

Appendix Test Data

Report No.:	18220WC20221701	Test Sample No.:	1-2-2
Start Test Date:	2022.9.19	Finish Test Date:	2022.9.22
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
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	9.600	2407.000	2416.600	≥0.5	PASS
		2437	9.560	2432.480	2442.040	≥0.5	PASS
		2462	9.960	2457.120	2467.080	≥0.5	PASS
11G	Ant1	2412	16.400	2403.840	2420.240	≥0.5	PASS
		2437	16.400	2428.800	2445.200	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.600	2403.240	2420.840	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.600	2453.200	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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11G_Ant1_2462



11N20_Ant1_2412

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11N20_Ant1_2437



11N20_Ant1_2462

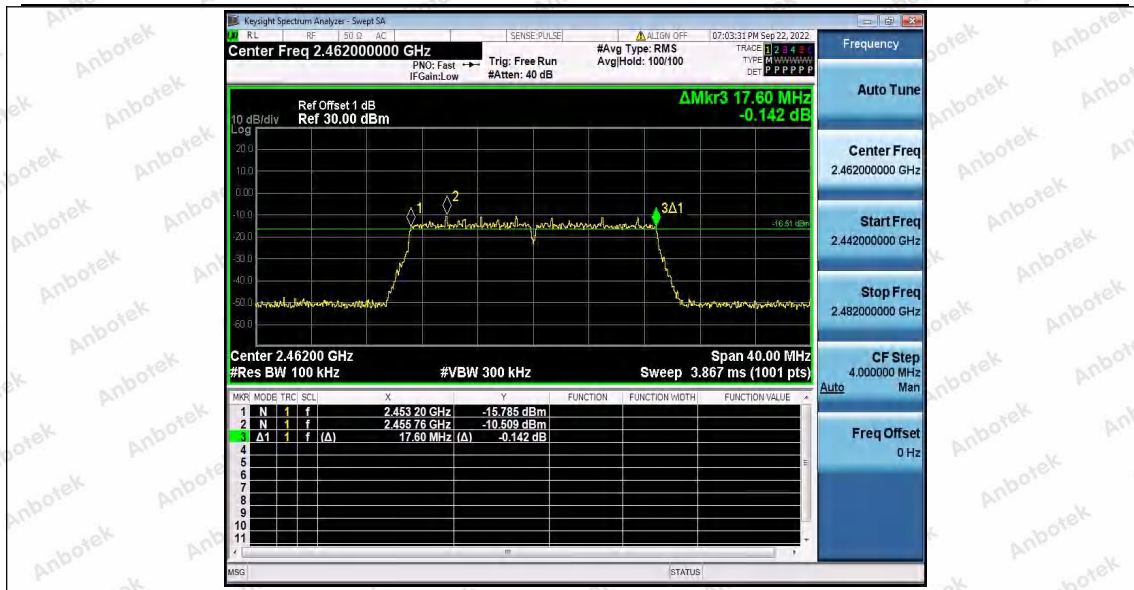
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.338	2404.8722	2419.2102
		2437	14.355	2429.8327	2444.1877
		2462	14.300	2454.8533	2469.1533
11G	Ant1	2412	17.040	2403.5246	2420.5646
		2437	17.147	2428.4666	2445.6136
		2462	17.080	2453.4987	2470.5787
11N20	Ant1	2412	17.984	2403.0423	2421.0263
		2437	17.967	2428.0450	2446.0120
		2462	17.978	2453.0274	2471.0054



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437

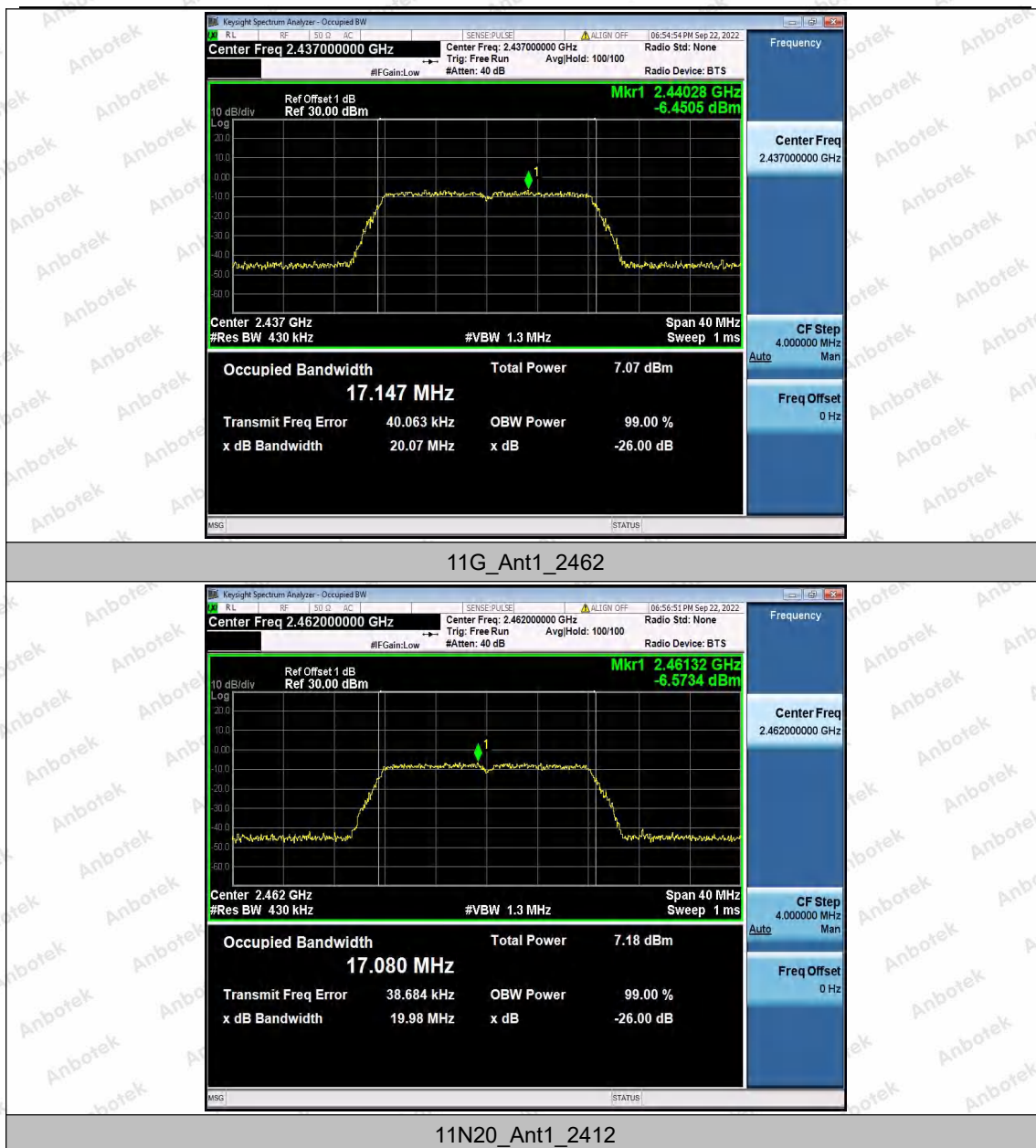
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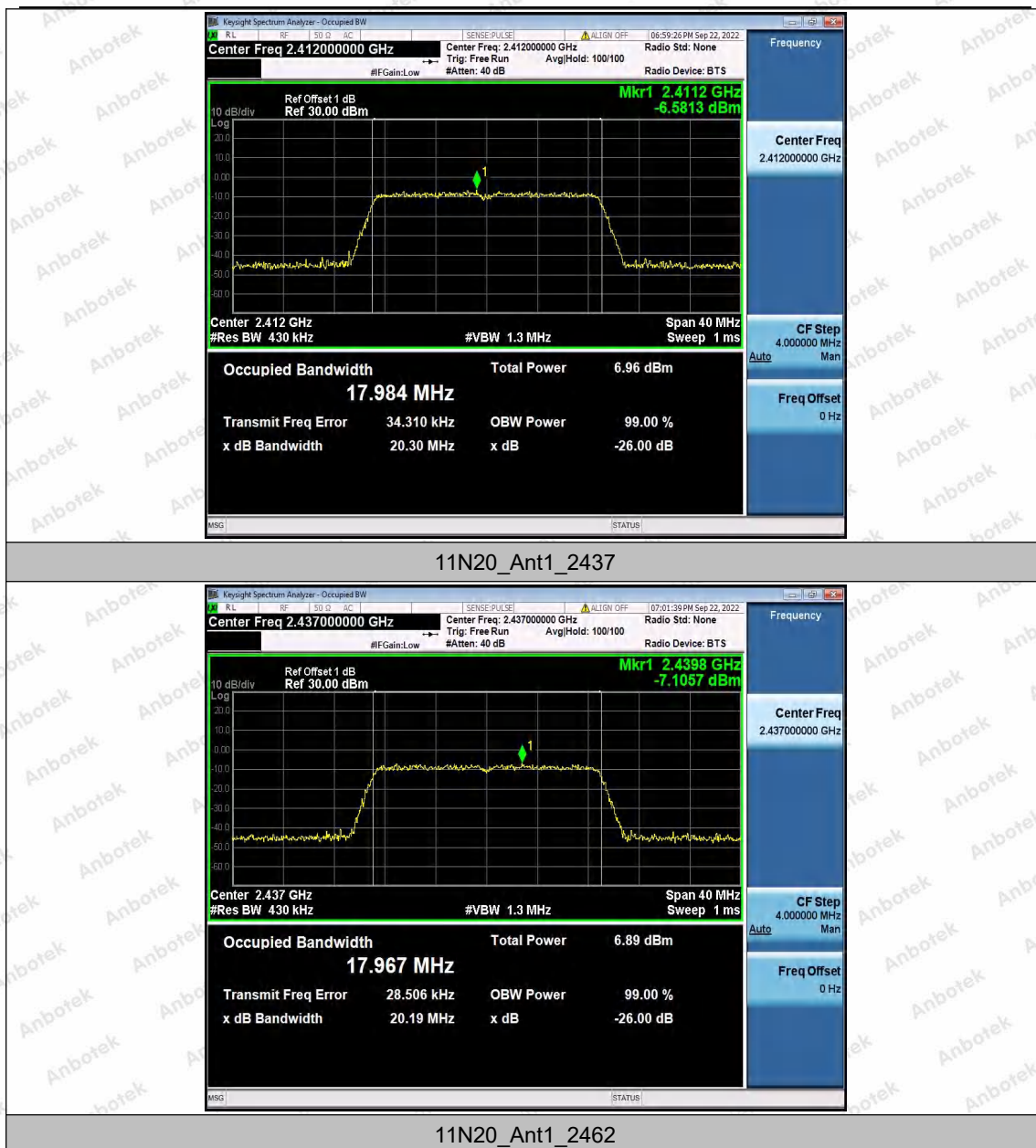
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	8.03	≤30.00
		2437	8.27	≤30.00
		2462	8.74	≤30.00
11G	Ant1	2412	8.53	≤30.00
		2437	8.15	≤30.00
		2462	8.32	≤30.00
11N20	Ant1	2412	8.19	≤30.00
		2437	8.13	≤30.00
		2462	8.30	≤30.00



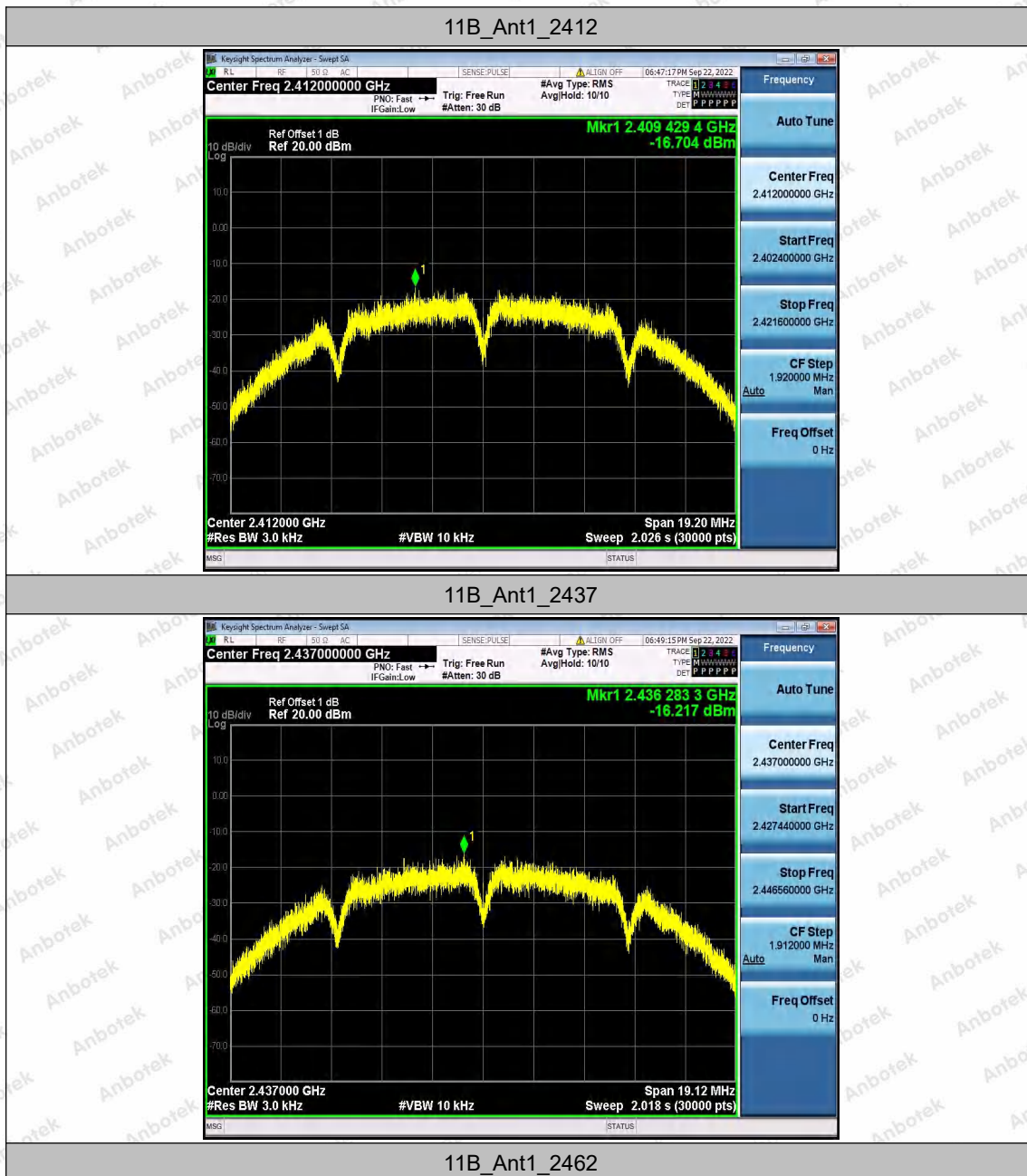
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.7	≤8.00	PASS
		2437	-16.22	≤8.00	PASS
		2462	-16.59	≤8.00	PASS
11G	Ant1	2412	-23.33	≤8.00	PASS
		2437	-23.94	≤8.00	PASS
		2462	-24.32	≤8.00	PASS
11N20	Ant1	2412	-24.69	≤8.00	PASS
		2437	-24.03	≤8.00	PASS
		2462	-24.9	≤8.00	PASS



Test Graphs



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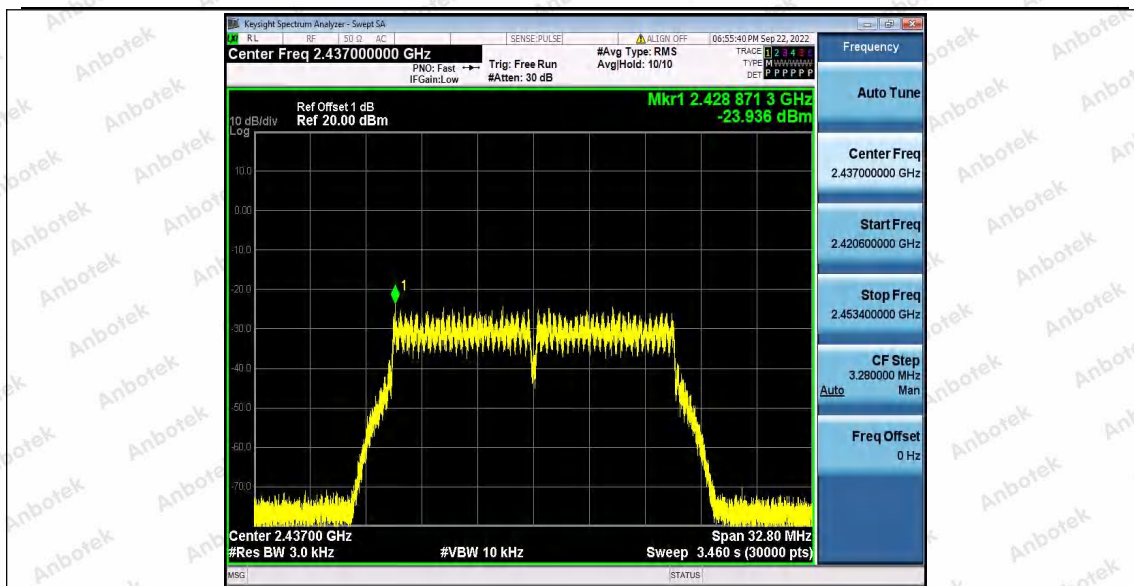
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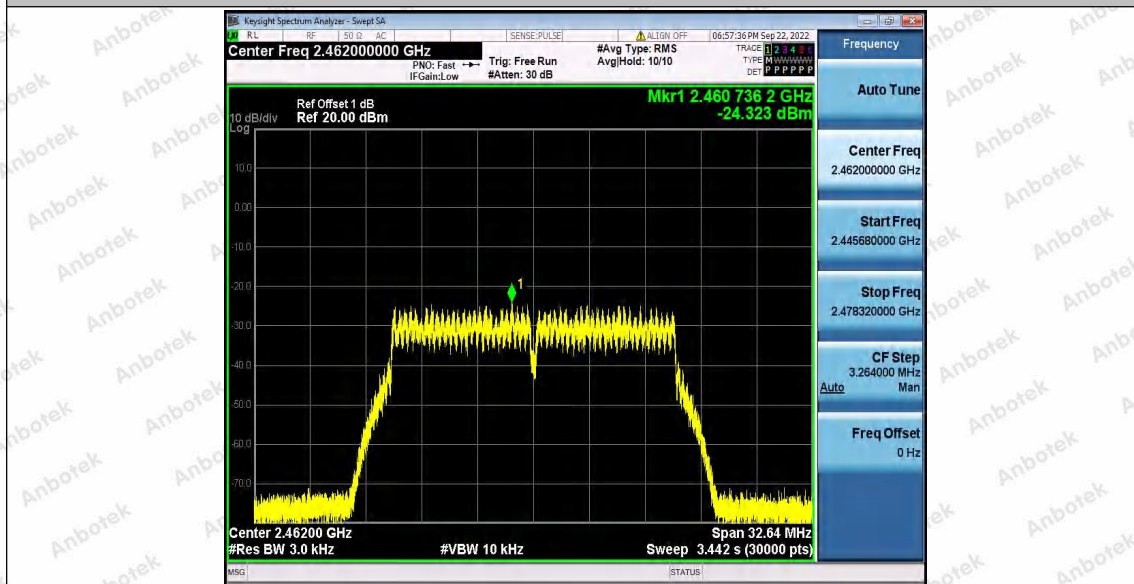
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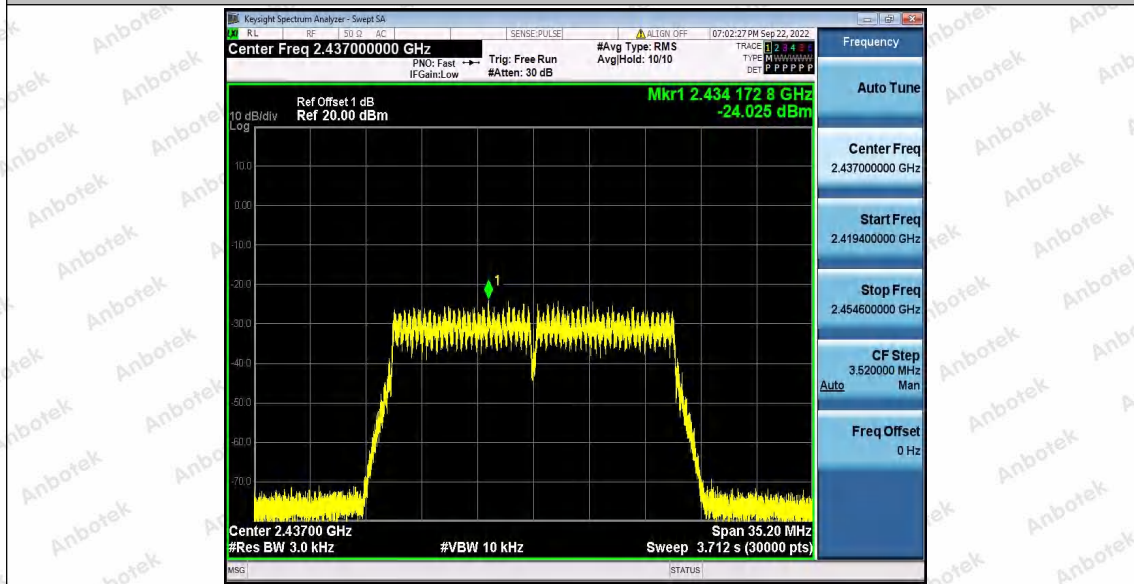
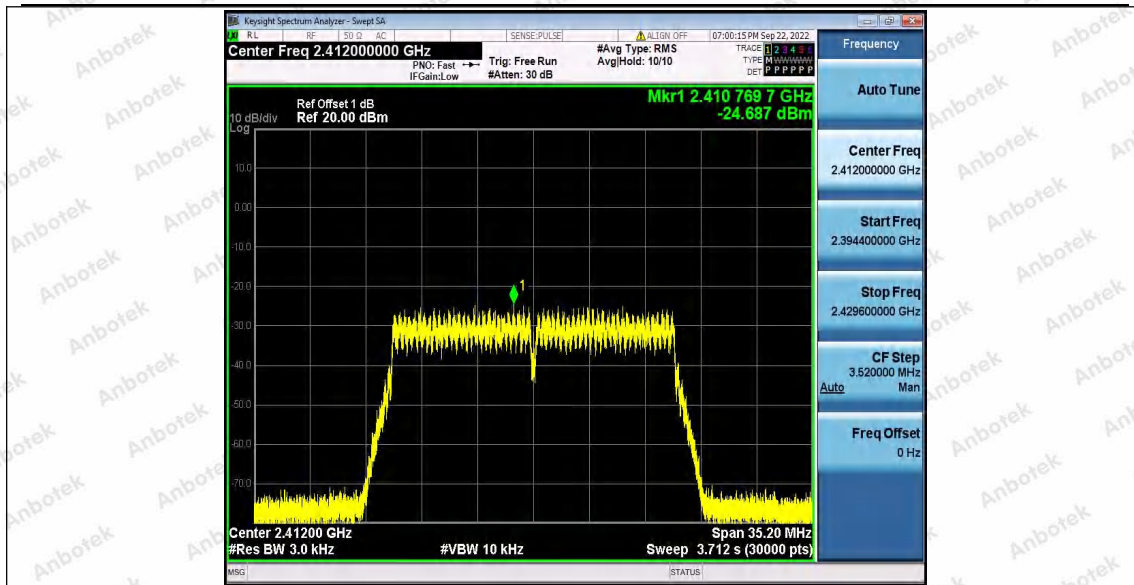


11G_Ant1_2462



11N20_Ant1_2412





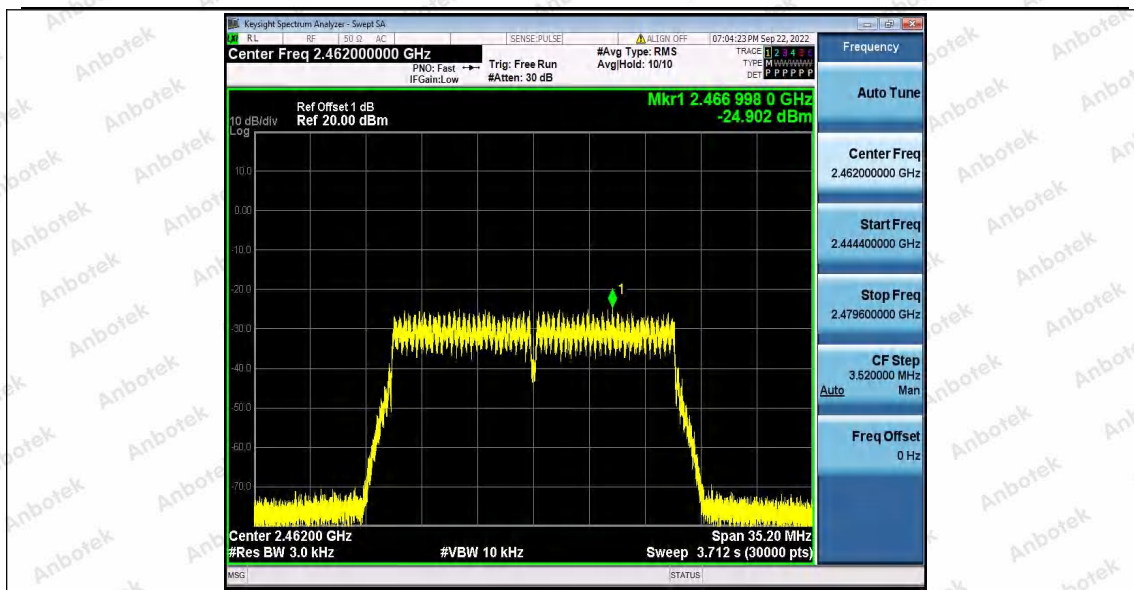
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-2.77	-52.97	≤-22.77	PASS
		High	2462	-3.12	-58.16	≤-23.12	PASS
11G	Ant1	Low	2412	-10.26	-55.29	≤-30.26	PASS
		High	2462	-10.35	-57.31	≤-30.35	PASS
11N20	Ant1	Low	2412	-10.54	-54.14	≤-30.54	PASS
		High	2462	-10.21	-56.72	≤-30.21	PASS

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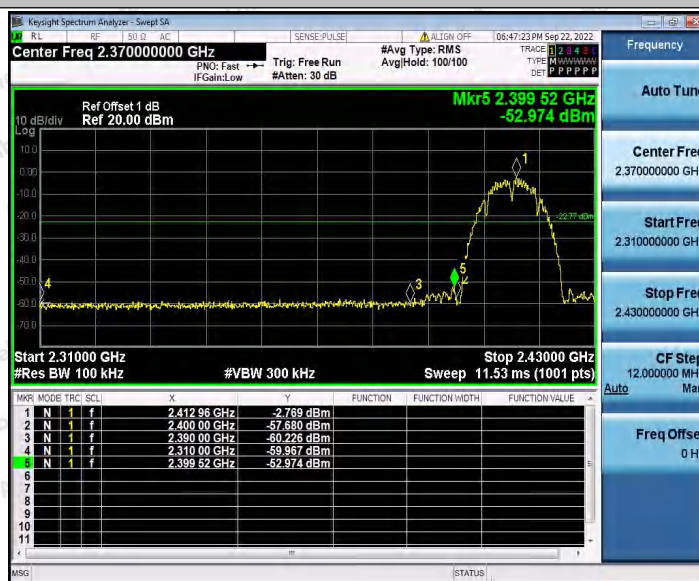


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Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

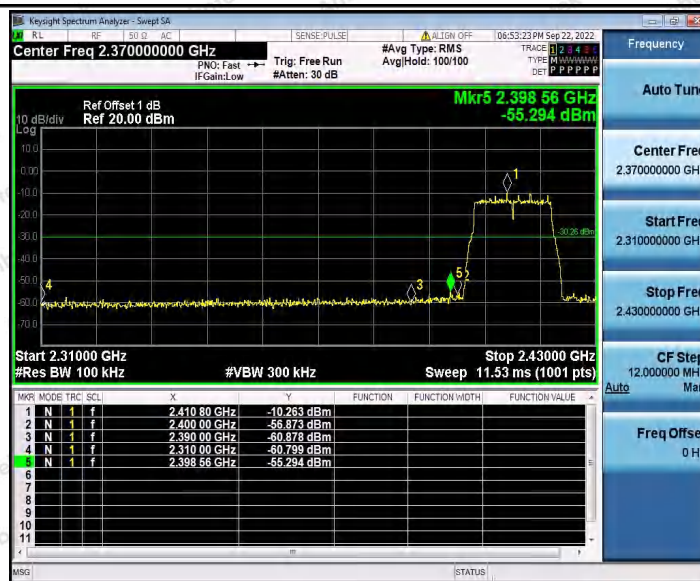
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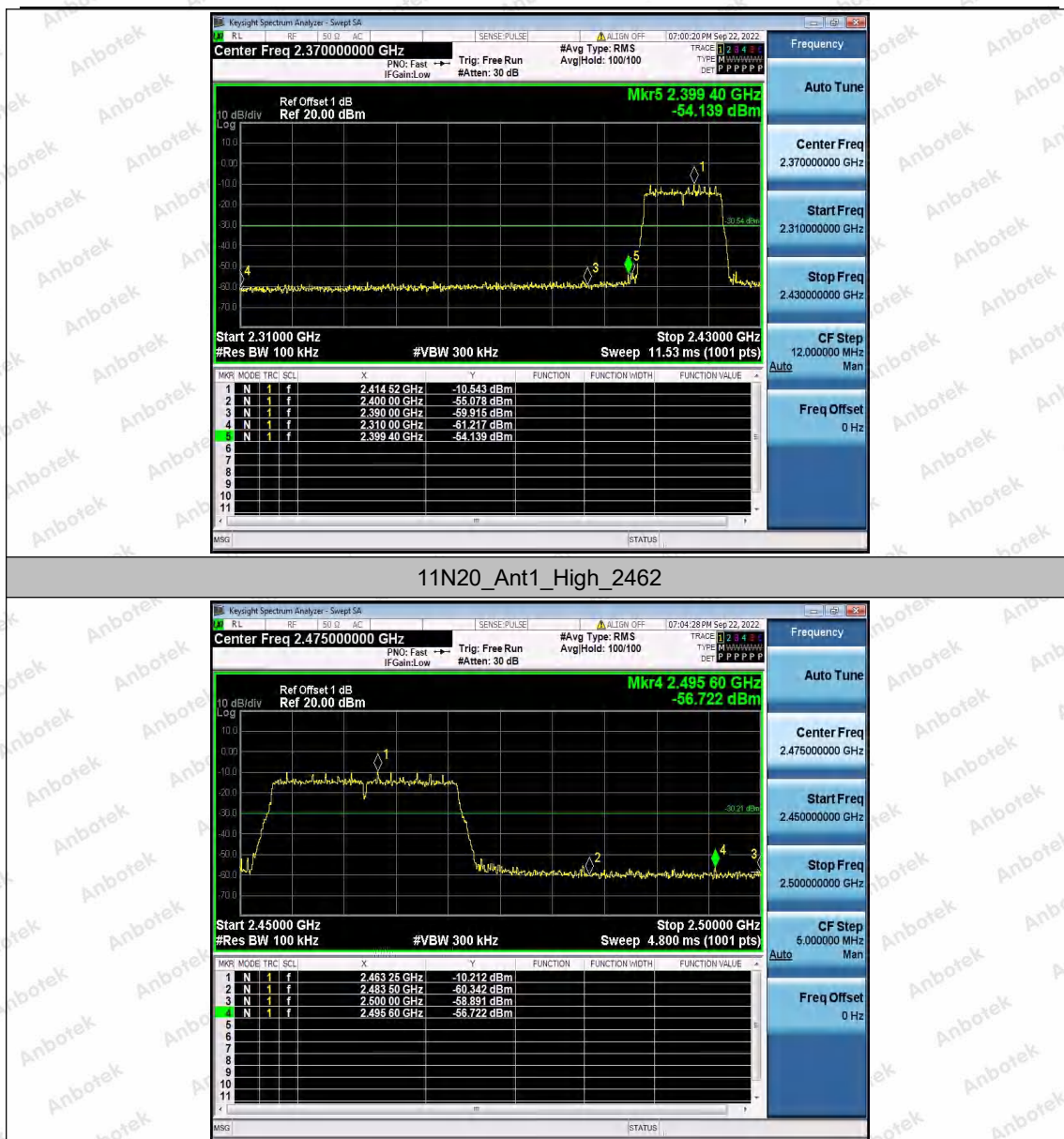


11G_Ant1_High_2462



11N20_Ant1_Low_2412





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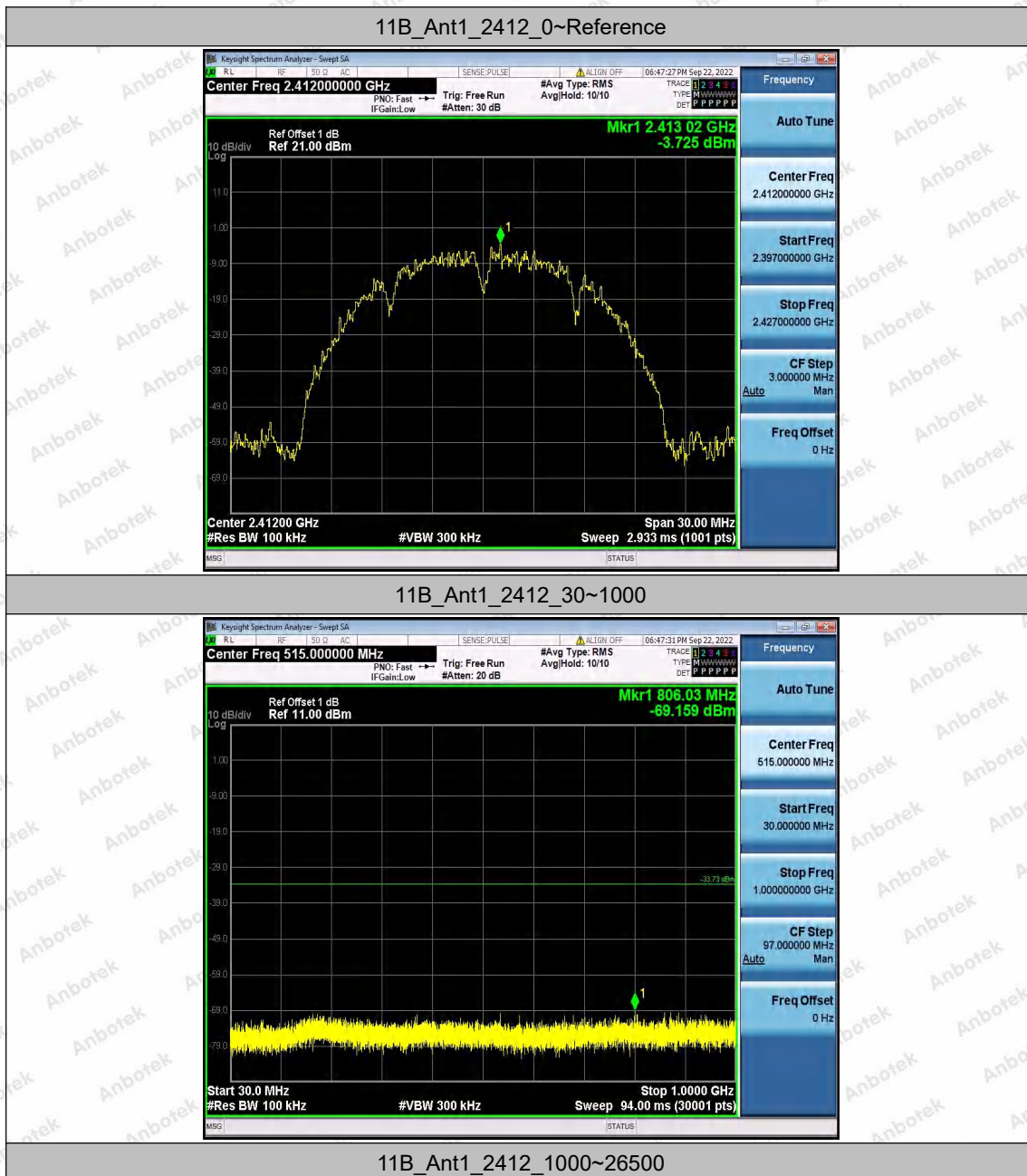
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-69.16	≤-33.73	PASS
			1000~26500	-3.73	-51.6	≤-33.73	PASS
		2437	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-69.48	≤-34.34	PASS
			1000~26500	-4.34	-53.51	≤-34.34	PASS
		2462	Reference	-3.34	-3.34	---	PASS
			30~1000	-3.34	-69.66	≤-33.34	PASS
			1000~26500	-3.34	-52.79	≤-33.34	PASS
11G	Ant1	2412	Reference	-11.16	-11.16	---	PASS
			30~1000	-11.16	-69.5	≤-41.16	PASS
			1000~26500	-11.16	-46.87	≤-41.16	PASS
		2437	Reference	-11.04	-11.04	---	PASS
			30~1000	-11.04	-69.04	≤-41.04	PASS
			1000~26500	-11.04	-53.21	≤-41.04	PASS
		2462	Reference	-12.92	-12.92	---	PASS
			30~1000	-12.92	-69.7	≤-42.92	PASS
			1000~26500	-12.92	-53.93	≤-42.92	PASS
11N20	Ant1	2412	Reference	-13.57	-13.57	---	PASS
			30~1000	-13.57	-68.5	≤-43.57	PASS
			1000~26500	-13.57	-50.38	≤-43.57	PASS
		2437	Reference	-10.63	-10.63	---	PASS
			30~1000	-10.63	-69.49	≤-40.63	PASS
			1000~26500	-10.63	-53.25	≤-40.63	PASS
		2462	Reference	-12.92	-12.92	---	PASS
			30~1000	-12.92	-69.68	≤-42.92	PASS
			1000~26500	-12.92	-53.47	≤-42.92	PASS



Test Graphs



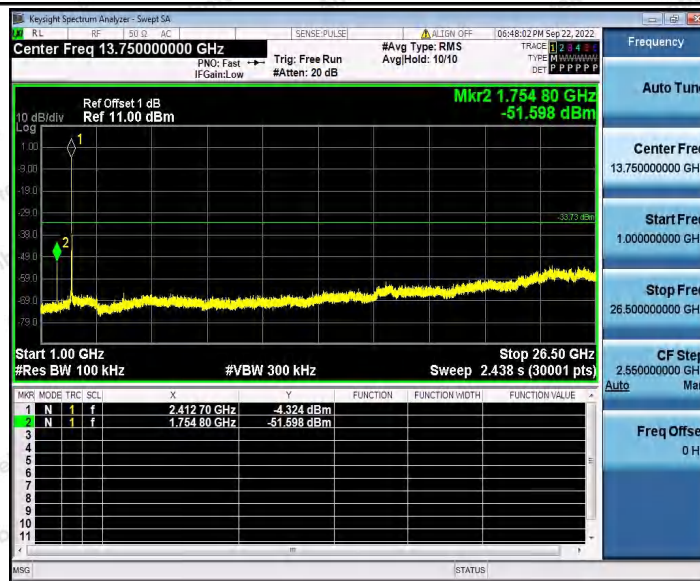
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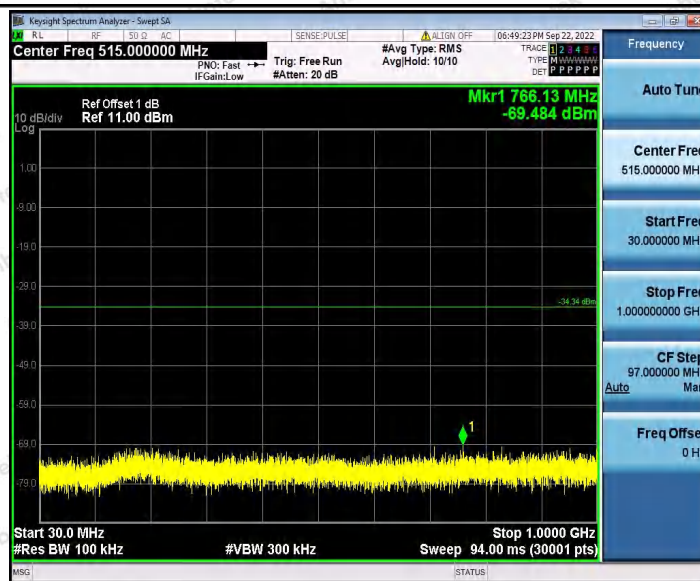


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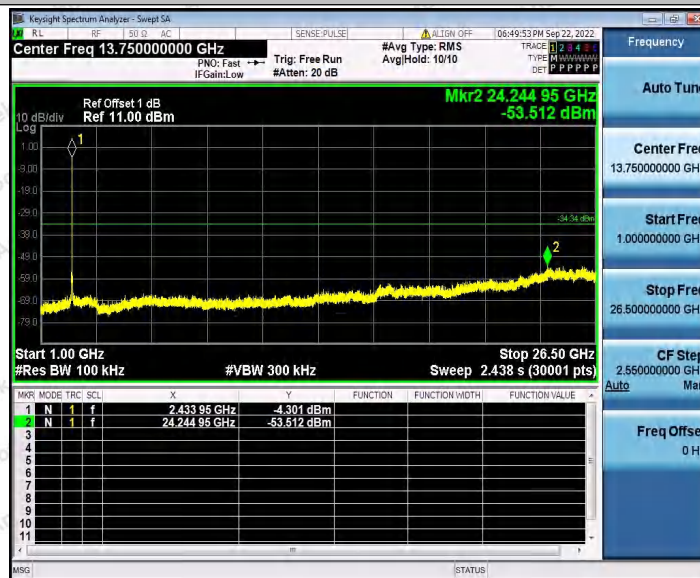


11B_Ant1_2437_30~1000





11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference

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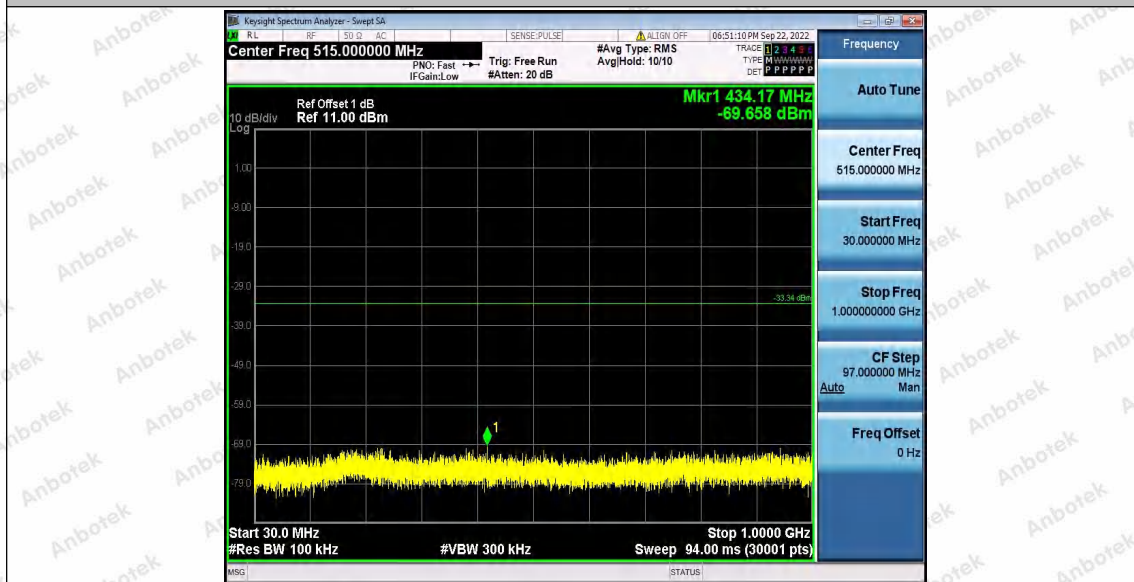


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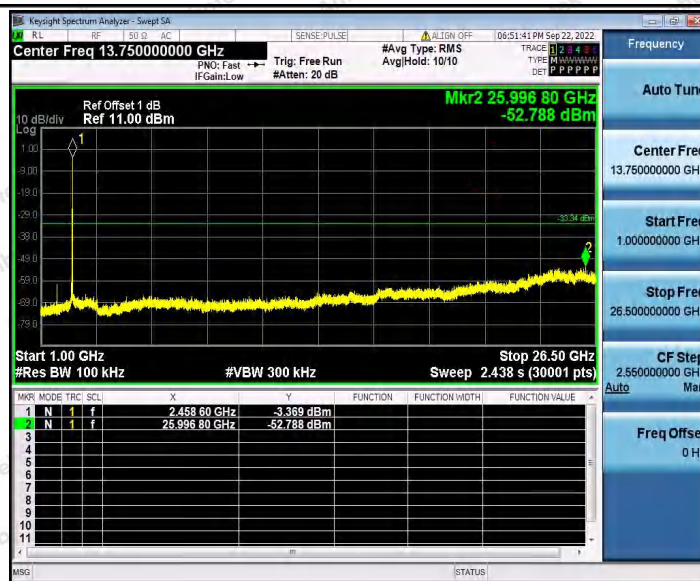


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11B_Ant1_2462_1000~26500





11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

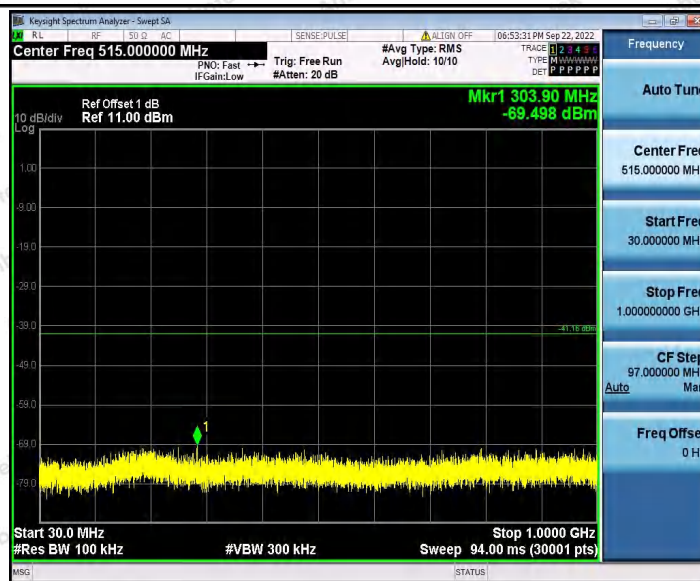
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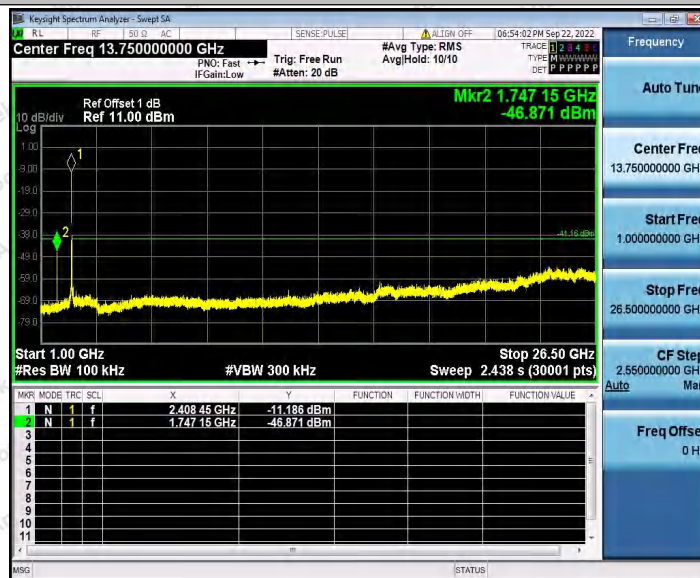


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11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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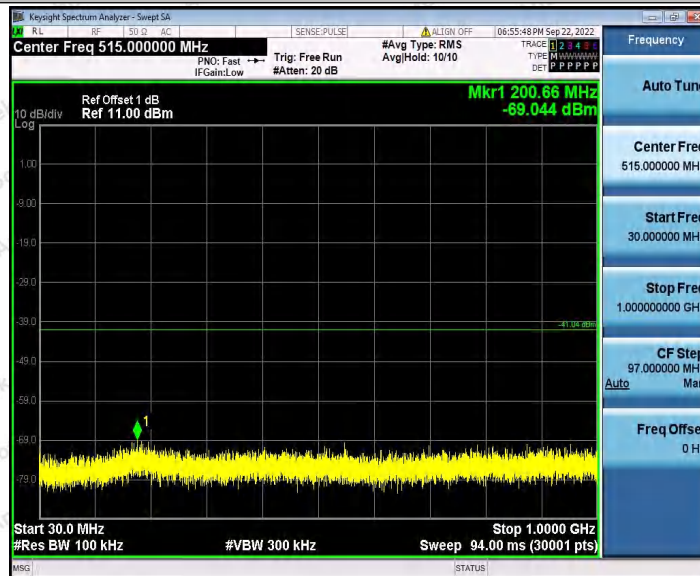


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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

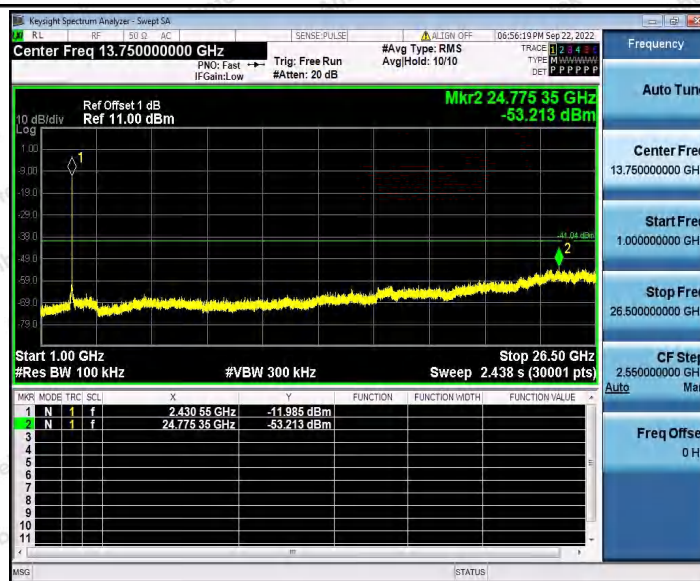
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000

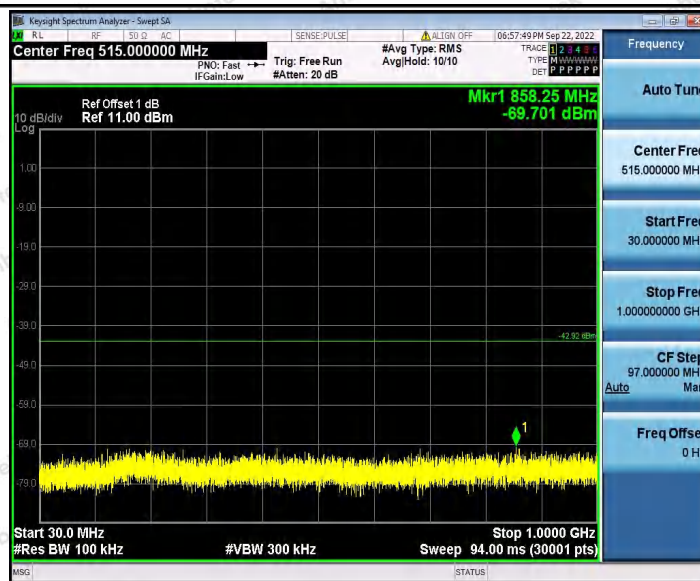
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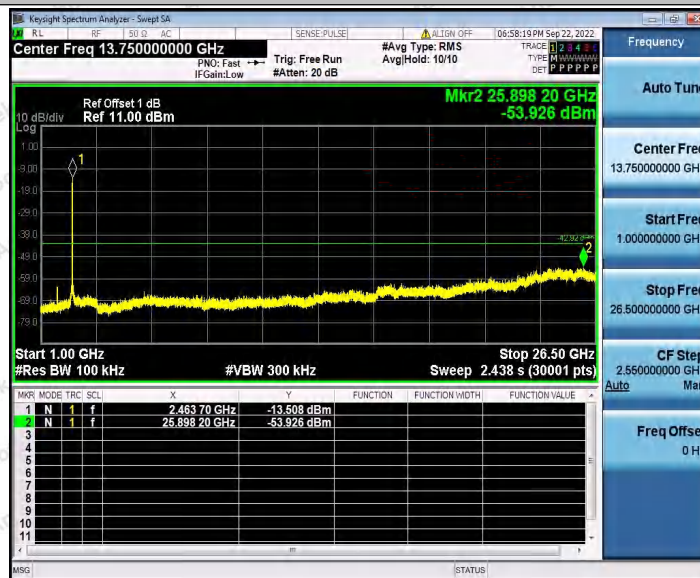


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11G_Ant1_2462_1000~26500



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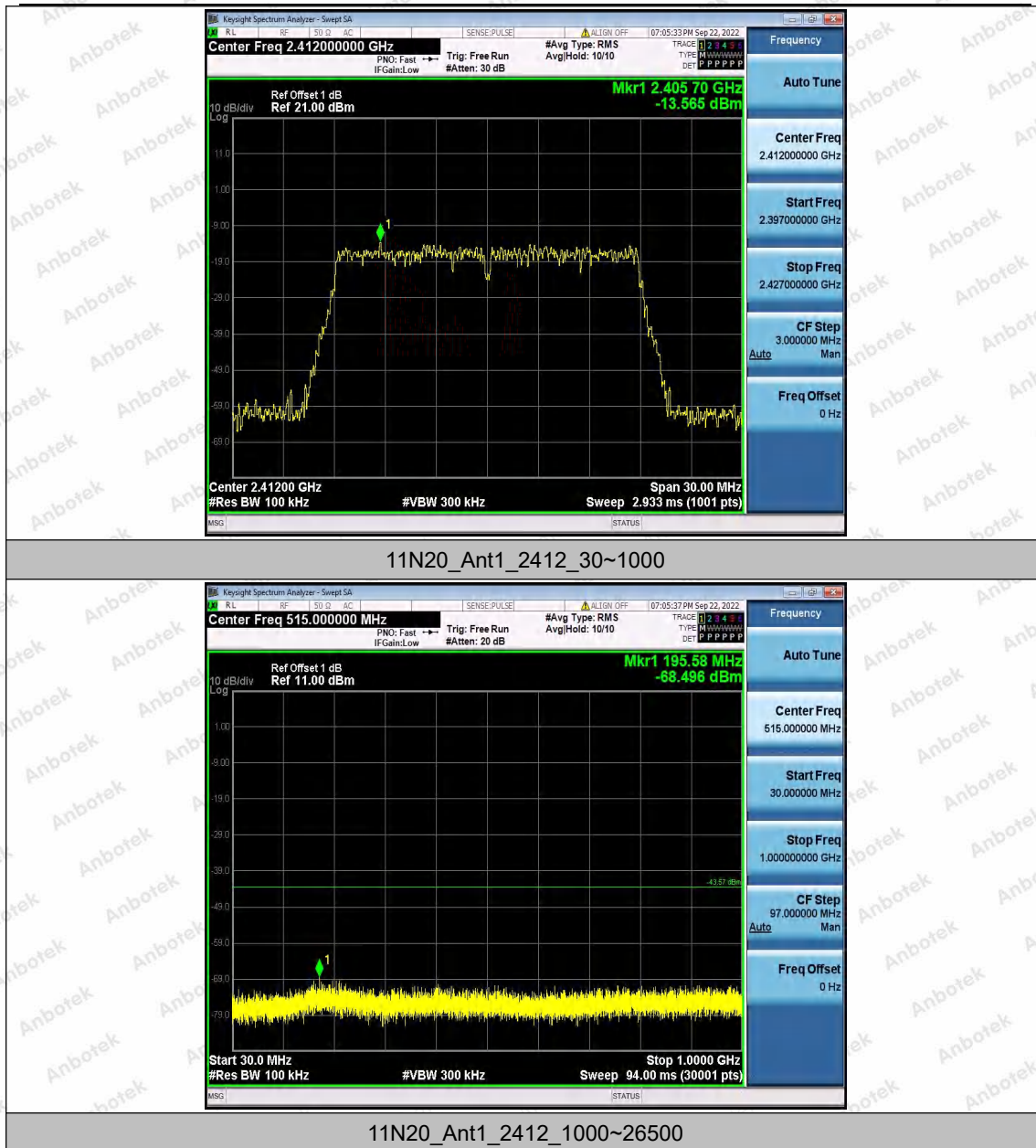
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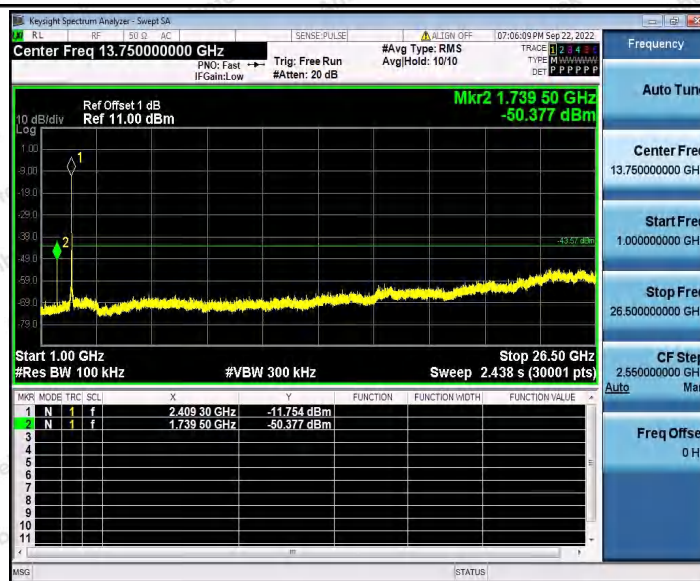
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11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000

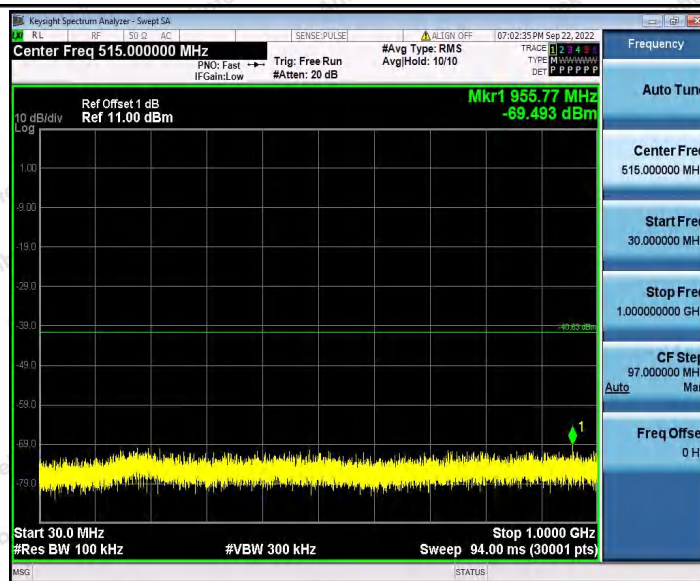
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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

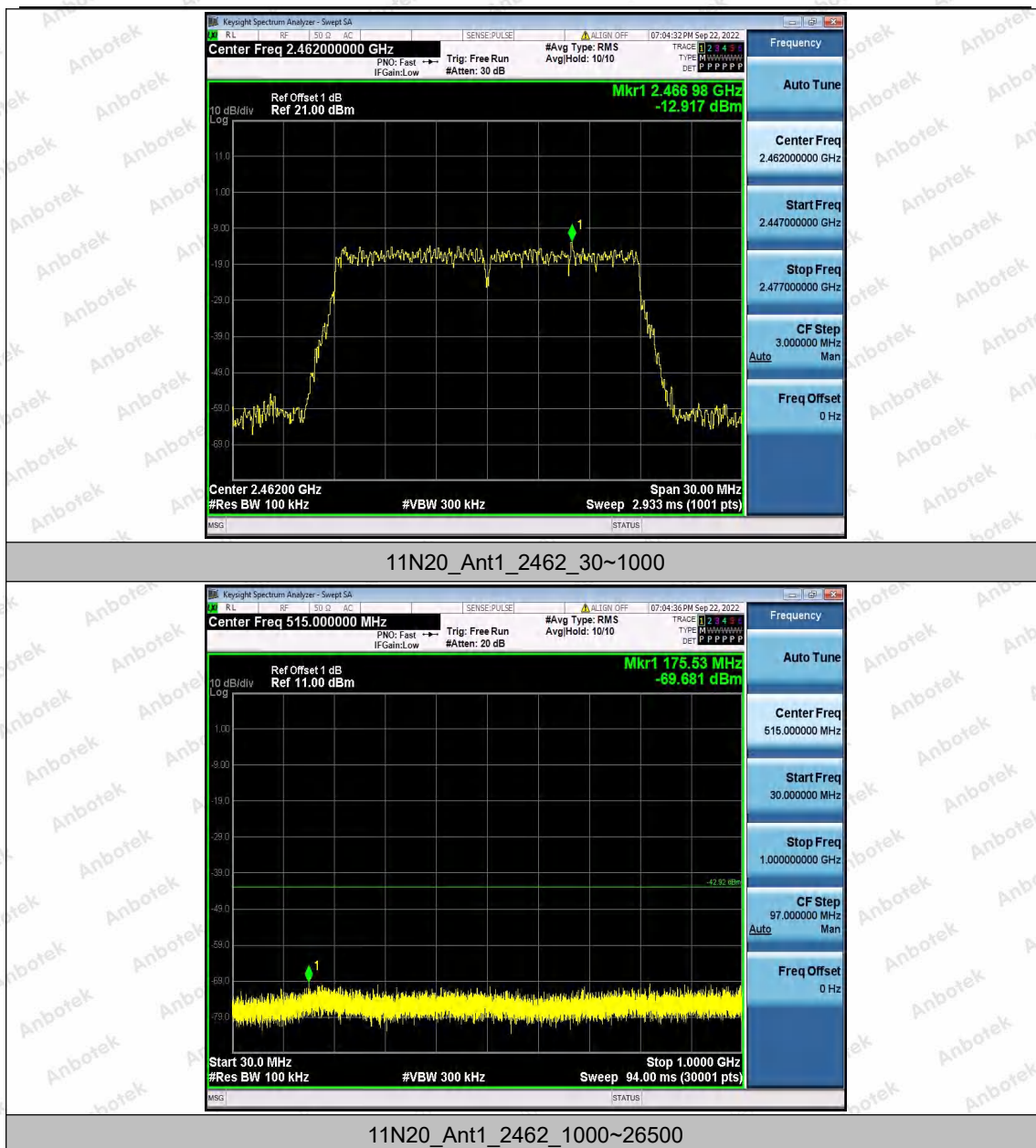
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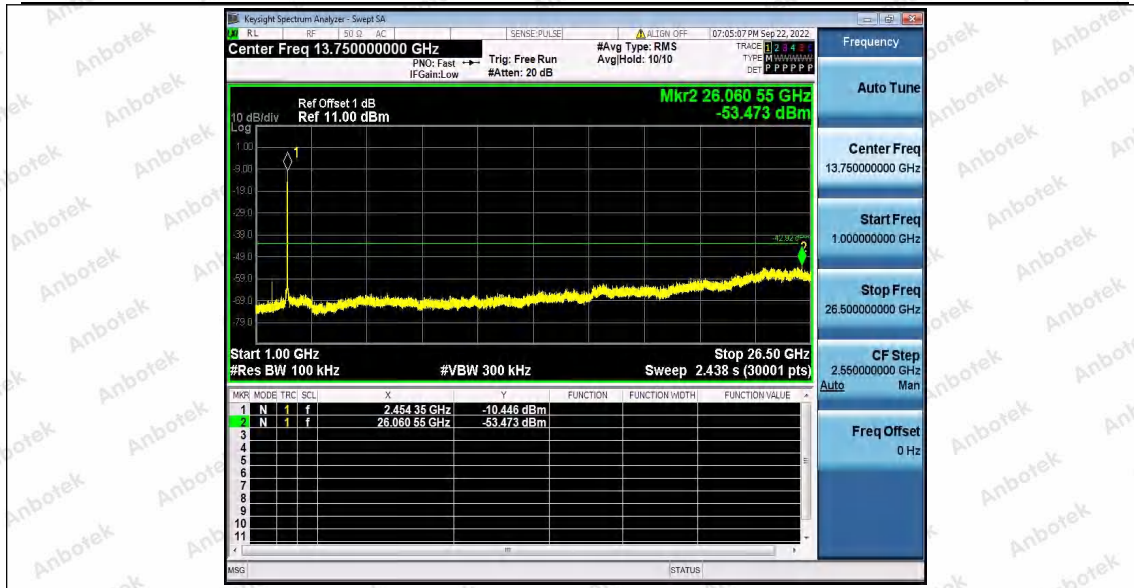
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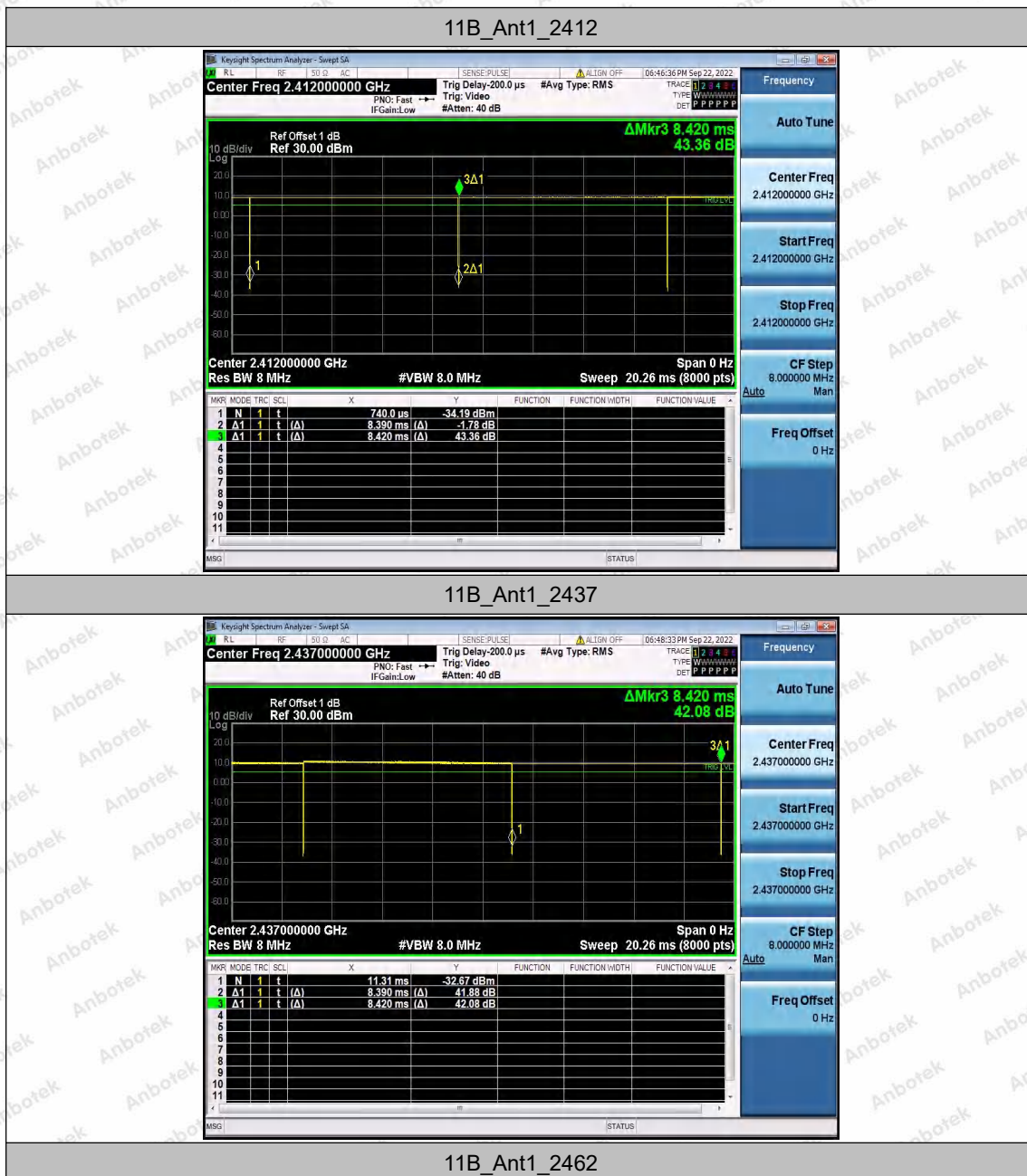
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.42	99.64	0.02
		2437	8.39	8.42	99.64	0.02
		2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
		2437	1.39	1.43	97.20	0.12
		2462	1.39	1.43	97.20	0.12
11N20	Ant1	2412	1.30	1.34	97.01	0.13
		2437	1.30	1.33	97.74	0.10
		2462	1.30	1.33	97.74	0.10



Test Graphs



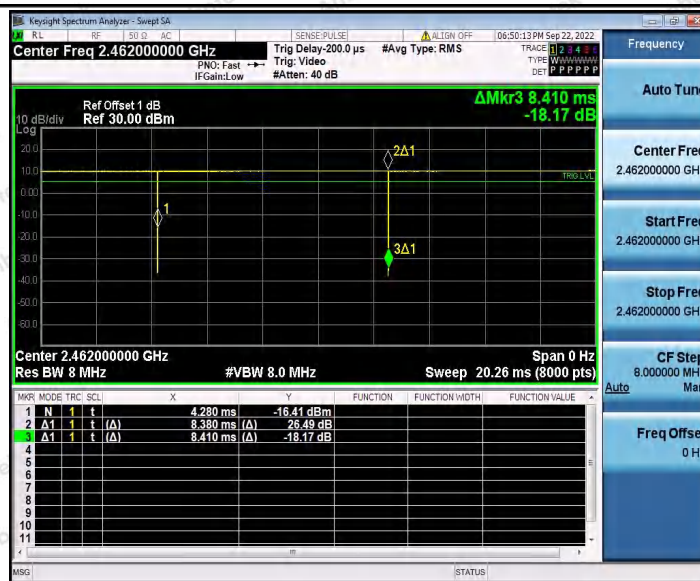
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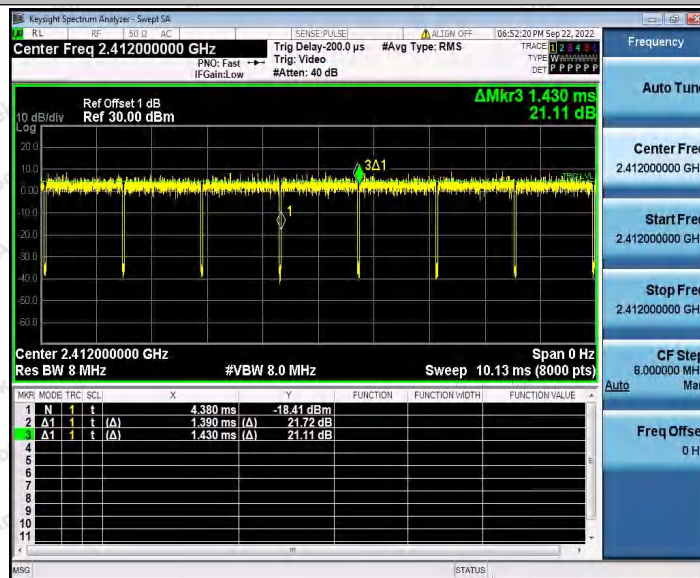


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11G_Ant1_2412



11G_Ant1_2437

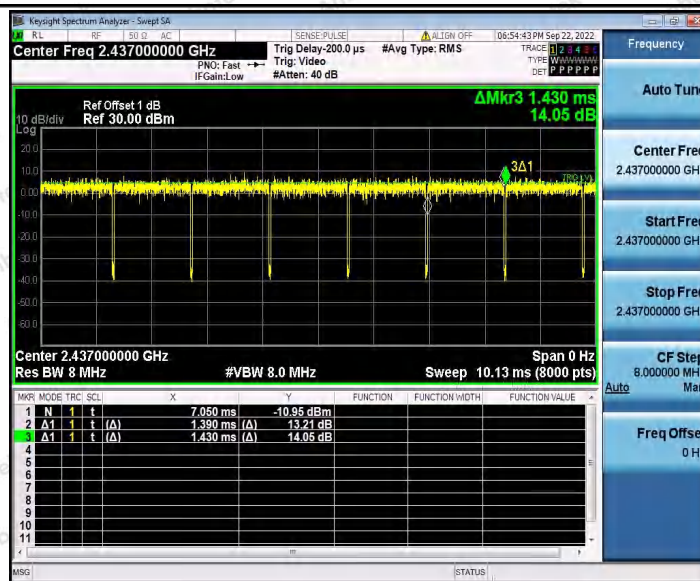
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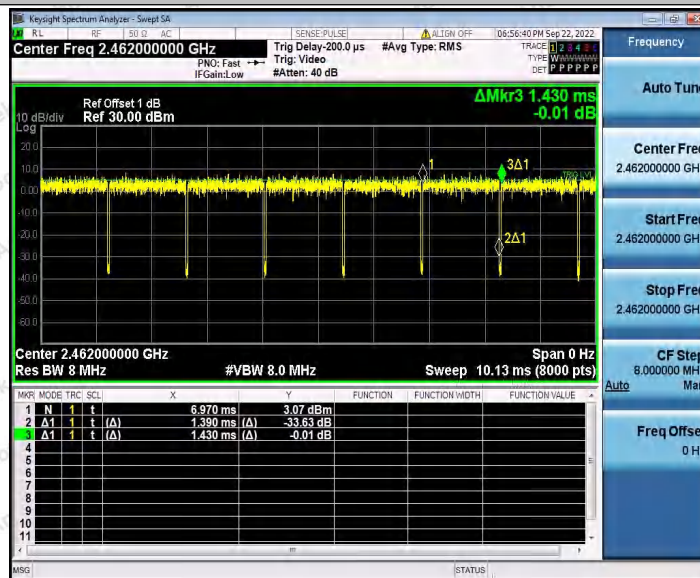


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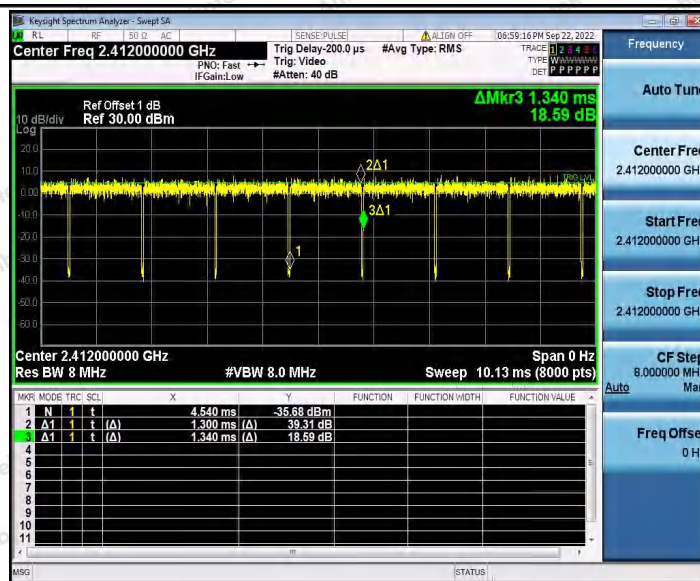


11G_Ant1_2462

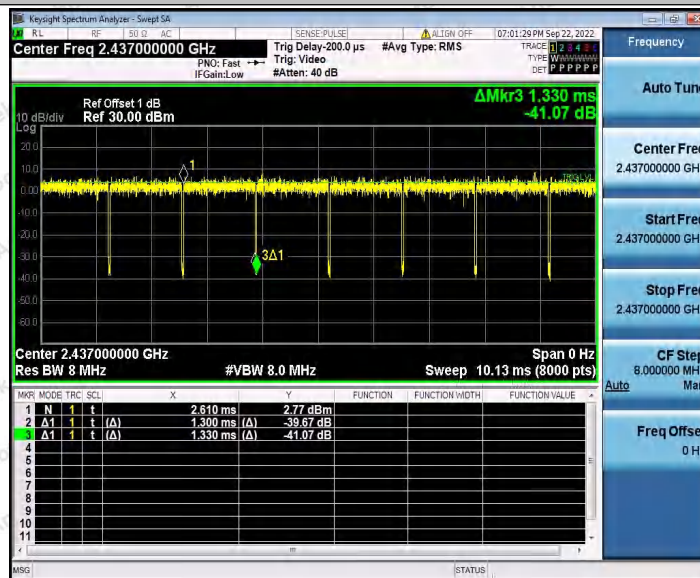


11N20_Ant1_2412



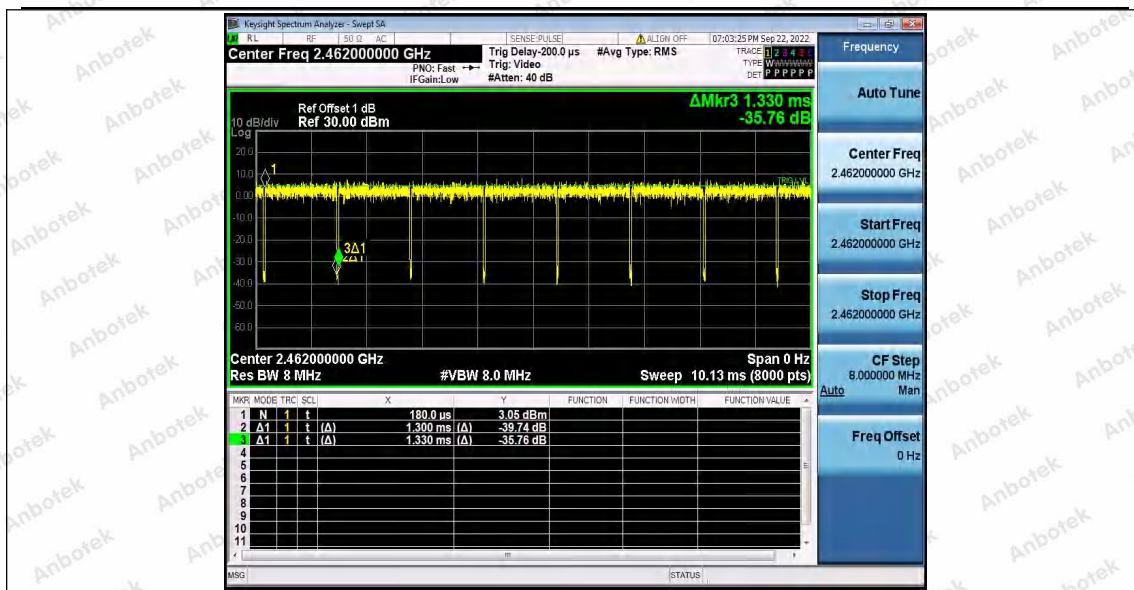


11N20_Ant1_2437



11N20_Ant1_2462





---End---

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