

Appendix Test Data

Report No.:	18220WC10212601	Test Date:	2021.9.17
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	9.680	2407.400	2417.080	≥0.5	PASS
		2437	8.680	2432.400	2441.080	≥0.5	PASS
		2462	9.160	2457.400	2466.560	≥0.5	PASS
11G	Ant1	2412	15.120	2405.080	2420.200	≥0.5	PASS
		2437	15.720	2429.080	2444.800	≥0.5	PASS
		2462	15.360	2454.440	2469.800	≥0.5	PASS
11N20	Ant1	2412	16.400	2404.440	2420.840	≥0.5	PASS
		2437	15.800	2429.400	2445.200	≥0.5	PASS
		2462	17.200	2453.600	2470.800	≥0.5	PASS
11N40	Ant1	2422	32.760	2406.880	2439.640	≥0.5	PASS
		2437	35.280	2419.360	2454.640	≥0.5	PASS
		2452	35.220	2434.360	2469.580	≥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



11N20_Ant1_2437

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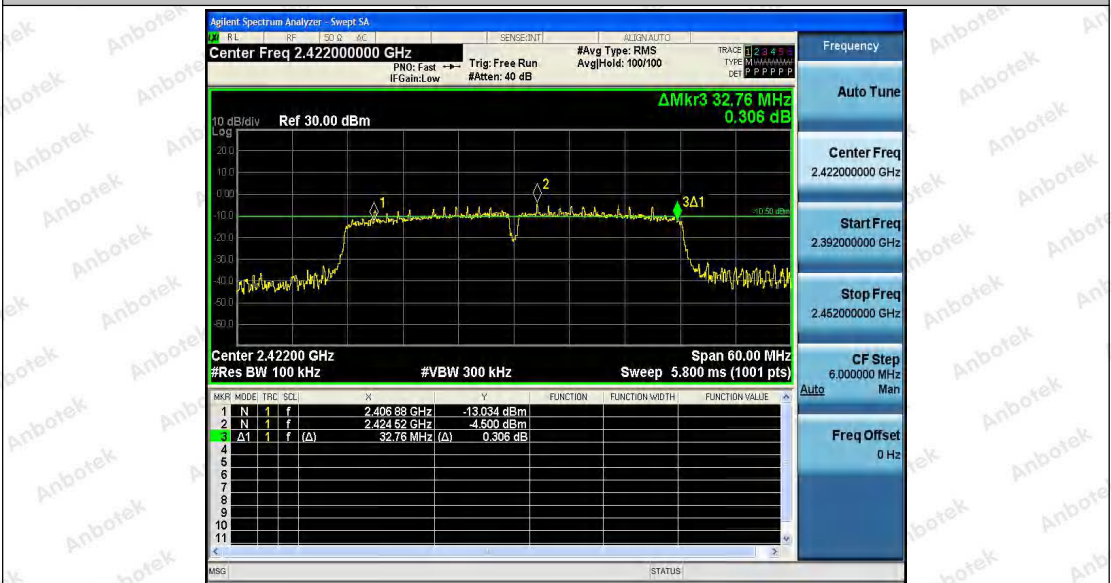
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11N20_Ant1_2462



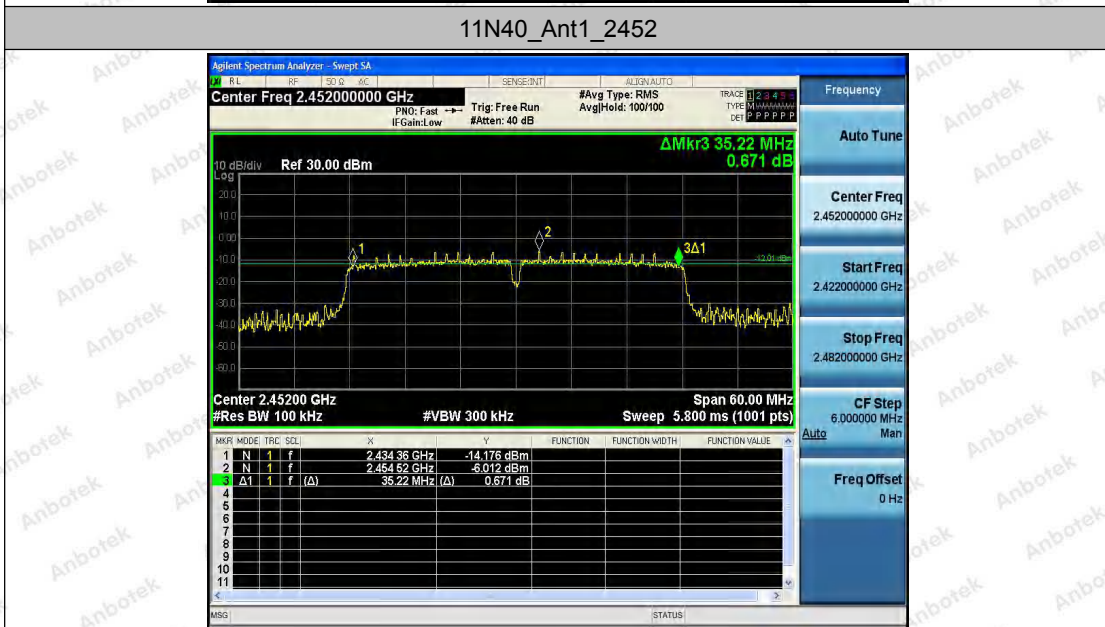
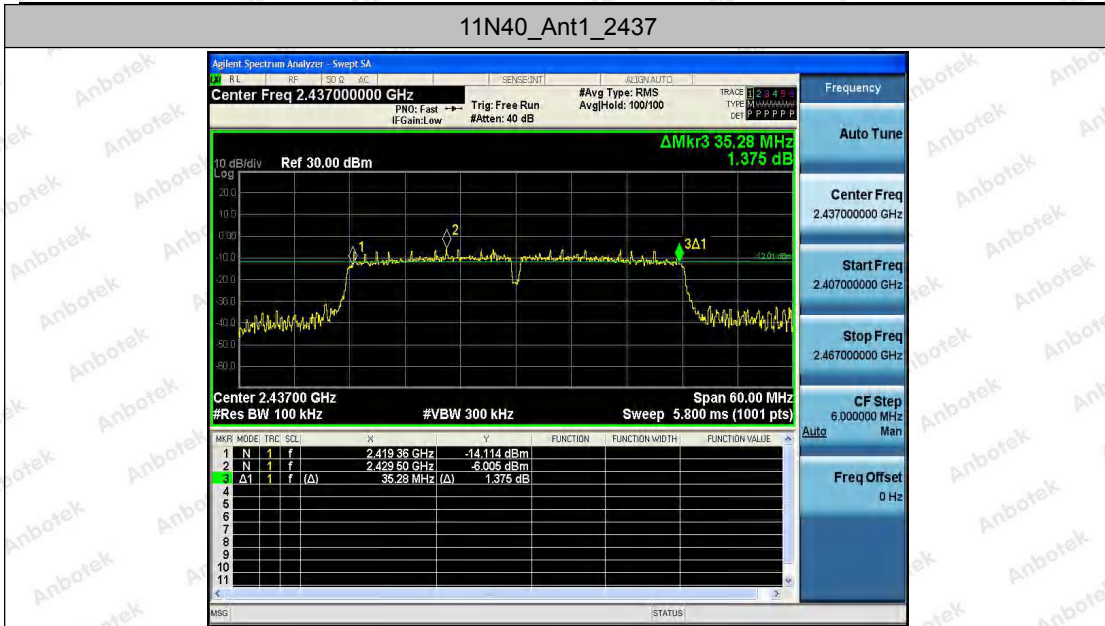
11N40_Ant1_2422



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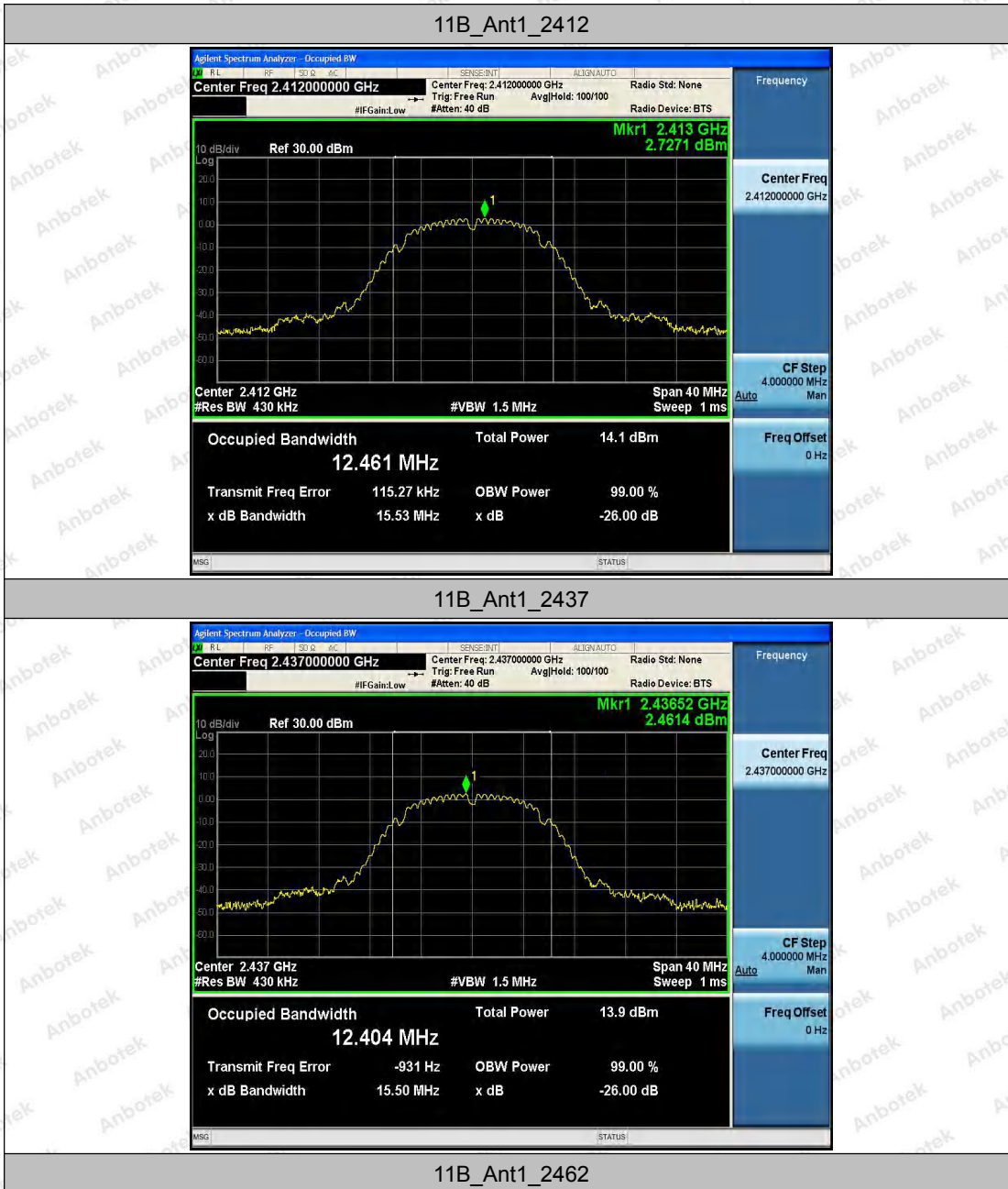
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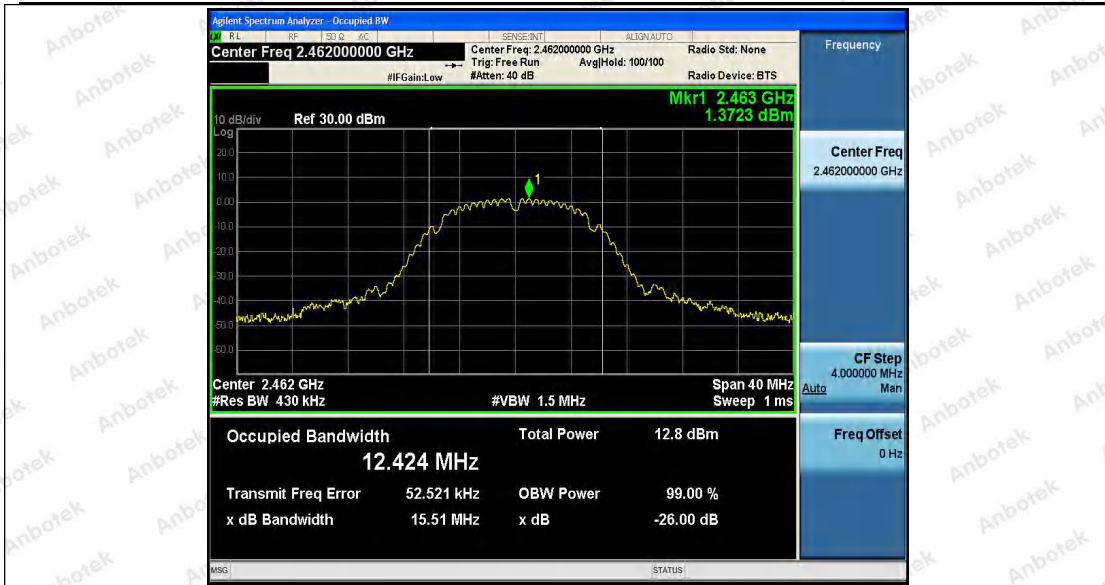
Appendix B: Occupied Channel Bandwidth

Test Result

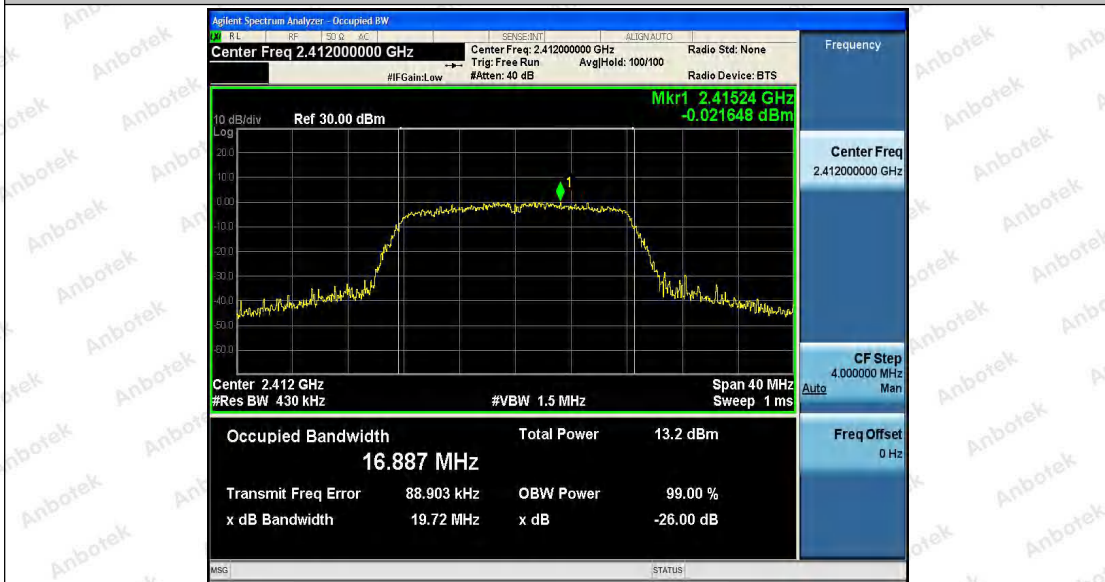
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.461	2405.885	2418.346	---	PASS
		2437	12.404	2430.797	2443.201	---	PASS
		2462	12.424	2455.841	2468.265	---	PASS
11G	Ant1	2412	16.887	2403.645	2420.532	---	PASS
		2437	16.903	2428.568	2445.471	---	PASS
		2462	17.183	2453.475	2470.658	---	PASS
11N20	Ant1	2412	17.731	2403.199	2420.930	---	PASS
		2437	17.813	2428.072	2445.885	---	PASS
		2462	17.992	2453.089	2471.081	---	PASS
11N40	Ant1	2422	35.854	2404.193	2440.047	---	PASS
		2437	36.069	2419.041	2455.110	---	PASS
		2452	36.141	2433.988	2470.129	---	PASS

Test Graphs

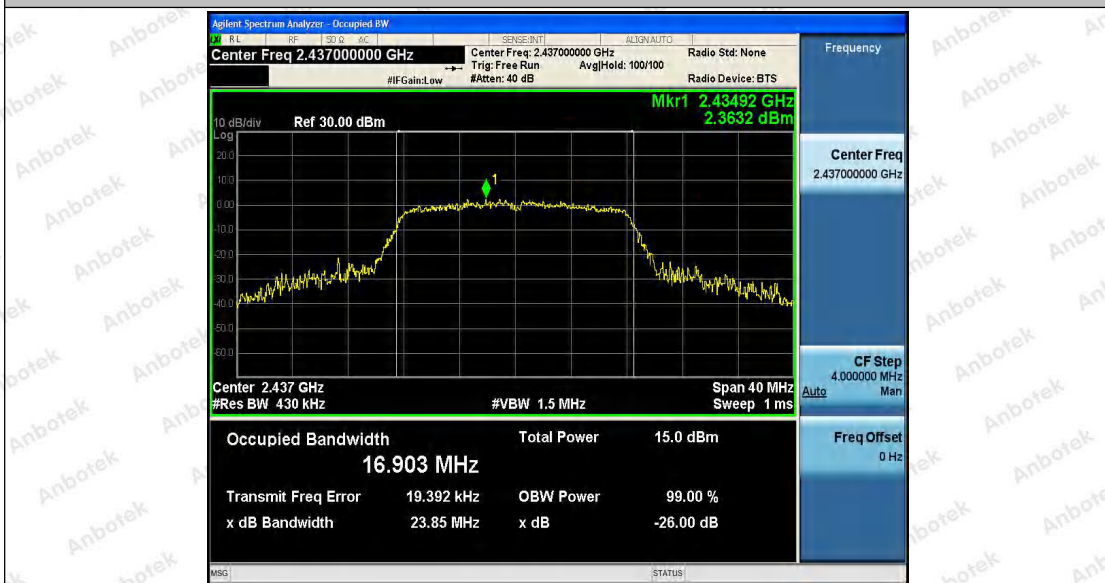




11G_Ant1_2412



11G_Ant1_2437

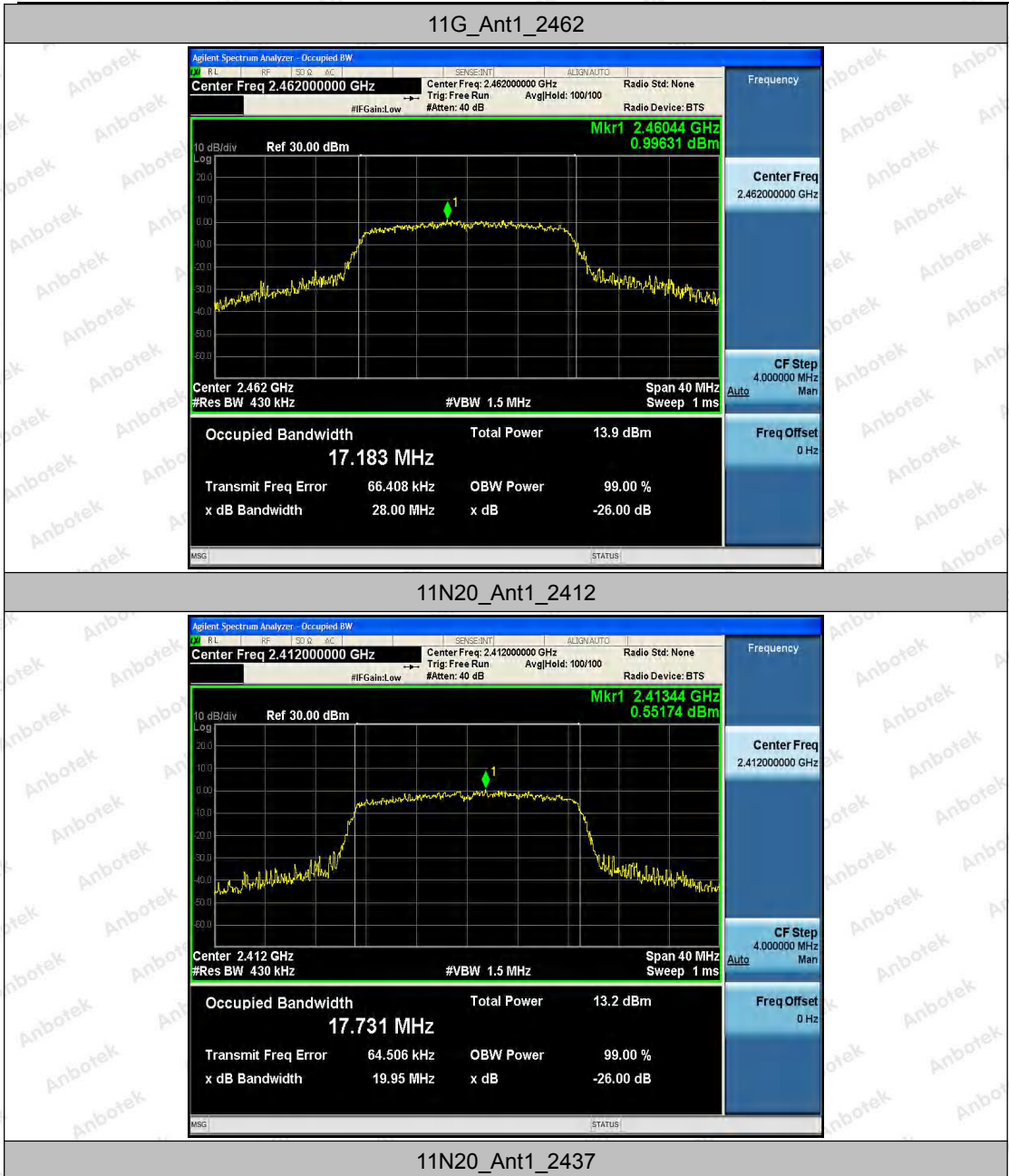


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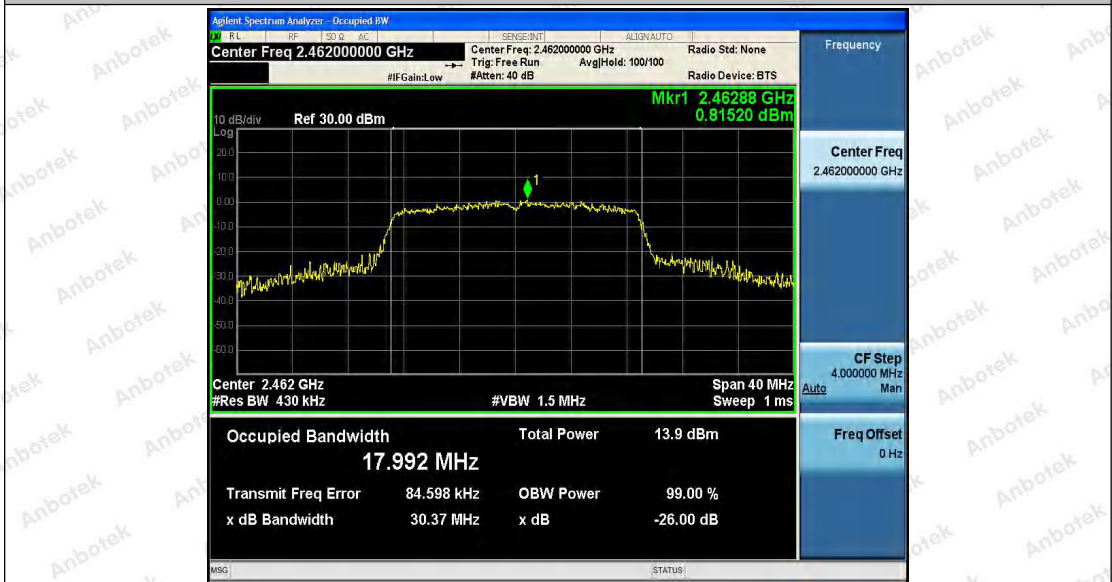
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11N20_Ant1_2462



11N40_Ant1_2422

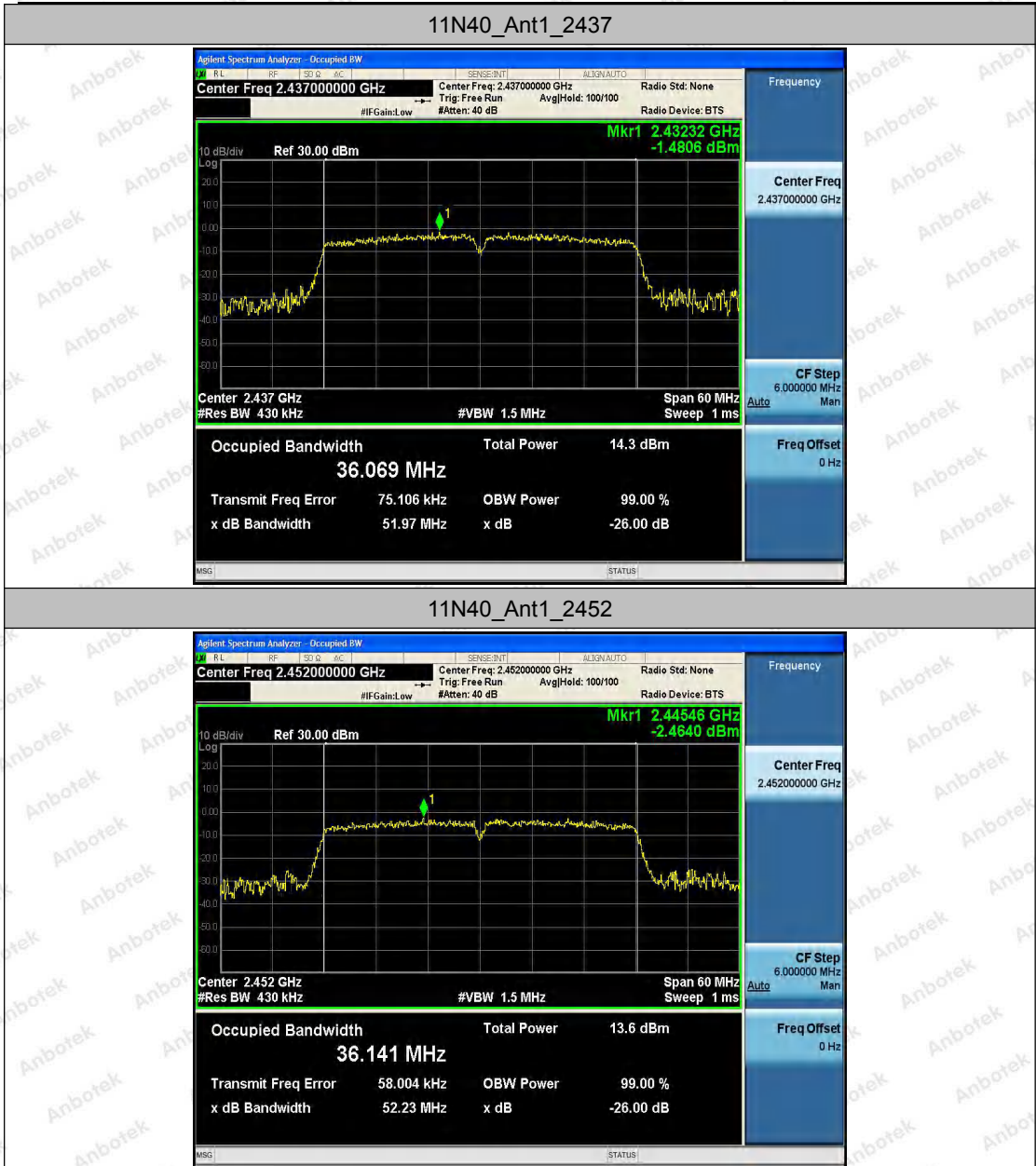


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Appendix C: Maximum conducted output power

Test Result

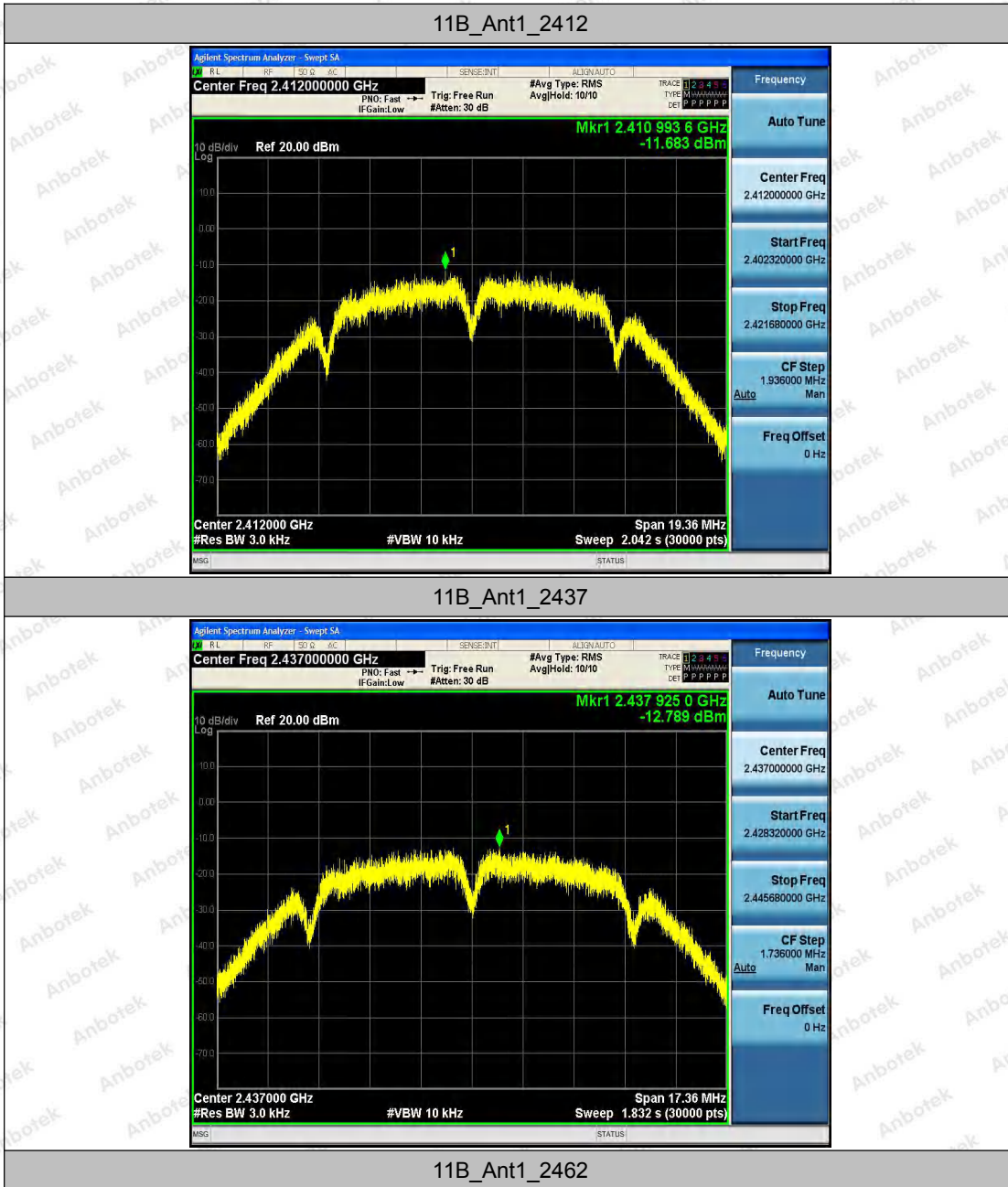
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.12	≤30	PASS
		2437	13.89	≤30	PASS
		2462	12.79	≤30	PASS
11G	Ant1	2412	14.24	≤30	PASS
		2437	16.04	≤30	PASS
		2462	14.98	≤30	PASS
11N20	Ant1	2412	14.30	≤30	PASS
		2437	16.01	≤30	PASS
		2462	15.03	≤30	PASS
11N40	Ant1	2422	14.00	≤30	PASS
		2437	13.29	≤30	PASS
		2452	12.64	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.68	≤8	PASS
		2437	-12.79	≤8	PASS
		2462	-13.19	≤8	PASS
11G	Ant1	2412	-16.79	≤8	PASS
		2437	-15.76	≤8	PASS
		2462	-16.24	≤8	PASS
11N20	Ant1	2412	-17.2	≤8	PASS
		2437	-15.53	≤8	PASS
		2462	-15.79	≤8	PASS
11N40	Ant1	2422	-18.16	≤8	PASS
		2437	-19.43	≤8	PASS
		2452	-19.8	≤8	PASS

Test Graphs



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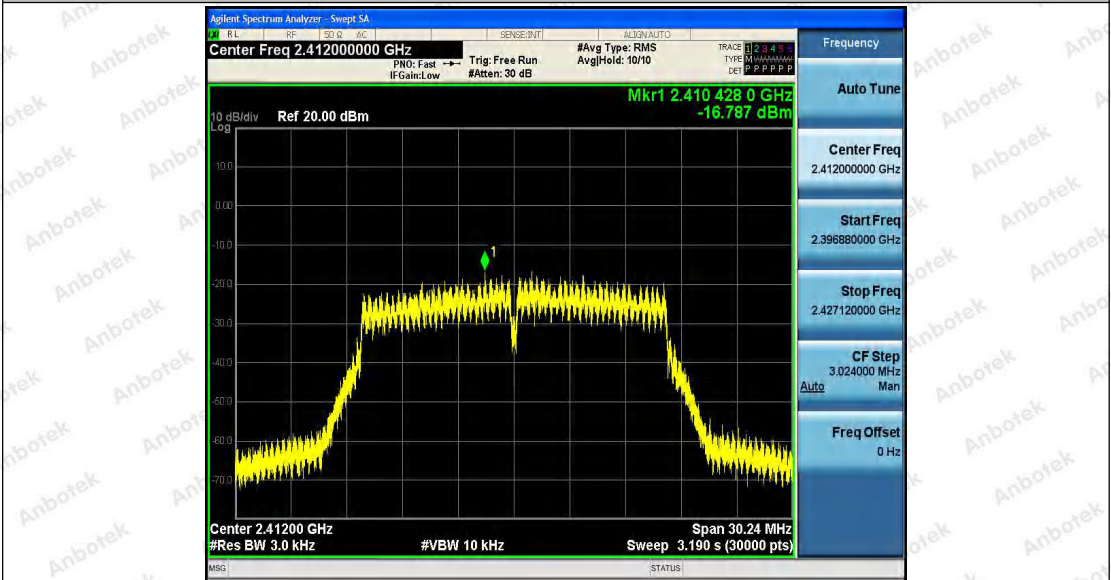
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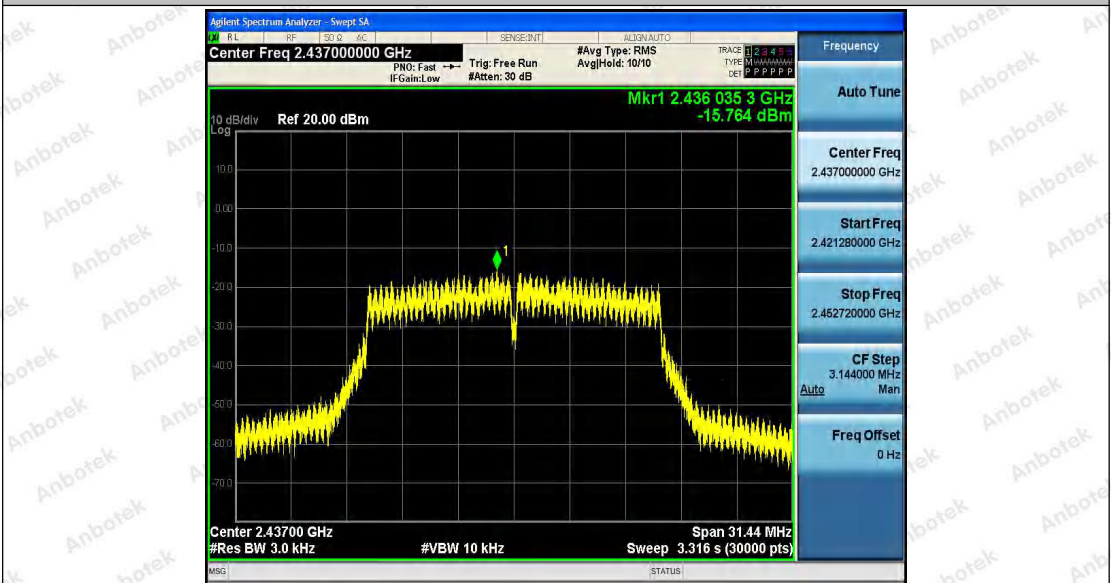
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11G_Ant1_2412



11G_Ant1_2437

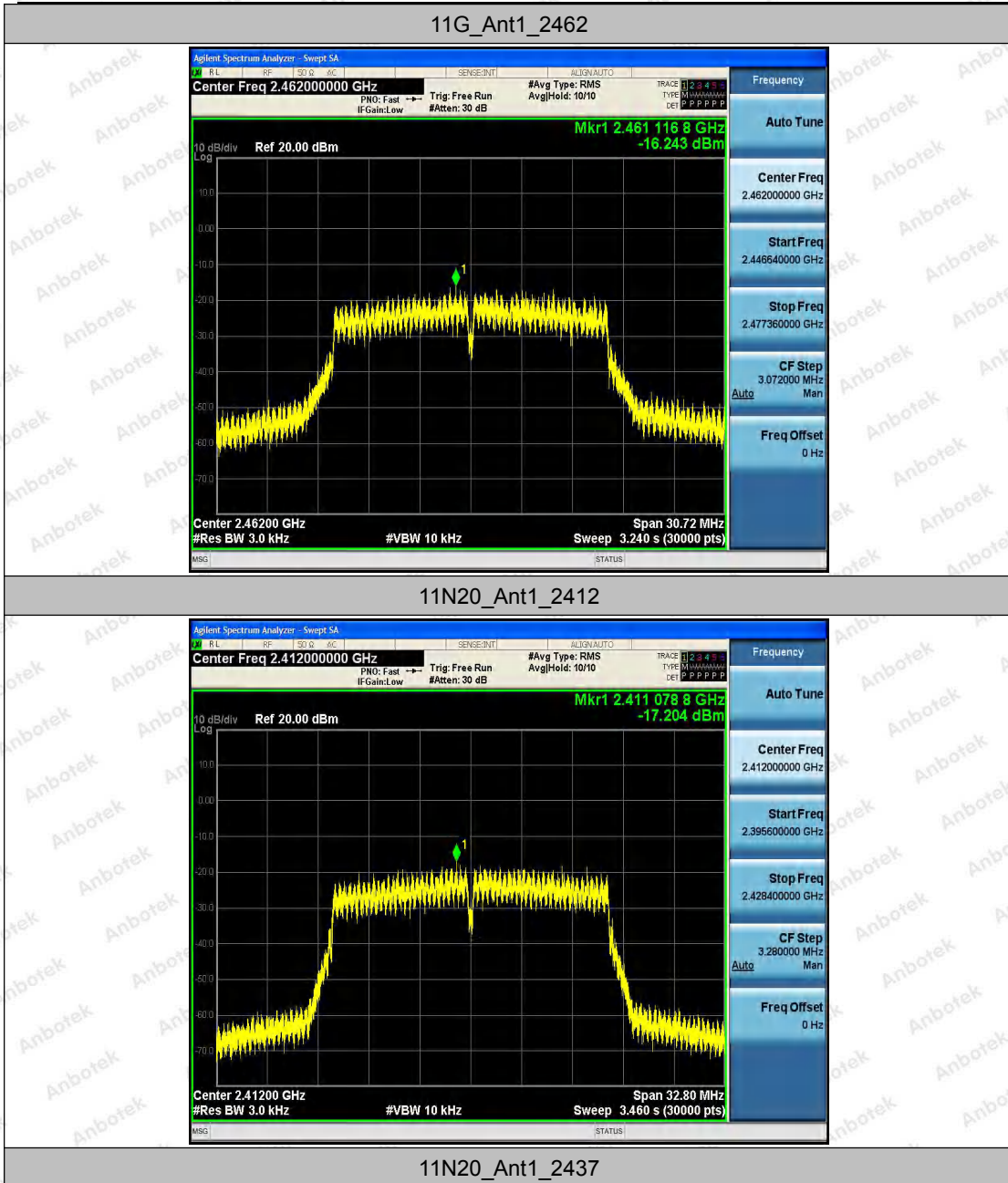


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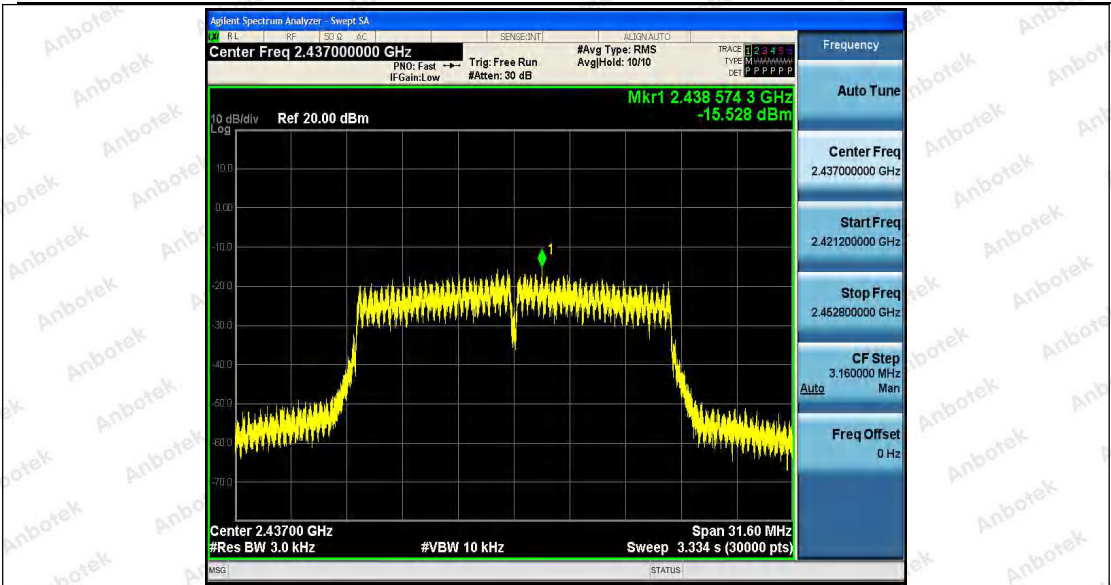
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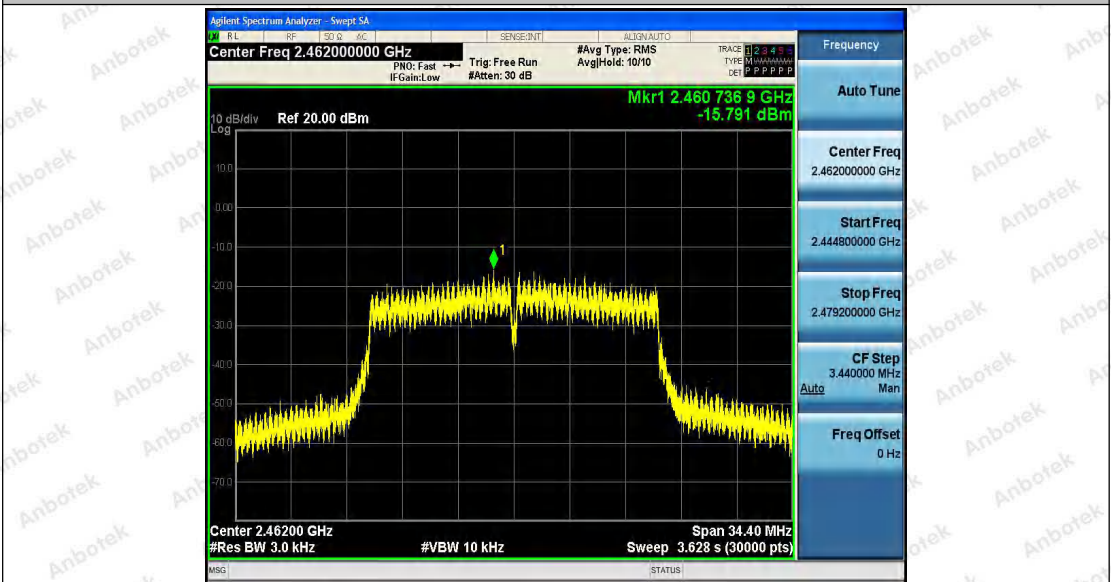
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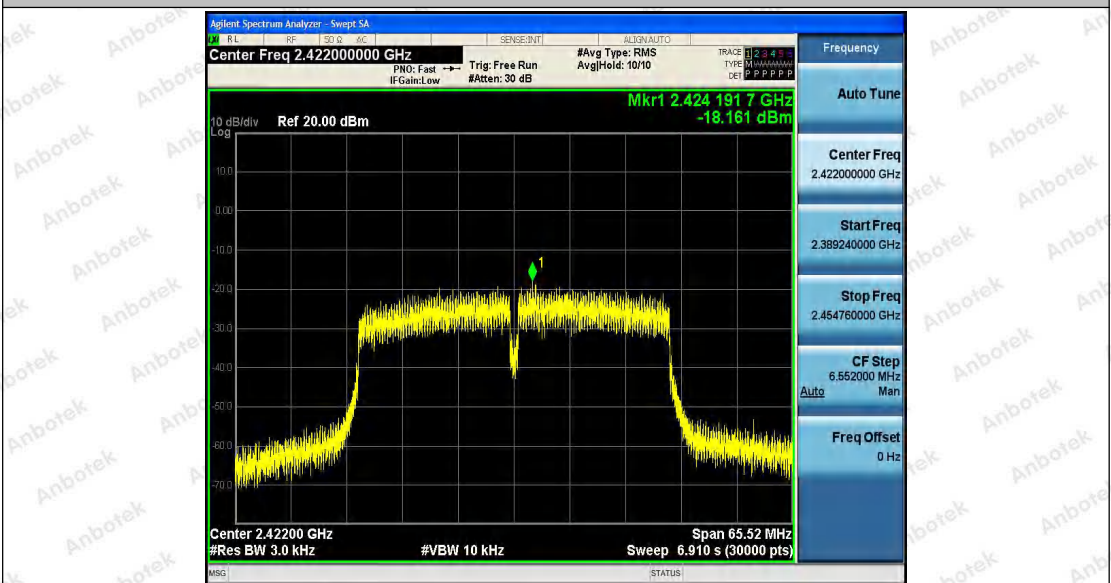
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11N20_Ant1_2462



11N40_Ant1_2422

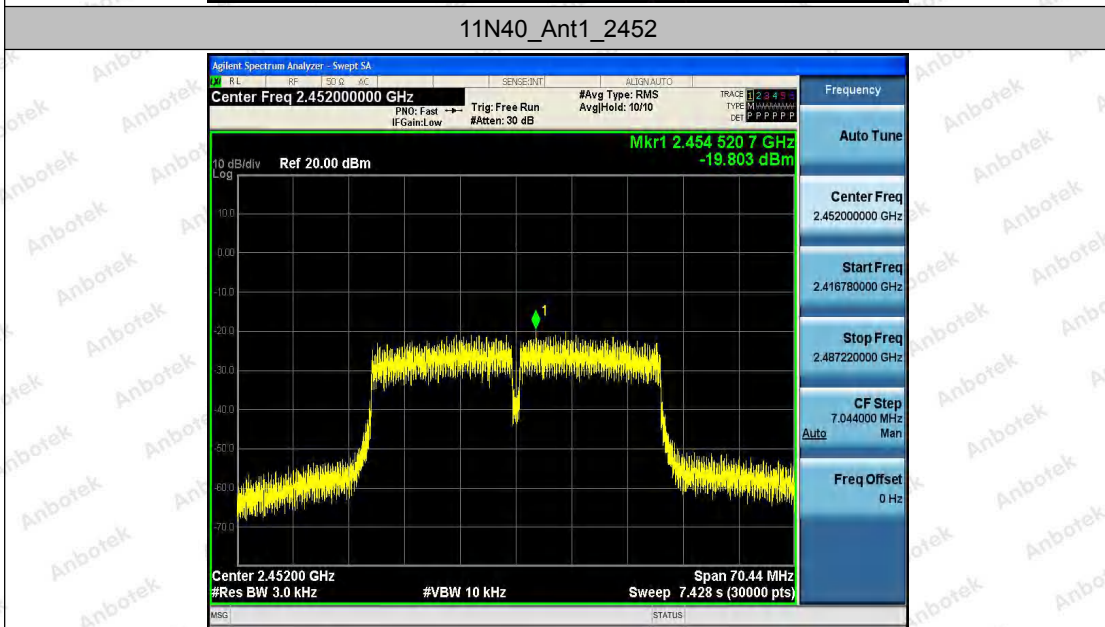
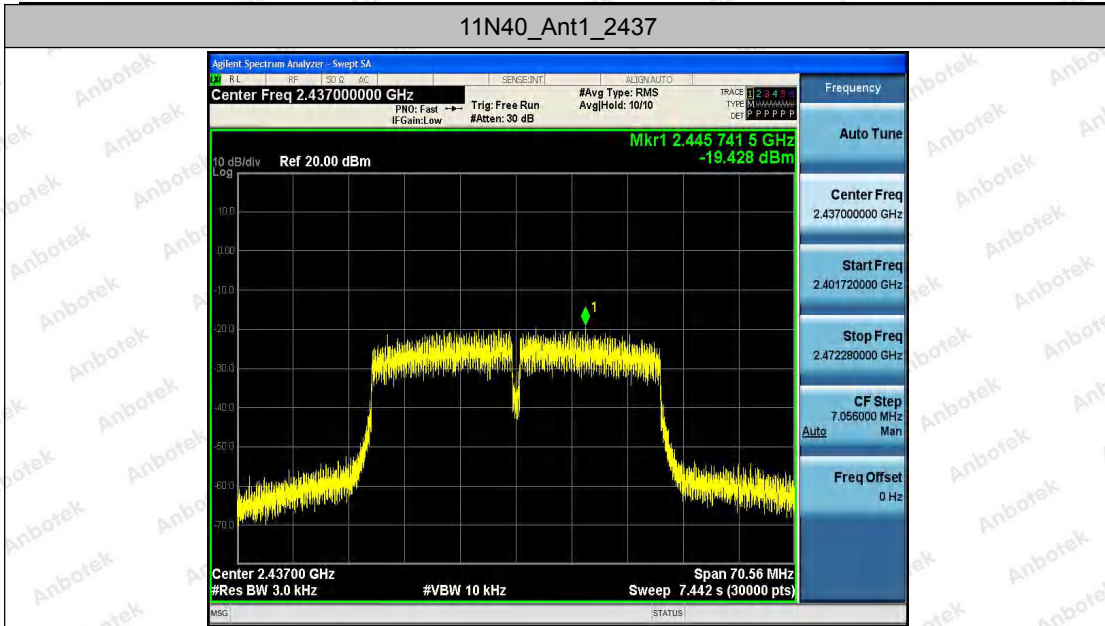


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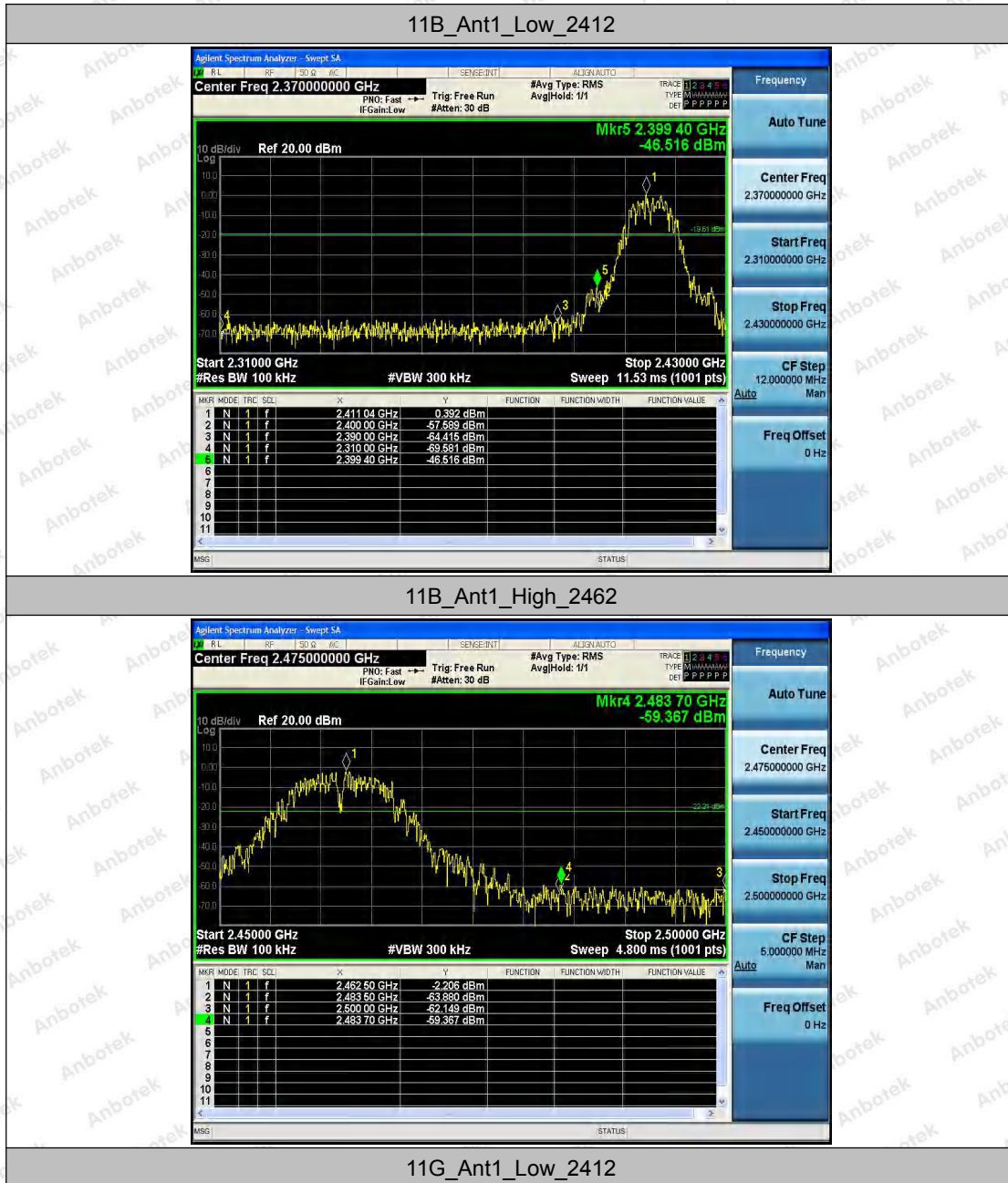
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.39	-46.52	≤-19.61	PASS
		High	2462	-2.21	-59.37	≤-22.21	PASS
11G	Ant1	Low	2412	-7.04	-47.91	≤-27.04	PASS
		High	2462	-6.90	-45.73	≤-26.9	PASS
11N20	Ant1	Low	2412	-6.99	-46.11	≤-26.99	PASS
		High	2462	-7.28	-42.67	≤-27.28	PASS
11N40	Ant1	Low	2422	-9.13	-41.1	≤-29.13	PASS
		High	2452	-10.32	-36.75	≤-30.32	PASS

Test Graphs

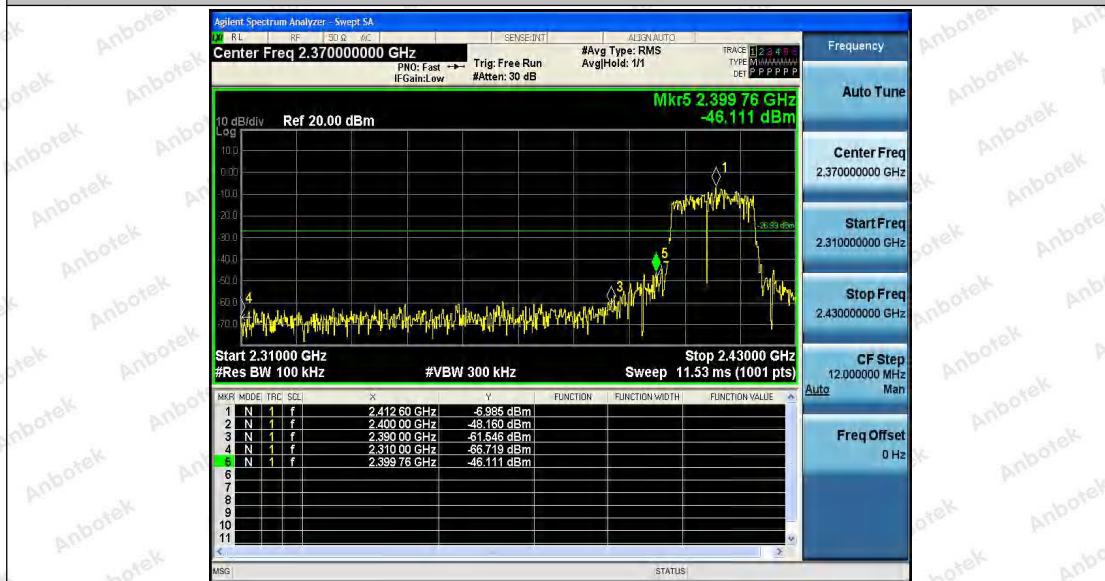




11G_Ant1_High_2462



11N20_Ant1_Low_2412

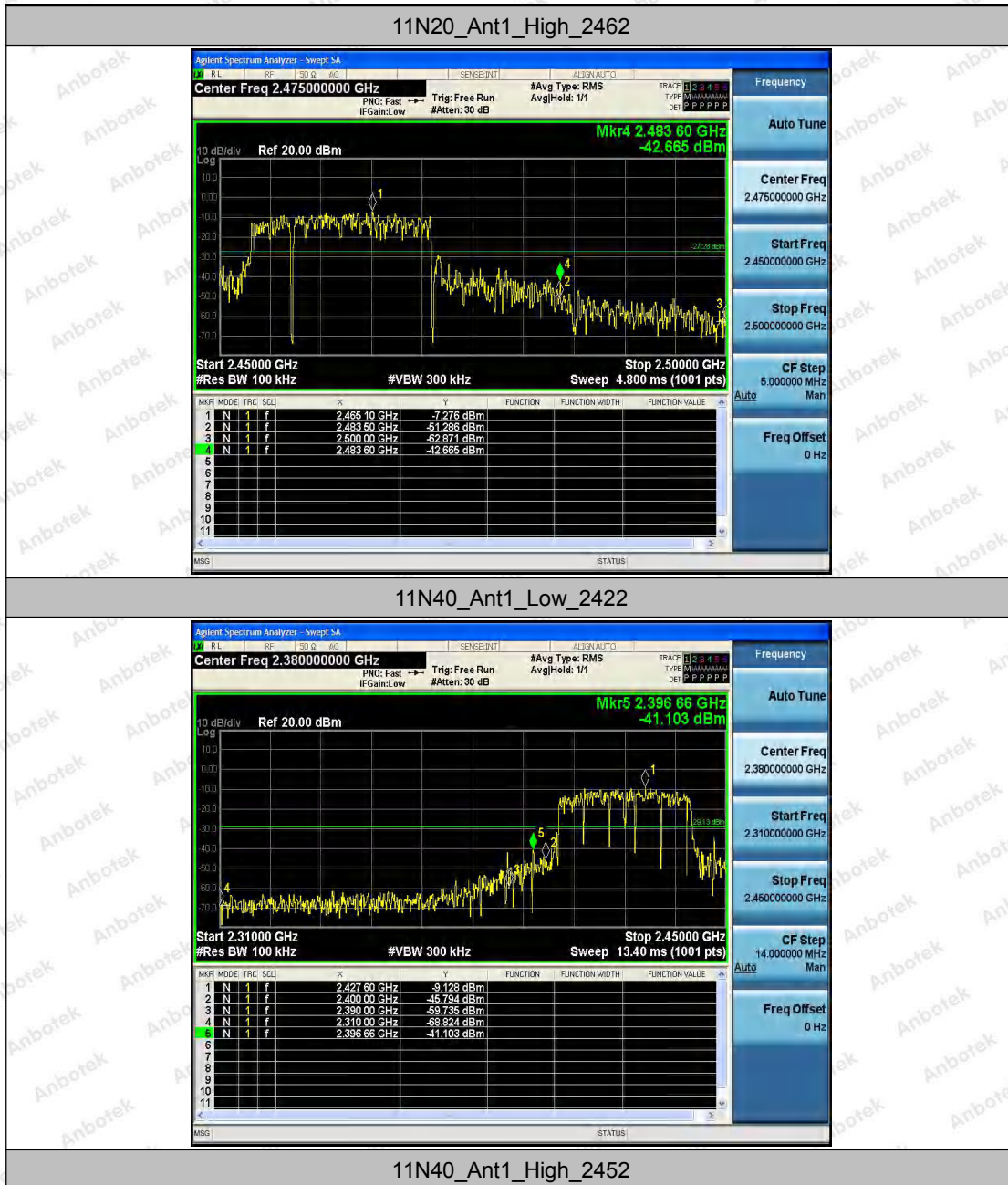


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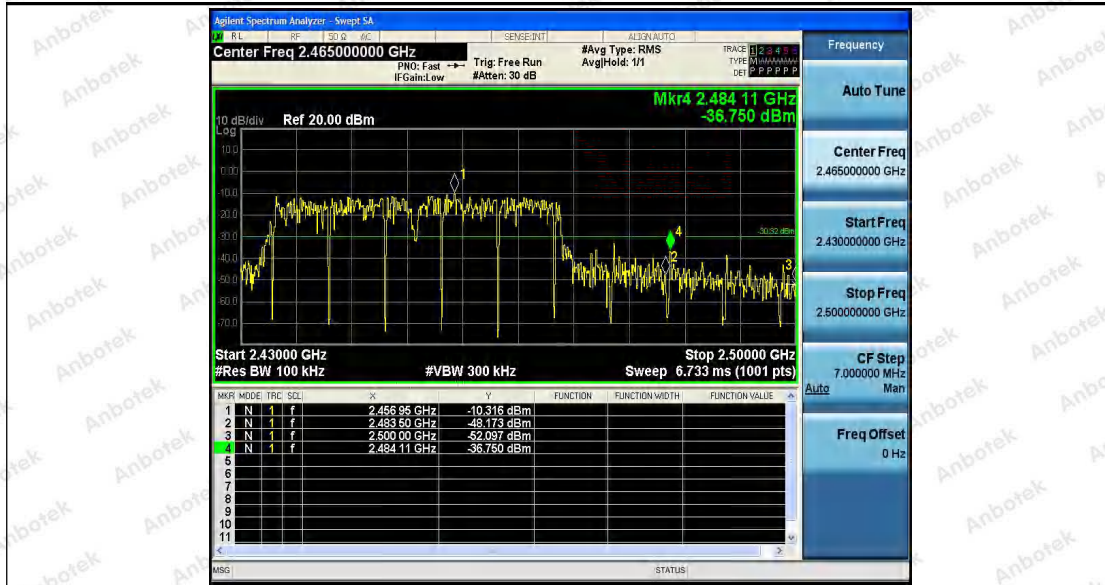
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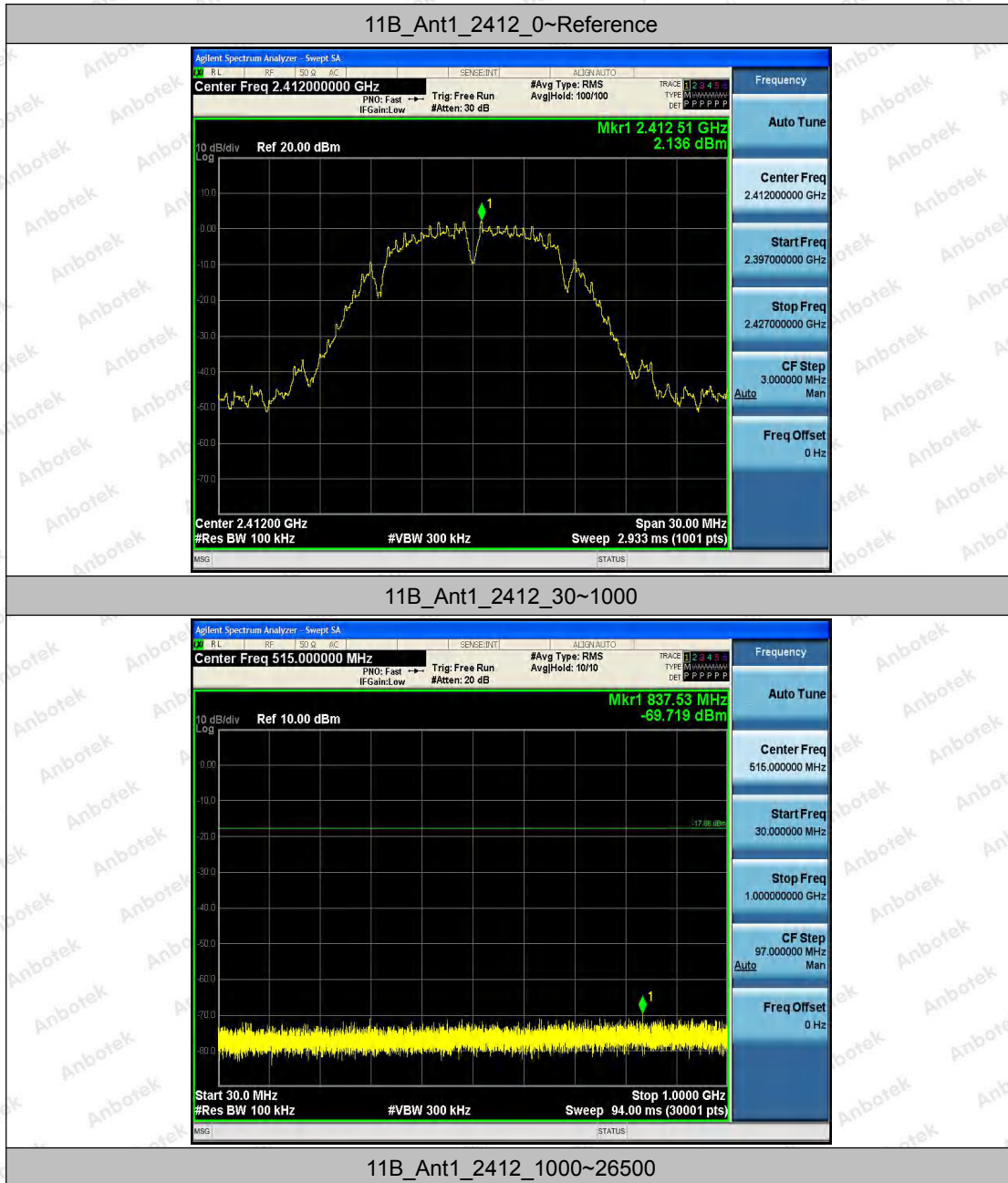
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-69.72	≤-17.86	PASS
			1000~26500	2.14	-37.66	≤-17.86	PASS
		2437	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-70.28	≤-17.61	PASS
			1000~26500	2.39	-41.31	≤-17.61	PASS
		2462	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-69.68	≤-19.3	PASS
			1000~26500	0.70	-47.23	≤-19.3	PASS
11G	Ant1	2412	Reference	-3.80	-3.80	---	PASS
			30~1000	-3.80	-70.6	≤-23.8	PASS
			1000~26500	-3.80	-51.67	≤-23.8	PASS
		2437	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-67.12	≤-22.66	PASS
			1000~26500	-2.66	-49.55	≤-22.66	PASS
		2462	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-67.56	≤-21.99	PASS
			1000~26500	-1.99	-45.57	≤-21.99	PASS
11N20	Ant1	2412	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-69.44	≤-23.7	PASS
			1000~26500	-3.70	-53.24	≤-23.7	PASS
		2437	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-69.46	≤-21	PASS
			1000~26500	-1.00	-51.45	≤-21	PASS
		2462	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-69.14	≤-23.7	PASS
			1000~26500	-3.70	-55.98	≤-23.7	PASS
11N40	Ant1	2422	Reference	-4.66	-4.66	---	PASS
			30~1000	-4.66	-67.84	≤-24.66	PASS
			1000~26500	-4.66	-53.67	≤-24.66	PASS
		2437	Reference	-5.27	-5.27	---	PASS
			30~1000	-5.27	-68.47	≤-25.27	PASS
			1000~26500	-5.27	-55.21	≤-25.27	PASS
		2452	Reference	-6.08	-6.08	---	PASS
			30~1000	-6.08	-69.13	≤-26.08	PASS
			1000~26500	-6.08	-54.63	≤-26.08	PASS

Test Graphs

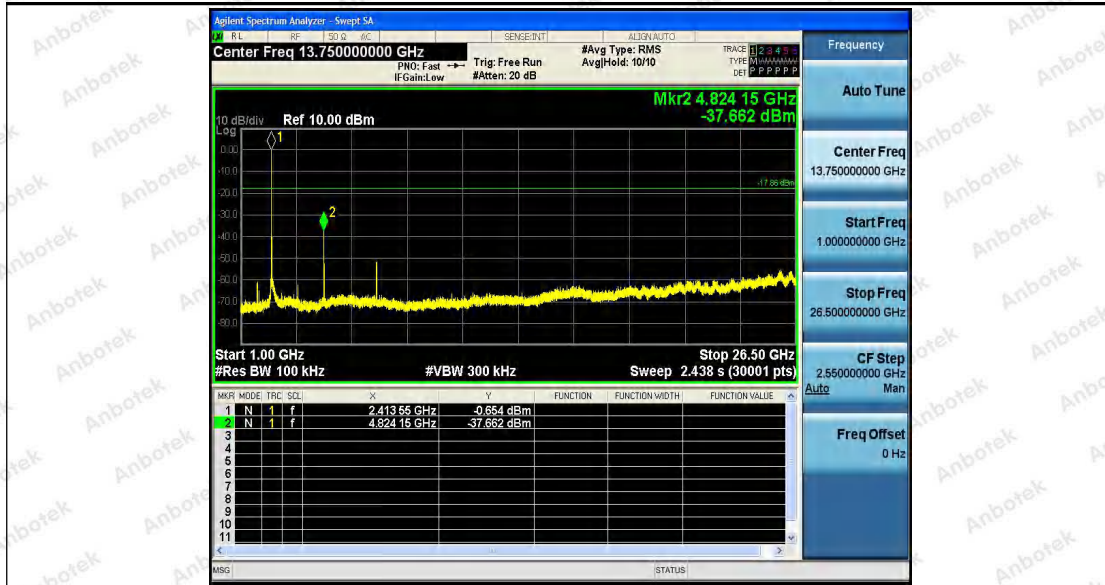


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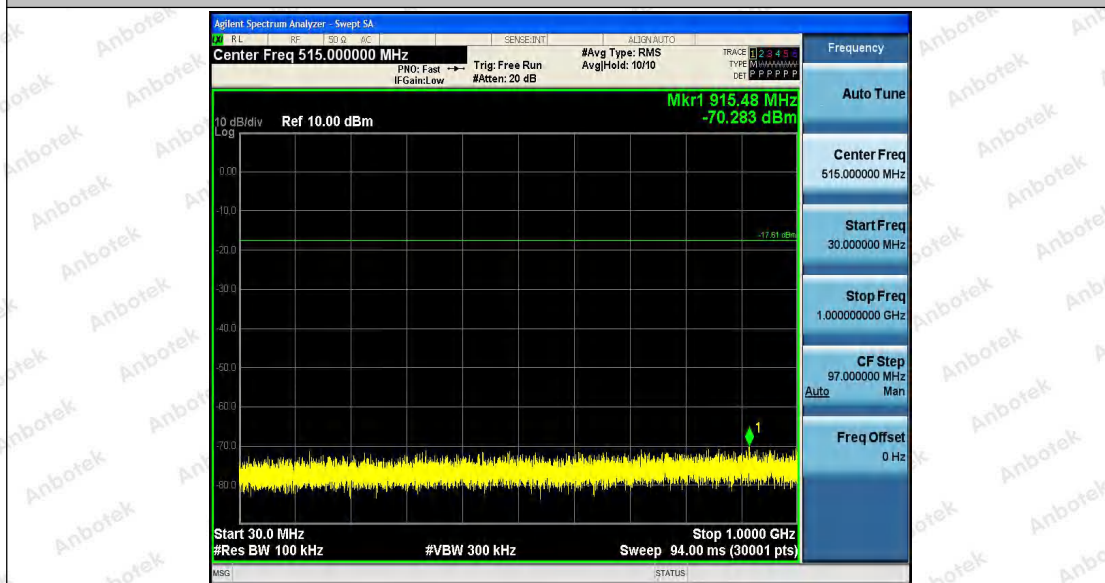
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

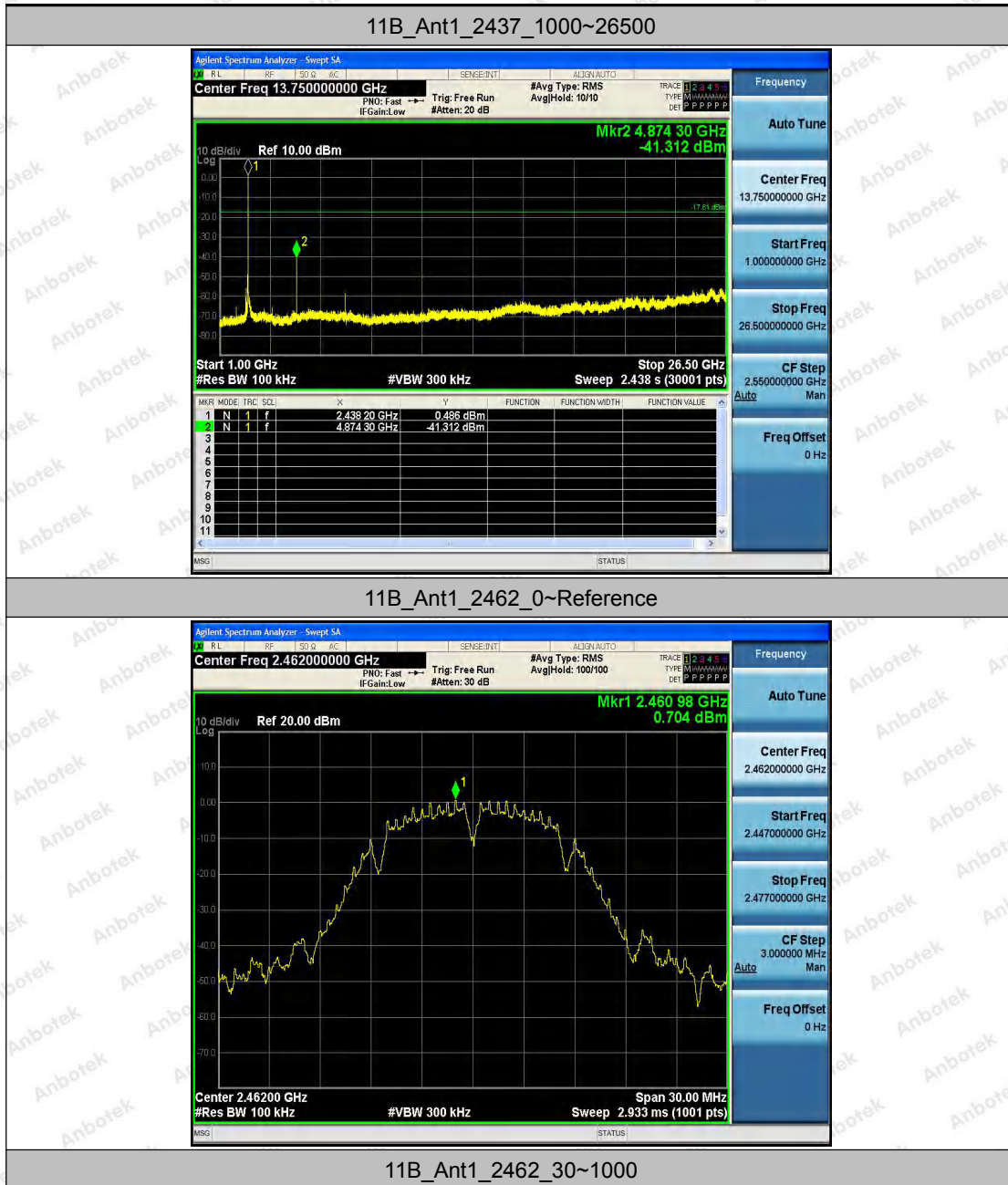


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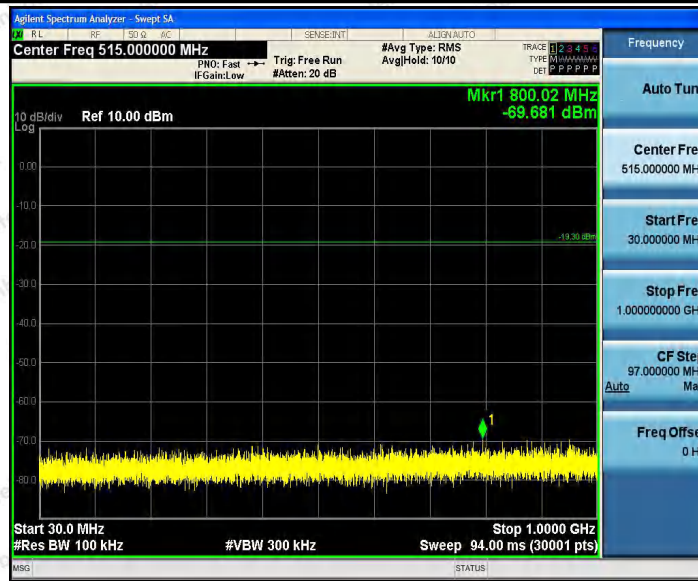


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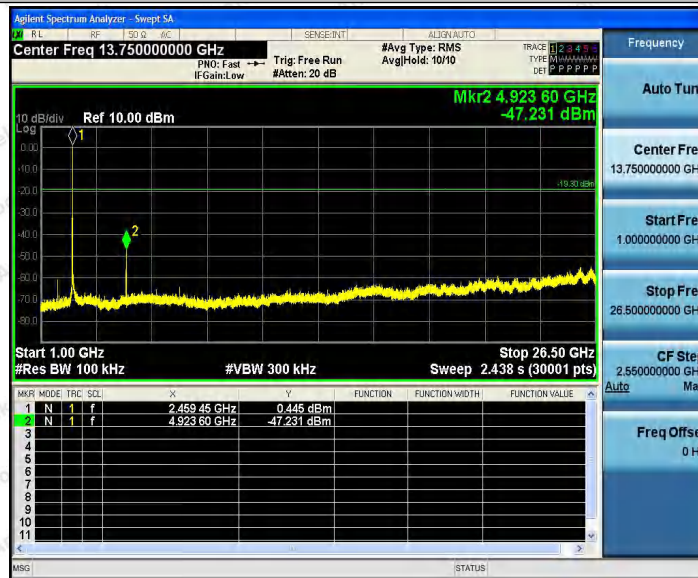
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11B_Ant1_2462_1000~26500



11B_Ant1_2412_0~Reference

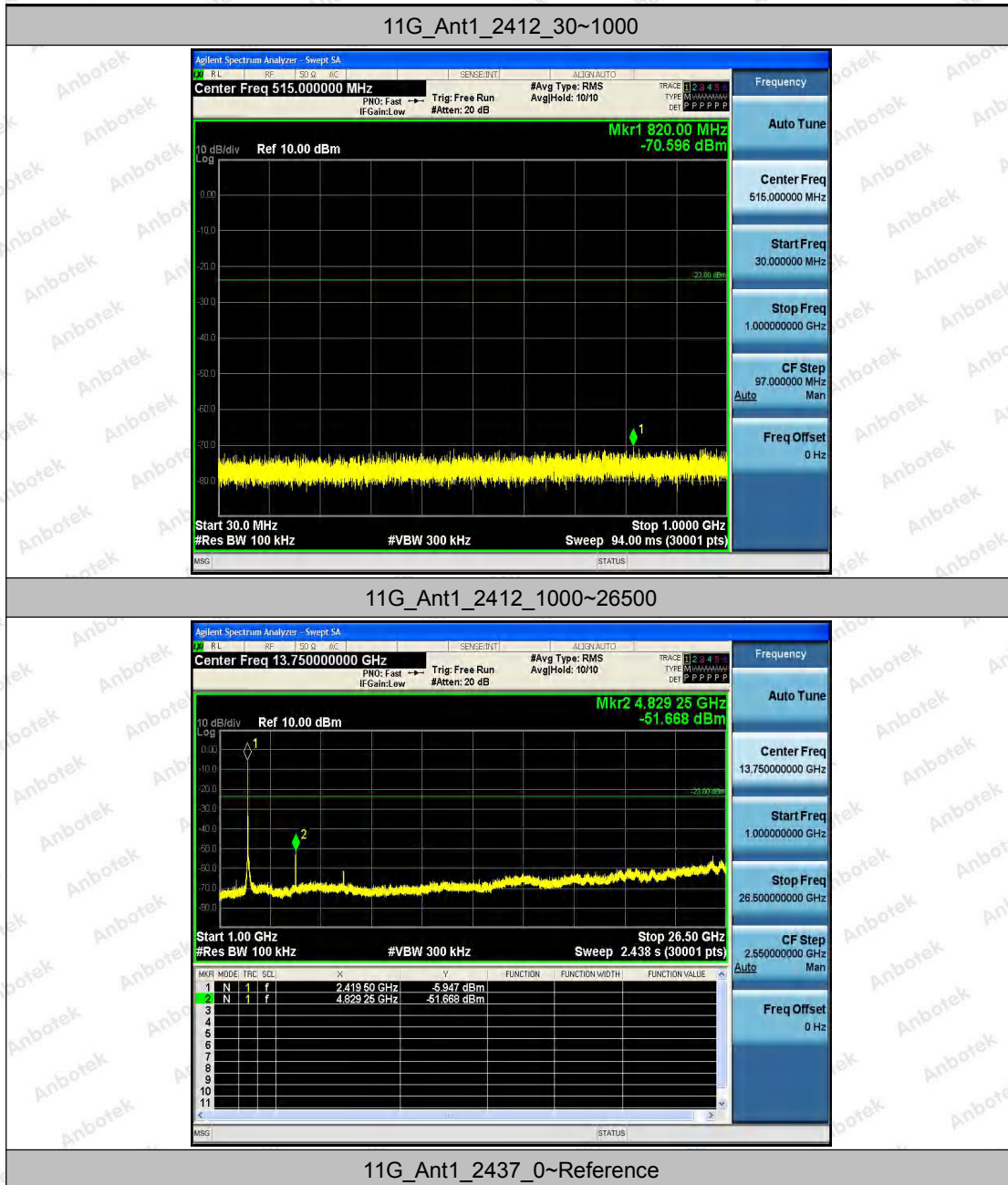


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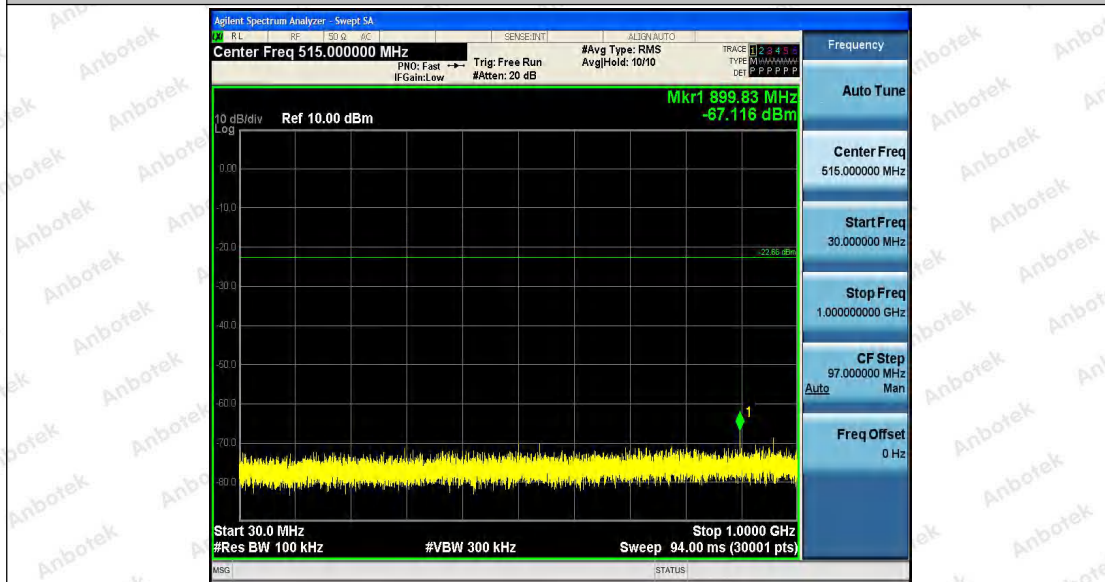
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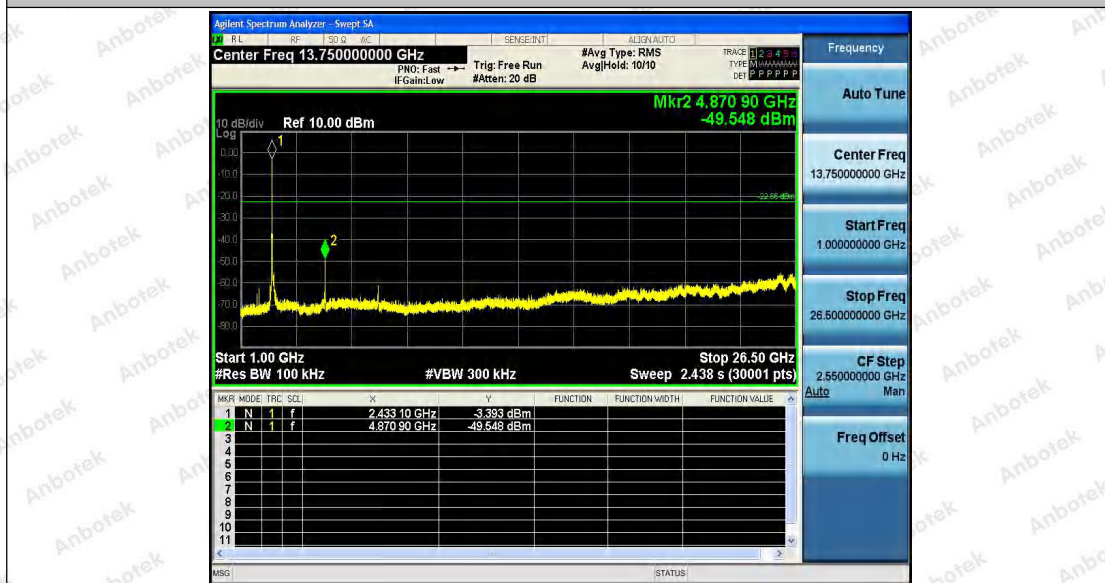
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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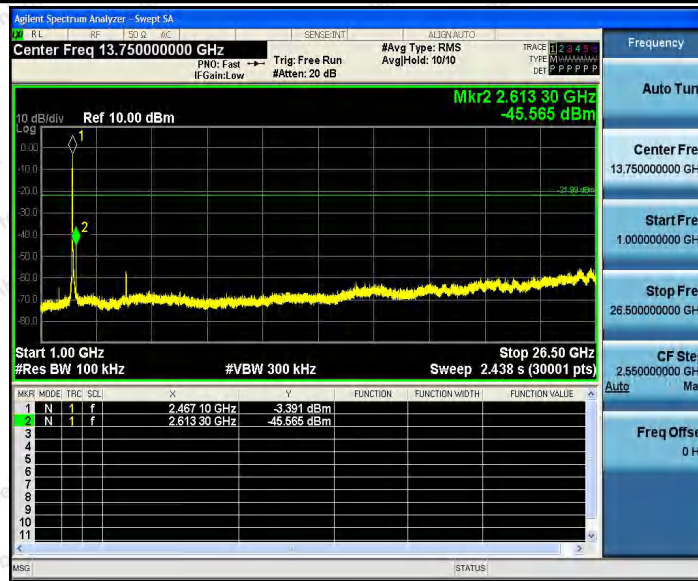
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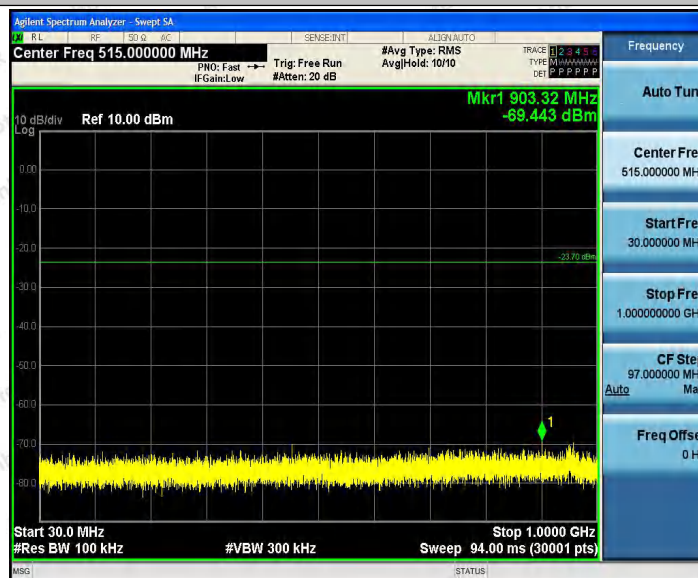
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

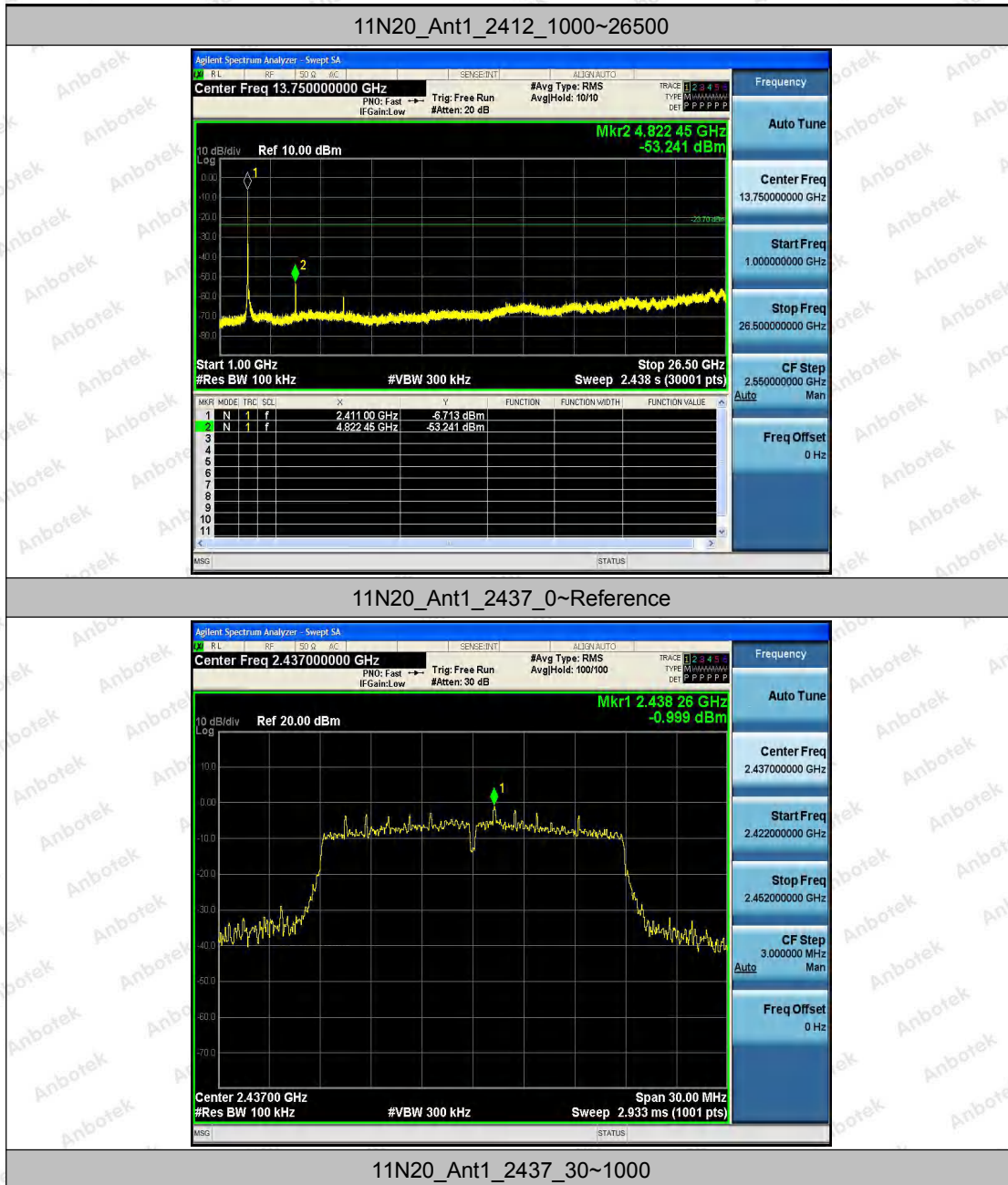


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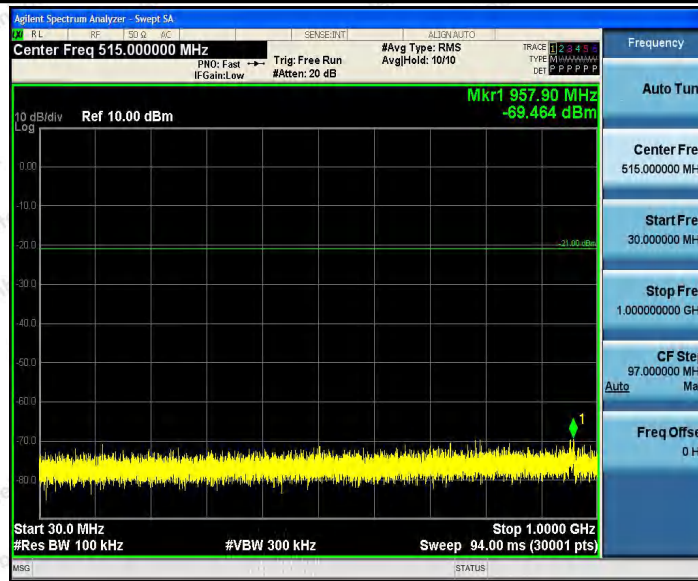


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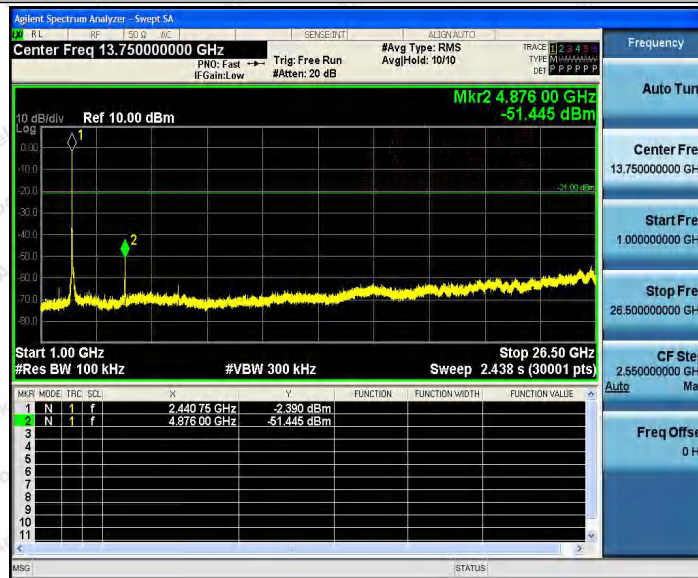
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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

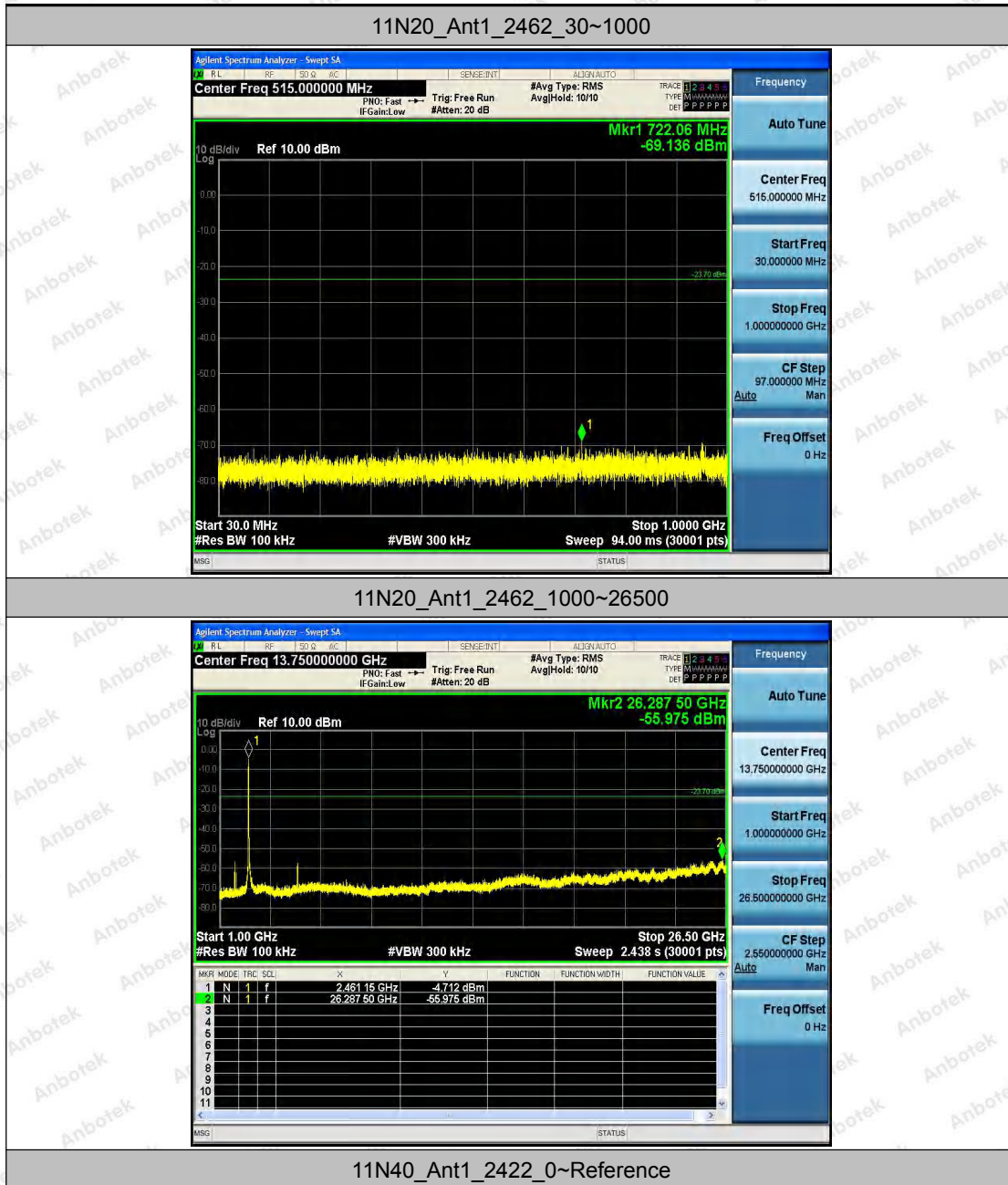


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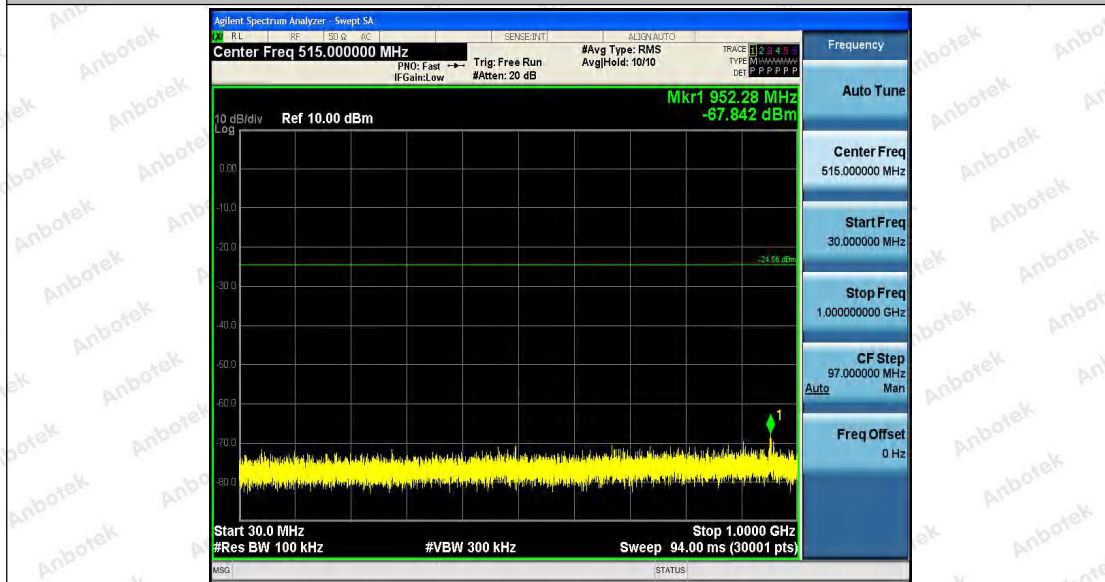
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

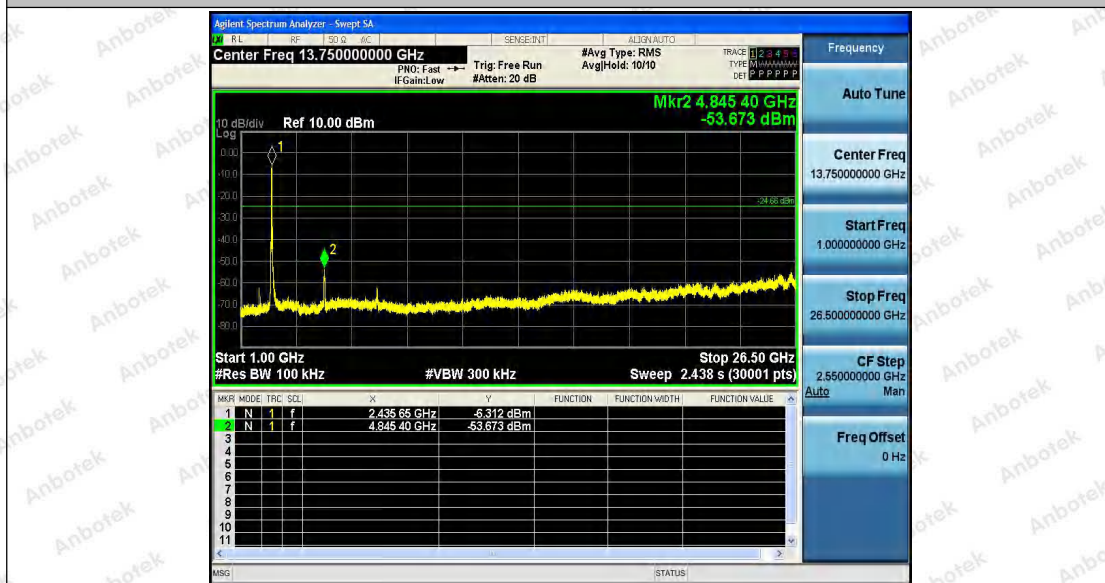
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11N40_Ant1_2422_30~1000



11N40_Ant1_2422_1000~26500

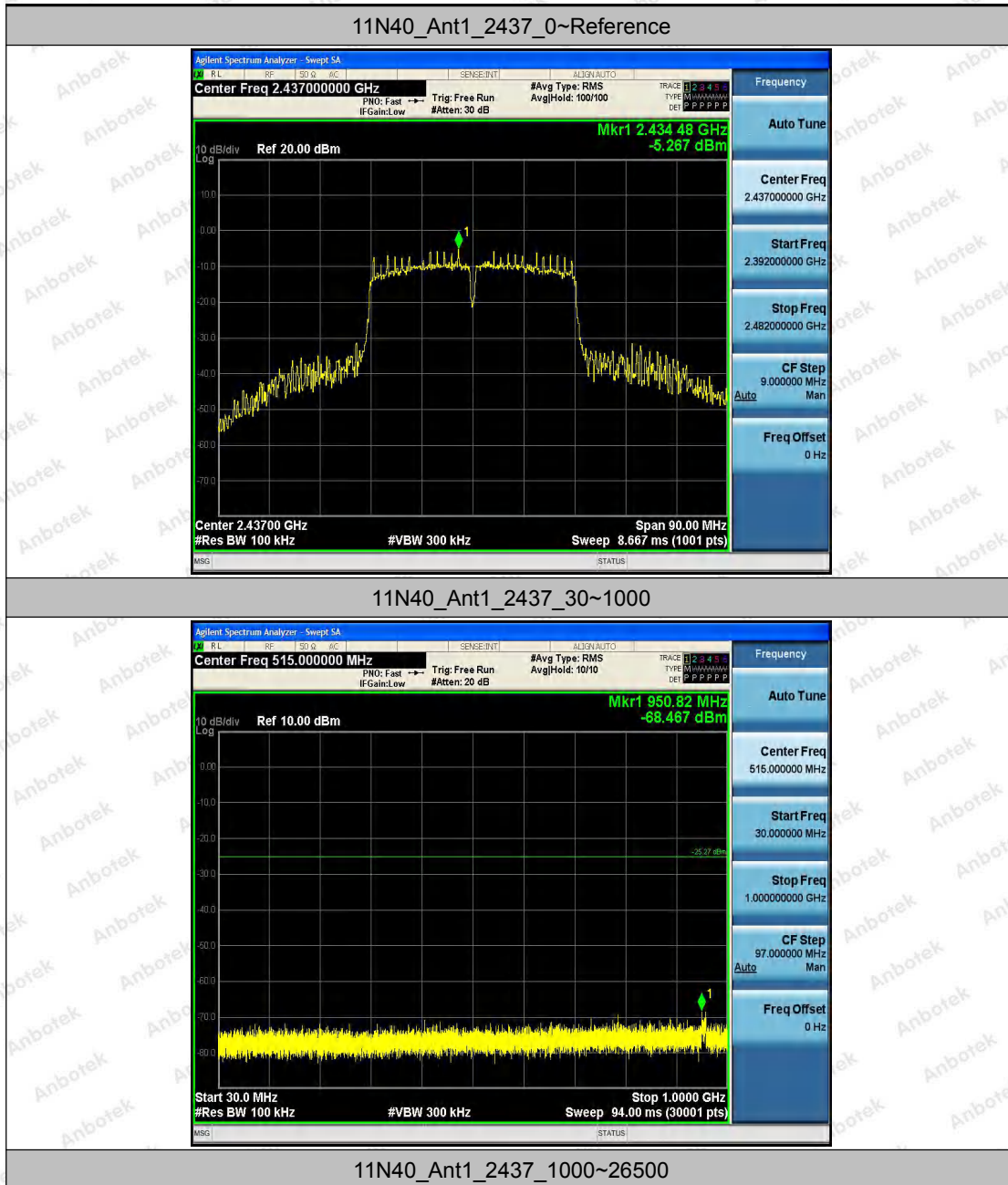


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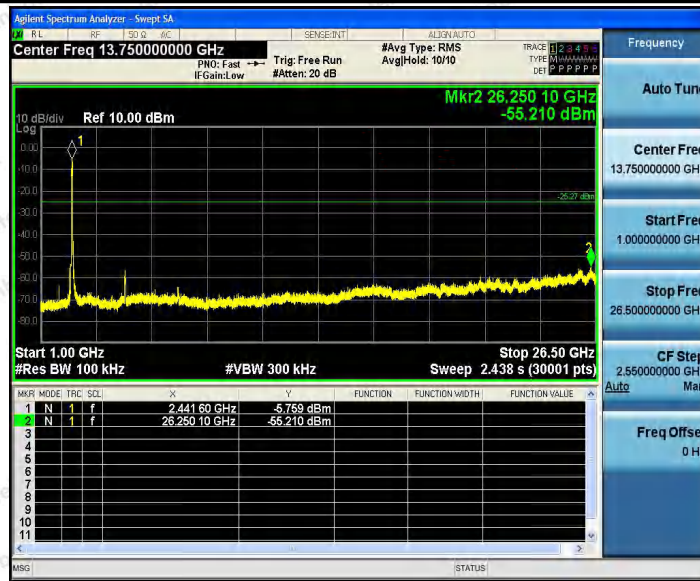
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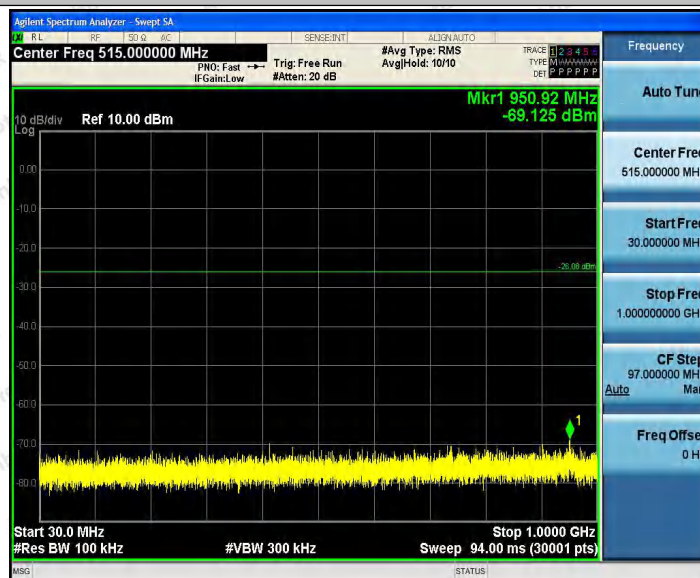
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11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

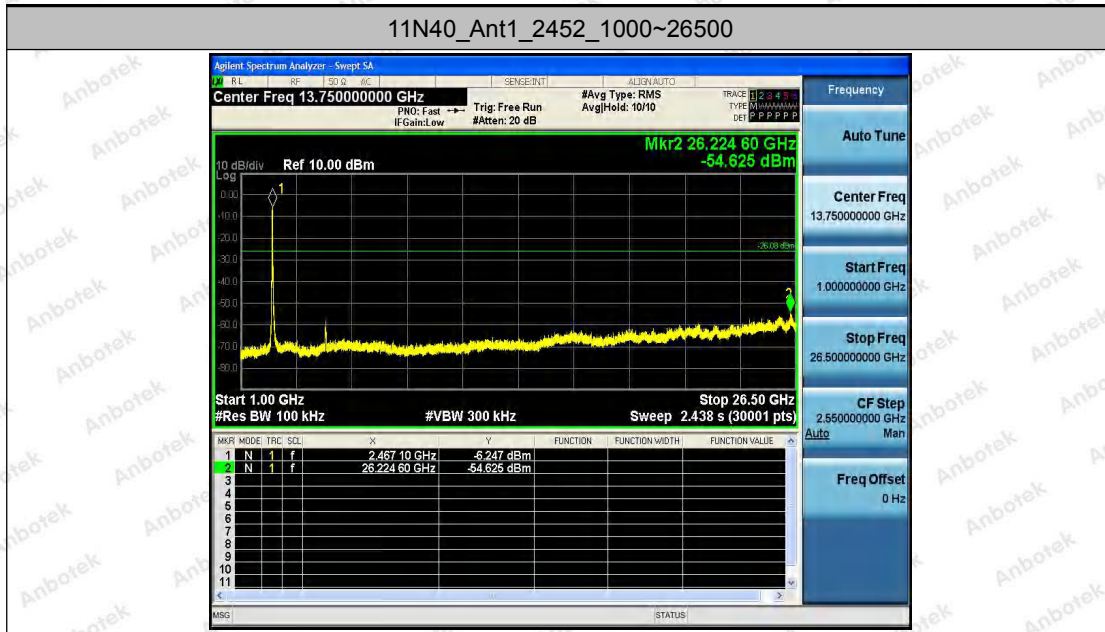


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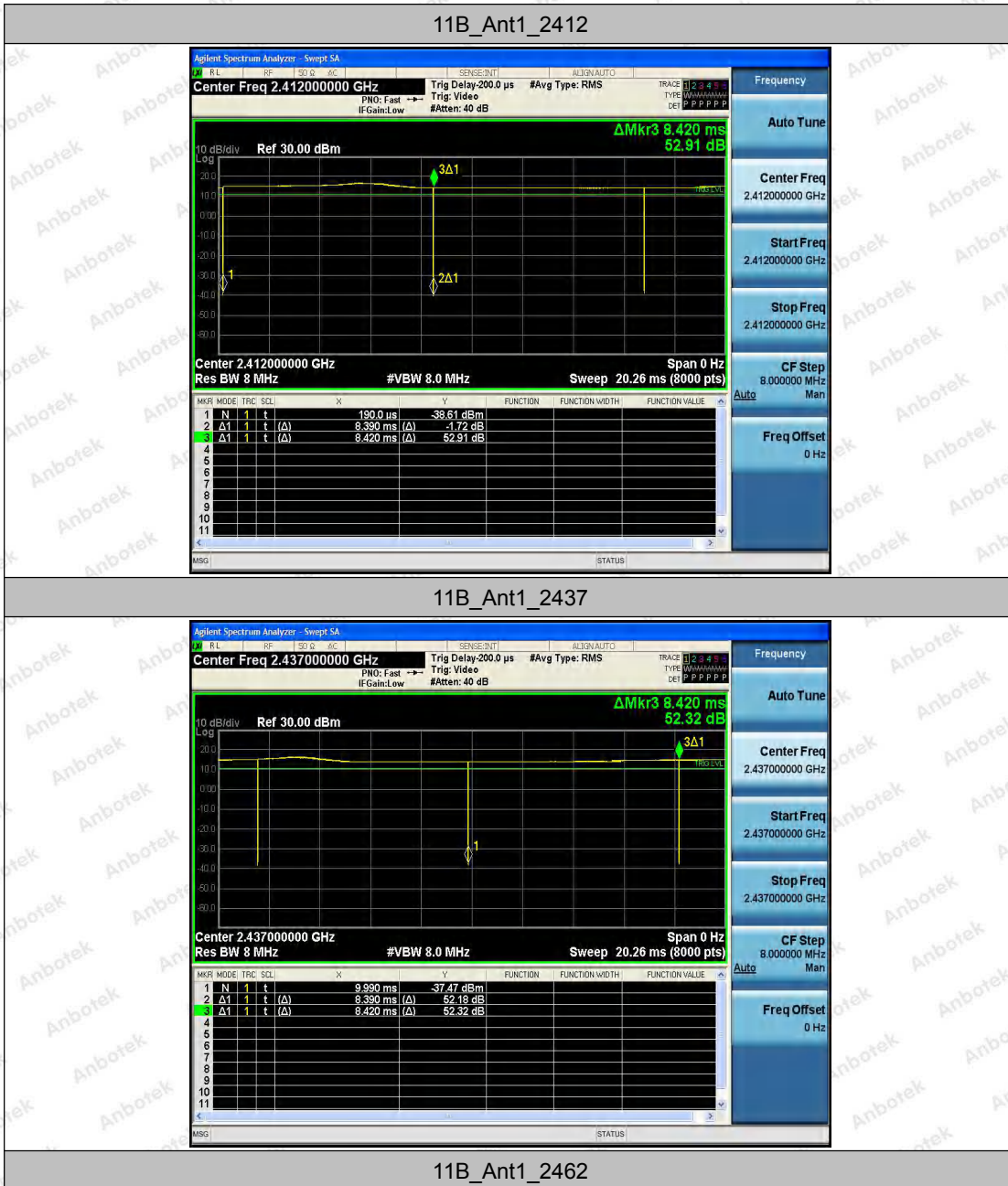
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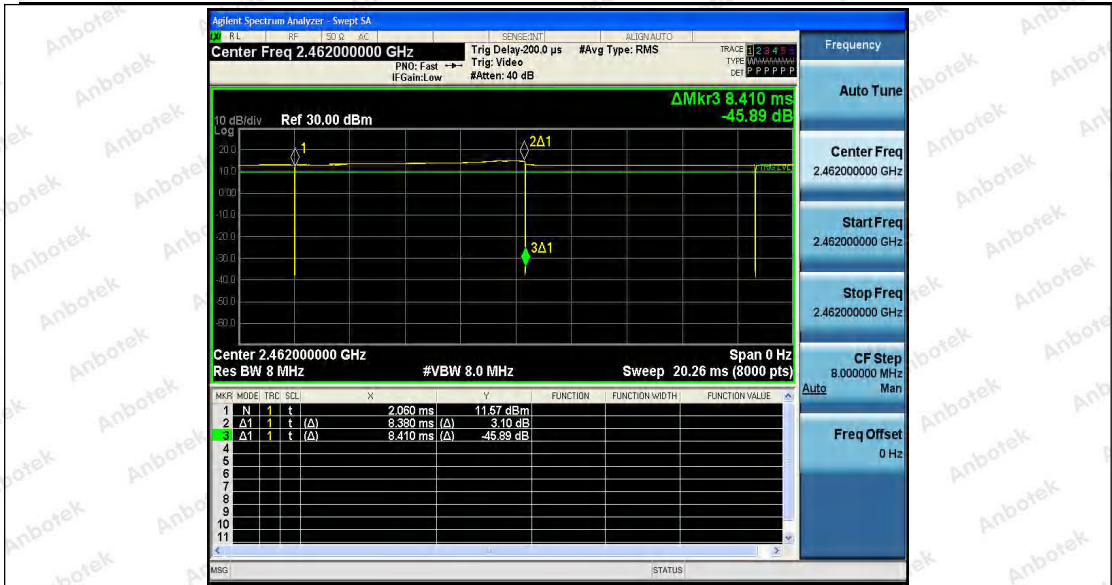
Appendix G: Duty Cycle

Test Result

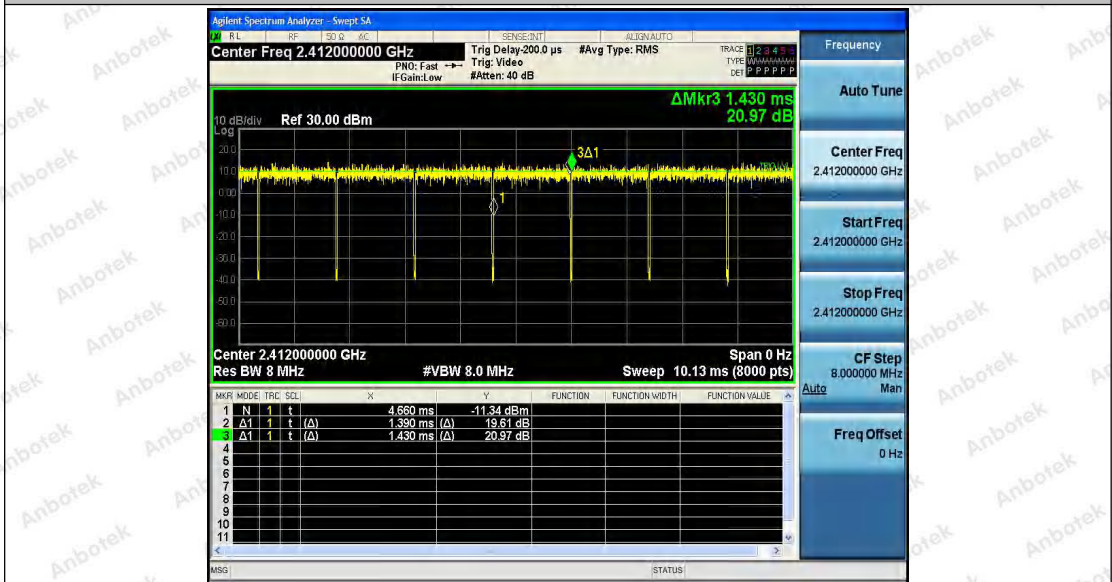
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.42	97.89	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.33	97.74	---	PASS
		2462	1.30	1.33	97.74	---	PASS
11N40	Ant1	2422	0.65	0.68	95.59	---	PASS
		2437	0.65	0.68	95.59	---	PASS
		2452	0.65	0.69	94.20	---	PASS

Test Graphs

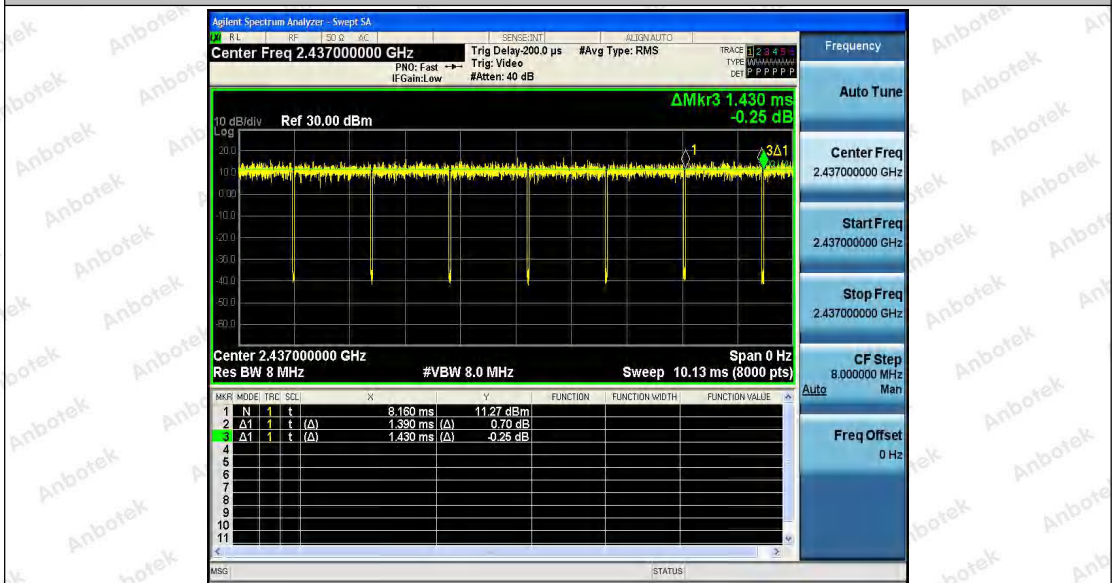




11G_Ant1_2412



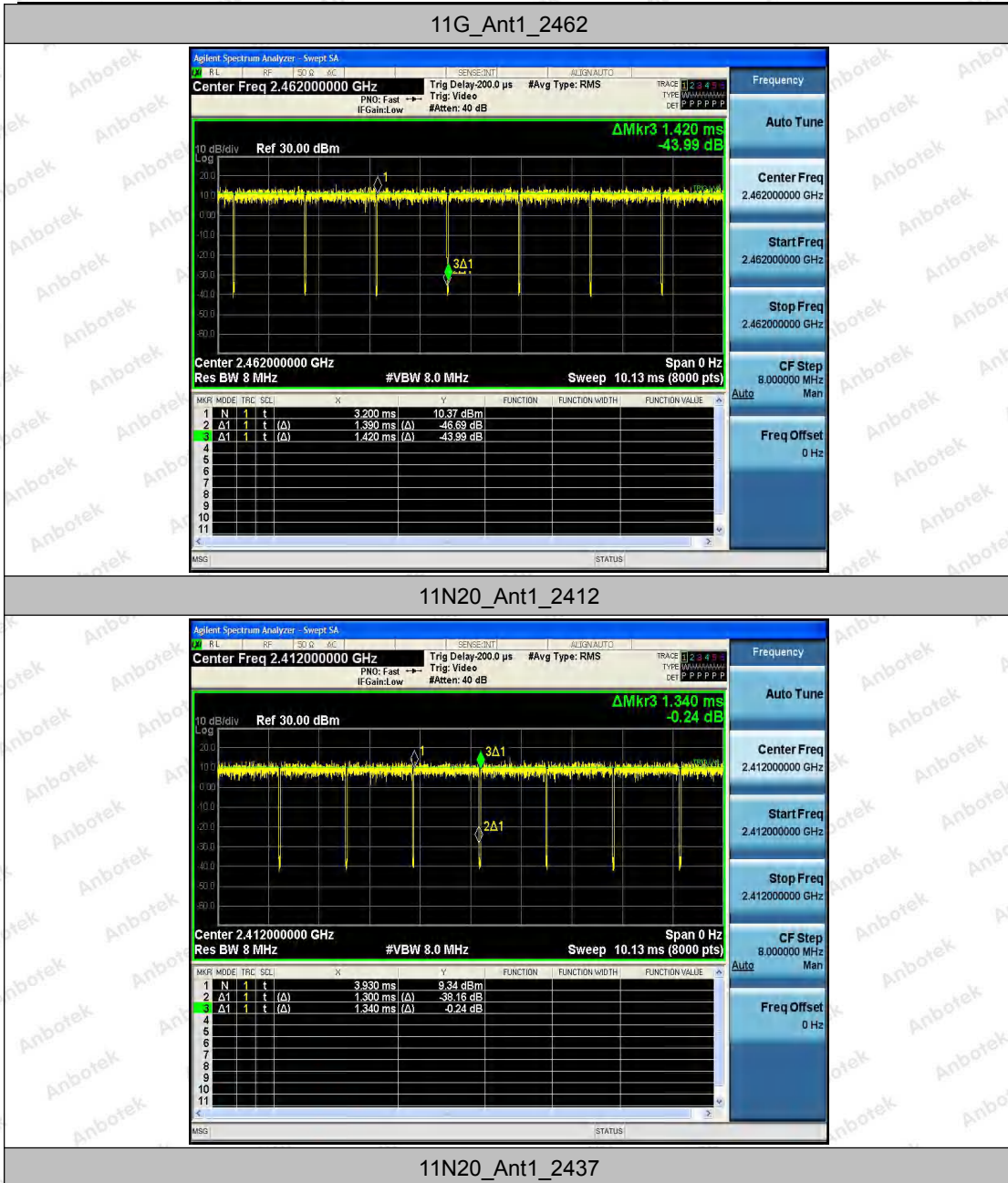
11G_Ant1_2437



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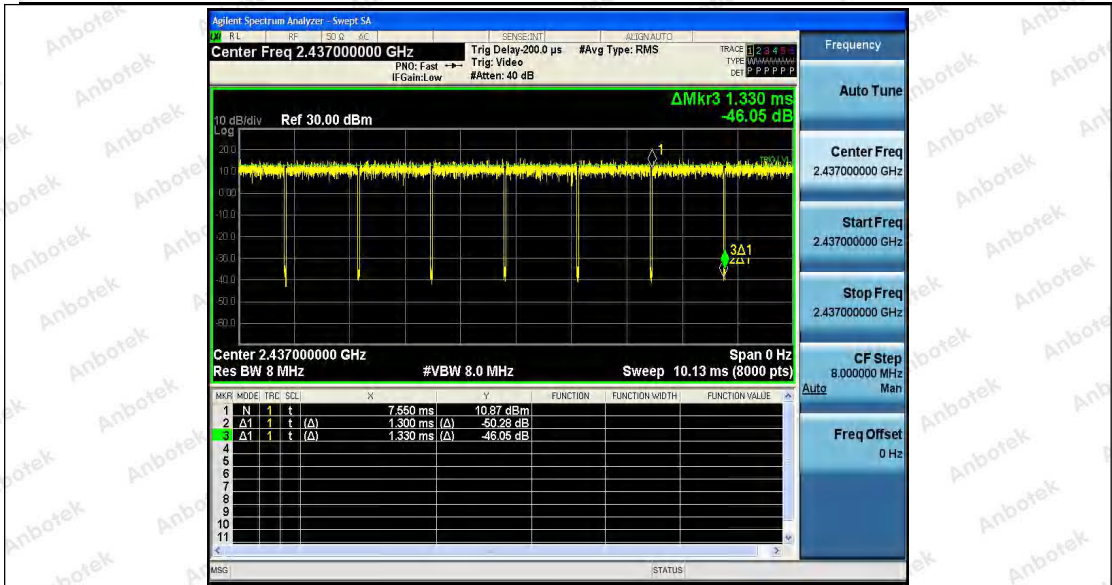


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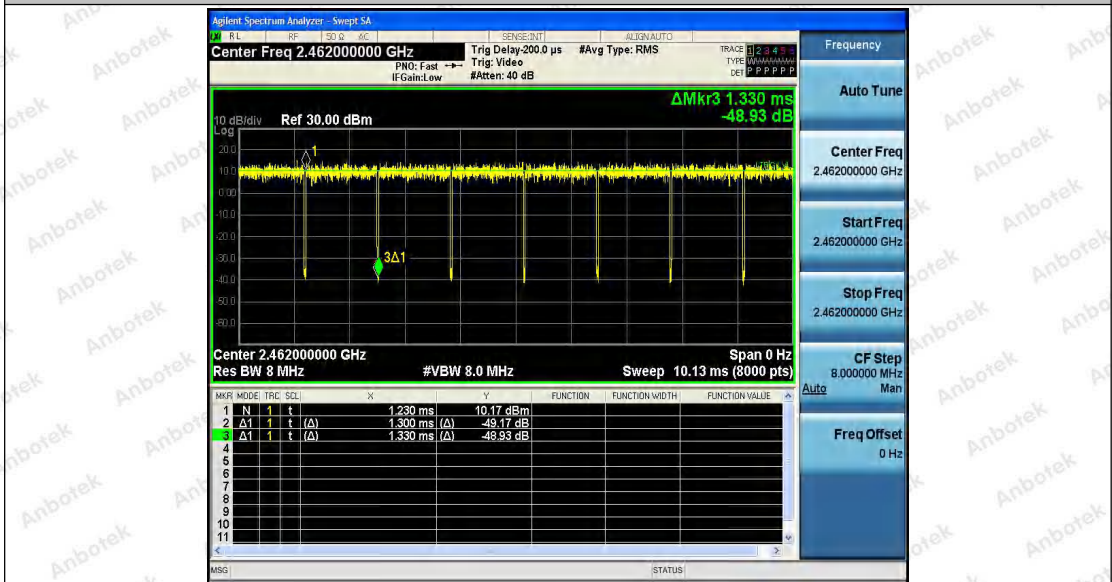
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

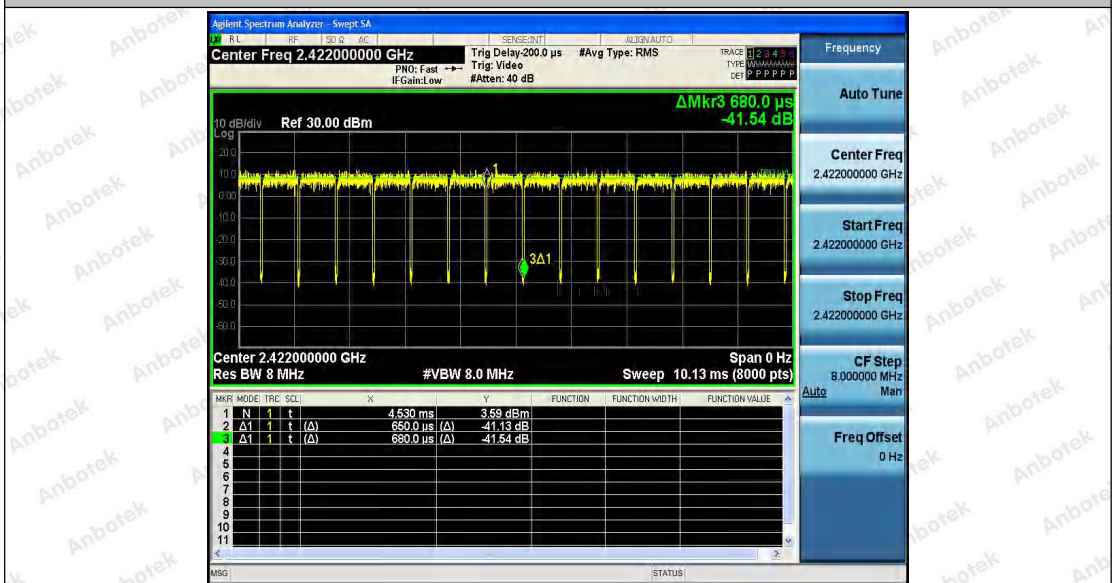
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11N20_Ant1_2462



11N40_Ant1_2422

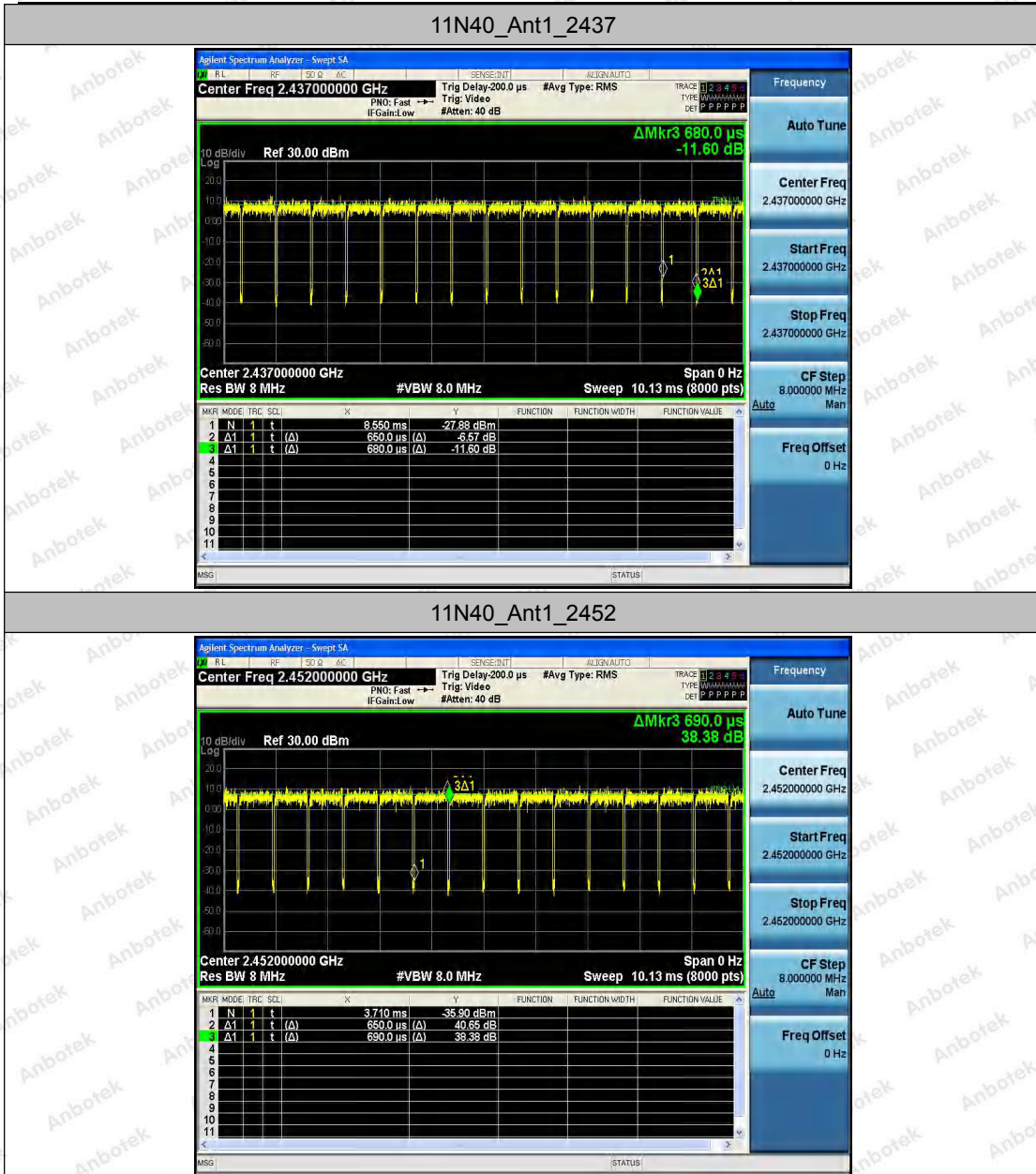


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