

Appendix Test Data

Report No.:	18220WC20119202	Test Sample No.:	1-2-2
Start Test Date:	2022.06.10	Finish Test Date:	2022.06.14
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3°C	Relative Humidity:	58 %
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	8.160	2407.920	2416.080	≥0.5	PASS
		2437	8.120	2432.960	2441.080	≥0.5	PASS
		2462	8.160	2457.920	2466.080	≥0.5	PASS
11G	Ant1	2412	15.160	2404.400	2419.560	≥0.5	PASS
		2437	14.160	2429.400	2443.560	≥0.5	PASS
		2462	14.120	2455.080	2469.200	≥0.5	PASS
11N20	Ant1	2412	16.040	2403.560	2419.600	≥0.5	PASS
		2437	15.440	2429.520	2444.960	≥0.5	PASS
		2462	13.920	2455.680	2469.600	≥0.5	PASS
11N40	Ant1	2422	35.220	2404.420	2439.640	≥0.5	PASS
		2437	35.220	2419.420	2454.640	≥0.5	PASS
		2452	35.220	2434.420	2469.640	≥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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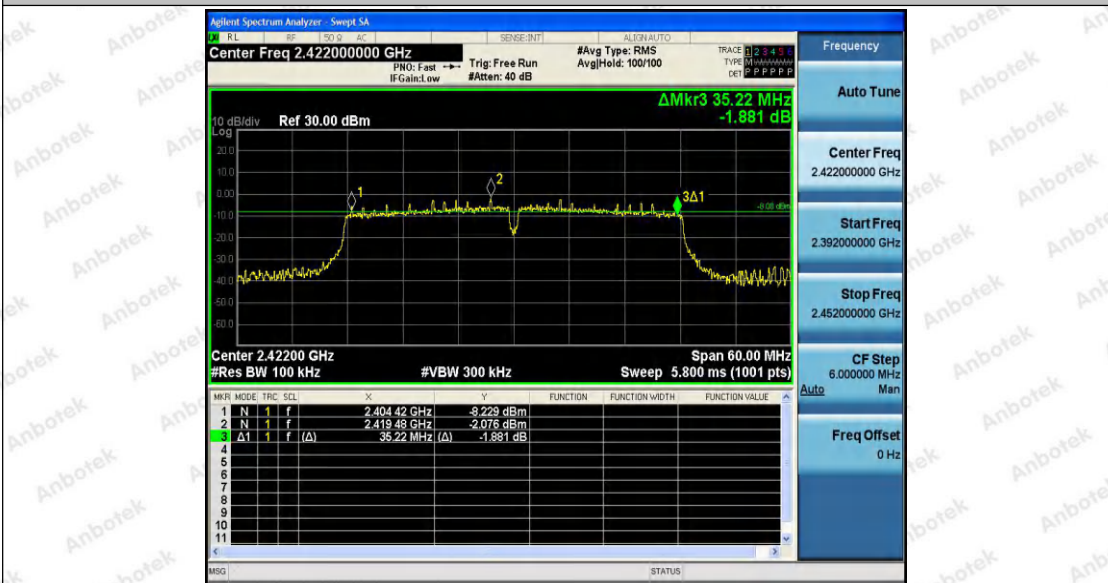
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11N20_Ant1_2462



11N40_Ant1_2422

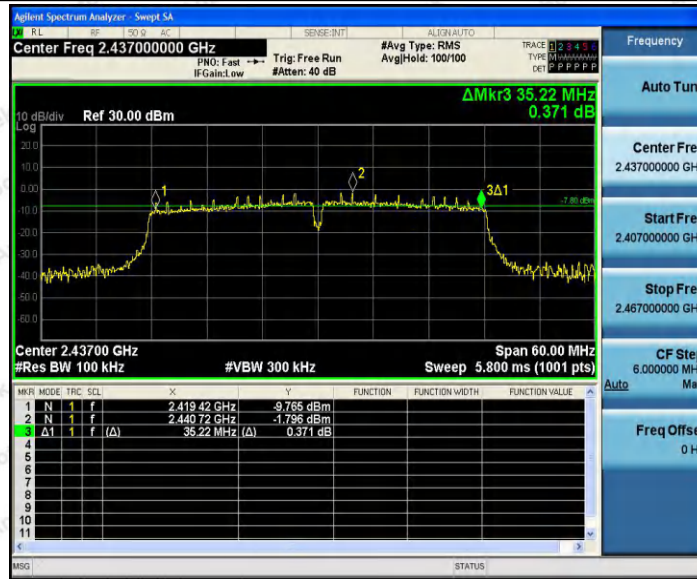


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11N40_Ant1_2437



11N40_Ant1_2452



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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	13.484	2405.191	2418.675	---	PASS
		2437	13.273	2430.426	2443.699	---	PASS
		2462	13.141	2455.439	2468.580	---	PASS
11G	Ant1	2412	16.929	2403.508	2420.437	---	PASS
		2437	16.966	2428.639	2445.605	---	PASS
		2462	16.886	2453.585	2470.471	---	PASS
11N20	Ant1	2412	17.971	2402.992	2420.963	---	PASS
		2437	17.971	2428.067	2446.038	---	PASS
		2462	17.819	2453.069	2470.888	---	PASS
11N40	Ant1	2422	36.162	2403.941	2440.103	---	PASS
		2437	36.077	2419.080	2455.157	---	PASS
		2452	36.084	2434.045	2470.129	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437

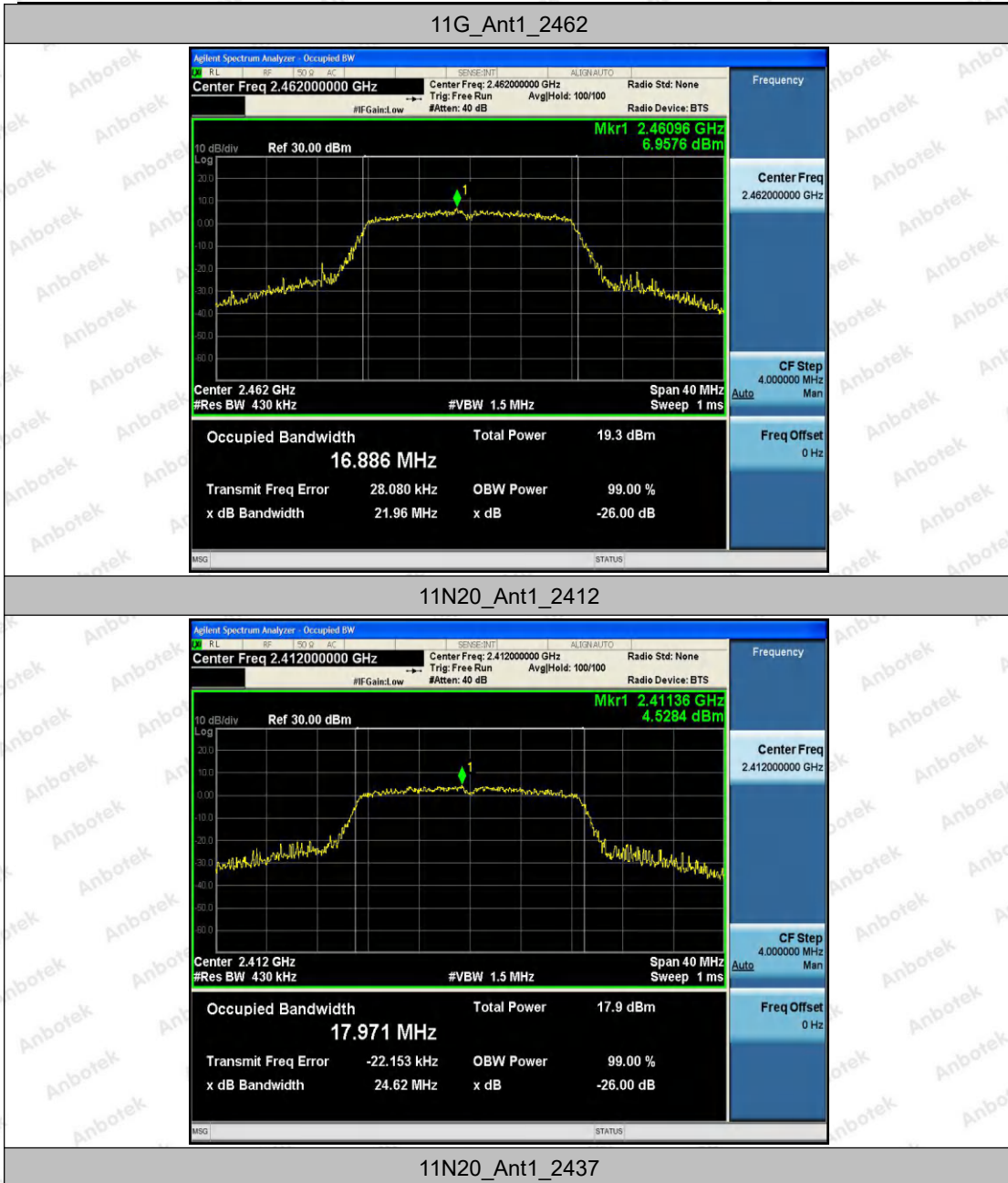


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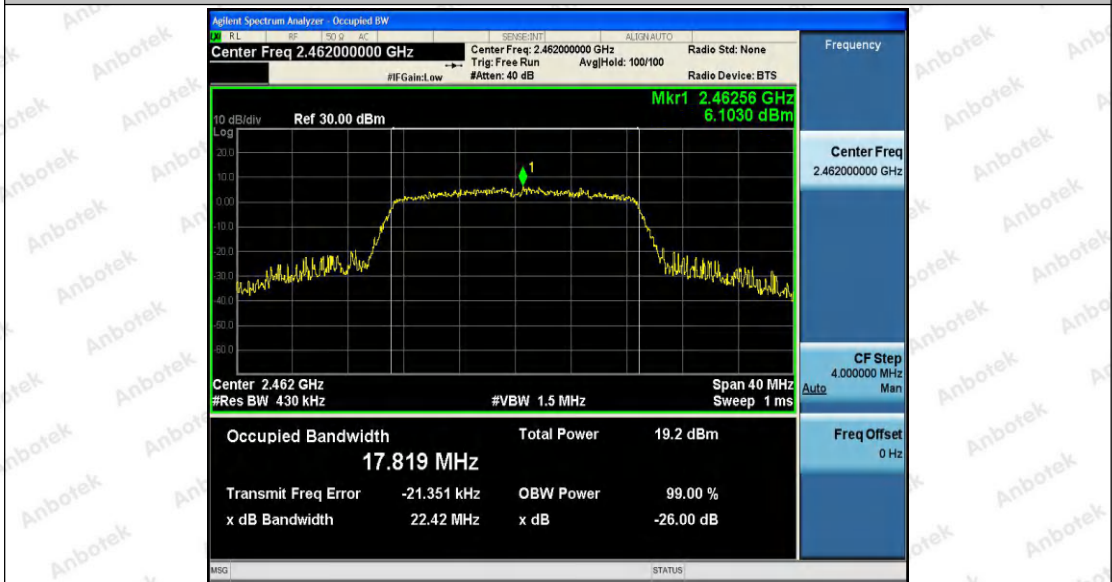
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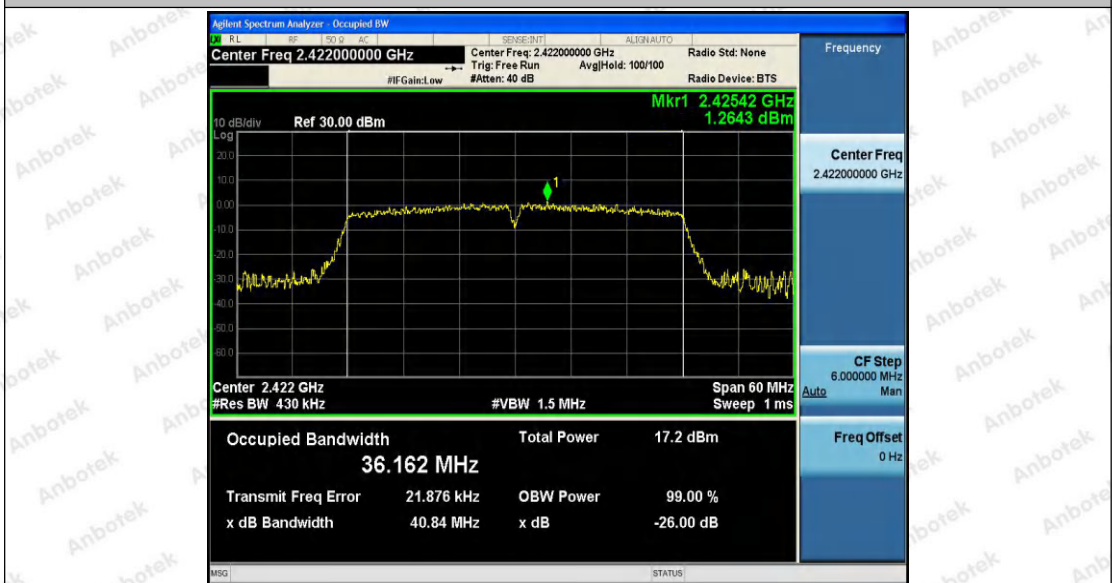
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11N20_Ant1_2462



11N40_Ant1_2422

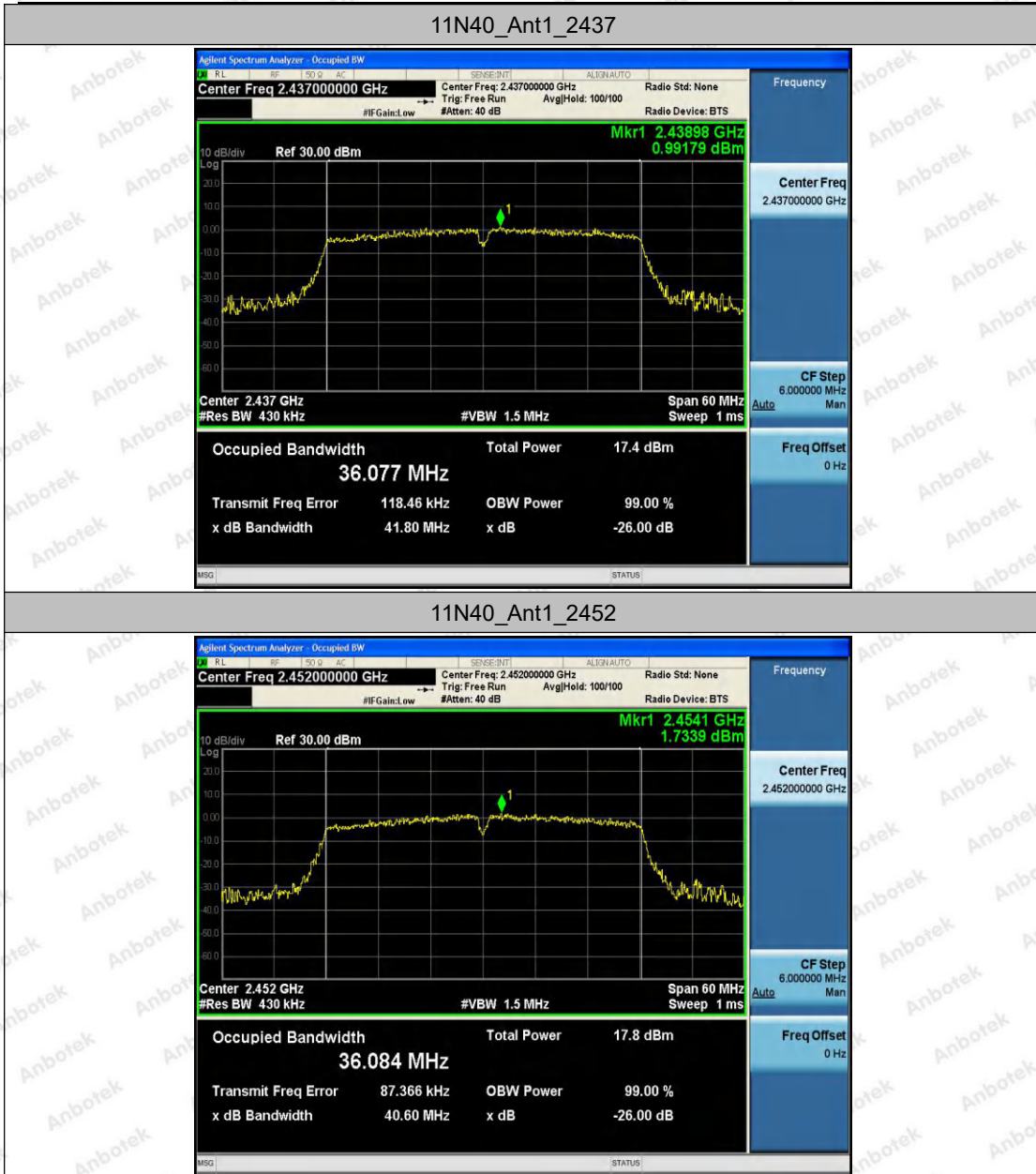


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Appendix C: Maximum conducted output power

Test Result

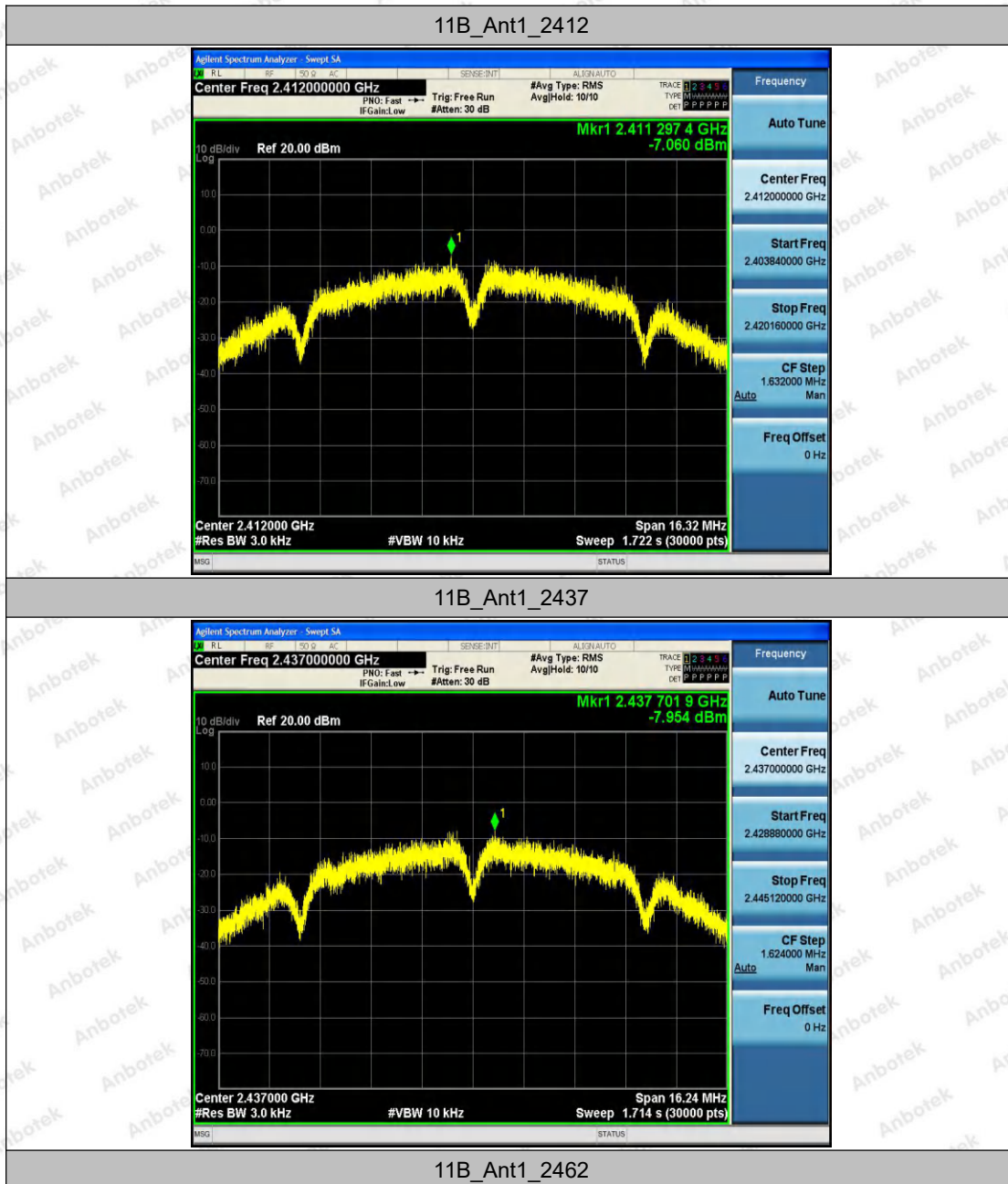
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.96	≤30	PASS
		2437	15.00	≤30	PASS
		2462	14.19	≤30	PASS
11G	Ant1	2412	15.12	≤30	PASS
		2437	14.20	≤30	PASS
		2462	14.35	≤30	PASS
11N20	Ant1	2412	16.05	≤30	PASS
		2437	16.07	≤30	PASS
		2462	16.18	≤30	PASS
11N40	Ant1	2422	16.35	≤30	PASS
		2437	16.50	≤30	PASS
		2452	16.18	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.06	≤8	PASS
		2437	-7.95	≤8	PASS
		2462	-7.37	≤8	PASS
11G	Ant1	2412	-12.16	≤8	PASS
		2437	-11.47	≤8	PASS
		2462	-10.97	≤8	PASS
11N20	Ant1	2412	-13.12	≤8	PASS
		2437	-12.98	≤8	PASS
		2462	-10.37	≤8	PASS
11N40	Ant1	2422	-16	≤8	PASS
		2437	-15.33	≤8	PASS
		2452	-15.2	≤8	PASS

Test Graphs



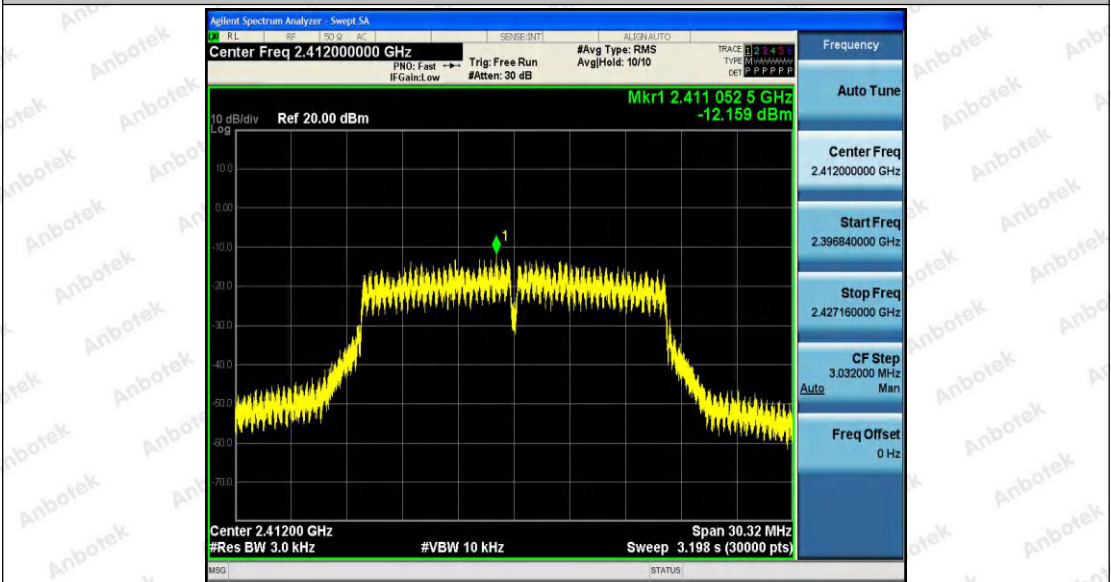
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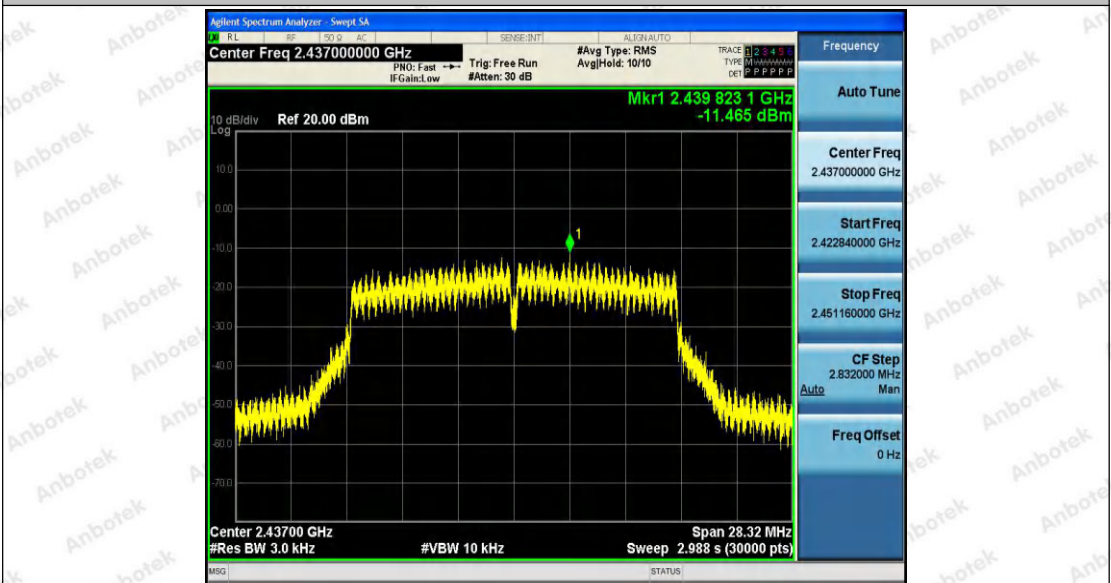
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11G_Ant1_2412



11G_Ant1_2437

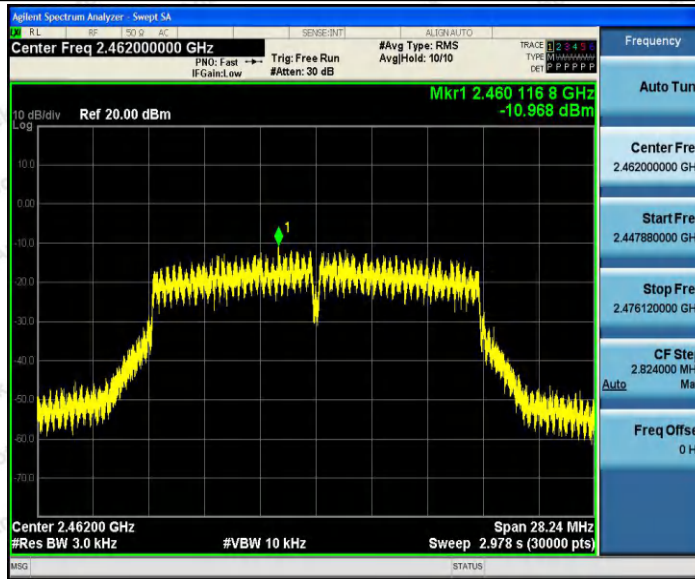


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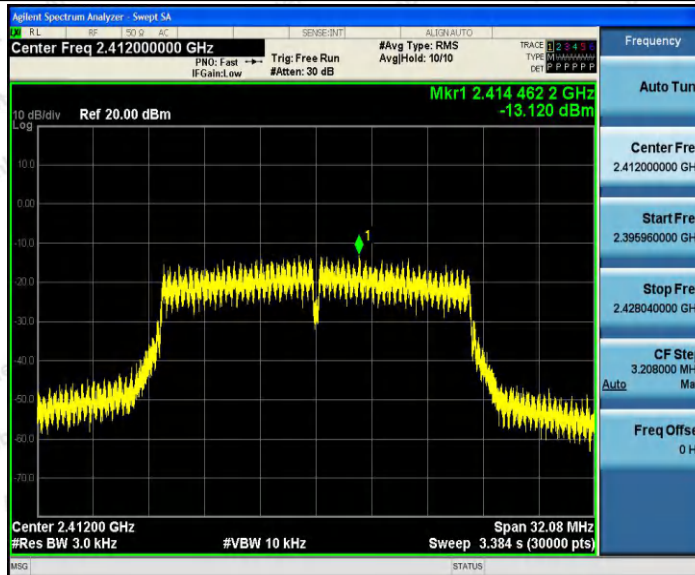
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11G_Ant1_2462



11N20_Ant1_2412

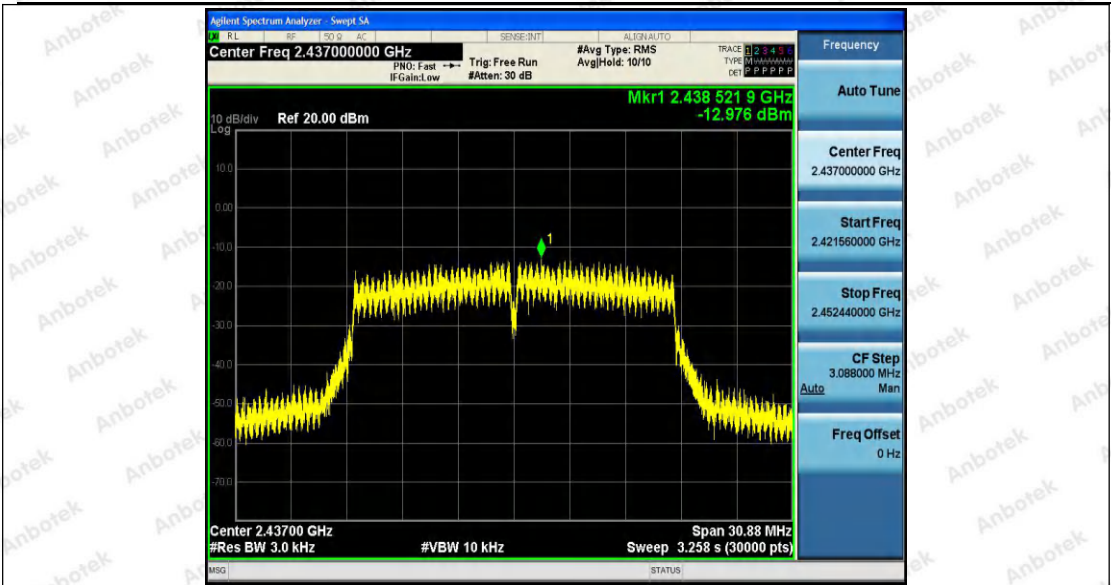


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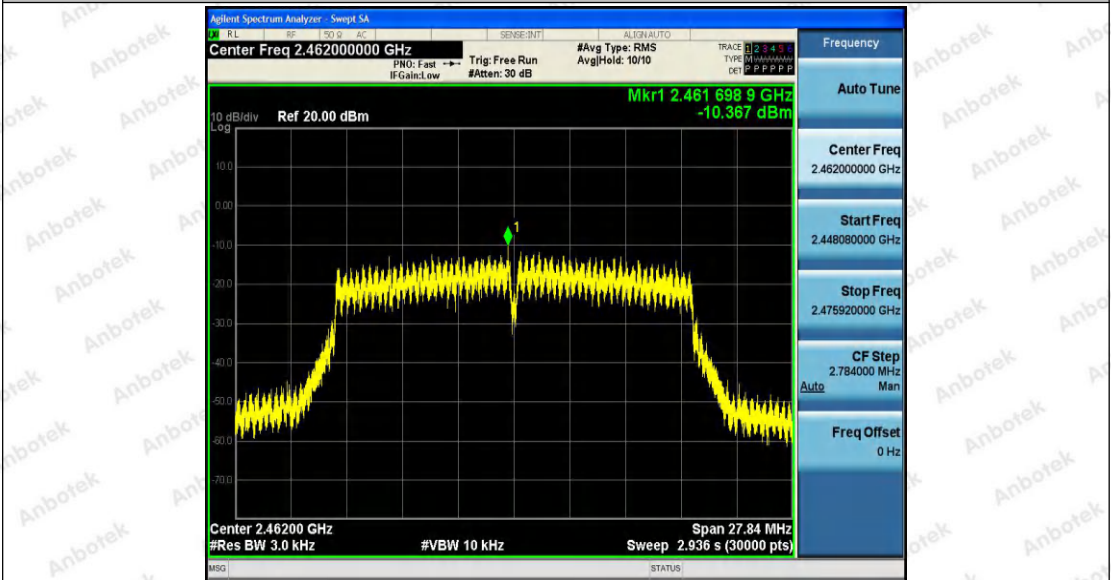
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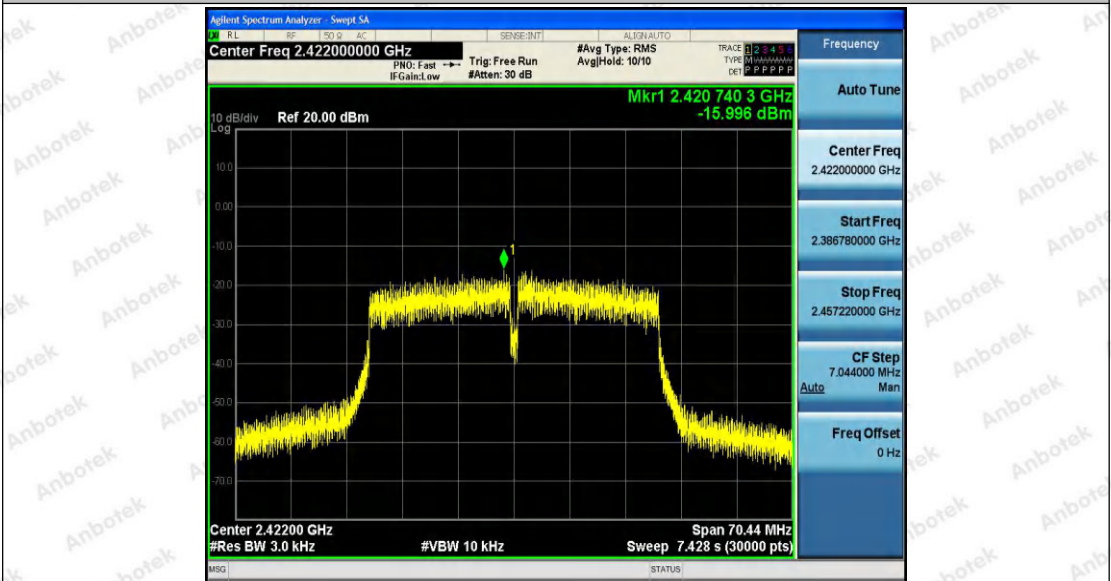
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11N20_Ant1_2462



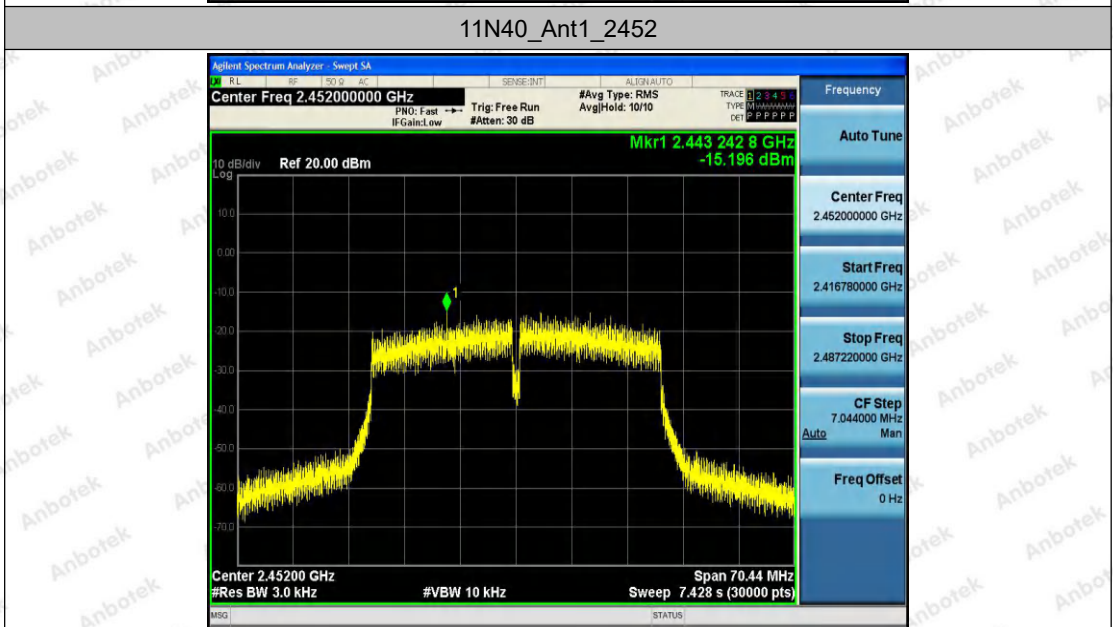
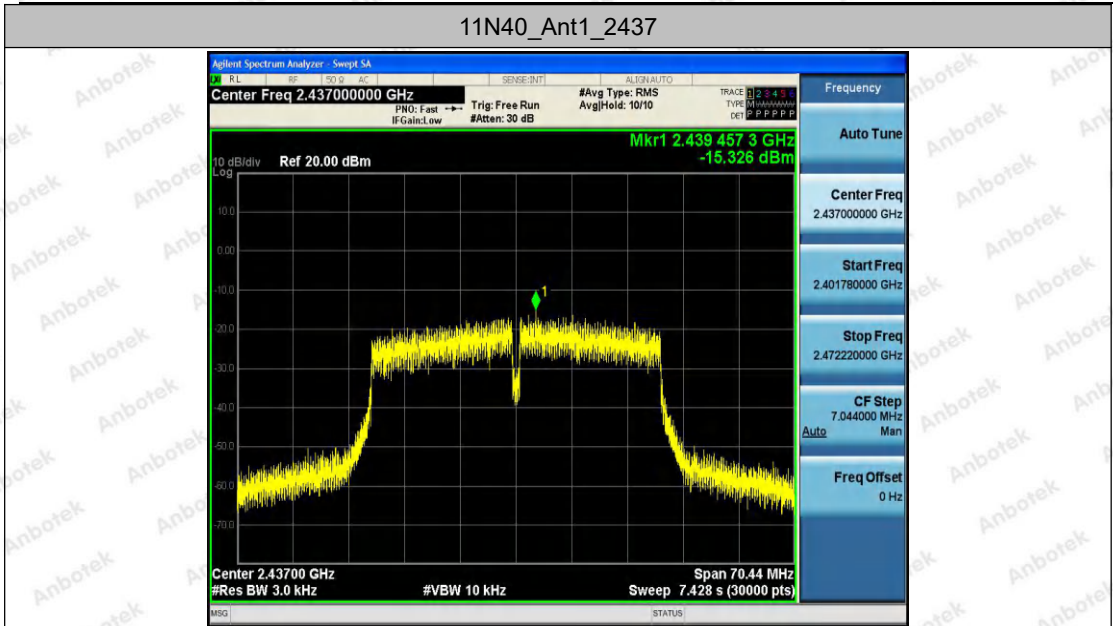
11N40_Ant1_2422



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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	5.69	-33.67	≤-14.31	PASS
		High	2462	7.11	-50.49	≤-12.89	PASS
11G	Ant1	Low	2412	1.94	-28.91	≤-18.06	PASS
		High	2462	2.47	-45.05	≤-17.53	PASS
11N20	Ant1	Low	2412	1.93	-27.49	≤-18.07	PASS
		High	2462	3.07	-41.75	≤-16.93	PASS
11N40	Ant1	Low	2422	-2.15	-34.12	≤-22.15	PASS
		High	2452	-3.59	-42.26	≤-23.59	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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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



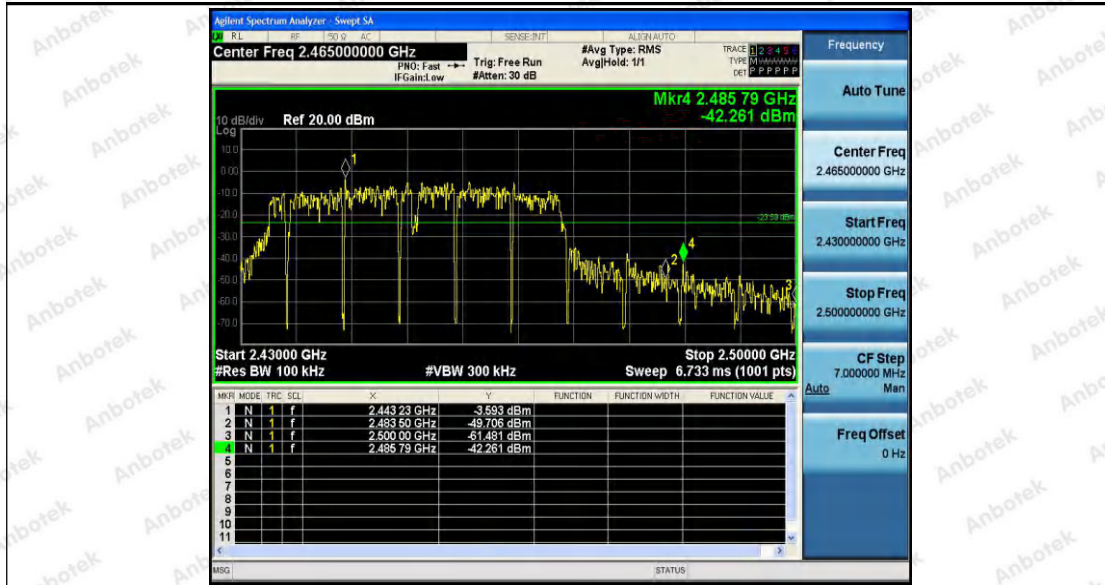
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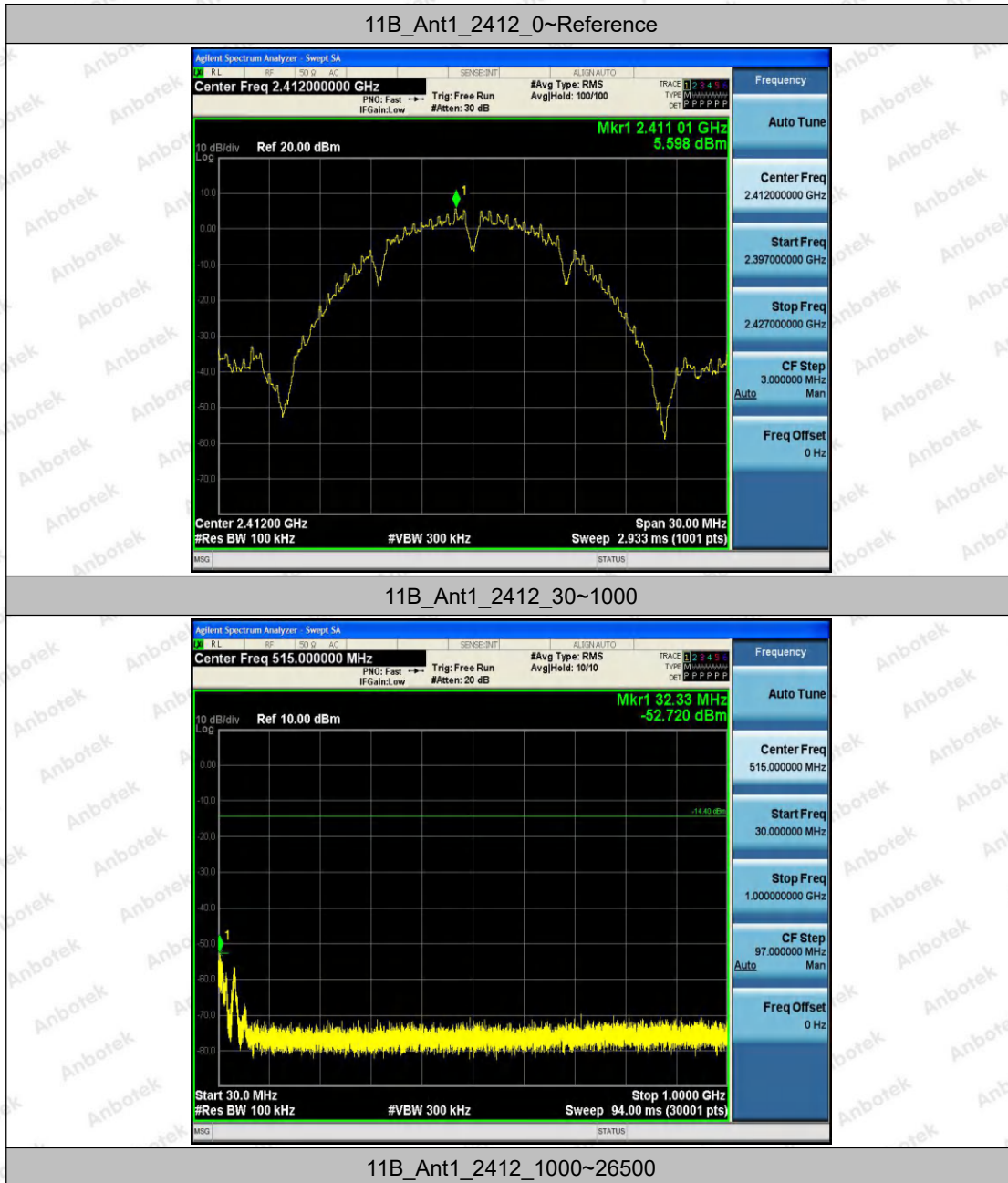
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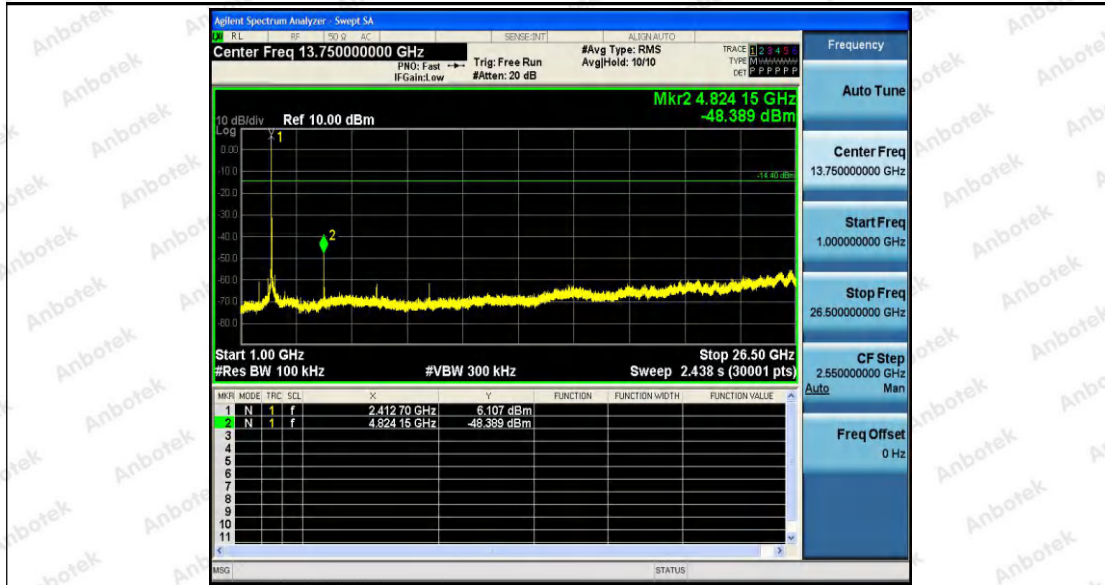
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.60	5.60	---	PASS
			30~1000	5.60	-52.72	≤-14.4	PASS
			1000~26500	5.60	-48.39	≤-14.4	PASS
		2437	Reference	5.04	5.04	---	PASS
			30~1000	5.04	-54.78	≤-14.96	PASS
			1000~26500	5.04	-47.46	≤-14.96	PASS
		2462	Reference	7.34	7.34	---	PASS
			30~1000	7.34	-52.99	≤-12.66	PASS
			1000~26500	7.34	-50.27	≤-12.66	PASS
11G	Ant1	2412	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-49.68	≤-18.33	PASS
			1000~26500	1.67	-52.72	≤-18.33	PASS
		2437	Reference	0.37	0.37	---	PASS
			30~1000	0.37	-53.19	≤-19.63	PASS
			1000~26500	0.37	-55.81	≤-19.63	PASS
		2462	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-52.87	≤-18	PASS
			1000~26500	2.00	-54.6	≤-18	PASS
11N20	Ant1	2412	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-52.63	≤-19.14	PASS
			1000~26500	0.86	-50.66	≤-19.14	PASS
		2437	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-52.03	≤-18.62	PASS
			1000~26500	1.38	-55.31	≤-18.62	PASS
		2462	Reference	3.25	3.25	---	PASS
			30~1000	3.25	-52.91	≤-16.75	PASS
			1000~26500	3.25	-55.02	≤-16.75	PASS
11N40	Ant1	2422	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-51.98	≤-23.01	PASS
			1000~26500	-3.01	-55.46	≤-23.01	PASS
		2437	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-52.84	≤-21.97	PASS
			1000~26500	-1.97	-55.6	≤-21.97	PASS
		2452	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-53.73	≤-21.16	PASS
			1000~26500	-1.16	-55.22	≤-21.16	PASS

Test Graphs

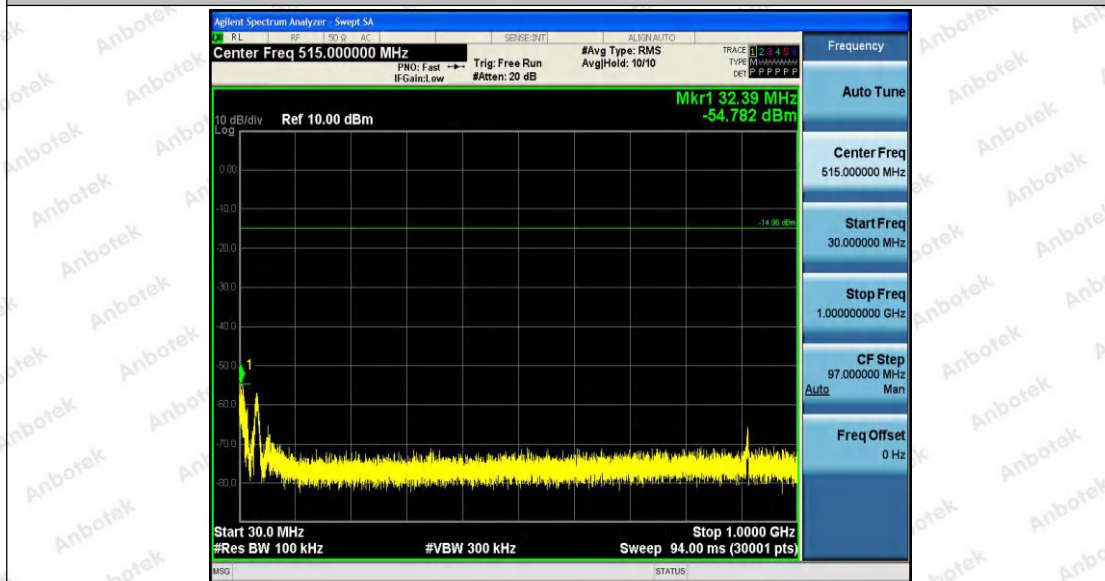




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

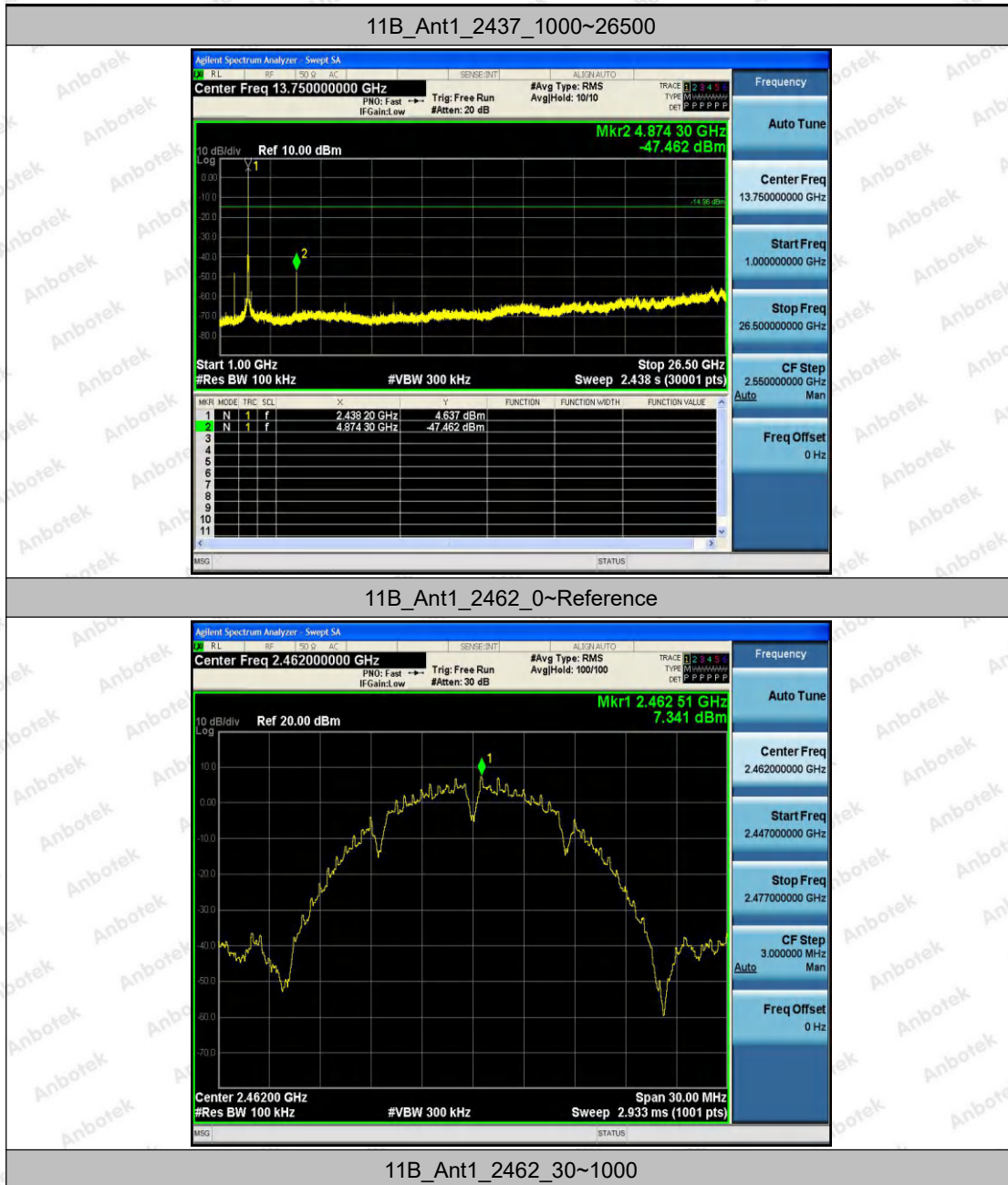


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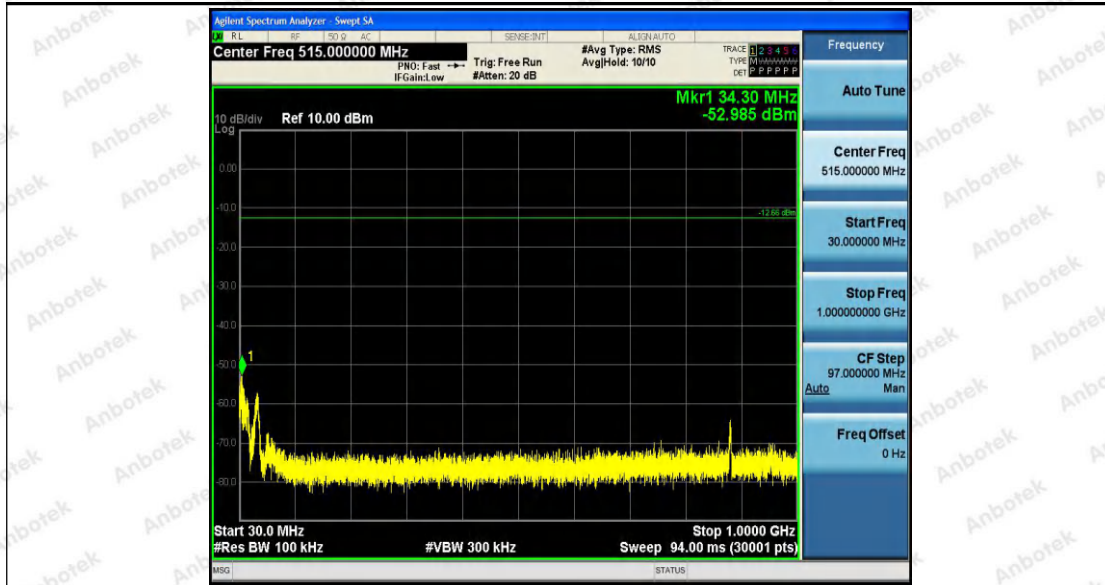


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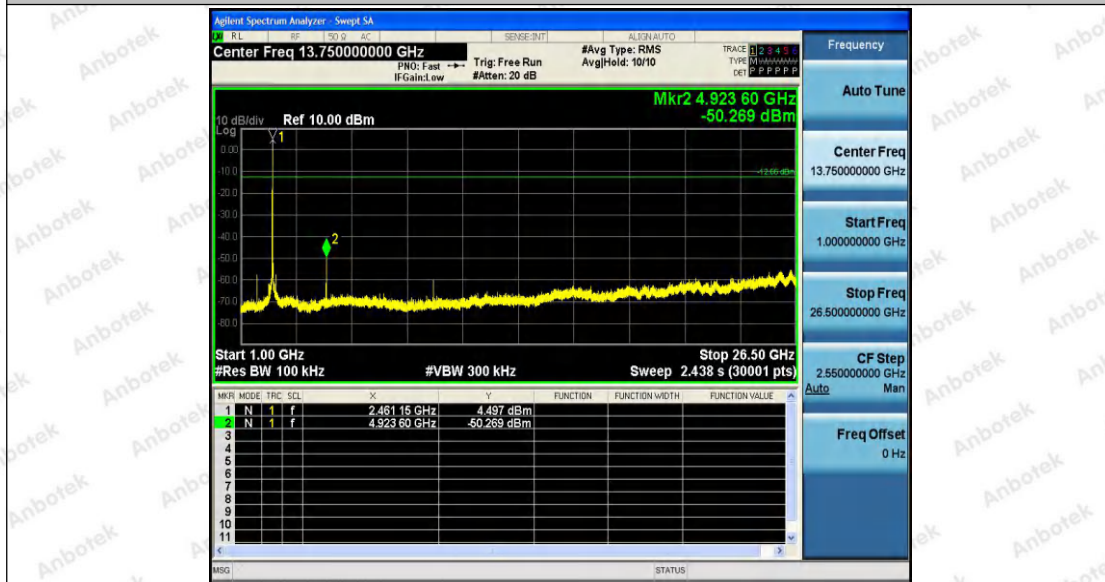
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

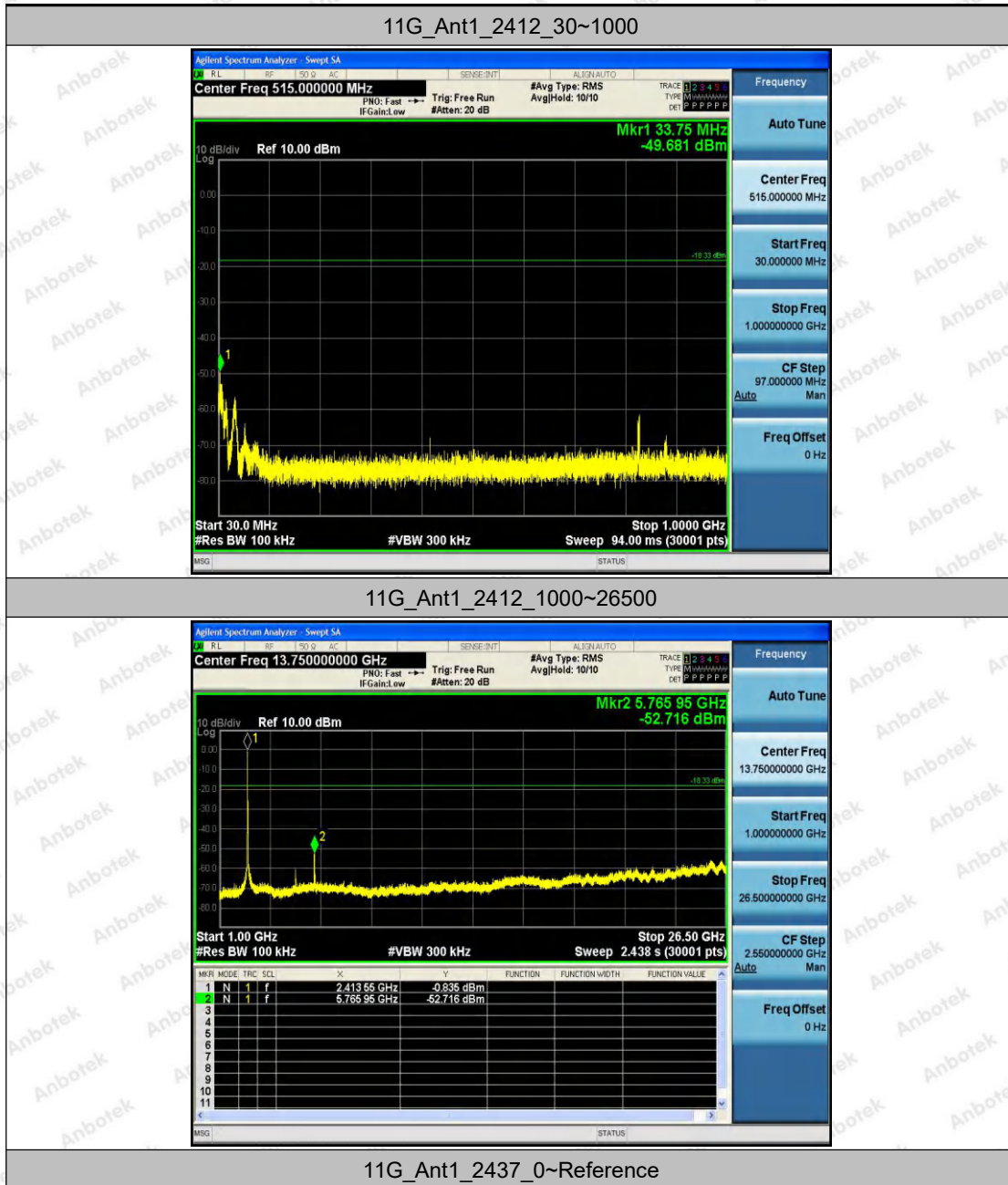


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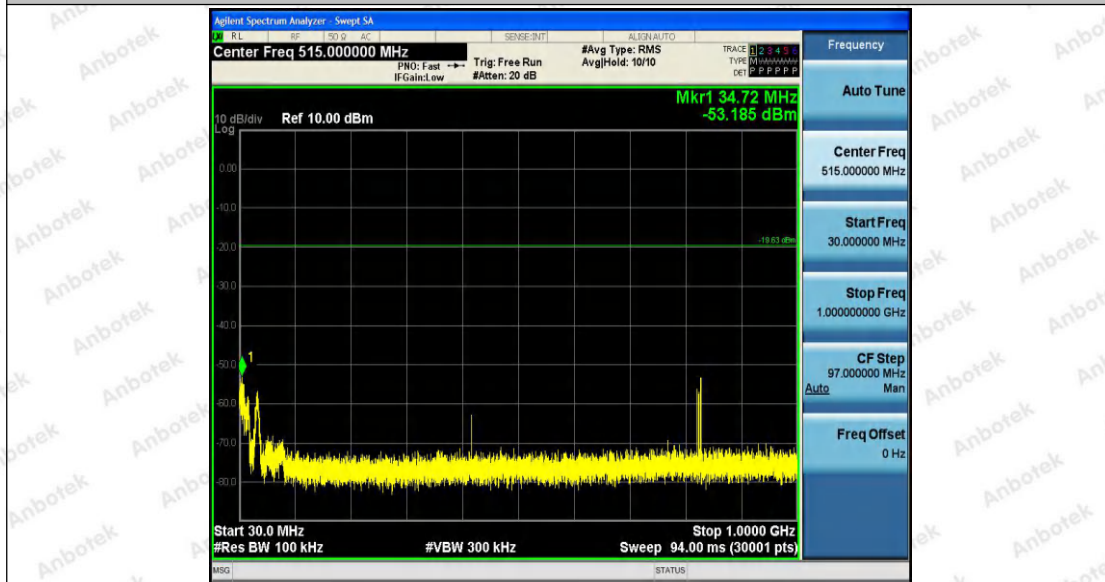
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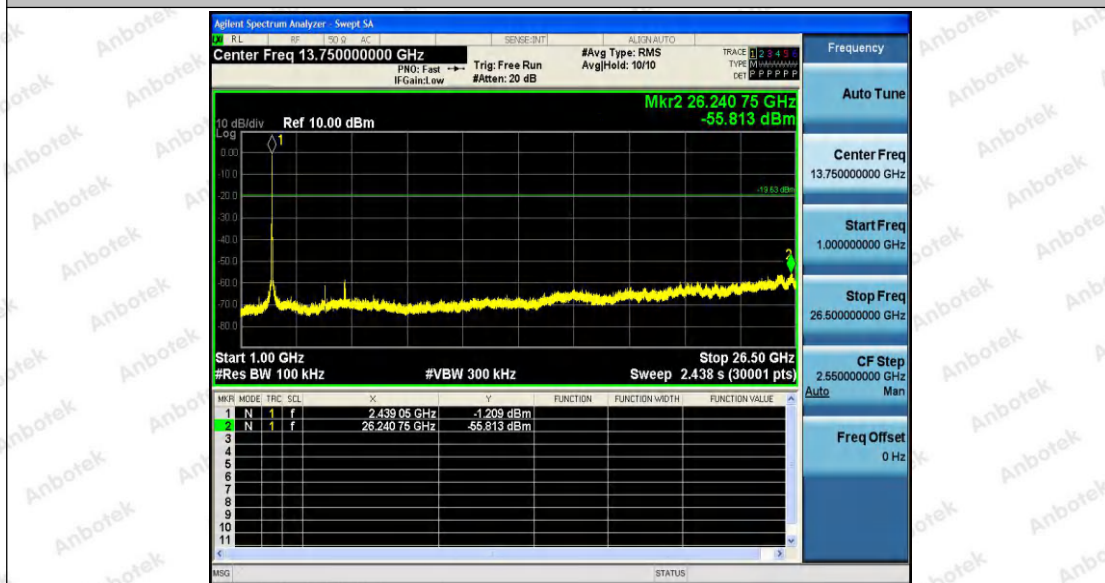
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

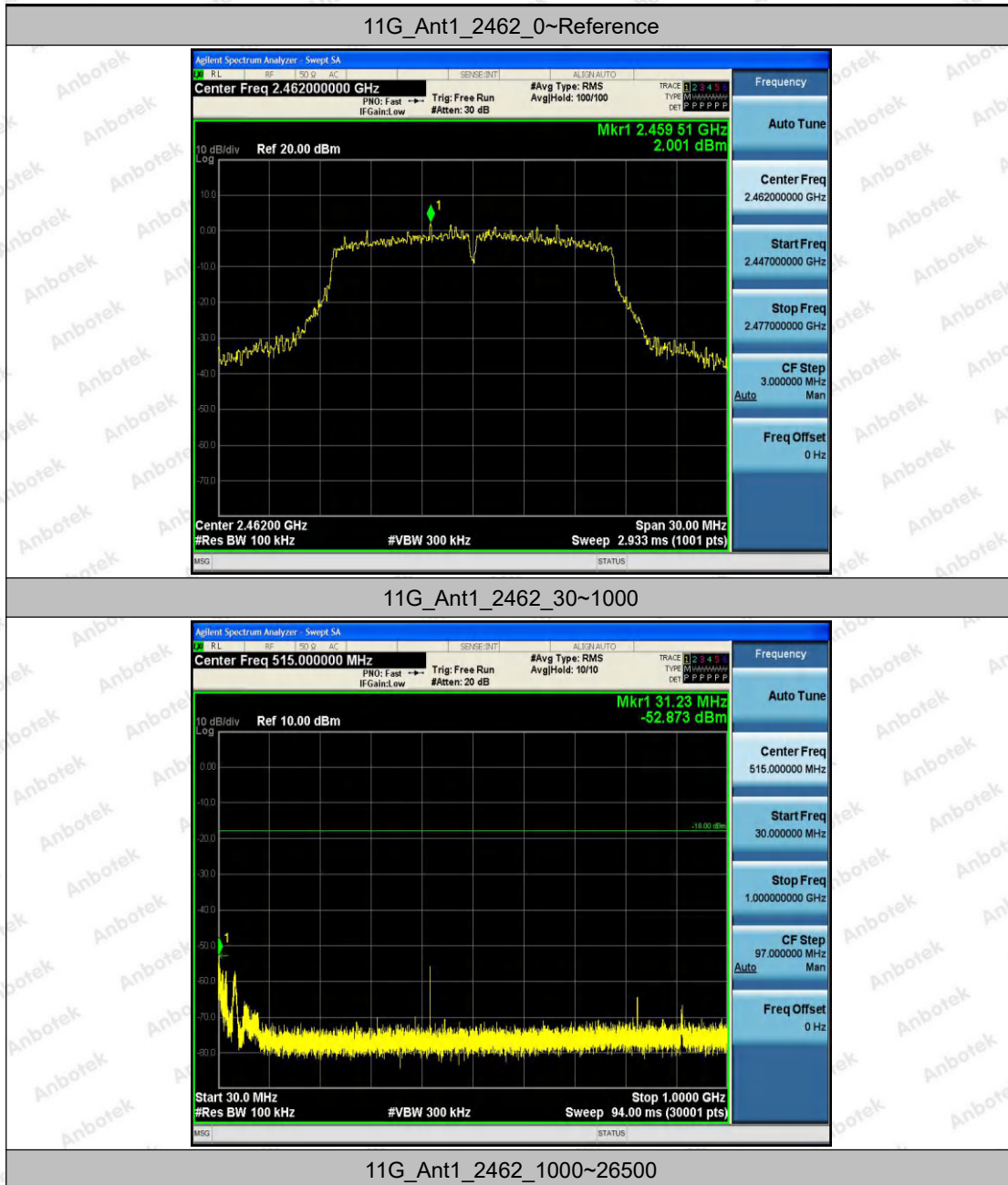


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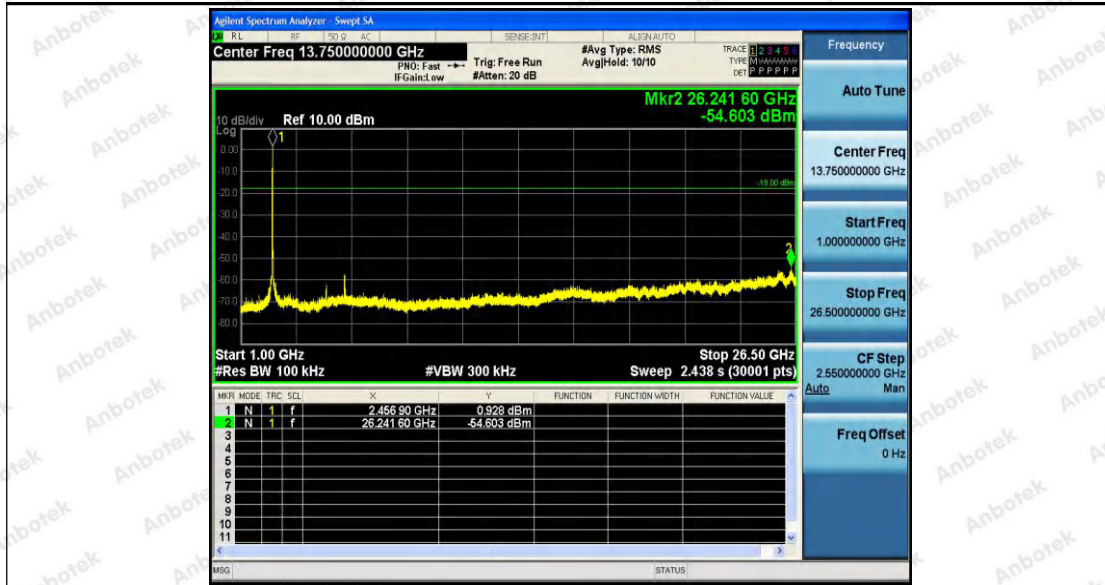
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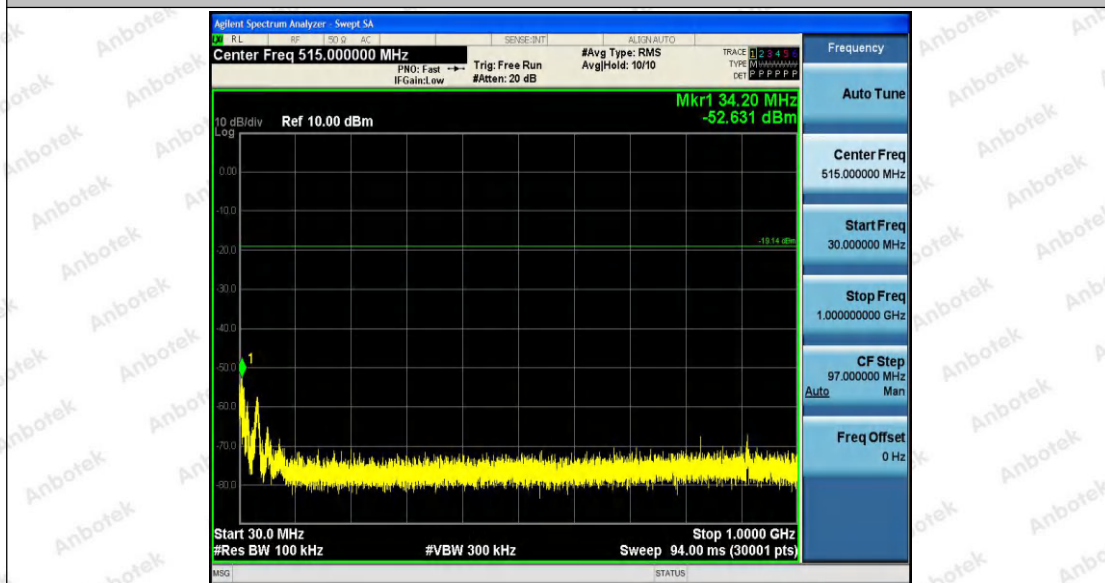
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

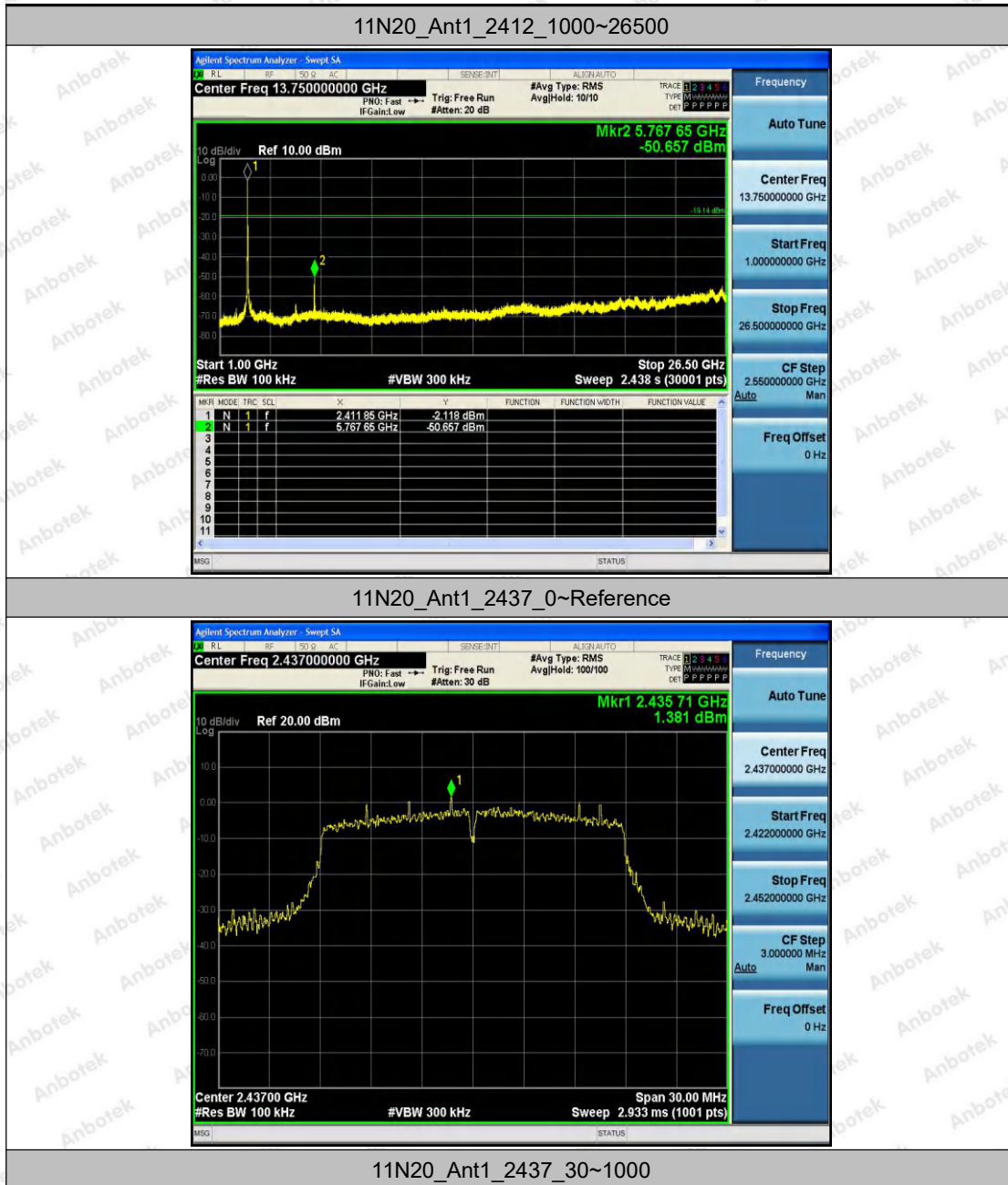


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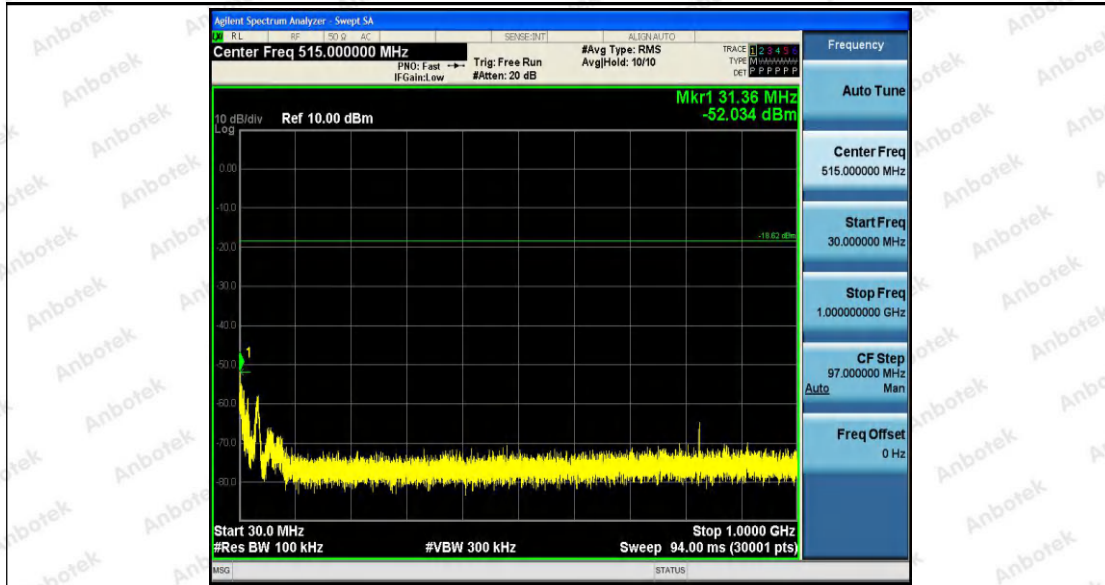


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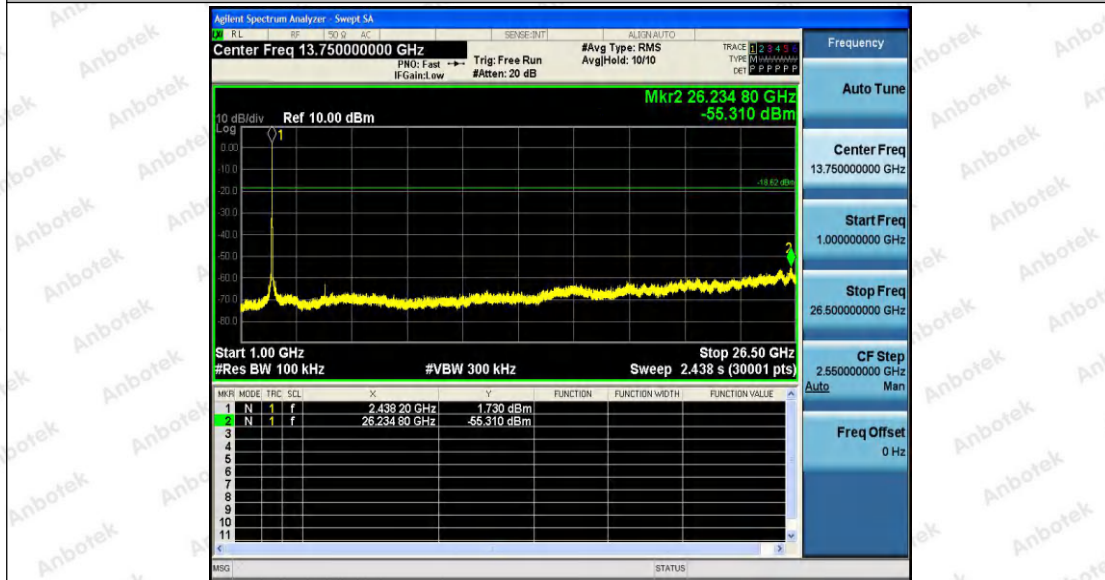
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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

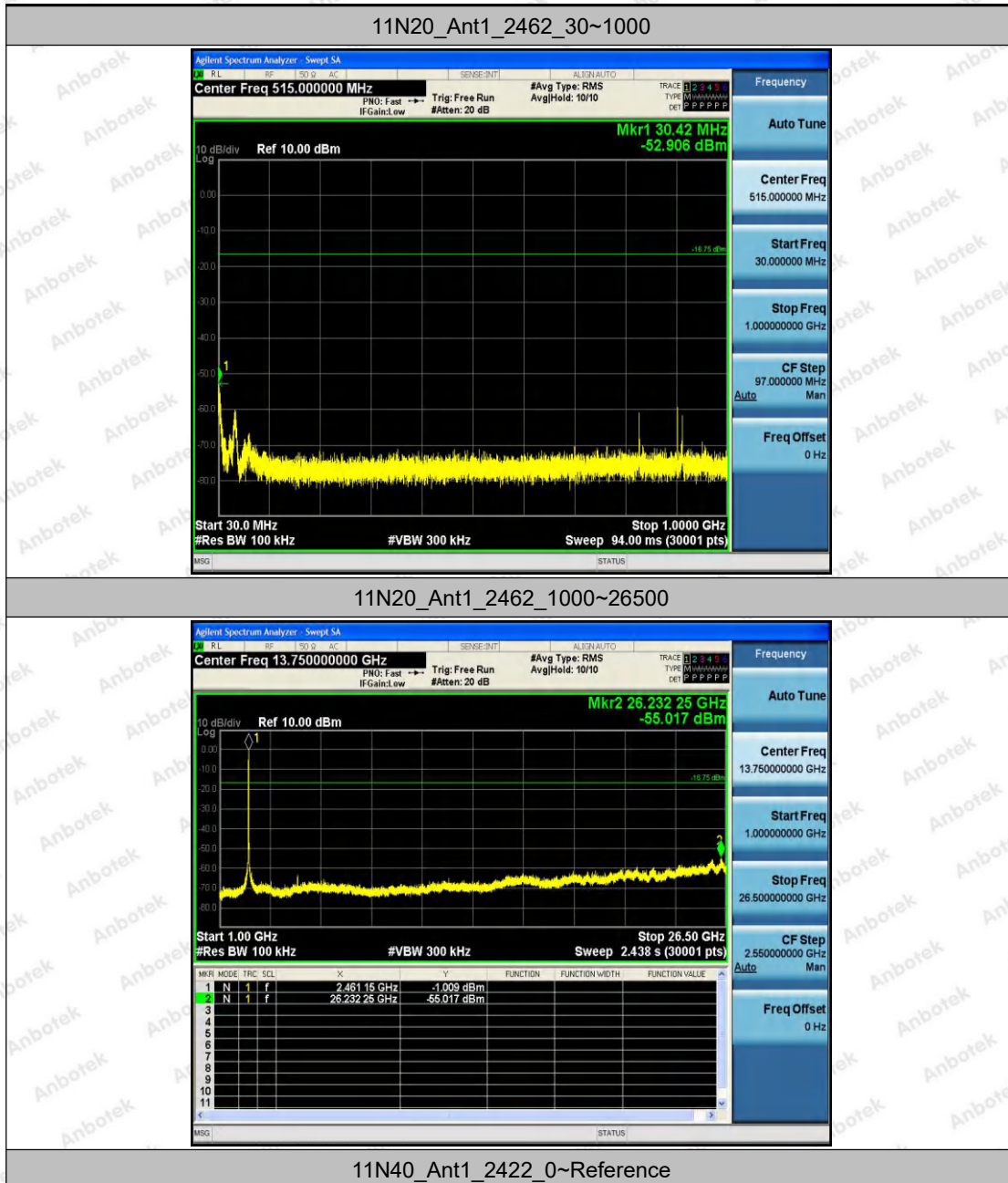


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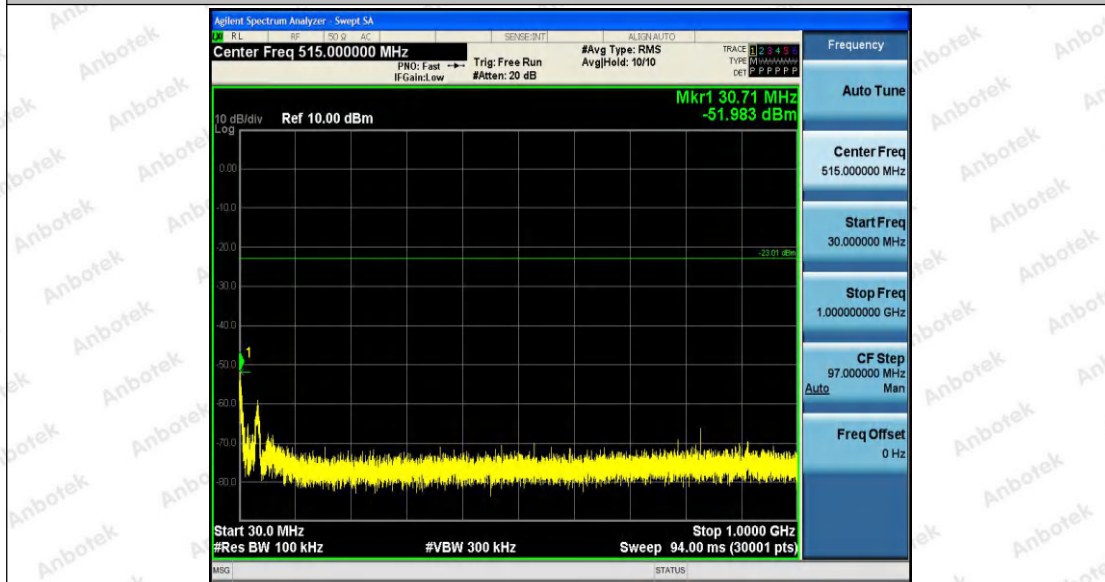
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

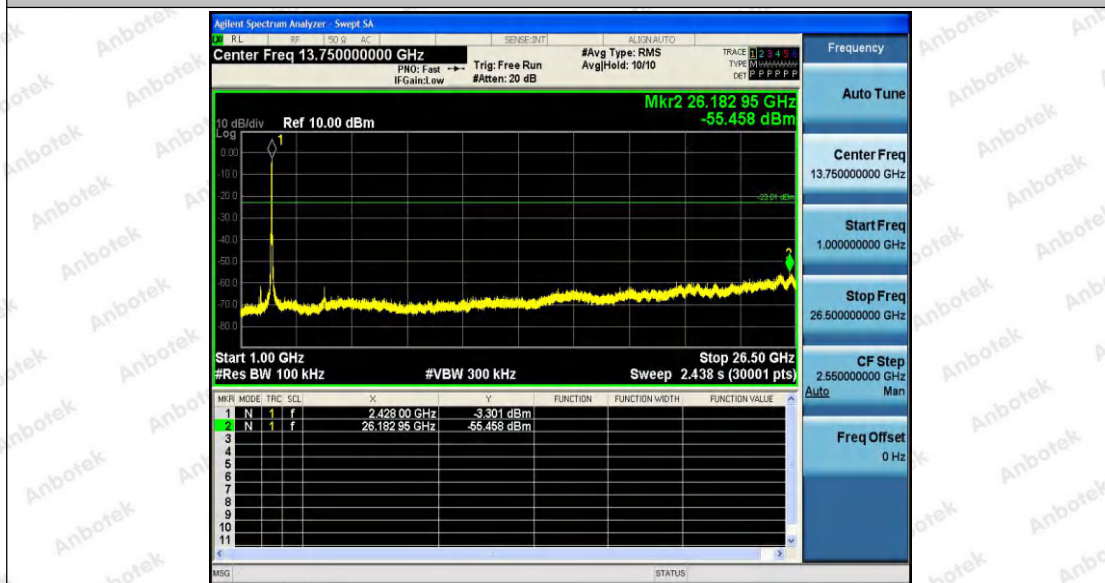
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11N40_Ant1_2422_30~1000



11N40_Ant1_2422_1000~26500

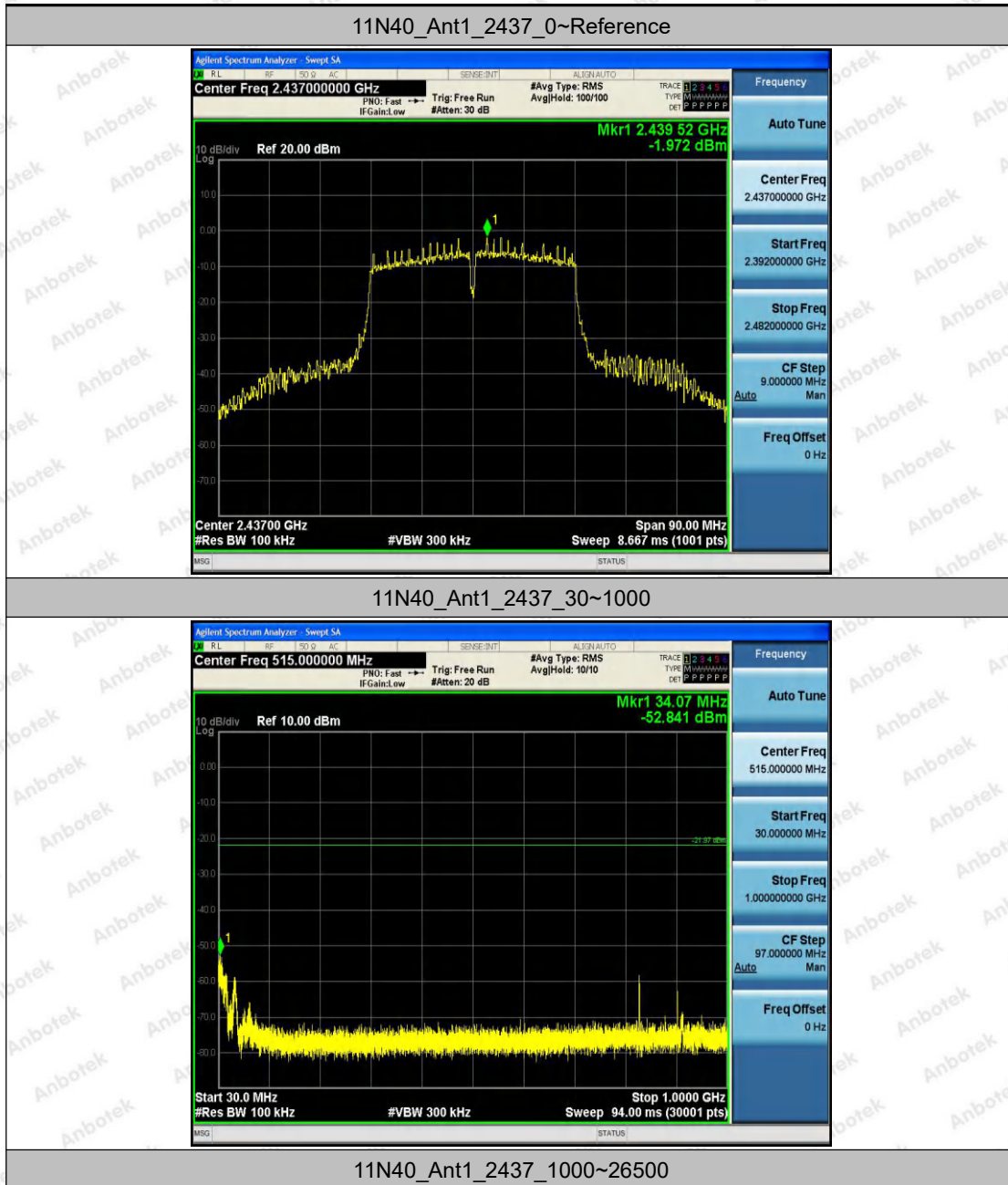


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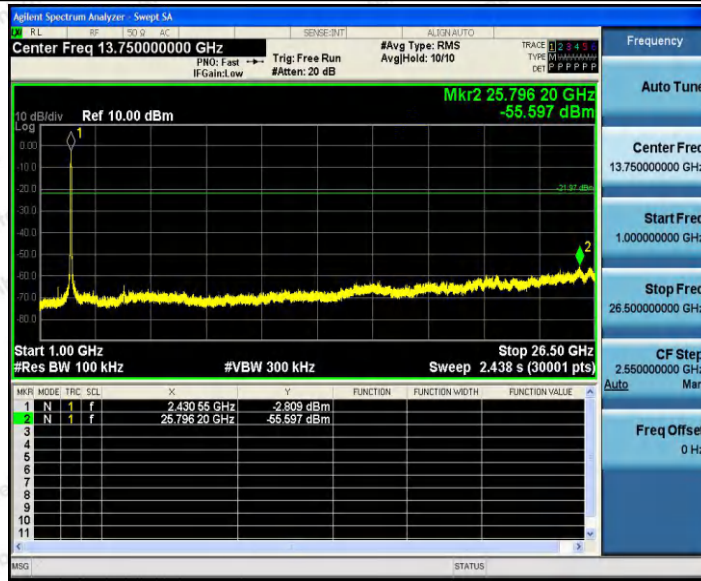
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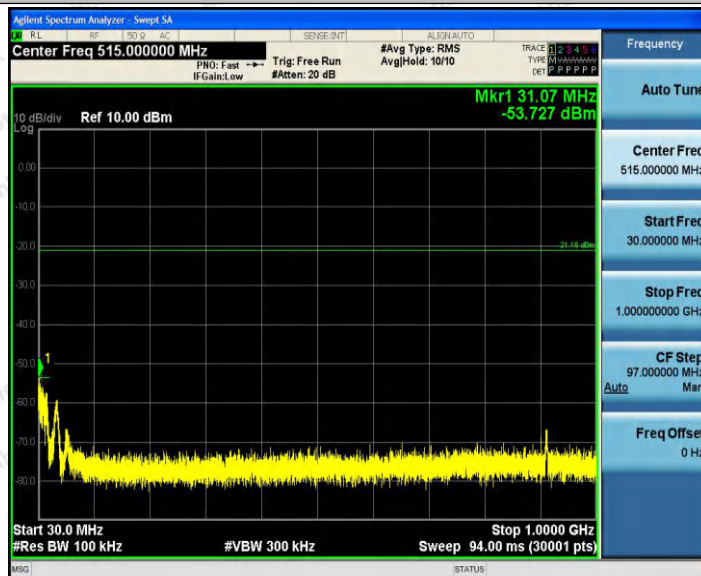
Hotline
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11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

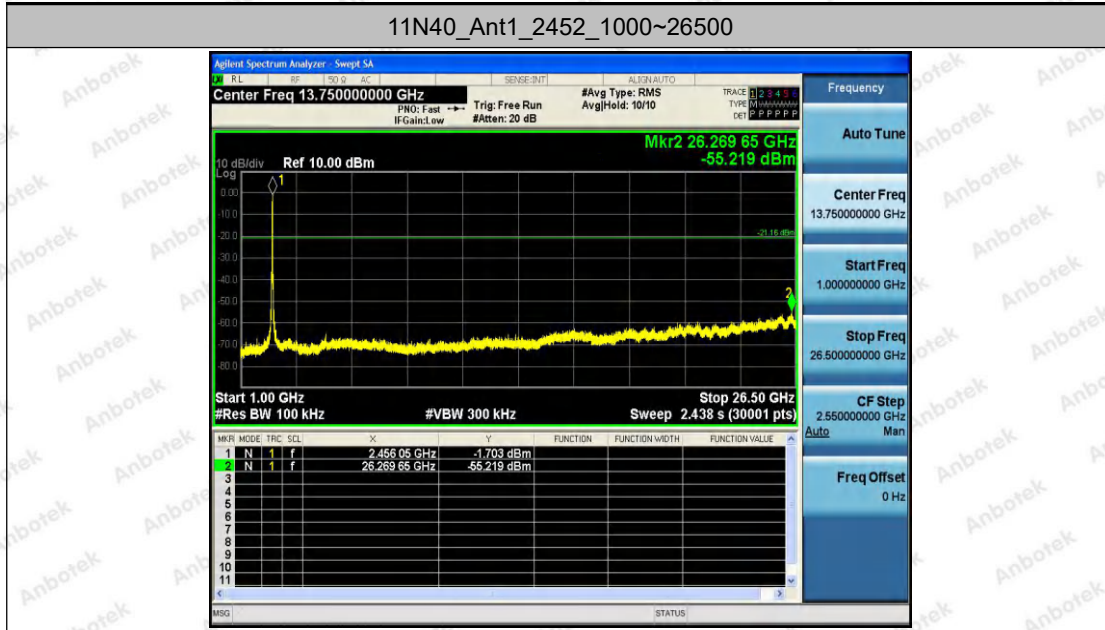


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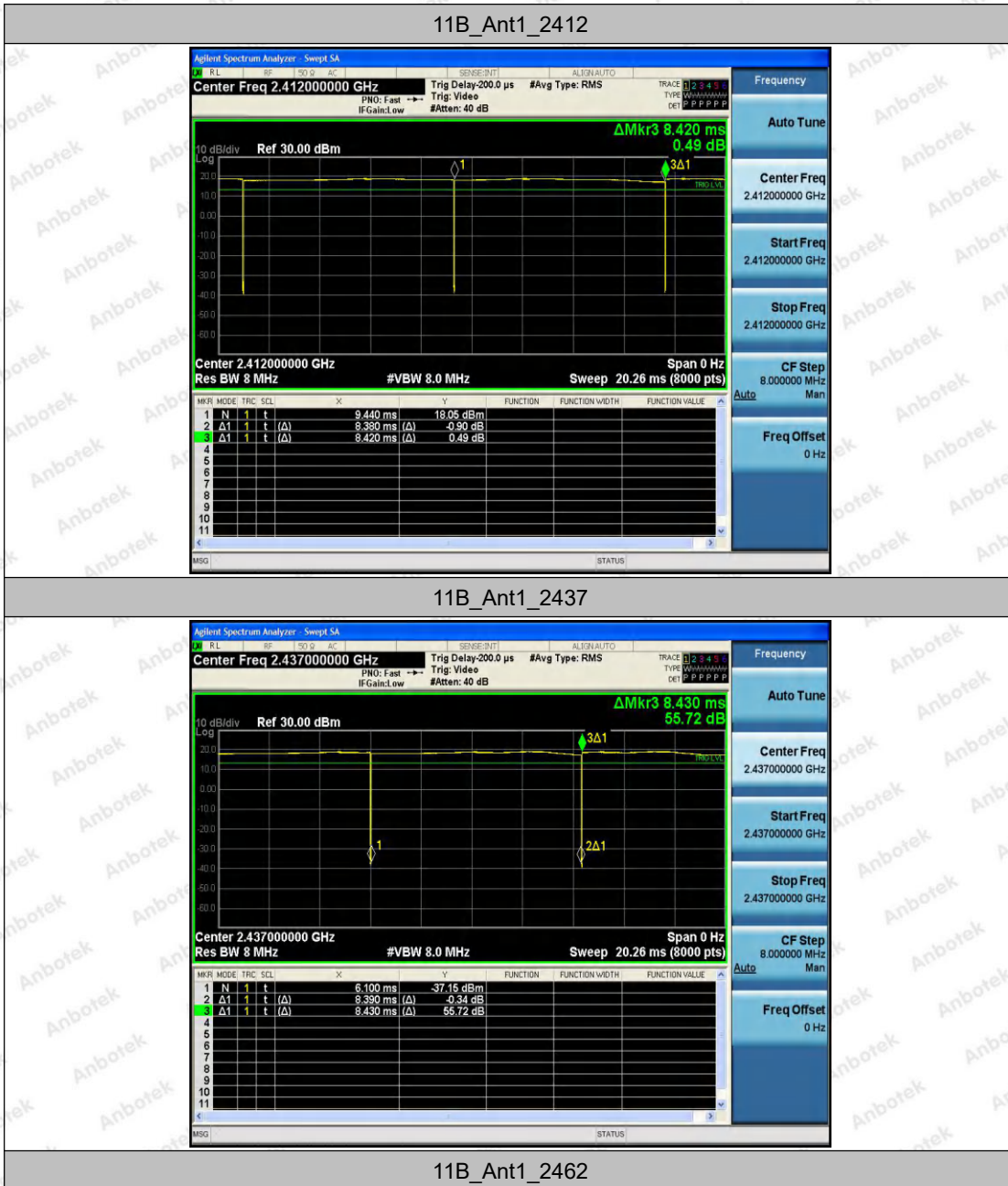
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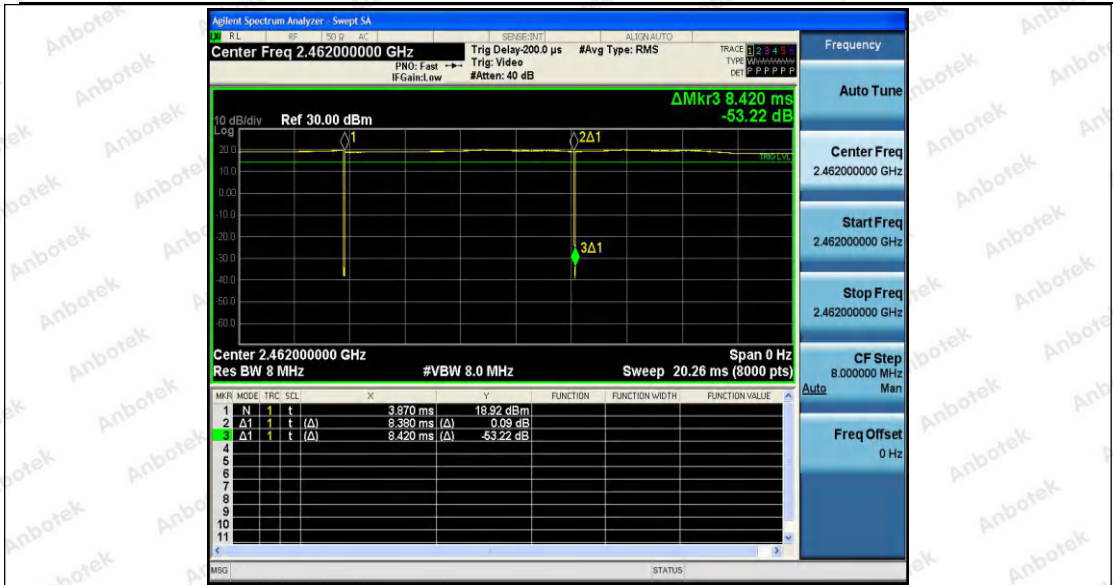
Appendix G: Duty Cycle

Test Result

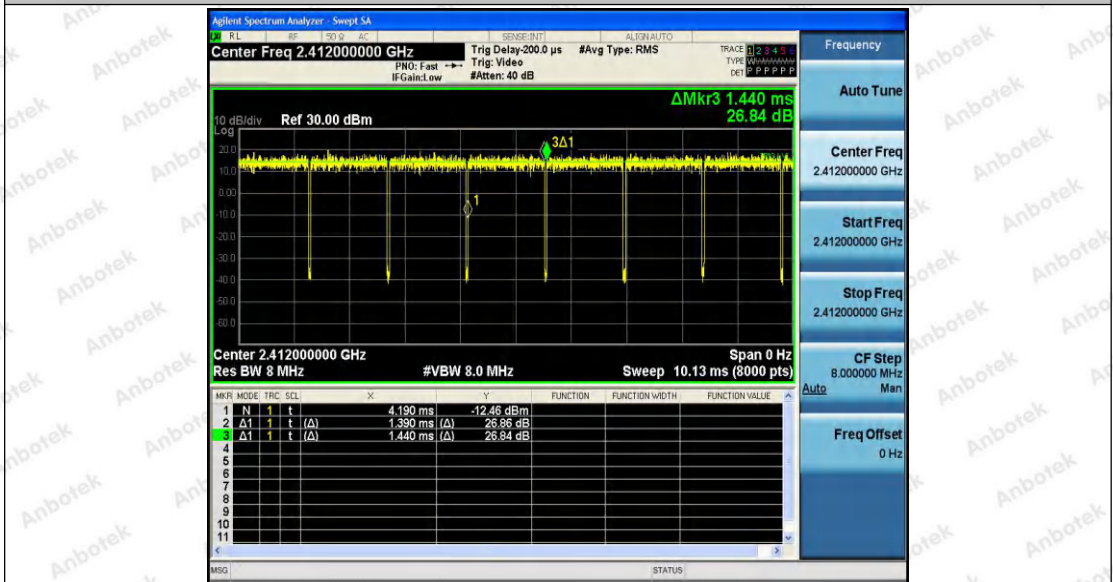
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.42	99.52	---	PASS
		2437	8.39	8.43	99.53	---	PASS
		2462	8.38	8.42	99.52	---	PASS
11G	Ant1	2412	1.39	1.44	96.53	---	PASS
		2437	1.39	1.44	96.53	---	PASS
		2462	1.39	1.44	96.53	---	PASS
11N20	Ant1	2412	1.29	1.33	96.99	---	PASS
		2437	1.28	1.33	96.24	---	PASS
		2462	1.29	1.34	96.27	---	PASS
11N40	Ant1	2422	0.64	0.68	94.12	---	PASS
		2437	0.64	0.68	94.12	---	PASS
		2452	0.63	0.68	92.65	---	PASS

Test Graphs

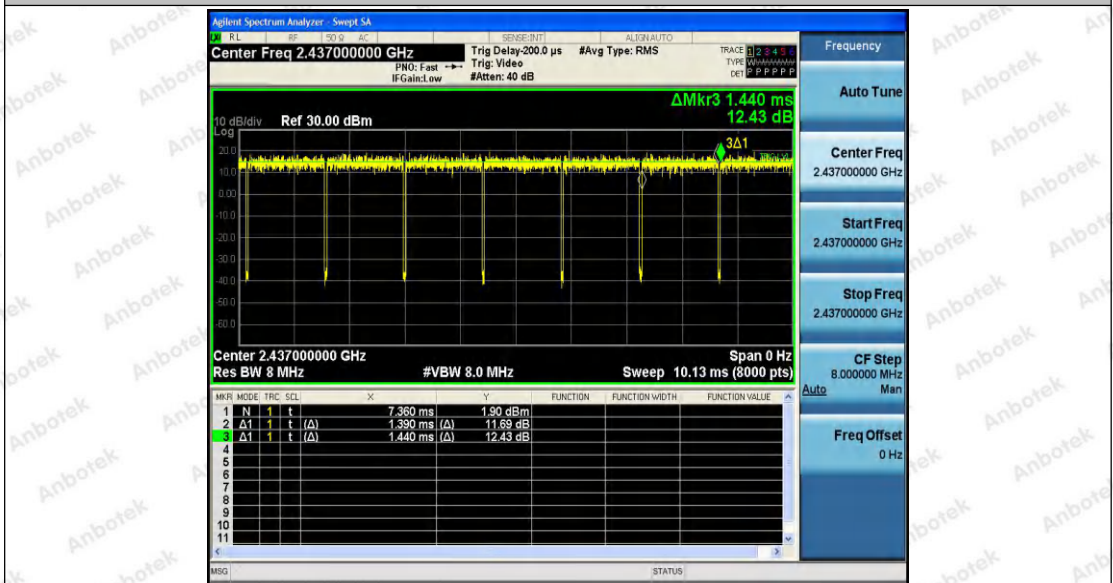




11G_Ant1_2412



11G_Ant1_2437

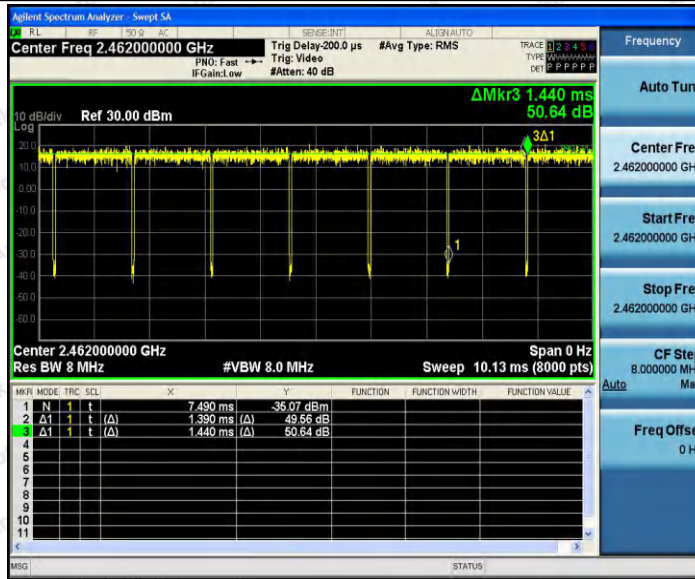


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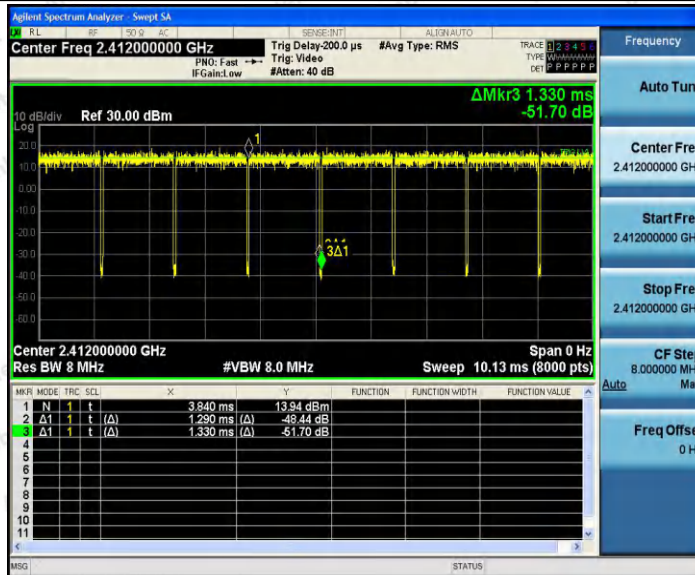
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11G_Ant1_2462



11N20_Ant1_2412



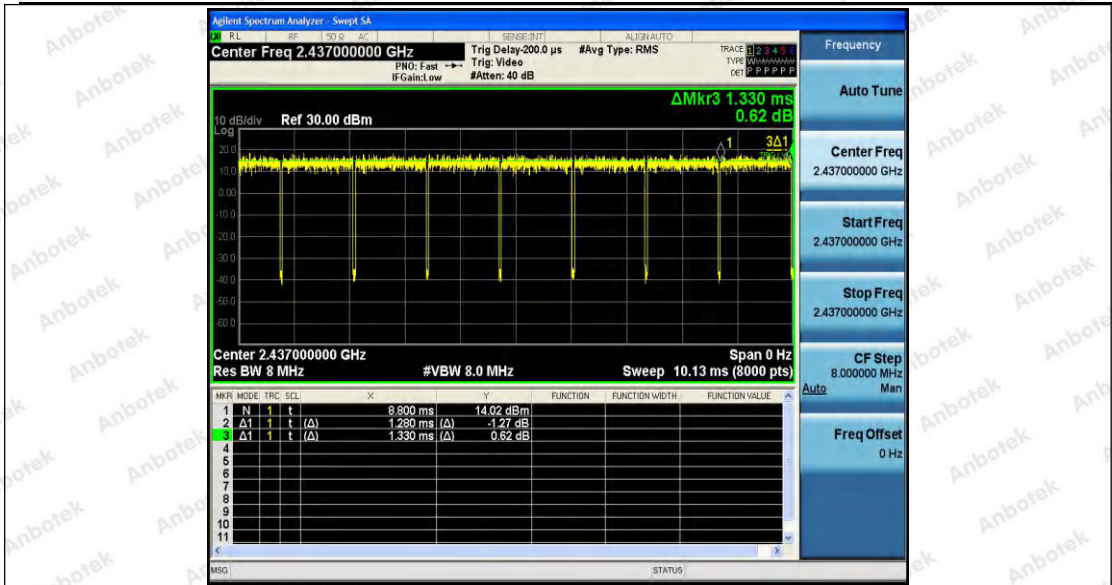
11N20_Ant1_2437

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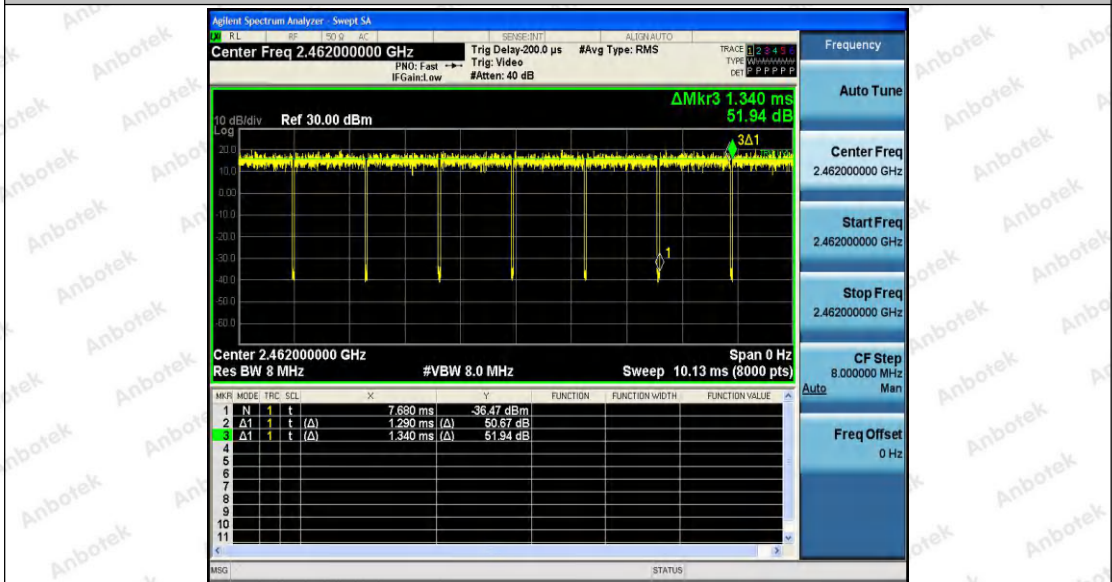
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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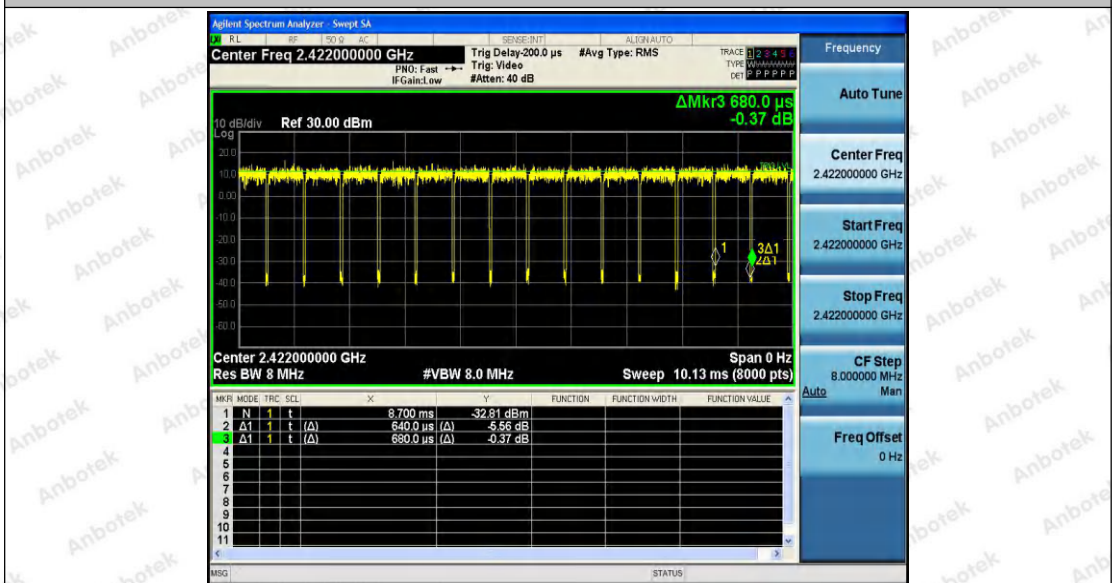
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11N20_Ant1_2462



11N40_Ant1_2422

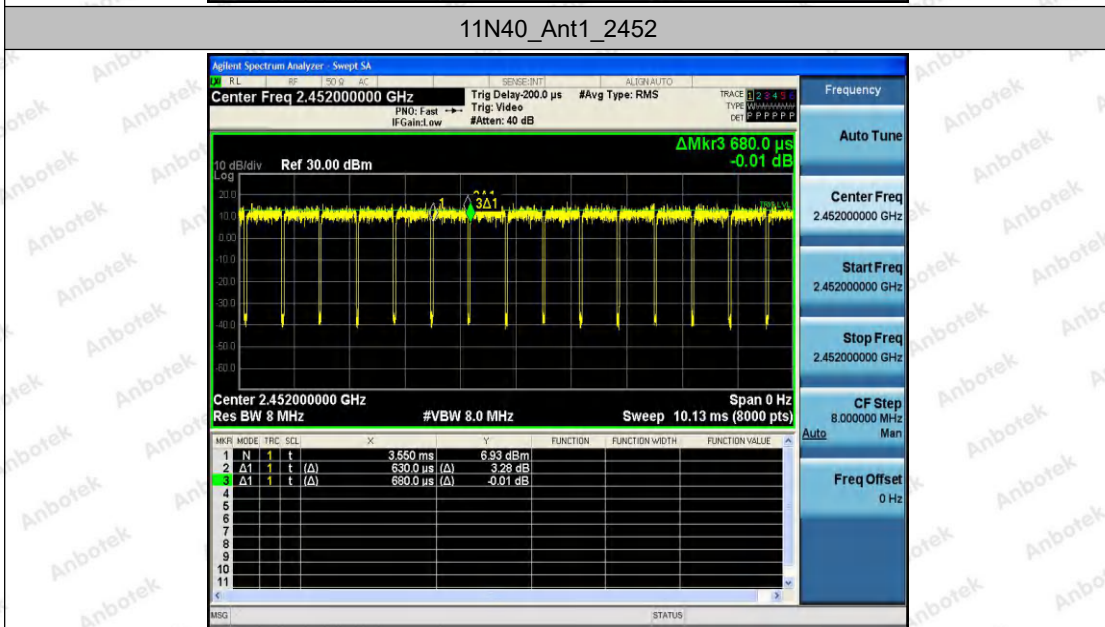
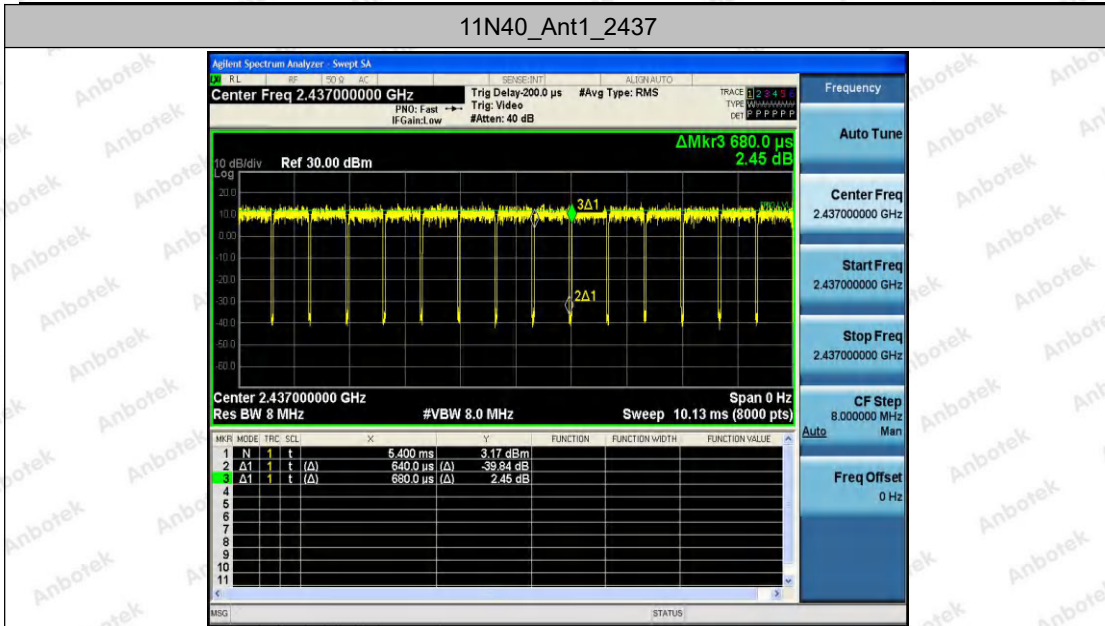


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