

Appendix Test Data

Report No.:	18220WC10161701	Test Date:	2021.8.27
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

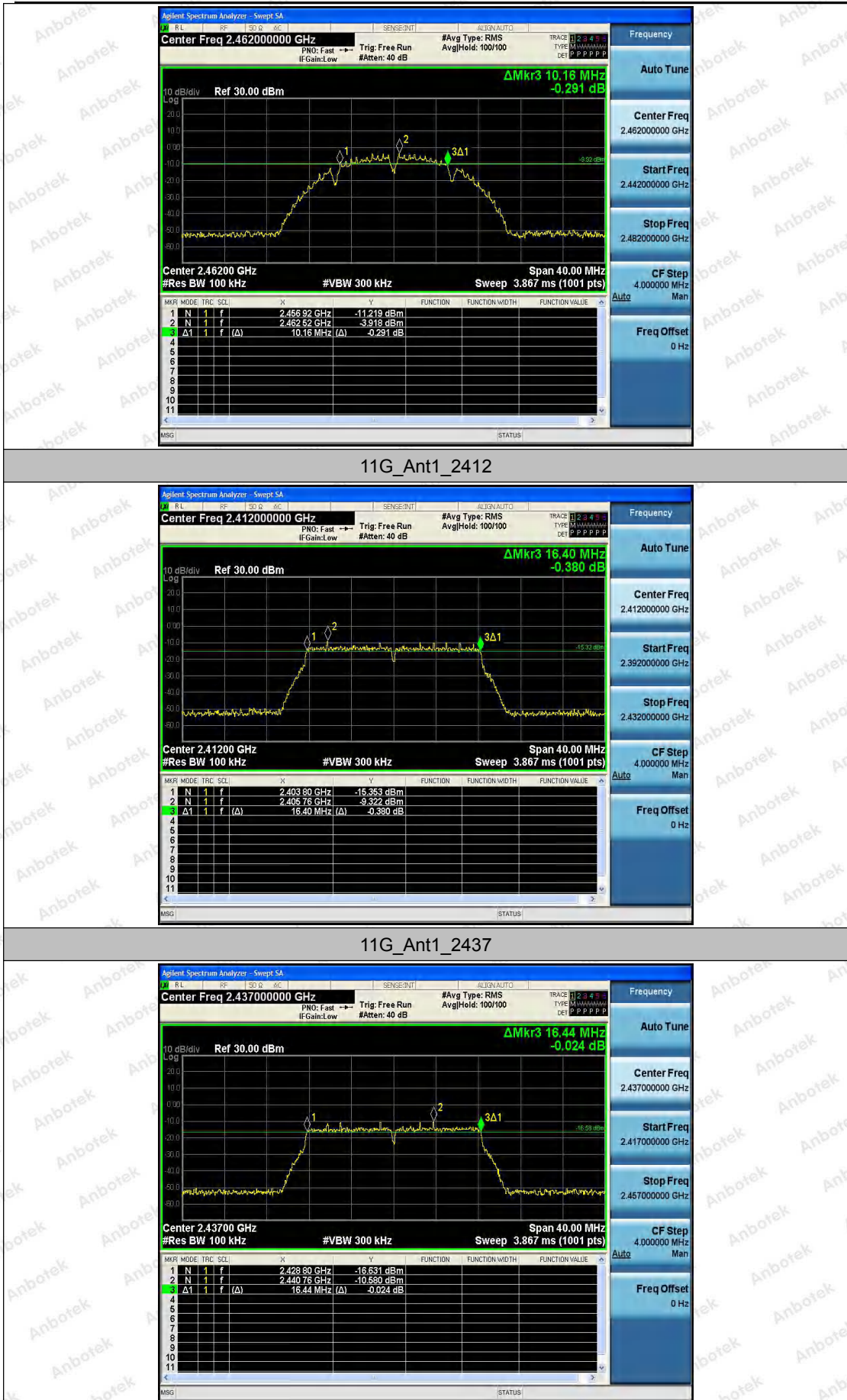
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.160	2406.920	2417.080	≥0.5	PASS
		2437	9.680	2431.920	2441.600	≥0.5	PASS
		2462	10.160	2456.920	2467.080	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.440	2428.800	2445.240	≥0.5	PASS
		2462	16.440	2453.800	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.160	2420.800	≥0.5	PASS
		2437	17.680	2428.160	2445.840	≥0.5	PASS
		2462	16.800	2454.040	2470.840	≥0.5	PASS

Test Graphs





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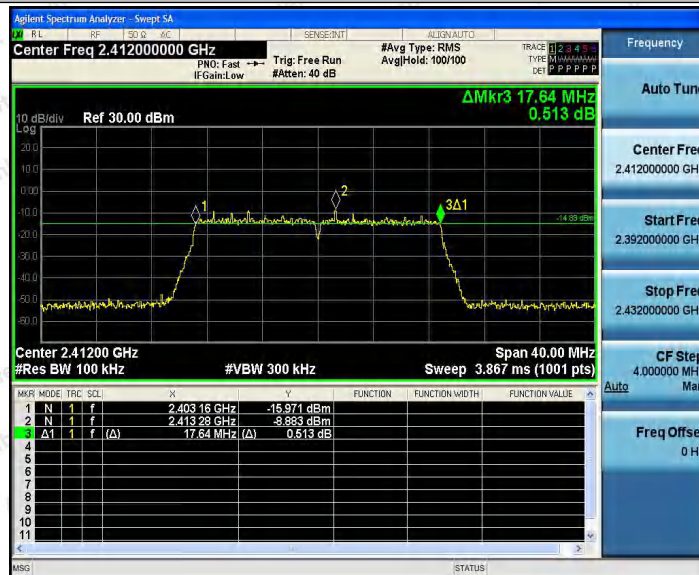
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11G_Ant1_2462



11N20_Ant1_2412



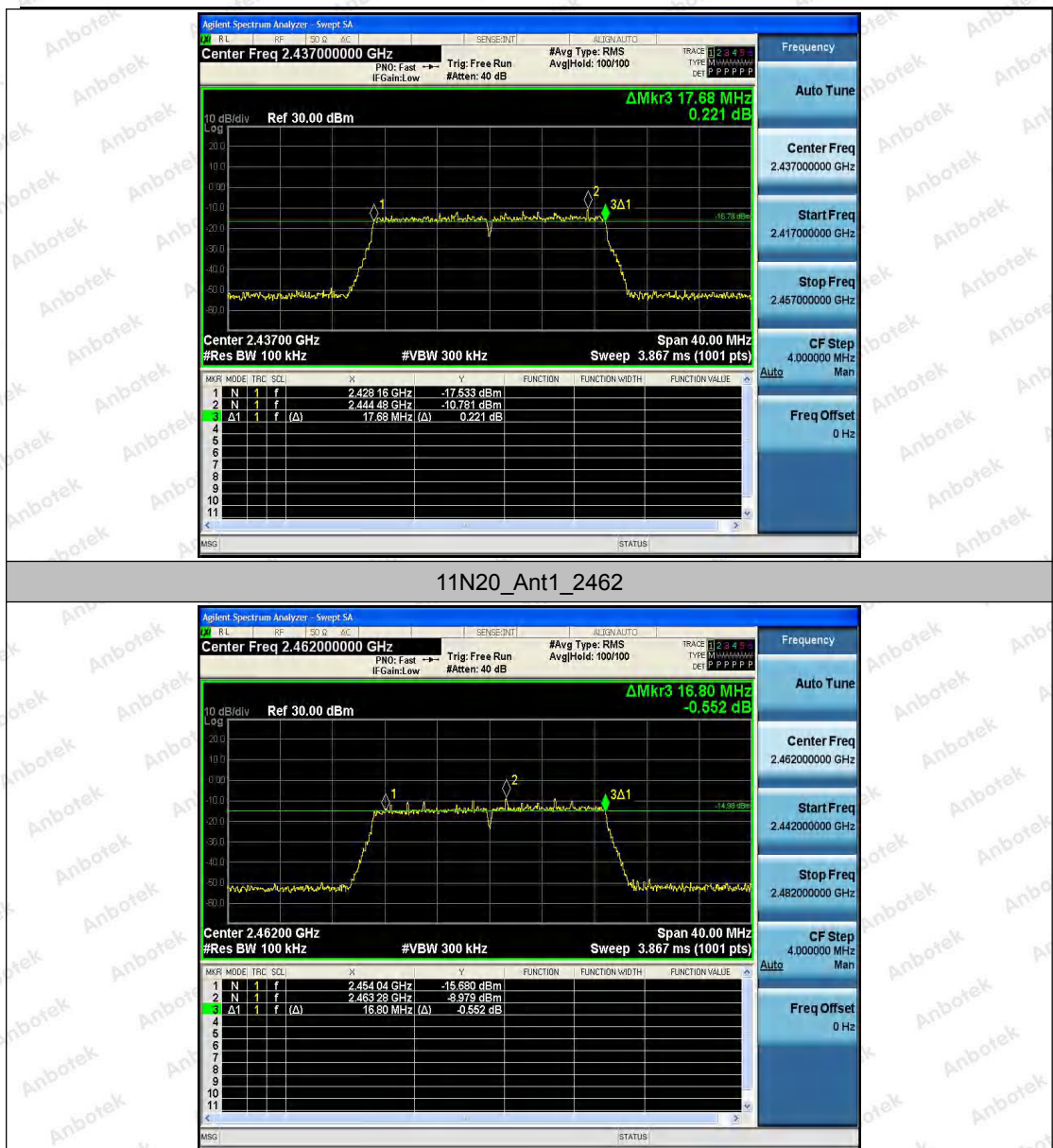
11N20_Ant1_2437

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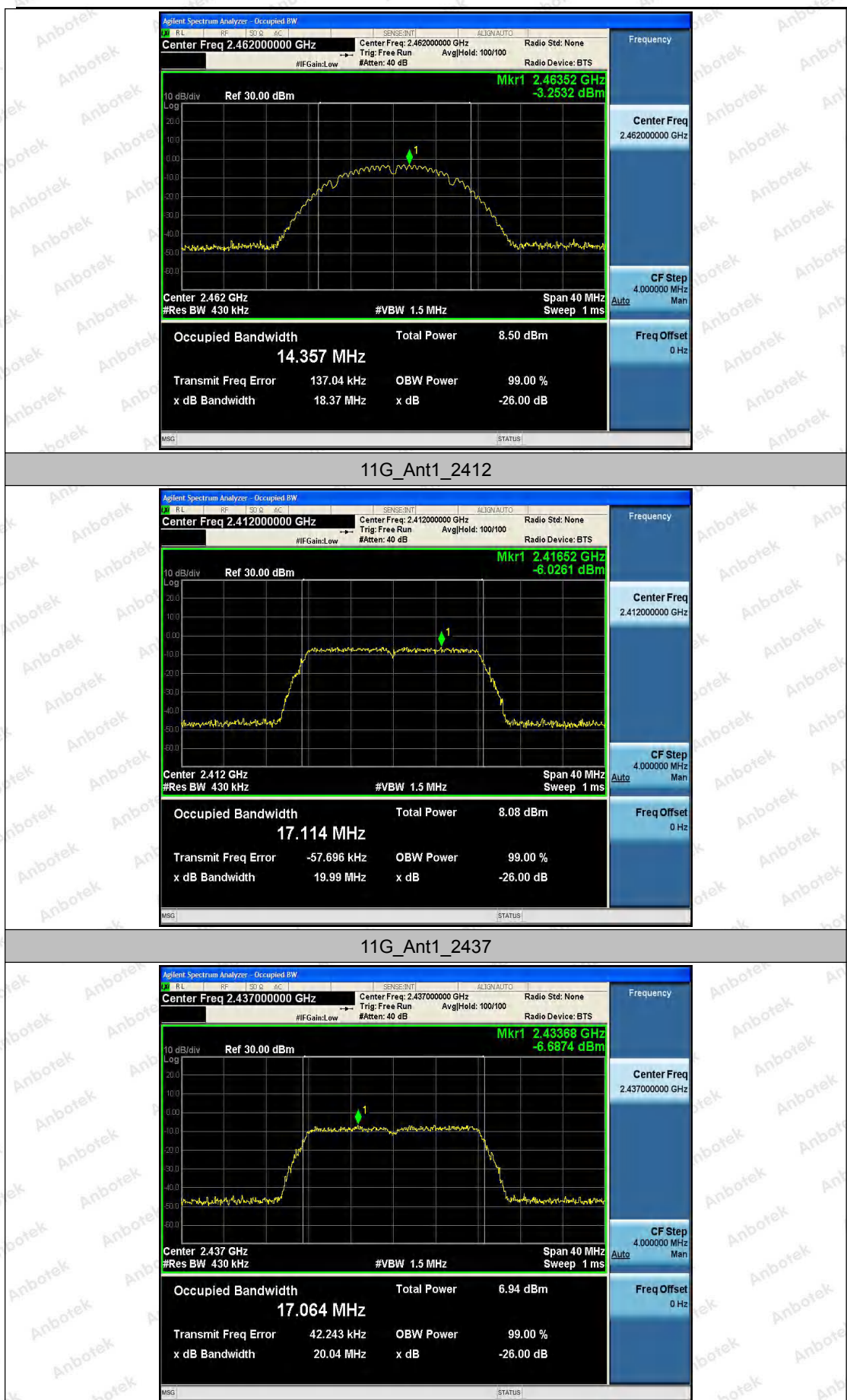
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.339	2404.784	2419.123	---	PASS
		2437	14.358	2429.888	2444.246	---	PASS
		2462	14.357	2454.959	2469.316	---	PASS
11G	Ant1	2412	17.114	2403.385	2420.499	---	PASS
		2437	17.064	2428.510	2445.574	---	PASS
		2462	17.091	2453.565	2470.656	---	PASS
11N20	Ant1	2412	17.927	2403.038	2420.965	---	PASS
		2437	18.011	2428.063	2446.074	---	PASS
		2462	17.974	2453.082	2471.056	---	PASS

Test Graphs





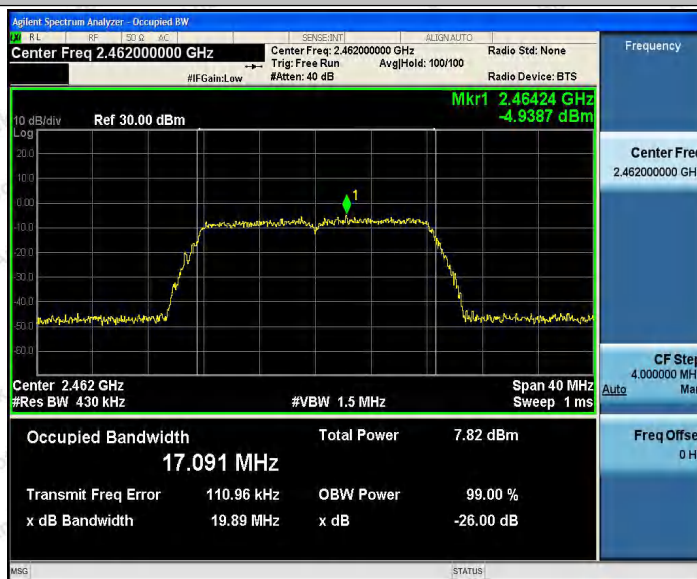
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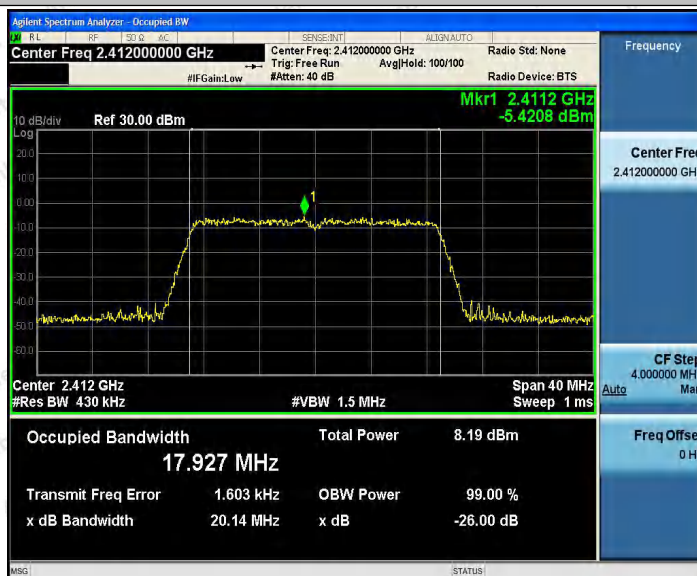
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11G_Ant1_2462



11N20_Ant1_2412



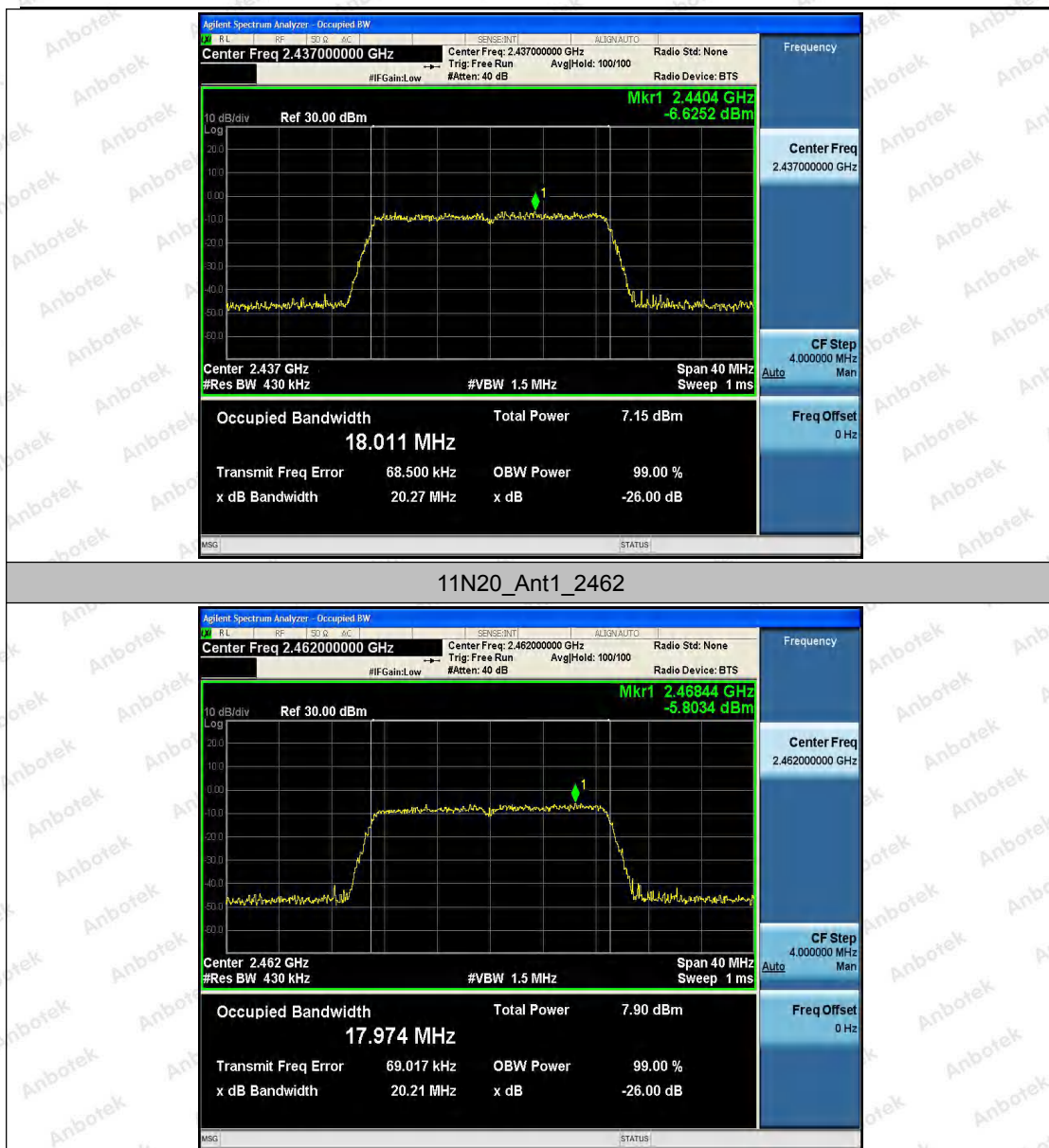
11N20_Ant1_2437

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Appendix C: Maximum conducted output power

Test Result

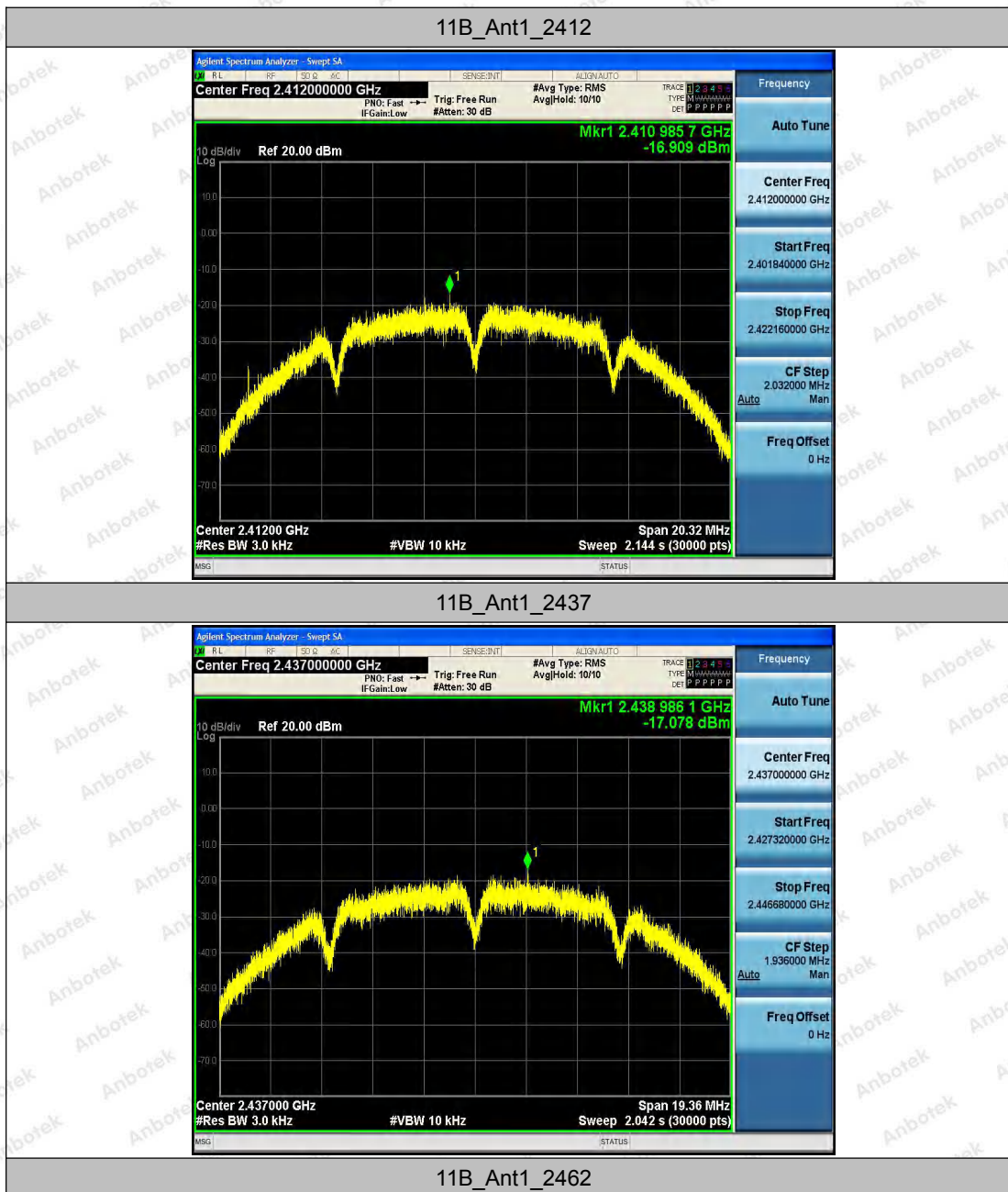
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	7.87	≤30	PASS
		2437	7.76	≤30	PASS
		2462	8.52	≤30	PASS
11G	Ant1	2412	8.28	≤30	PASS
		2437	8.26	≤30	PASS
		2462	7.98	≤30	PASS
11N20	Ant1	2412	8.18	≤30	PASS
		2437	8.3	≤30	PASS
		2462	7.99	≤30	PASS

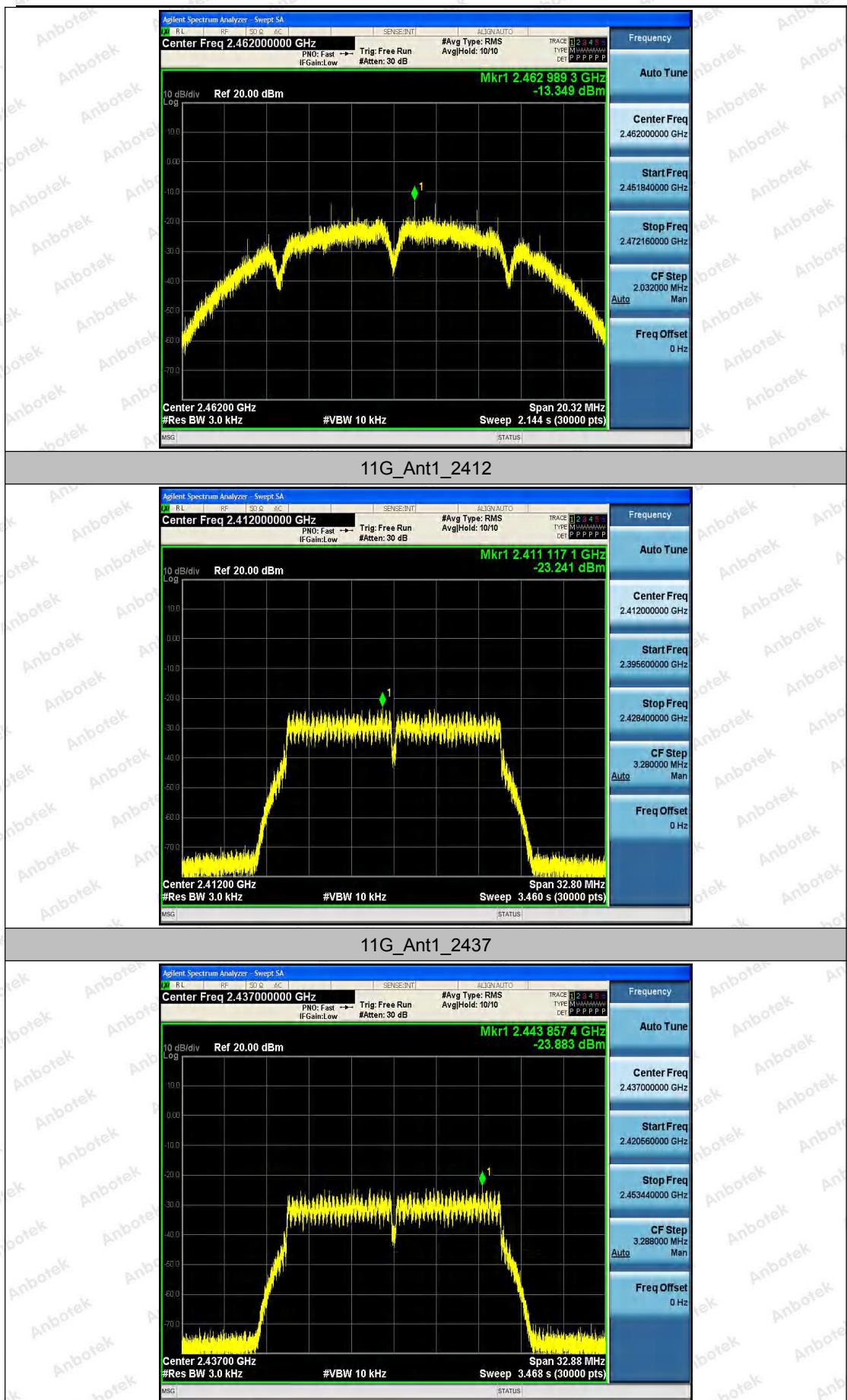
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.91	≤8	PASS
		2437	-17.08	≤8	PASS
		2462	-13.35	≤8	PASS
11G	Ant1	2412	-23.24	≤8	PASS
		2437	-23.88	≤8	PASS
		2462	-22.78	≤8	PASS
11N20	Ant1	2412	-22.56	≤8	PASS
		2437	-24.05	≤8	PASS
		2462	-22.06	≤8	PASS

Test Graphs





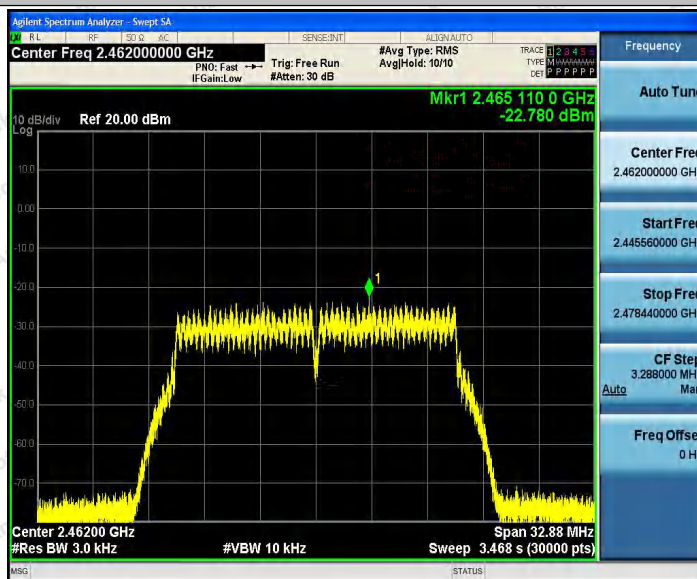
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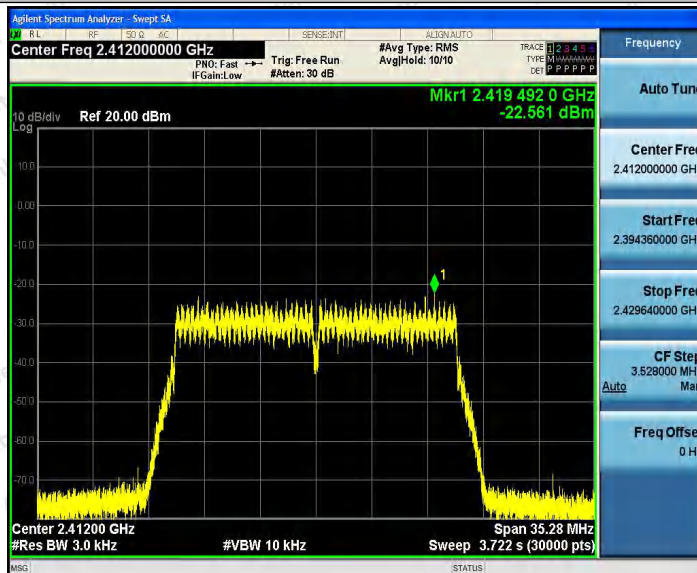
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11G_Ant1_2462



11N20_Ant1_2412



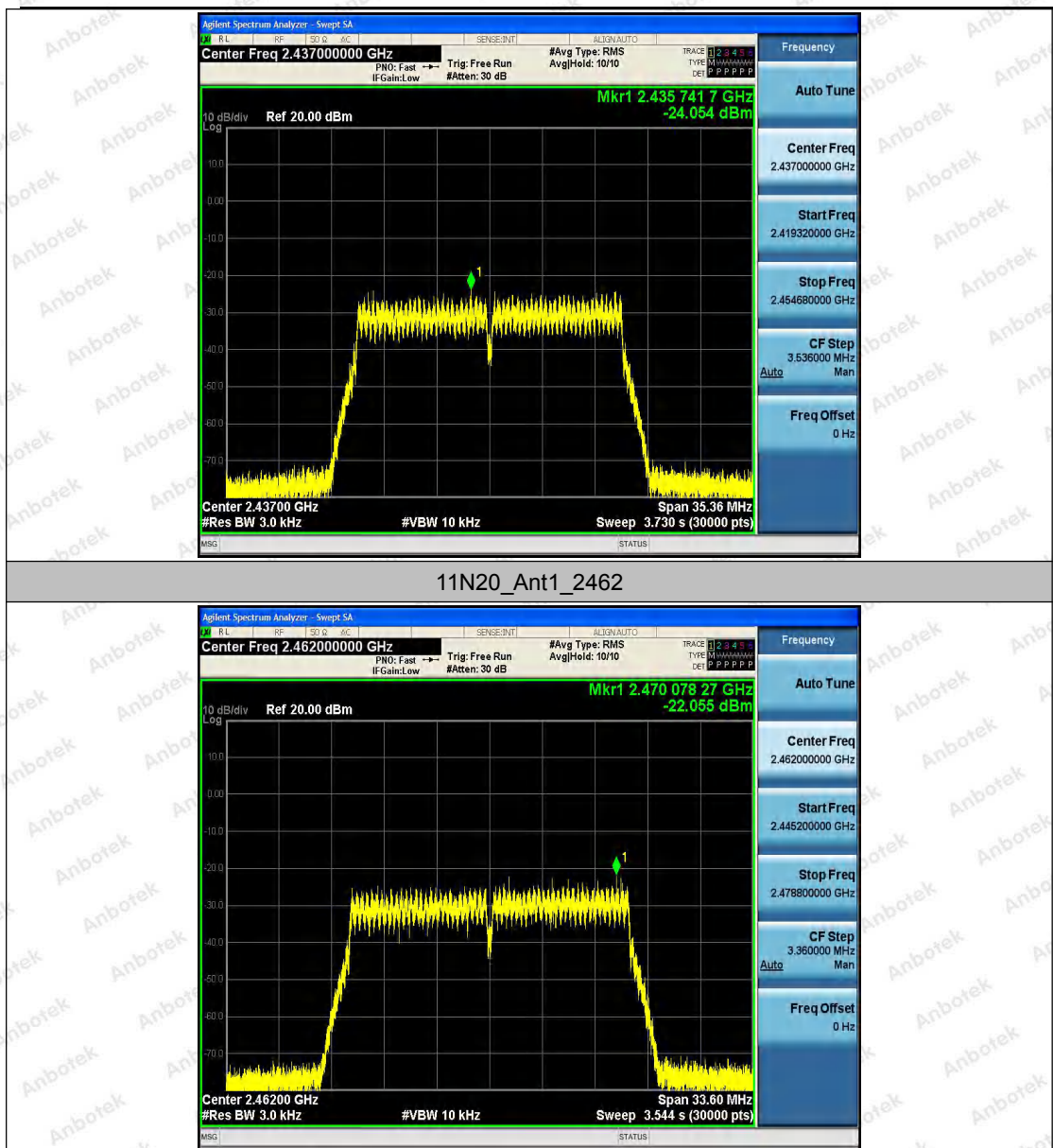
11N20_Ant1_2437

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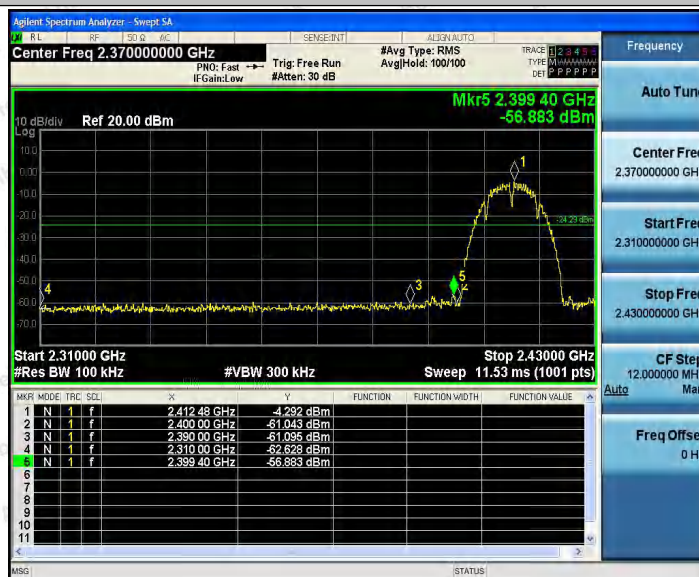
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.29	-56.88	≤ -24.29	PASS
		High	2462	-3.42	-58.27	≤ -23.42	PASS
11G	Ant1	Low	2412	-9.59	-55.21	≤ -29.59	PASS
		High	2462	-10.04	-55.45	≤ -30.04	PASS
11N20	Ant1	Low	2412	-9.55	-52	≤ -29.55	PASS
		High	2462	-9.26	-58.22	≤ -29.26	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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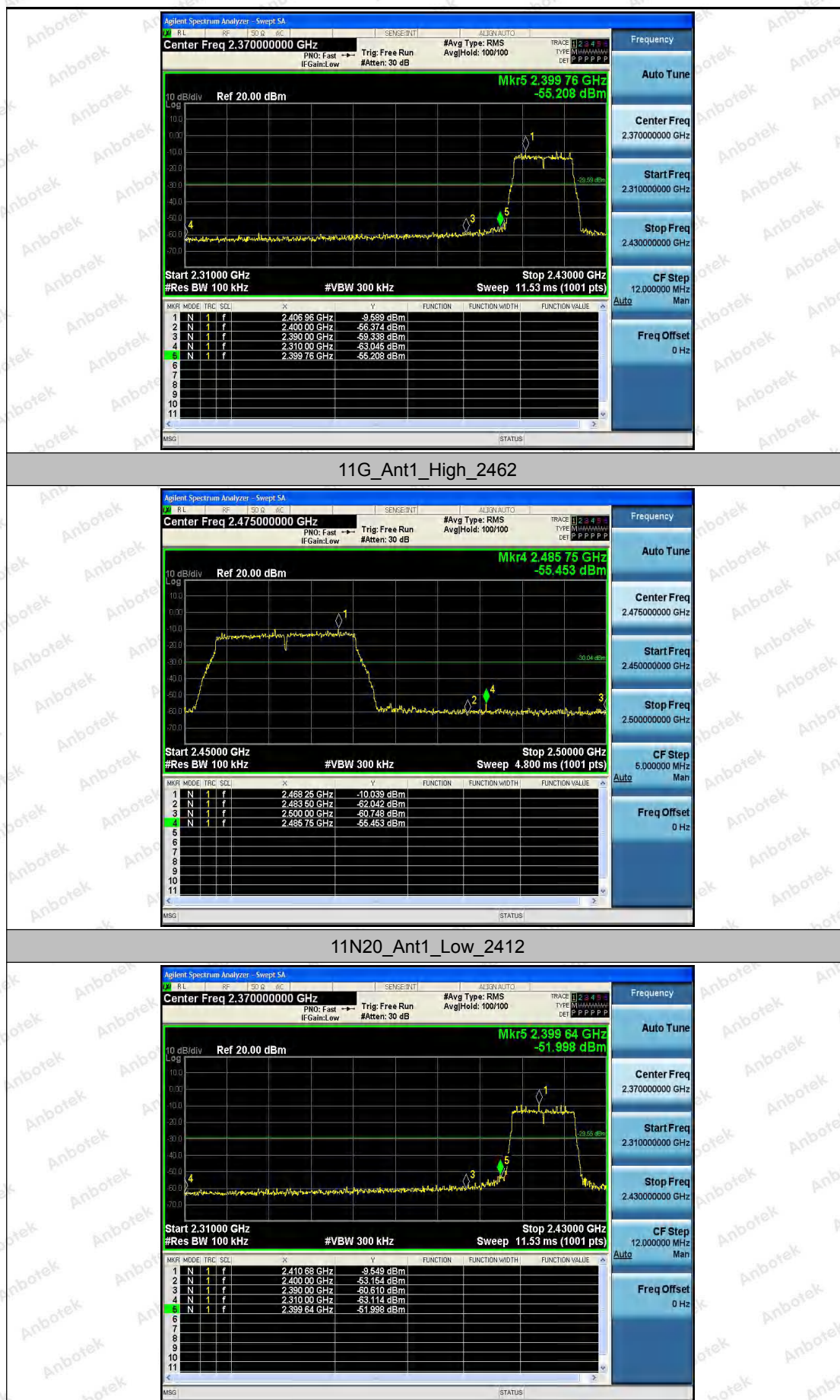
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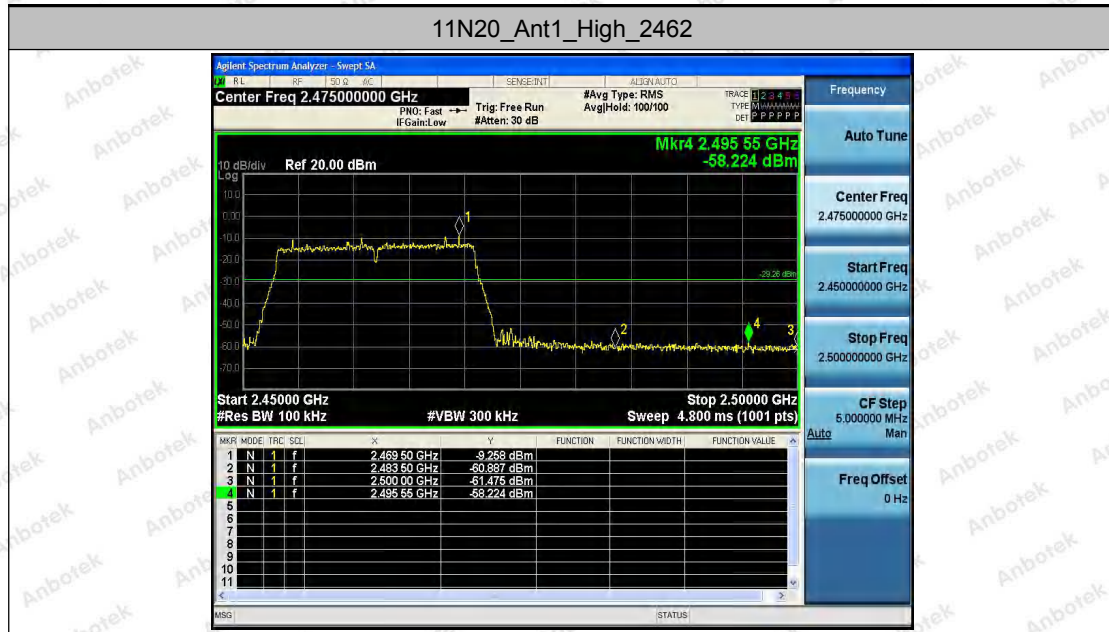


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Appendix F: Conducted Spurious Emission

Test Result

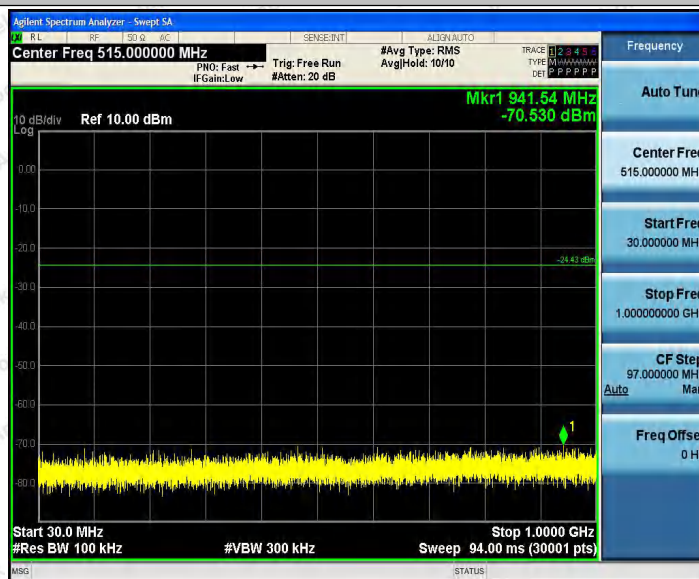
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-4.43	-4.43	---	PASS
			30~1000	-4.43	-70.53	≤-24.43	PASS
			1000~26500	-4.43	-45.28	≤-24.43	PASS
		2437	Reference	-4.42	-4.42	---	PASS
			30~1000	-4.42	-70.68	≤-24.42	PASS
			1000~26500	-4.42	-48.19	≤-24.42	PASS
		2462	Reference	-3.33	-3.33	---	PASS
			30~1000	-3.33	-69.83	≤-23.33	PASS
			1000~26500	-3.33	-52.68	≤-23.33	PASS
11G	Ant1	2412	Reference	-10.30	-10.30	---	PASS
			30~1000	-10.30	-70.27	≤-30.3	PASS
			1000~26500	-10.30	-46.72	≤-30.3	PASS
		2437	Reference	-10.37	-10.37	---	PASS
			30~1000	-10.37	-70.04	≤-30.37	PASS
			1000~26500	-10.37	-55.4	≤-30.37	PASS
		2462	Reference	-9.54	-9.54	---	PASS
			30~1000	-9.54	-70.32	≤-29.54	PASS
			1000~26500	-9.54	-55.51	≤-29.54	PASS
11N20	Ant1	2412	Reference	-9.74	-9.74	---	PASS
			30~1000	-9.74	-70.67	≤-29.74	PASS
			1000~26500	-9.74	-54.82	≤-29.74	PASS
		2437	Reference	-10.12	-10.12	---	PASS
			30~1000	-10.12	-70.24	≤-30.12	PASS
			1000~26500	-10.12	-55.12	≤-30.12	PASS
		2462	Reference	-9.12	-9.12	---	PASS
			30~1000	-9.12	-70.03	≤-29.12	PASS
			1000~26500	-9.12	-54.8	≤-29.12	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

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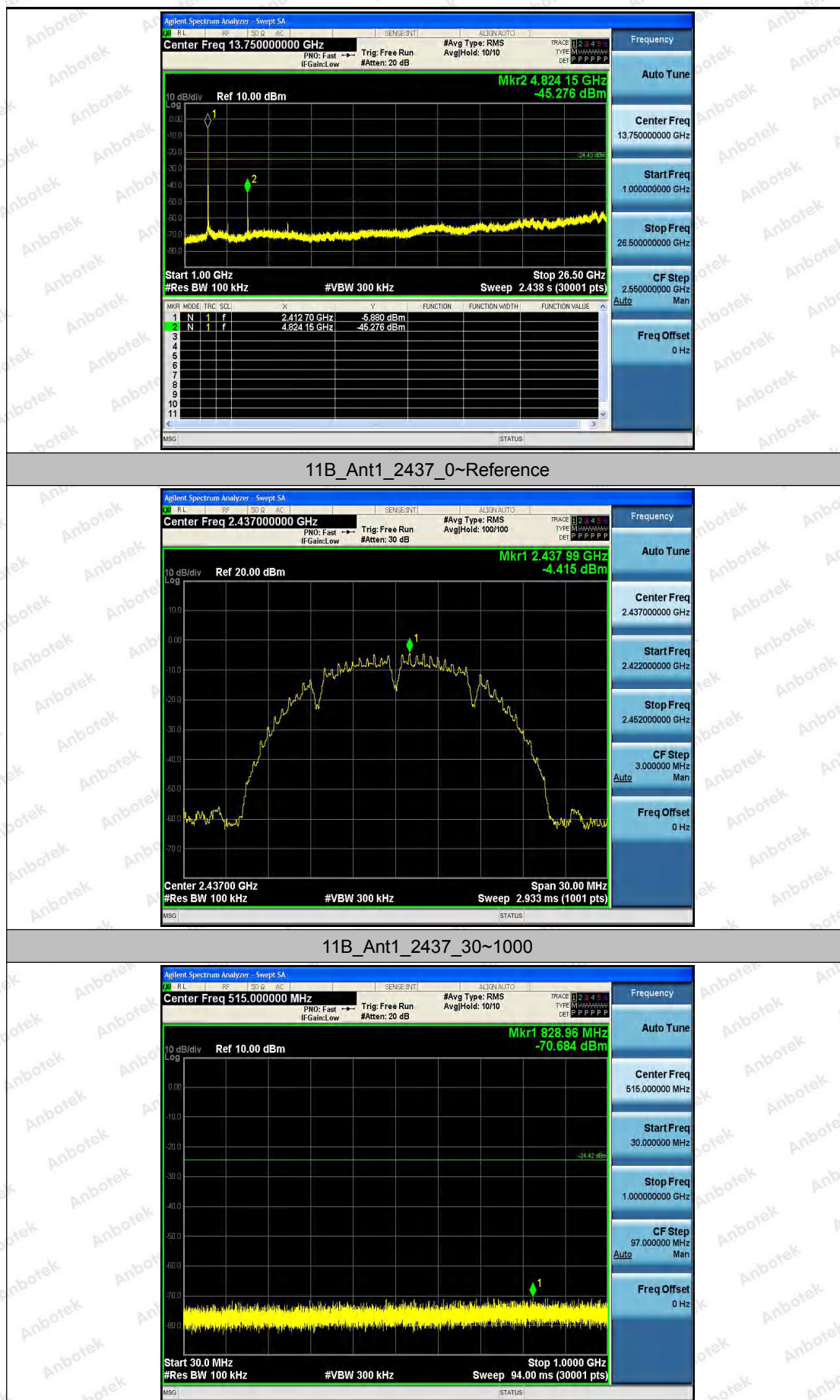
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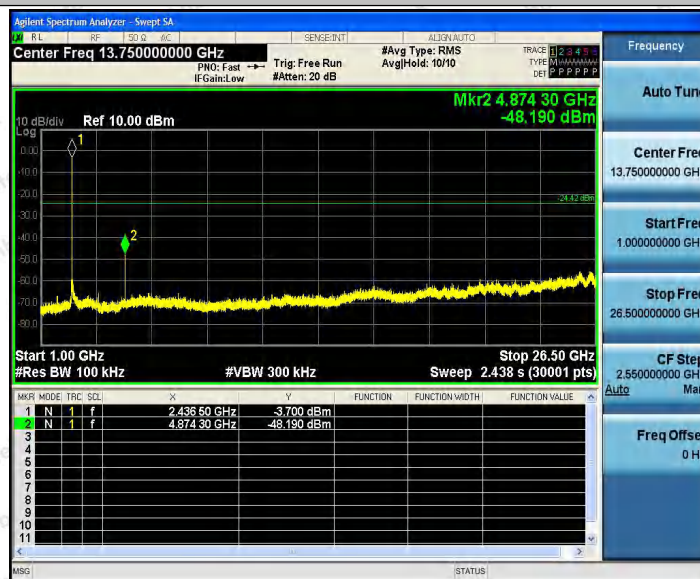
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



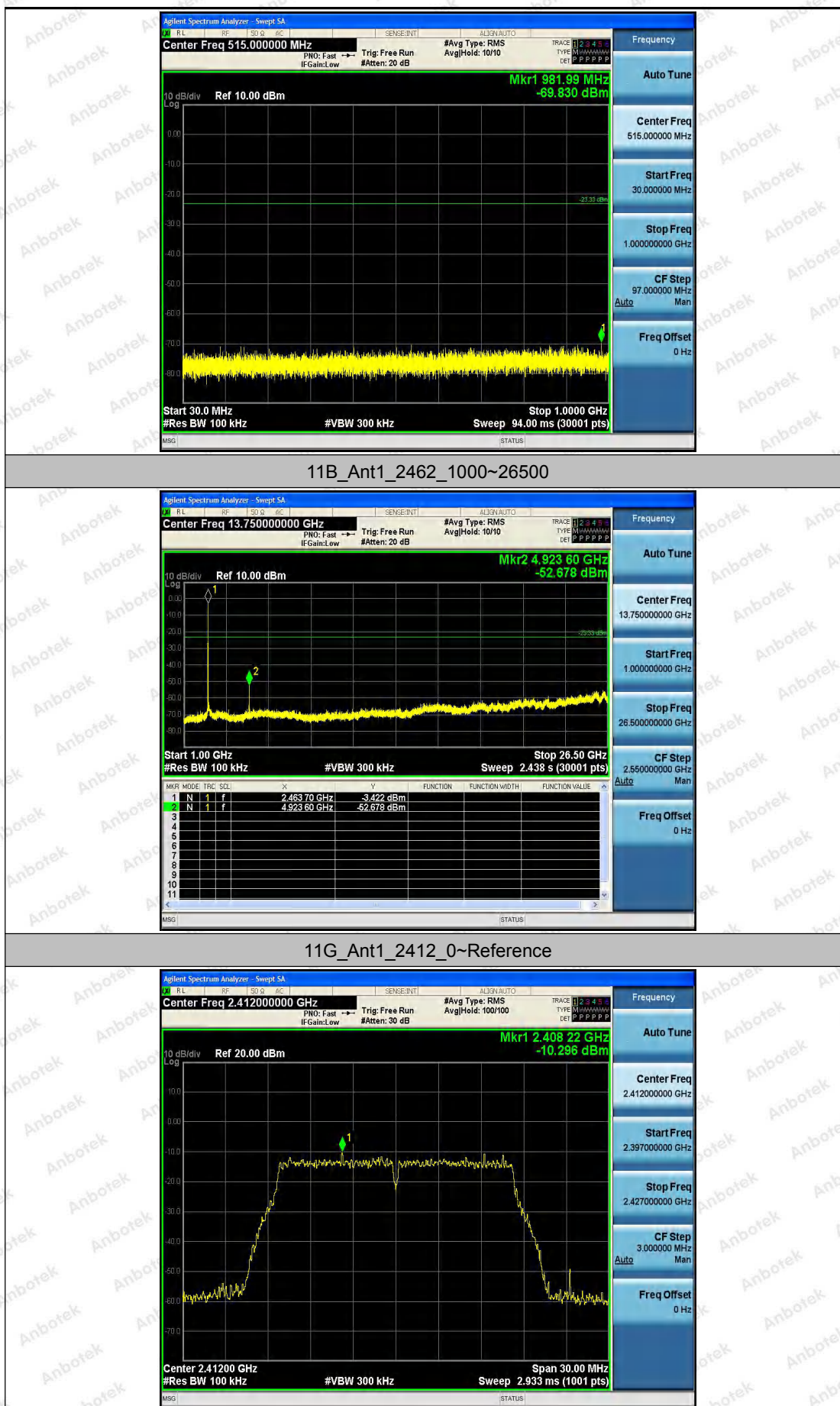
11B_Ant1_2462_30~1000

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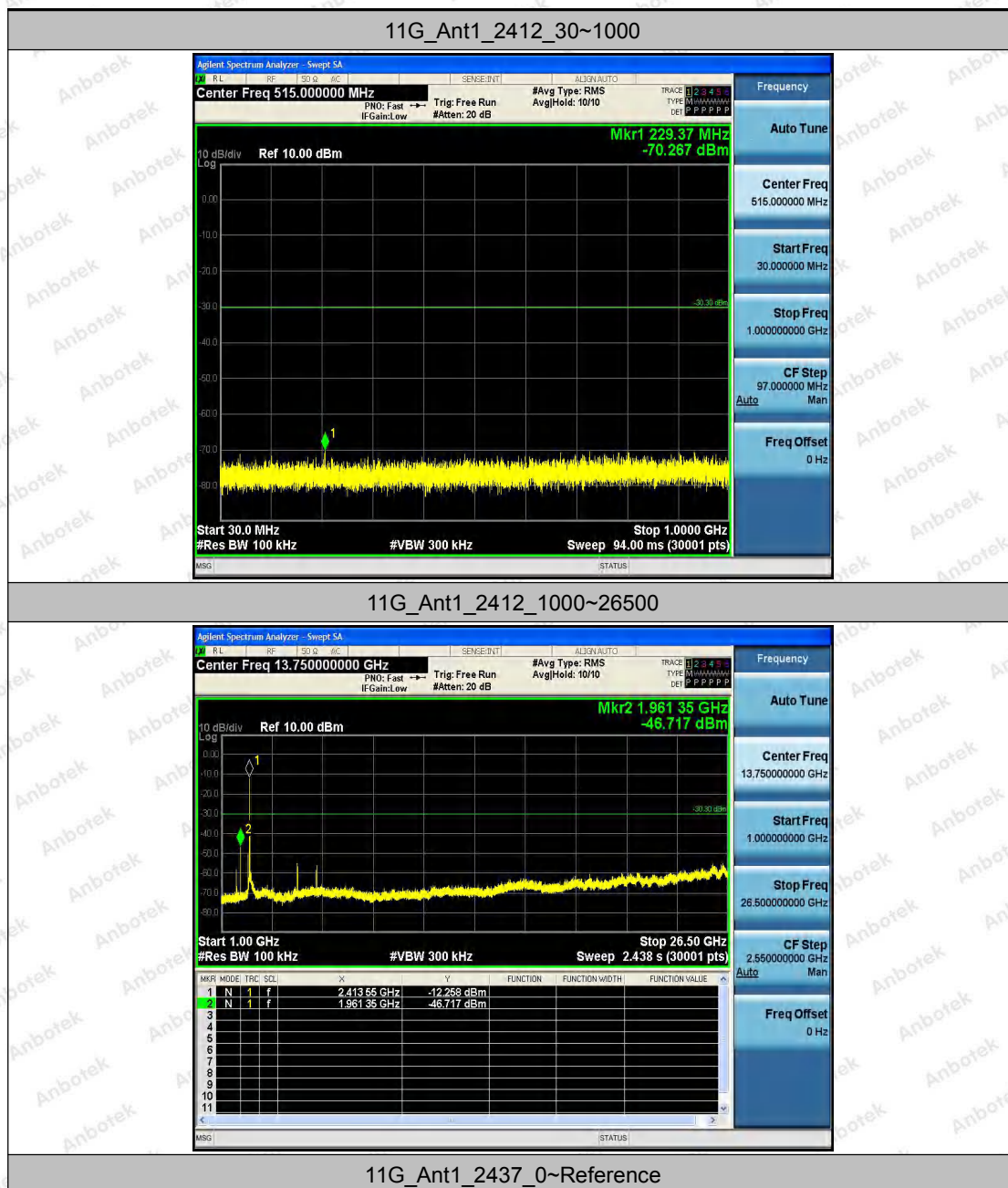


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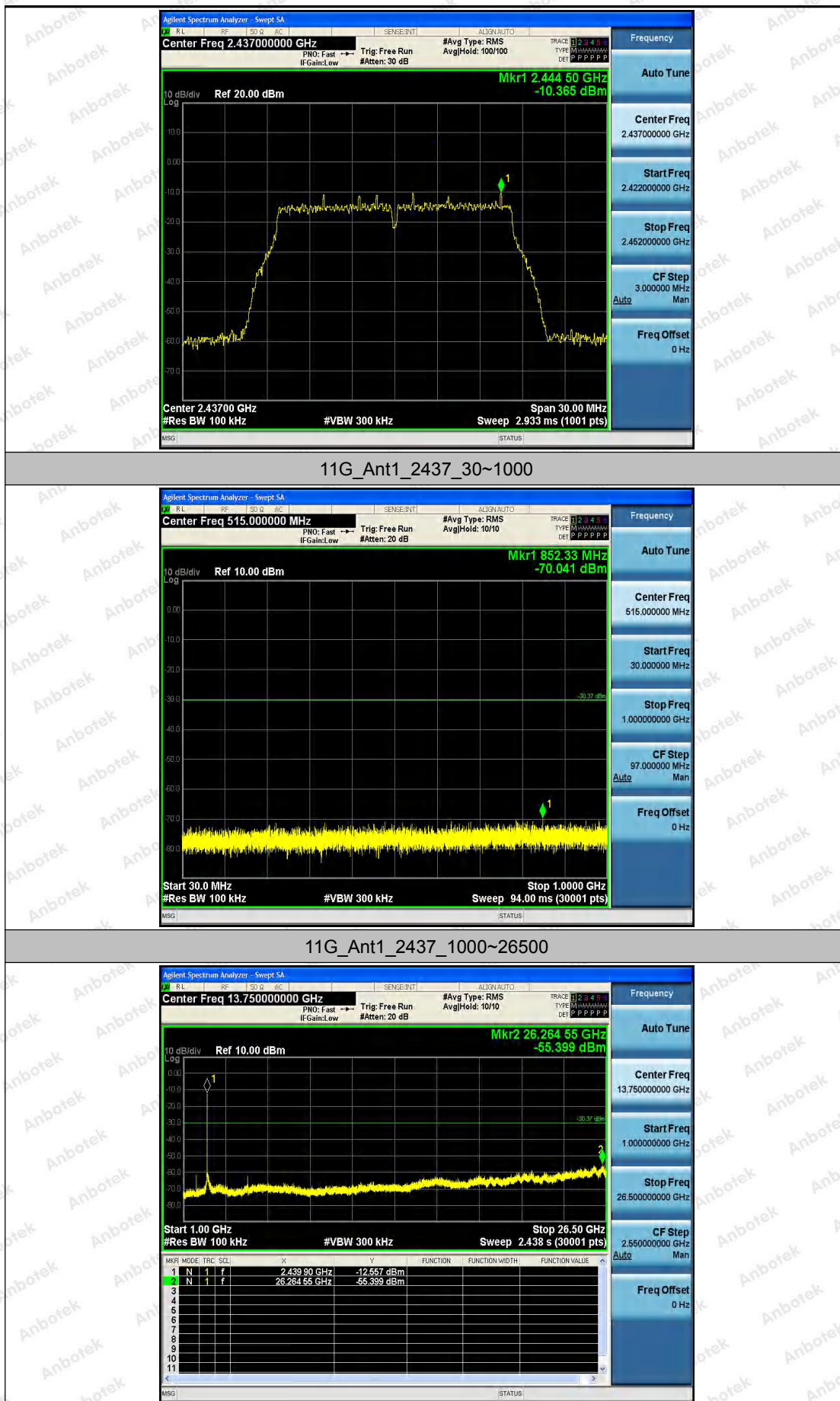


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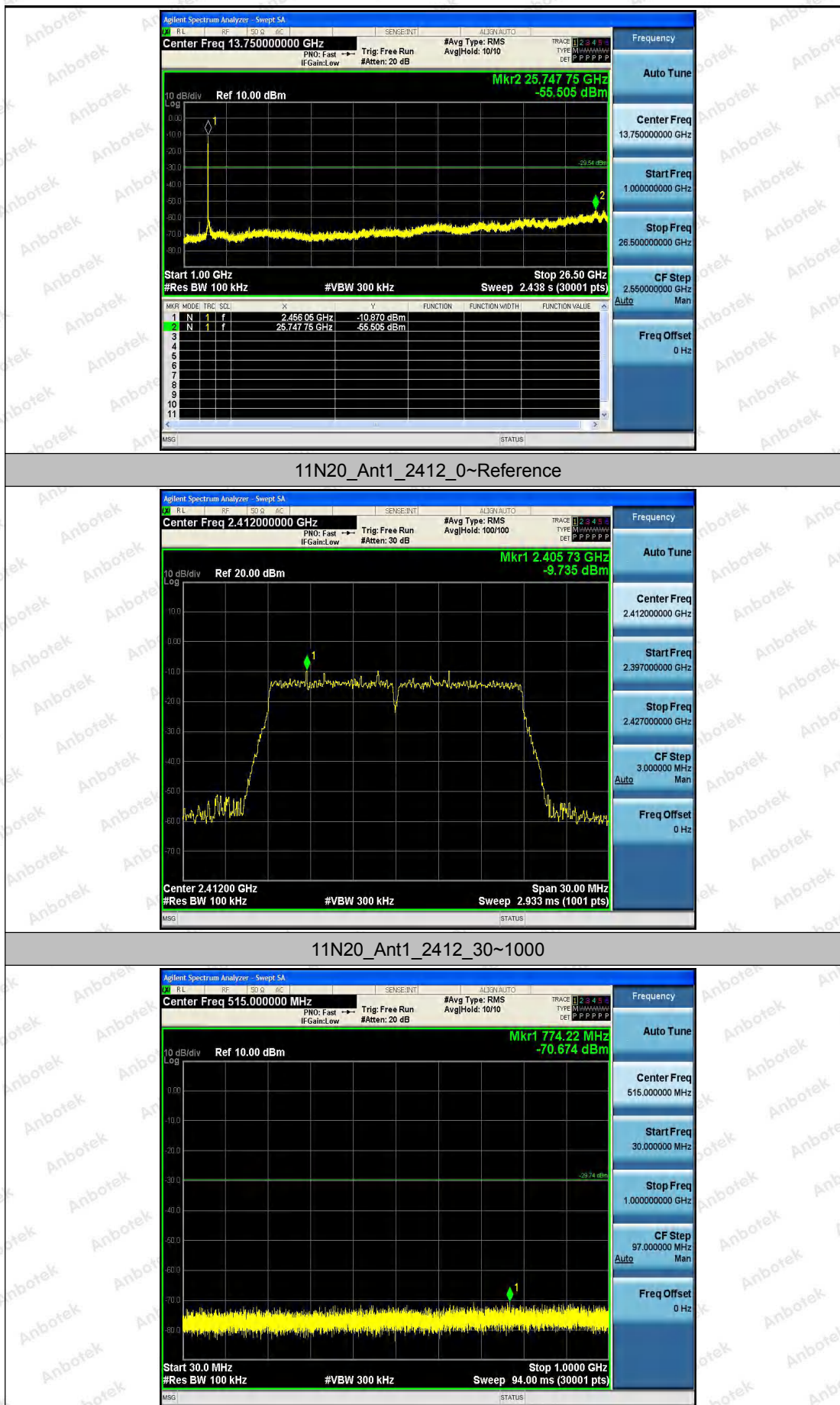


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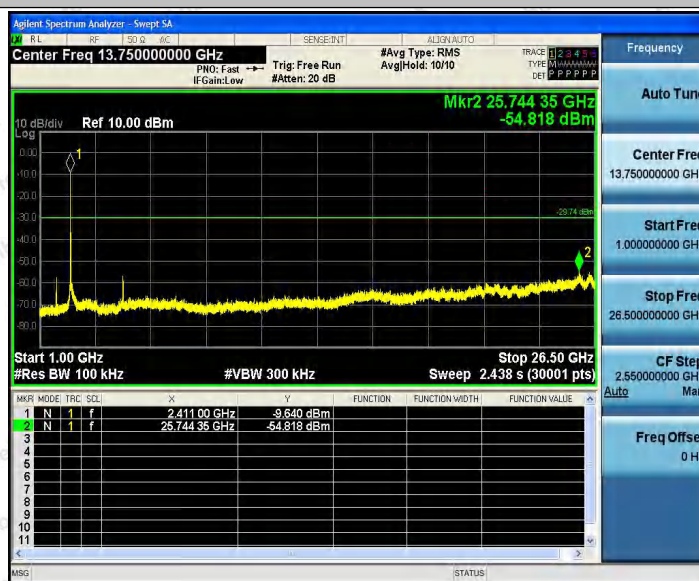
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



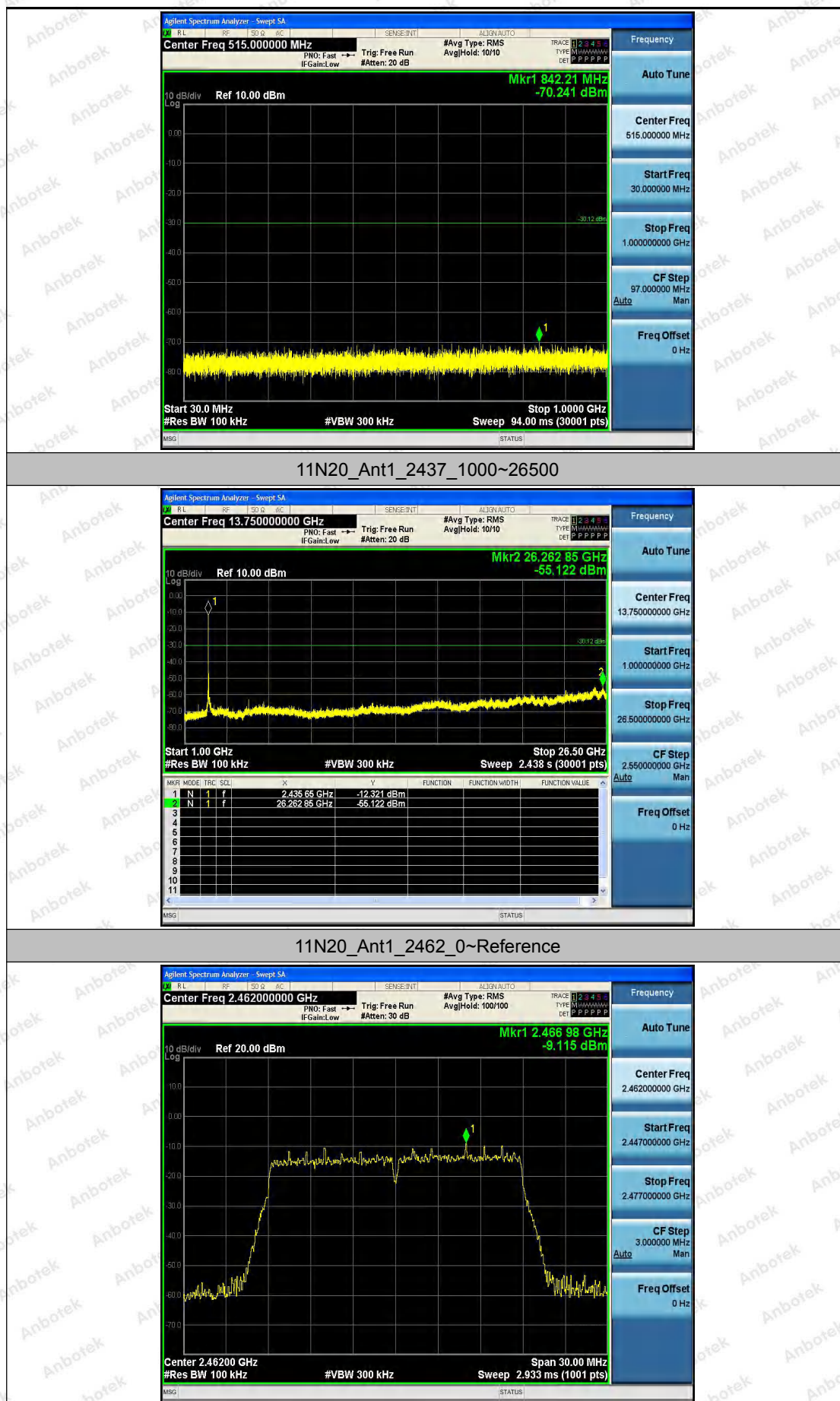
11N20_Ant1_2437_30~1000

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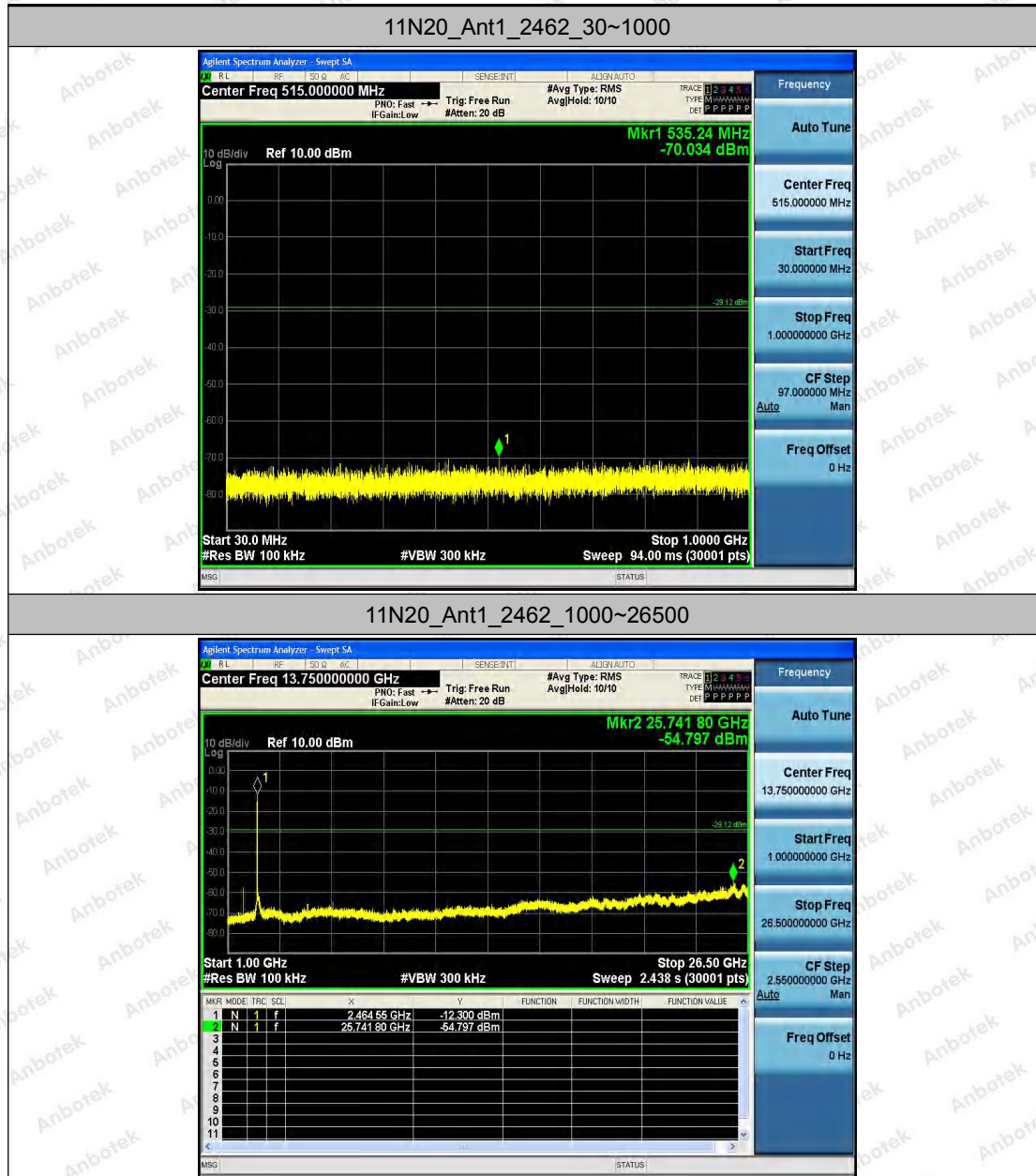


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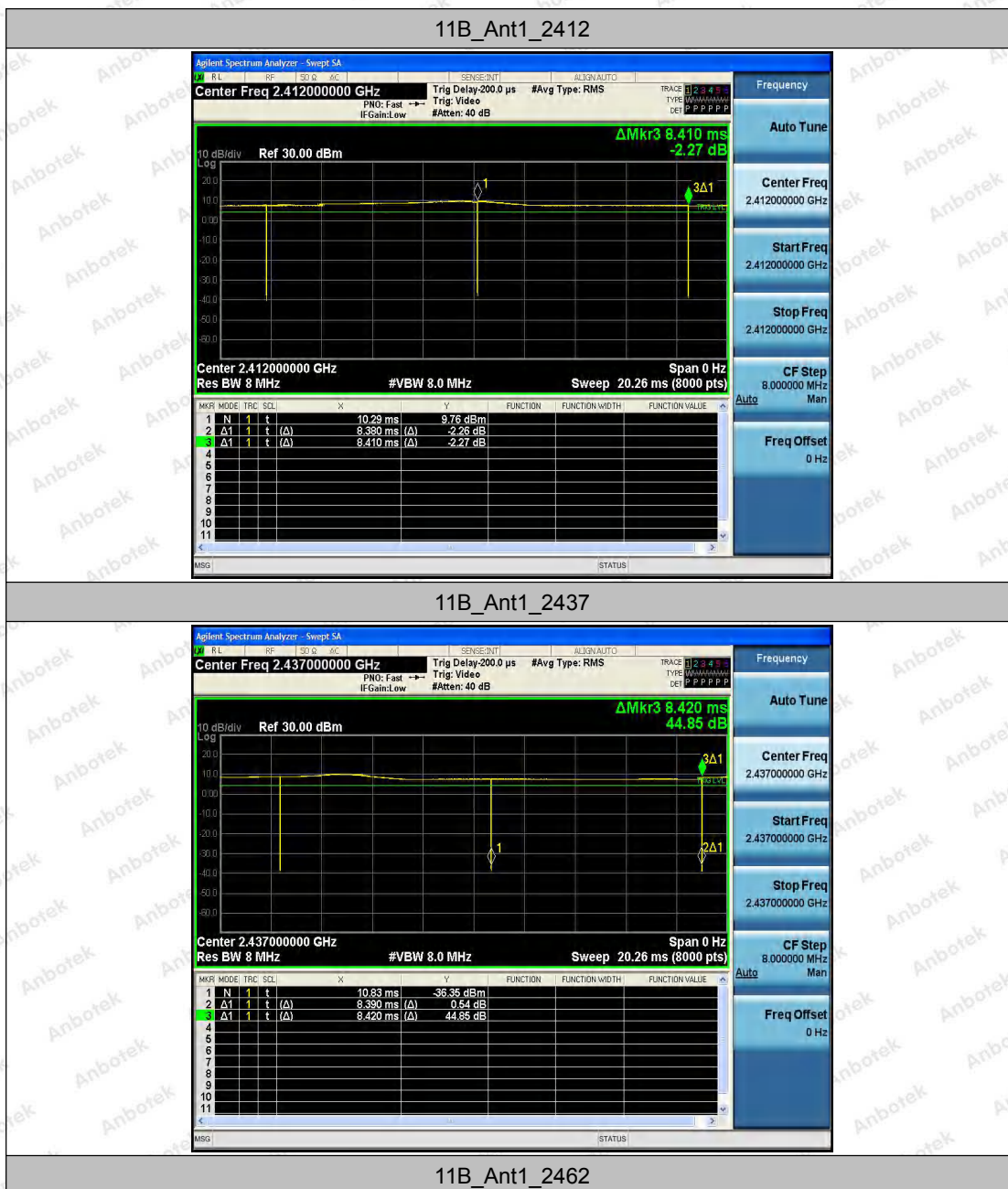
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.39	8.42	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.40	1.43	97.90	---	PASS
		2462	1.39	1.42	97.89	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.34	97.01	---	PASS
		2462	1.30	1.33	97.74	---	PASS

Test Graphs

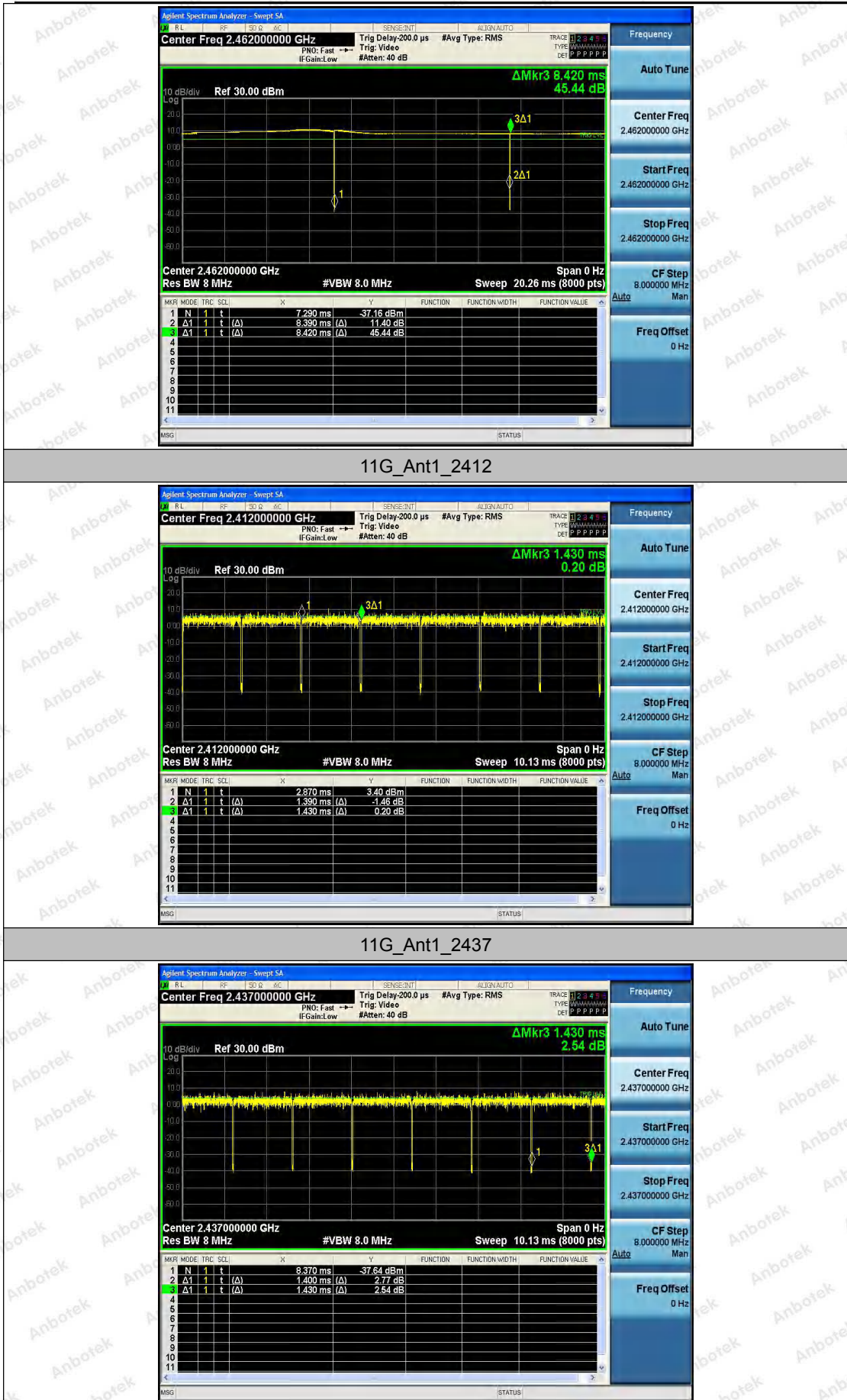


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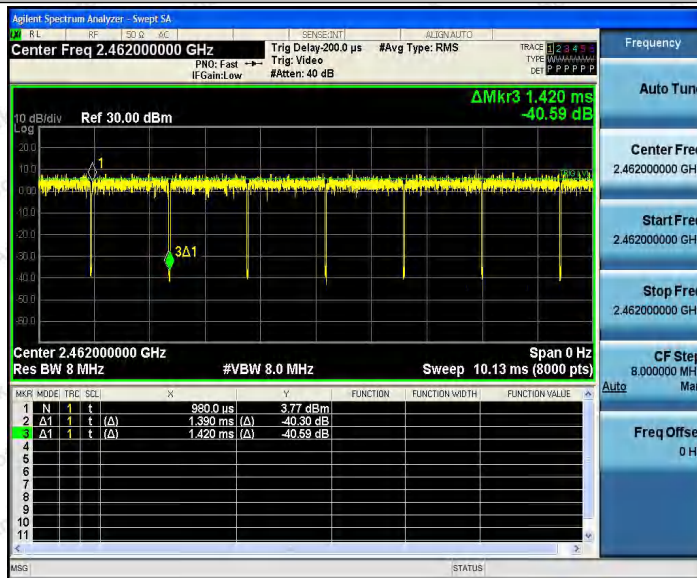
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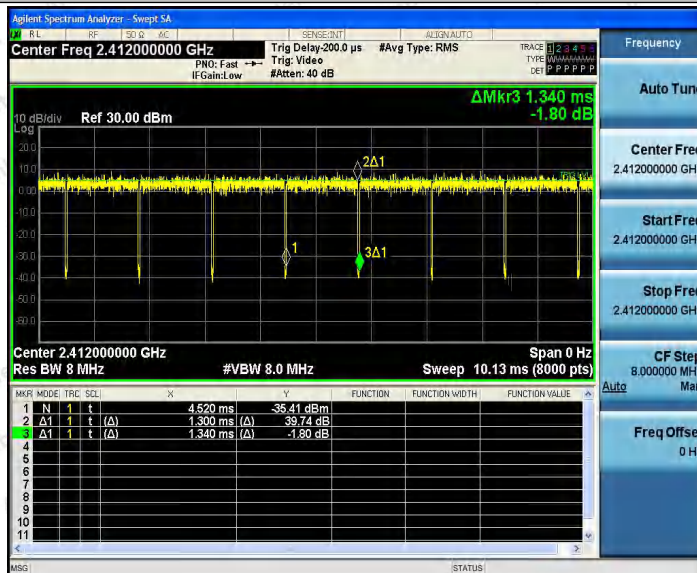
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11G_Ant1_2462



11N20_Ant1_2412



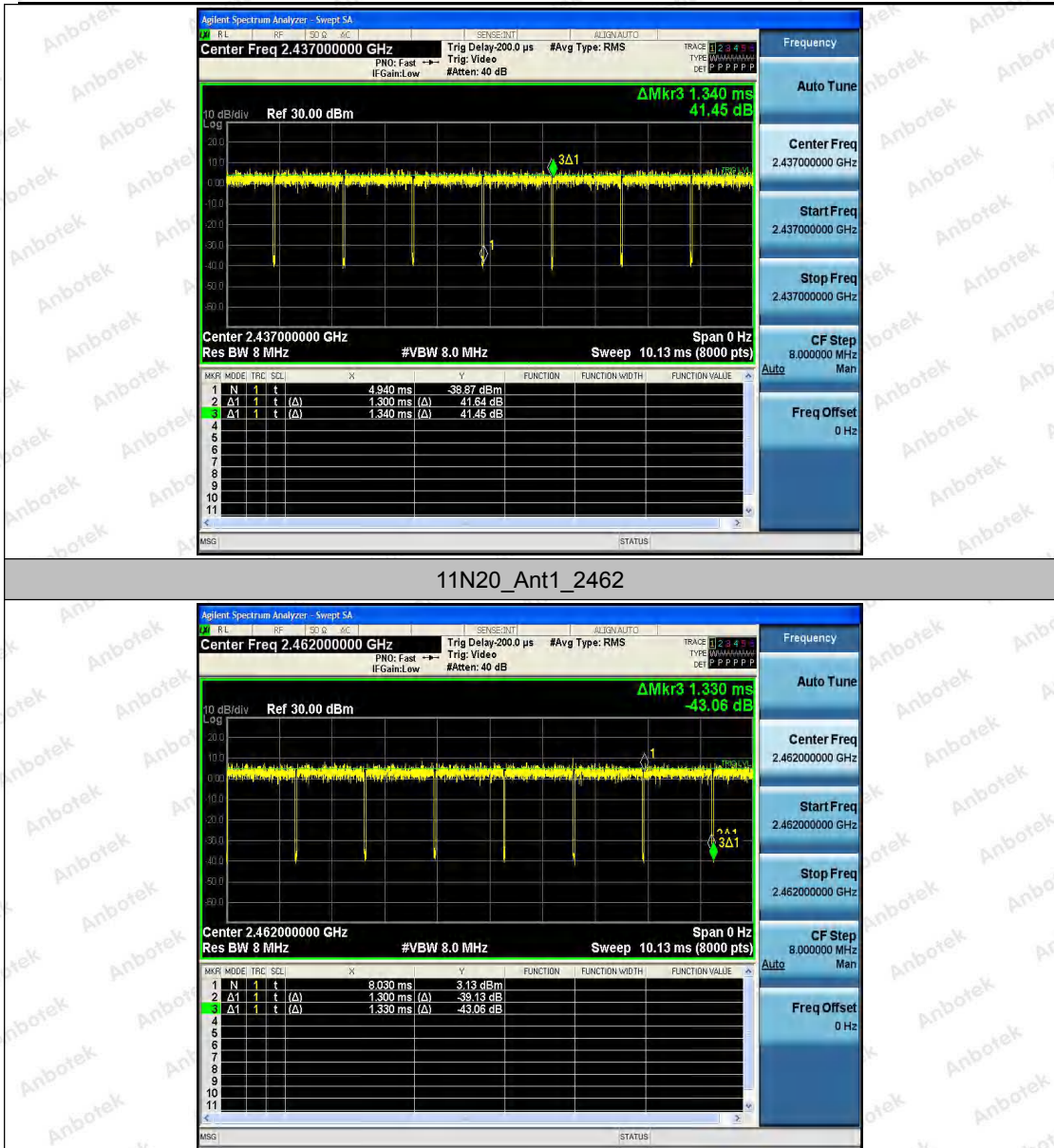
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