	4.28	-68.04	≤-15.72	PASS
			1000~26500	4.28	-53.56	≤-15.72	PASS
11G	Ant1	2412	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-67.01	≤-21.23	PASS
			1000~26500	-1.23	-53.05	≤-21.23	PASS
		2437	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-68.11	≤-22.34	PASS
			1000~26500	-2.34	-53.4	≤-22.34	PASS
		2462	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-67.61	≤-21.18	PASS
			1000~26500	-1.18	-53.02	≤-21.18	PASS
11N20	Ant1	2412	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-68.51	≤-21.82	PASS
			1000~26500	-1.82	-52.93	≤-21.82	PASS
		2437	Reference	-3.48	-3.48	---	PASS
			30~1000	-3.48	-67.83	≤-23.48	PASS
			1000~26500	-3.48	-53.29	≤-23.48	PASS
		2462	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-68.73	≤-20.49	PASS
			1000~26500	-0.49	-53.56	≤-20.49	PASS



Test Graphs



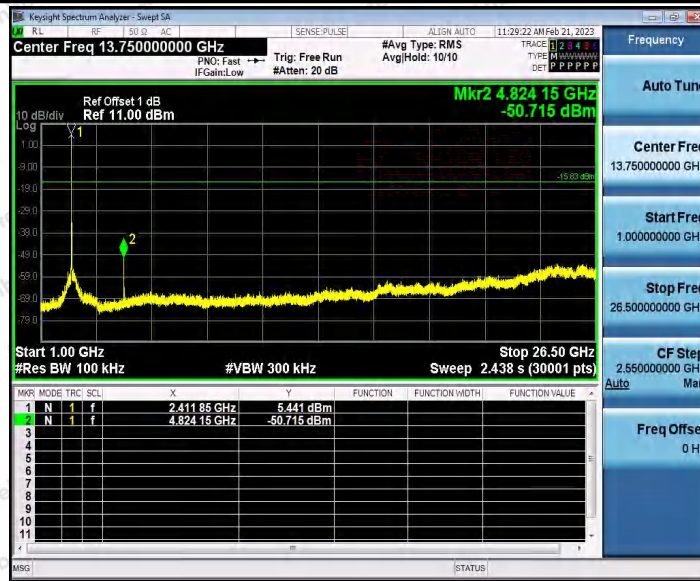
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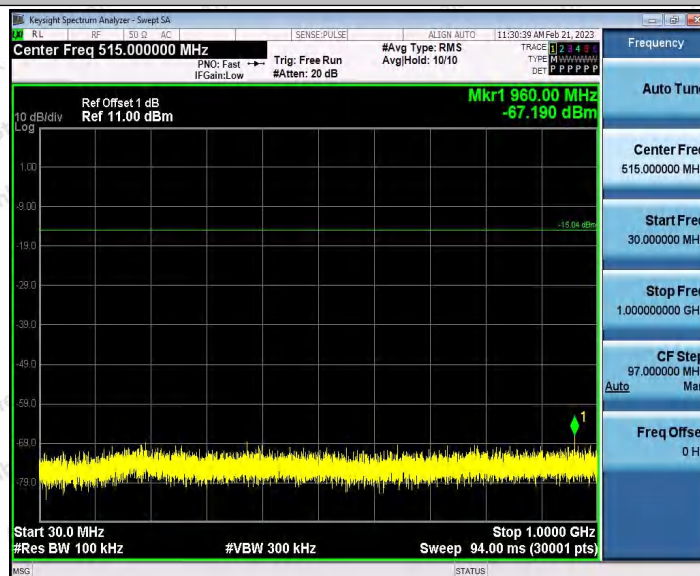




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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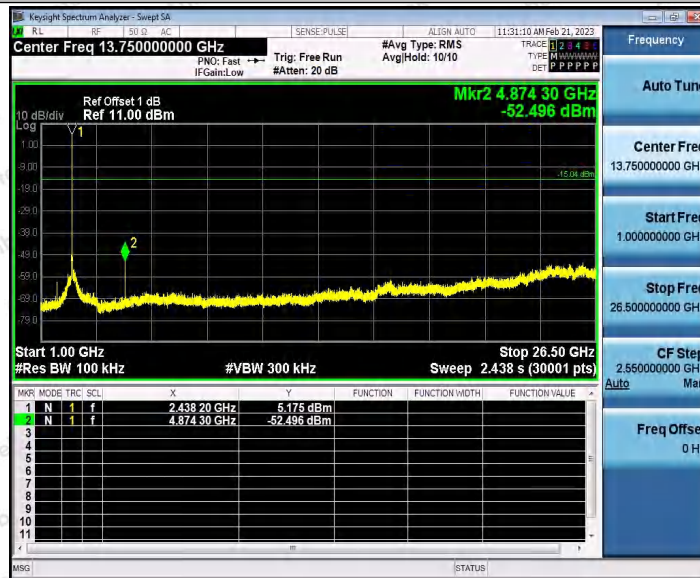
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

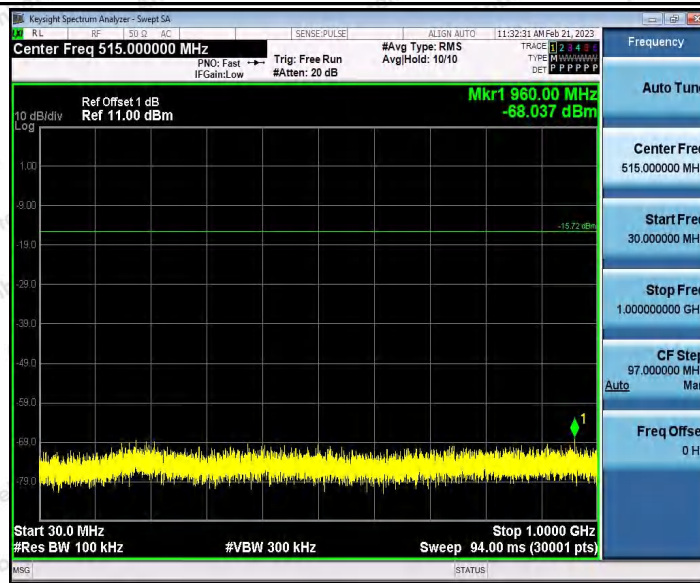
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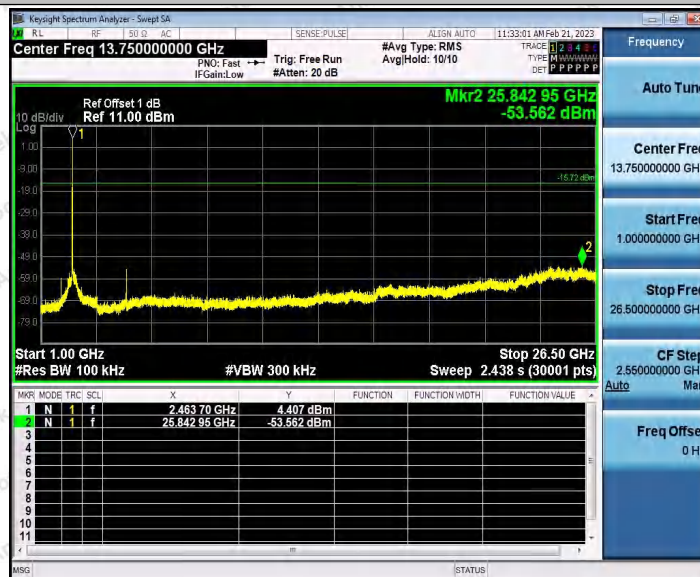


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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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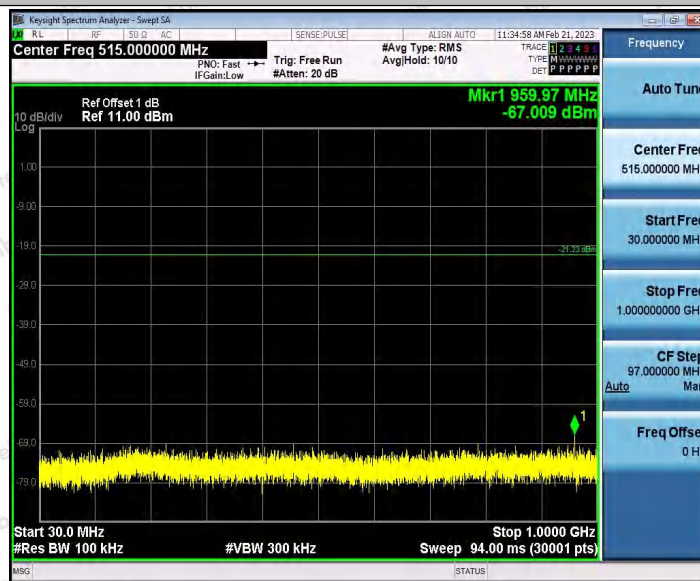
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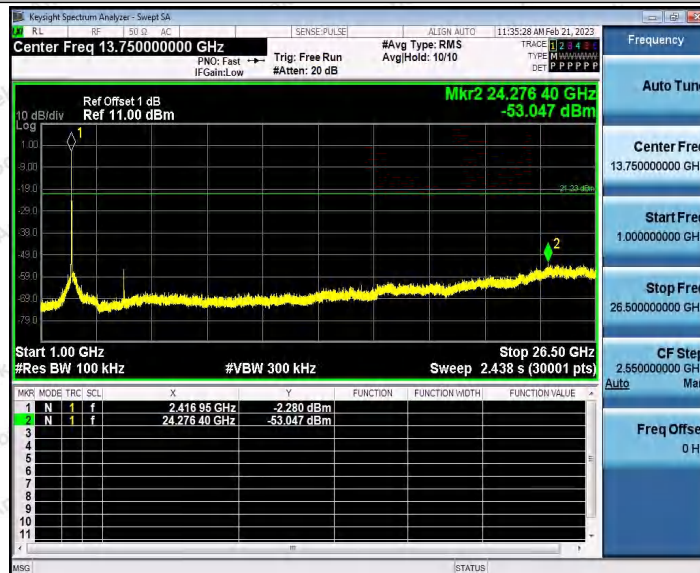
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

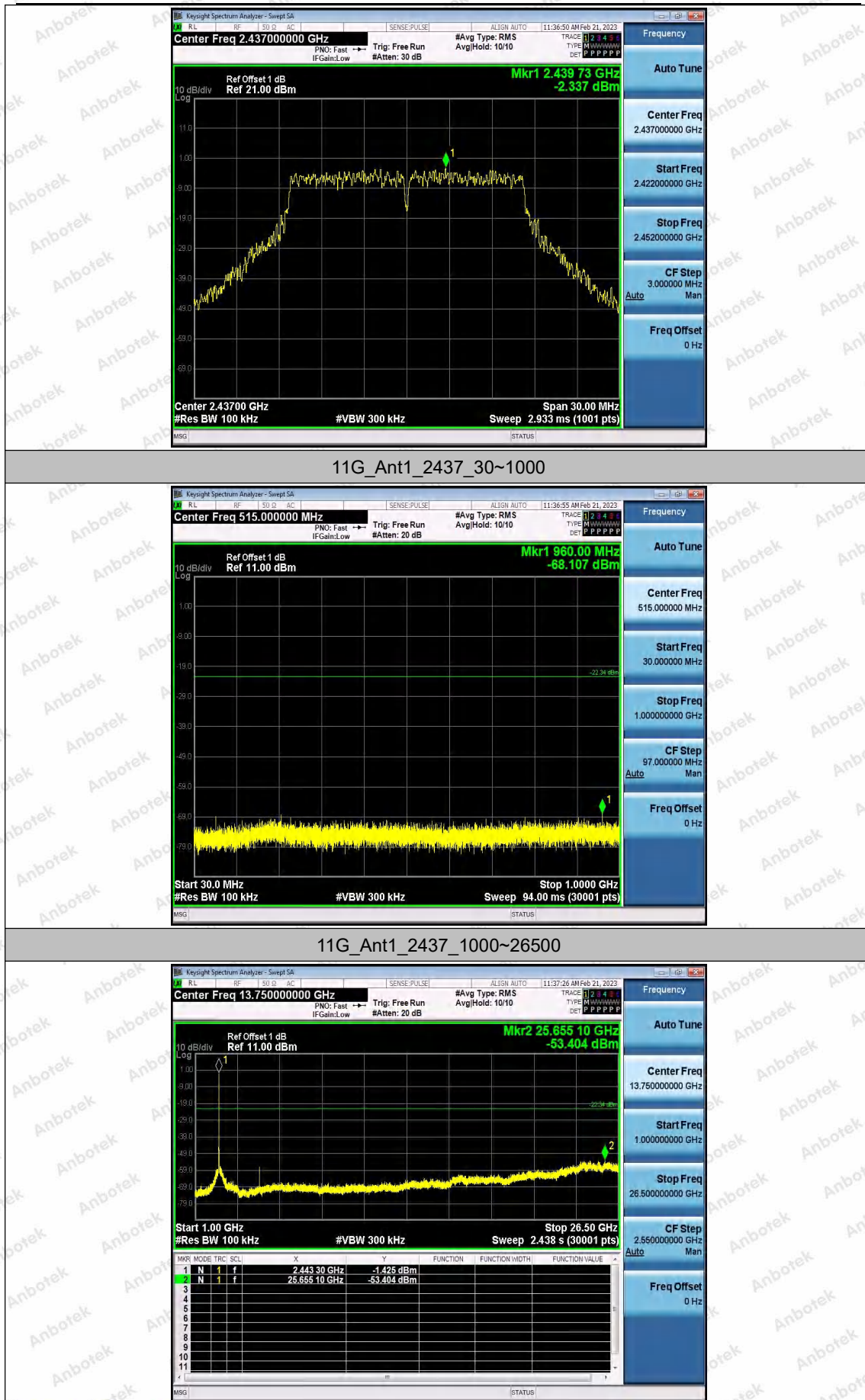
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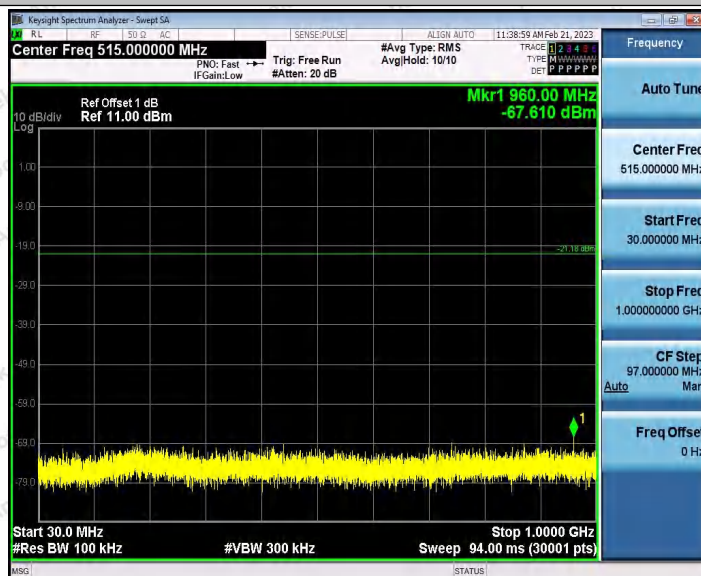


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11G Ant1 2462 30~1000



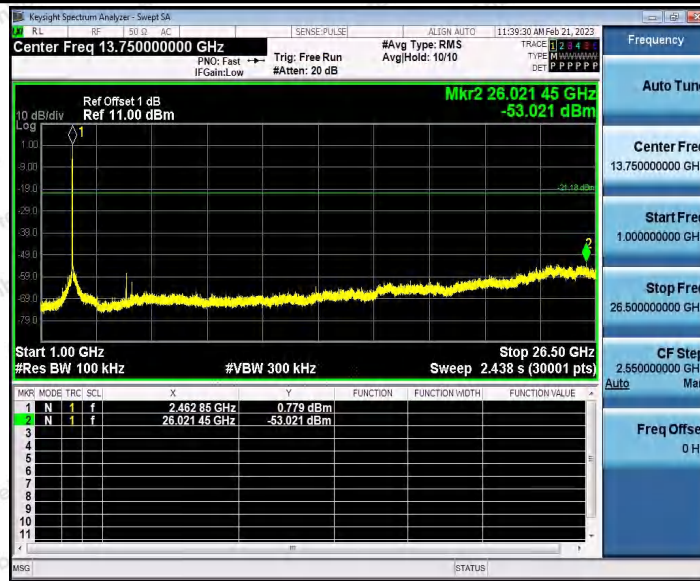
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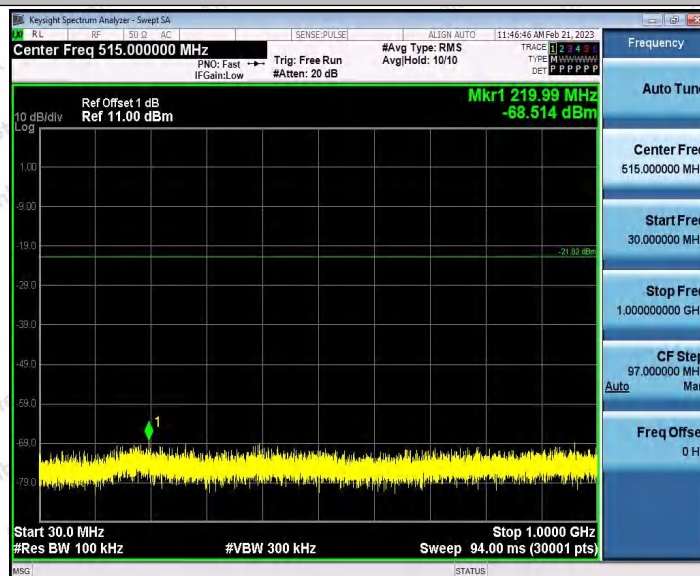




11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



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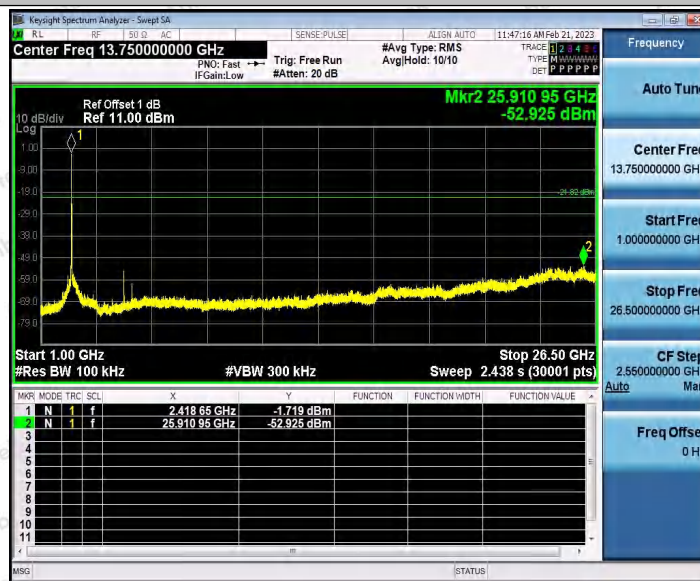
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000

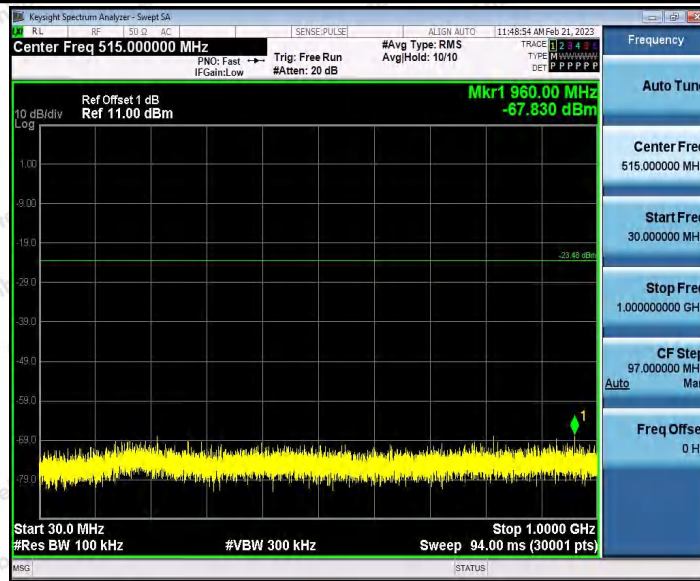
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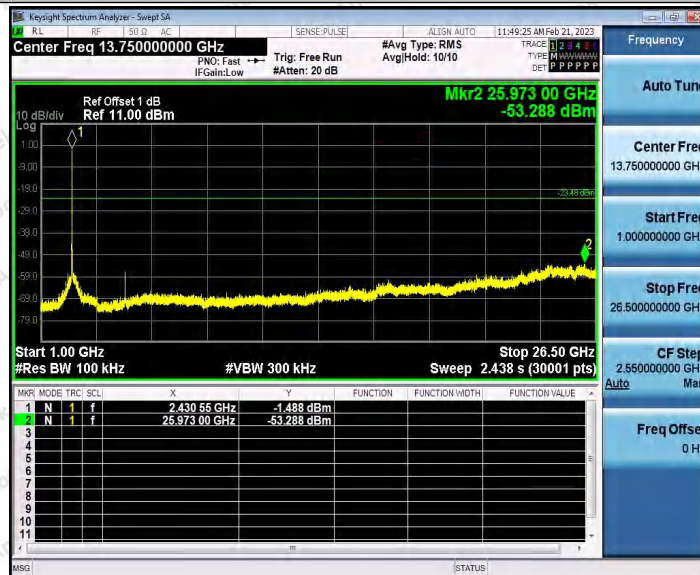


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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference



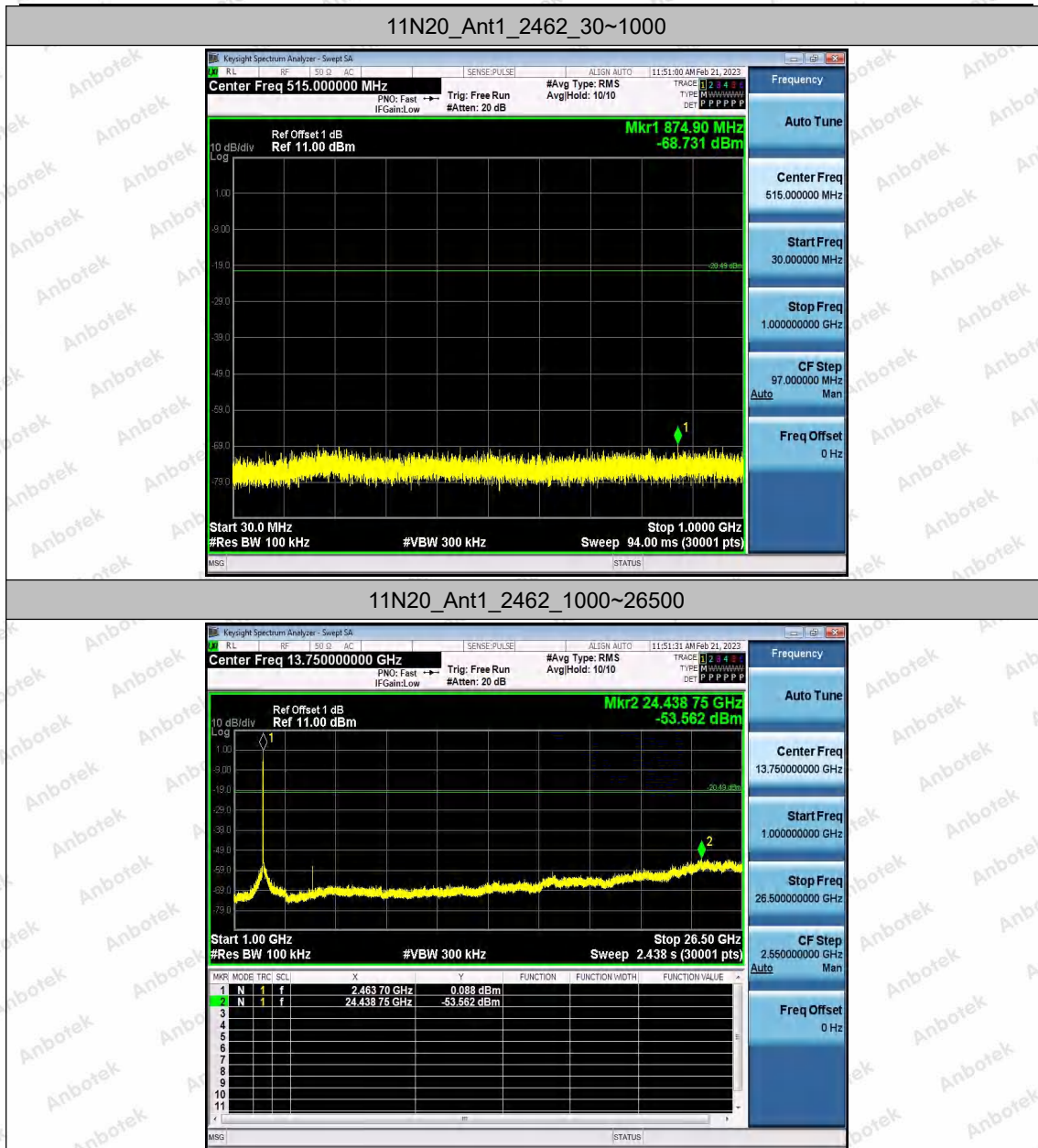
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Appendix G: Duty Cycle

Test Result

TestMode	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	12.41	12.55	98.88	0.05
11G	Ant1	2412	2.06	2.19	94.06	0.27
		2437	2.07	2.20	94.09	0.26
		2462	2.06	2.19	94.06	0.27
11N20	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

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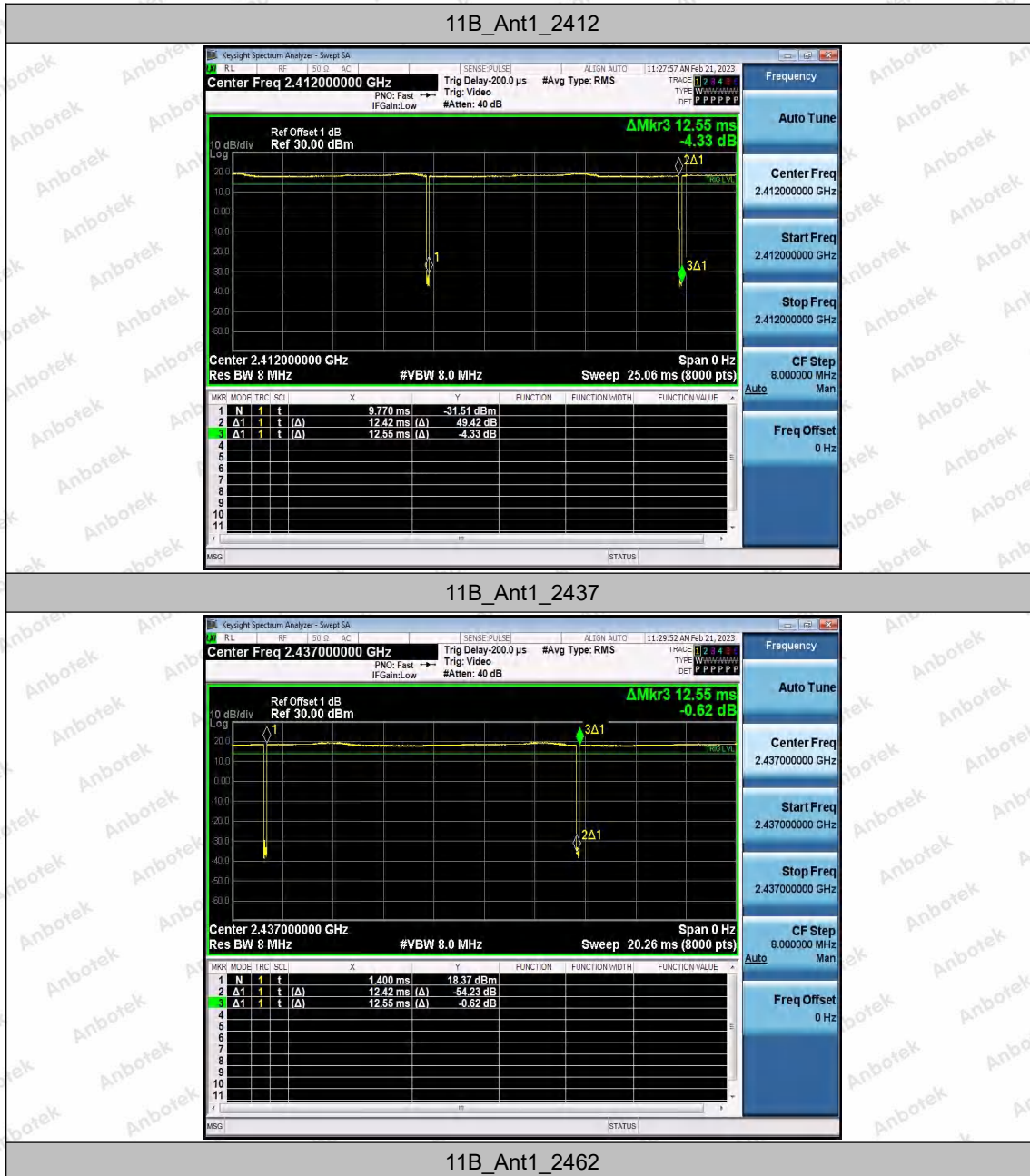
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Test Graphs



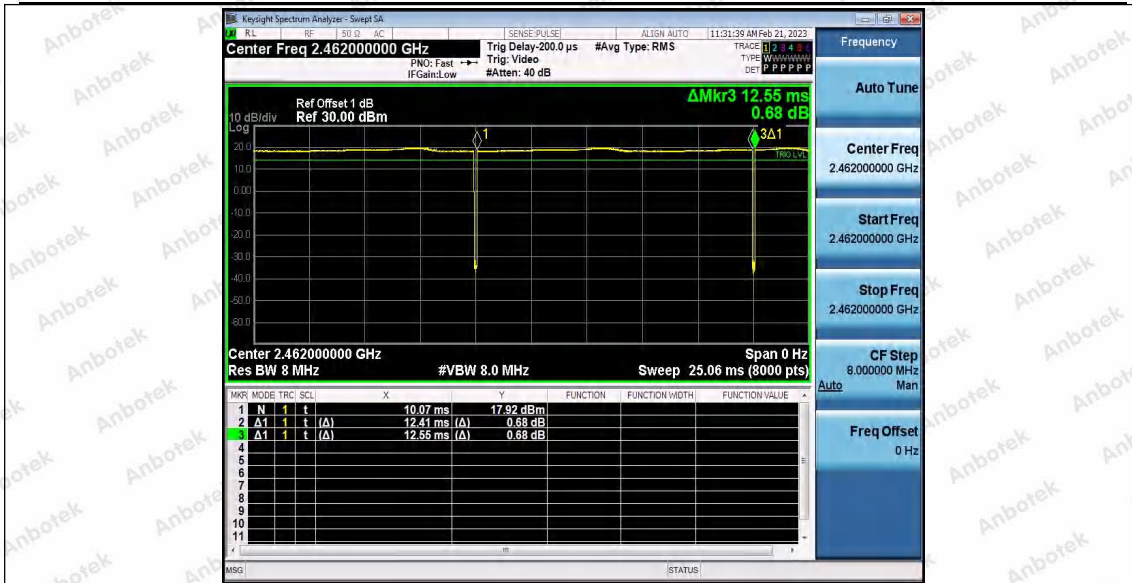
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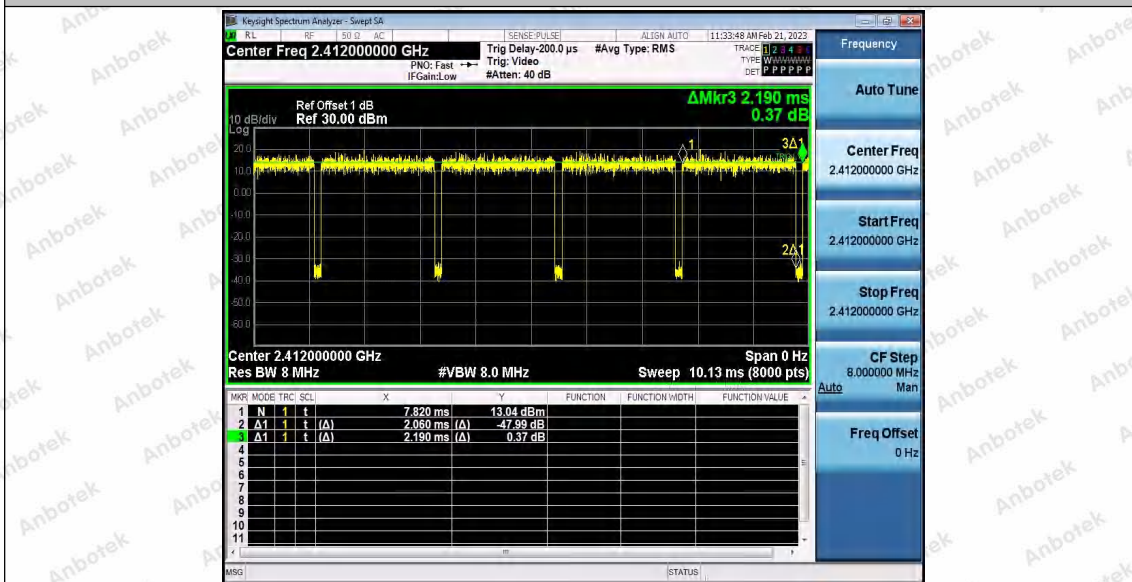


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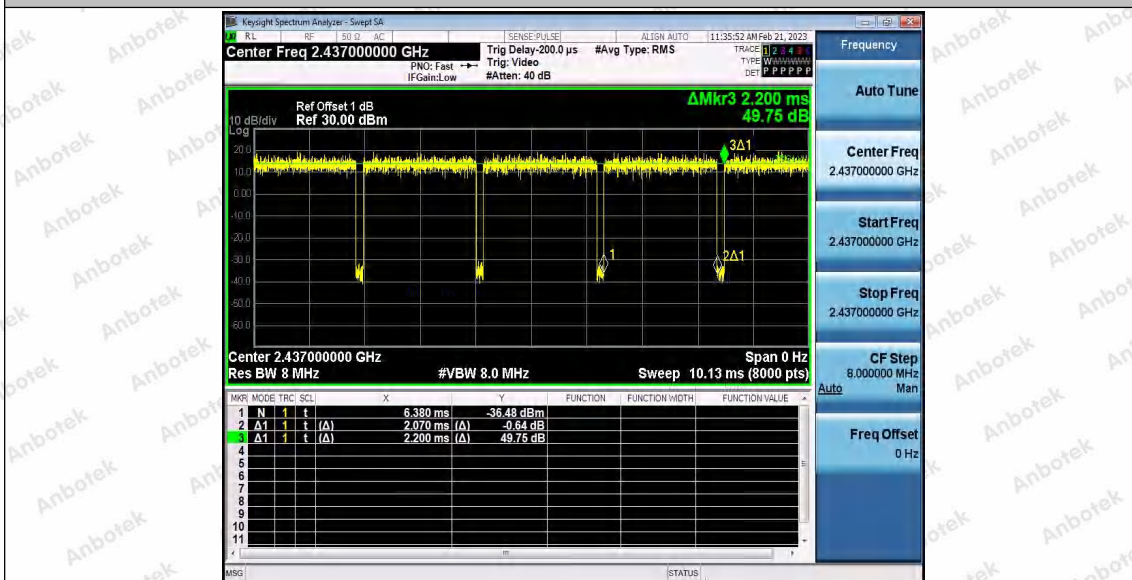




11G_Ant1_2412



11G_Ant1_2437

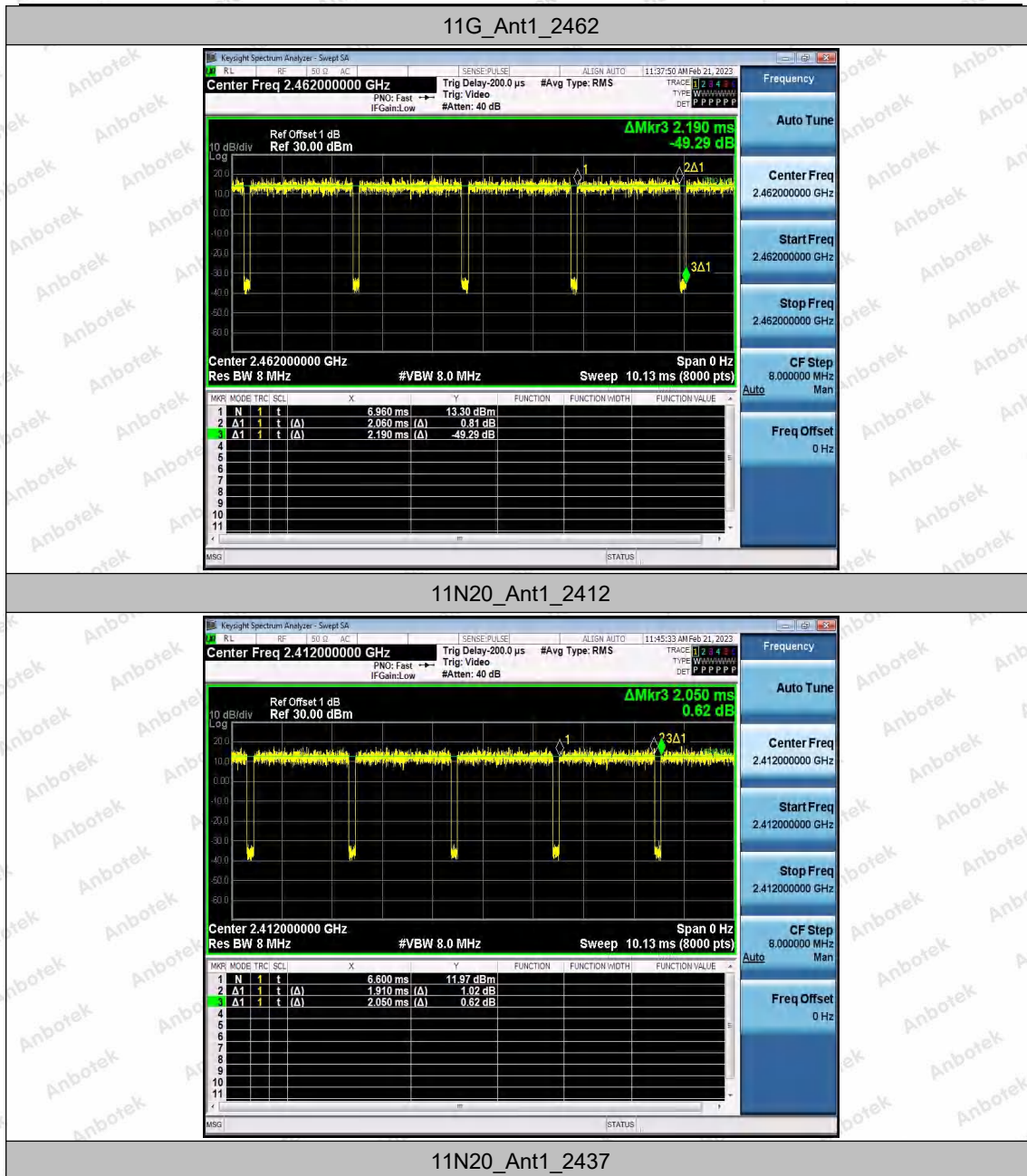


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