

Appendix Test Data

Report No.:	18220WC20060901	Test Sample No.:	1-2-2
Start Test Date:	2022.3.30	Finish Test Date:	2022.3.30
Test Engineer:	<i>Jony 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	9.640	2407.400	2417.040	≥0.5	PASS
		2437	9.160	2432.440	2441.600	≥0.5	PASS
		2462	9.640	2456.960	2466.600	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥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	17.680	2403.160	2420.840	≥0.5	PASS
		2437	17.640	2428.200	2445.840	≥0.5	PASS
		2462	17.680	2453.160	2470.840	≥0.5	PASS

Test Graphs

11B_Ant1_2412



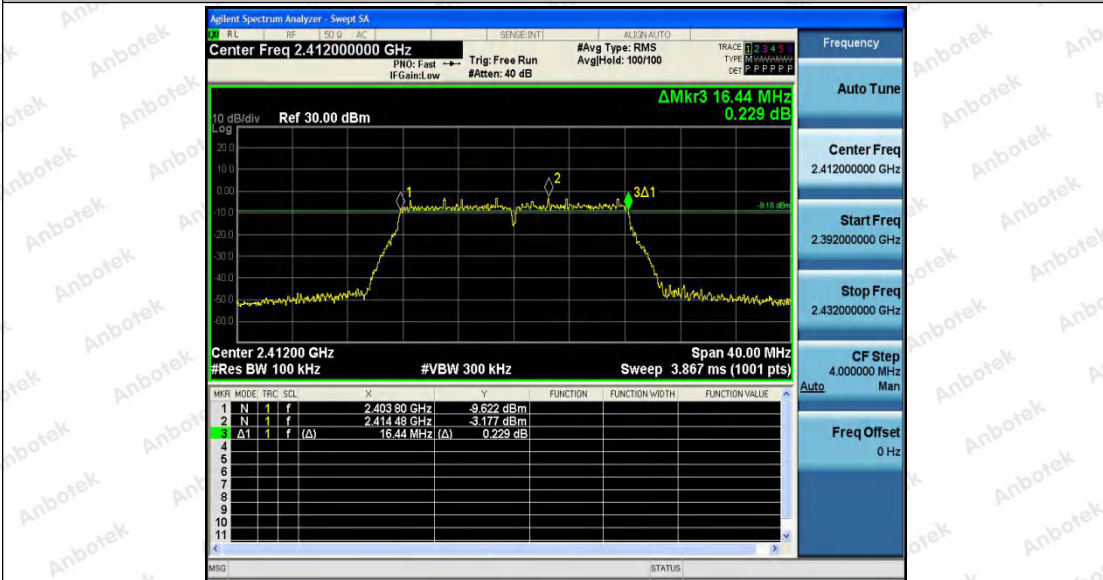
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



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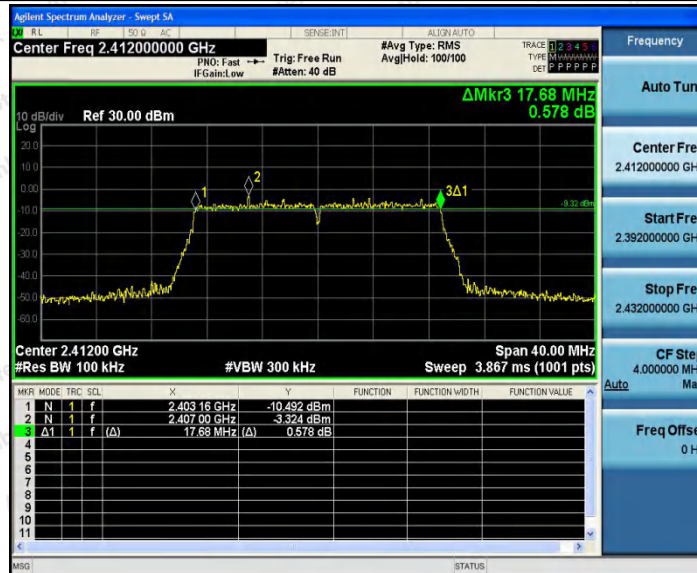
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11G_Ant1_2462



11N20_Ant1_2412



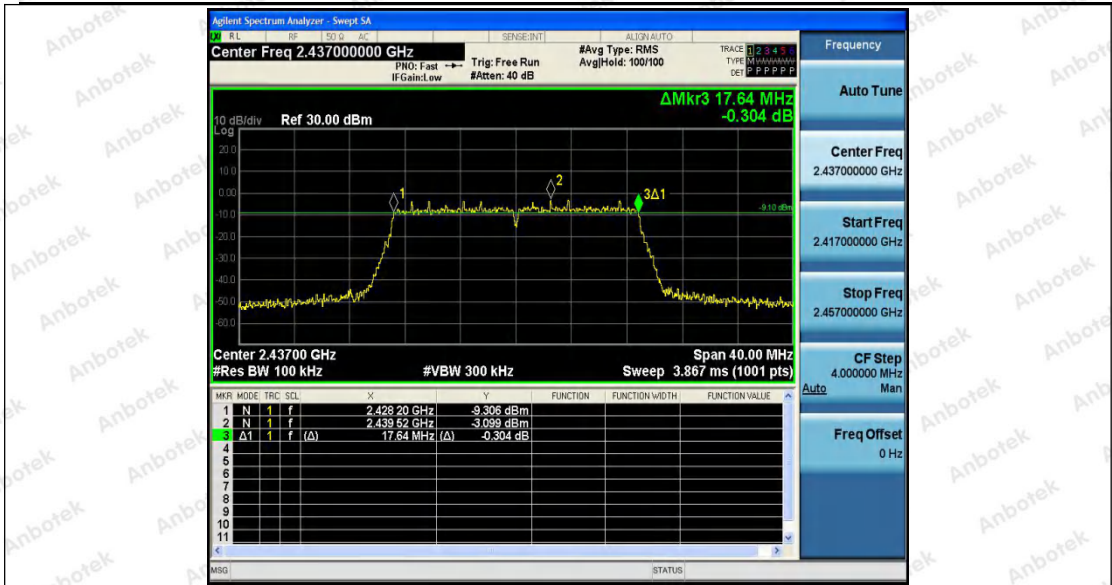
11N20_Ant1_2437

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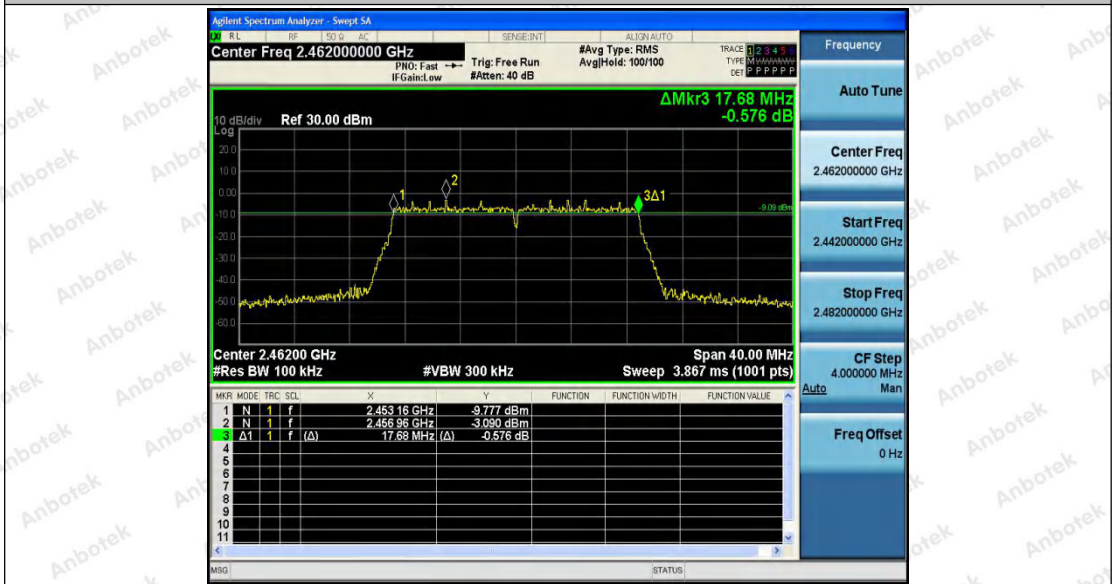
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11N20_Ant1_2462



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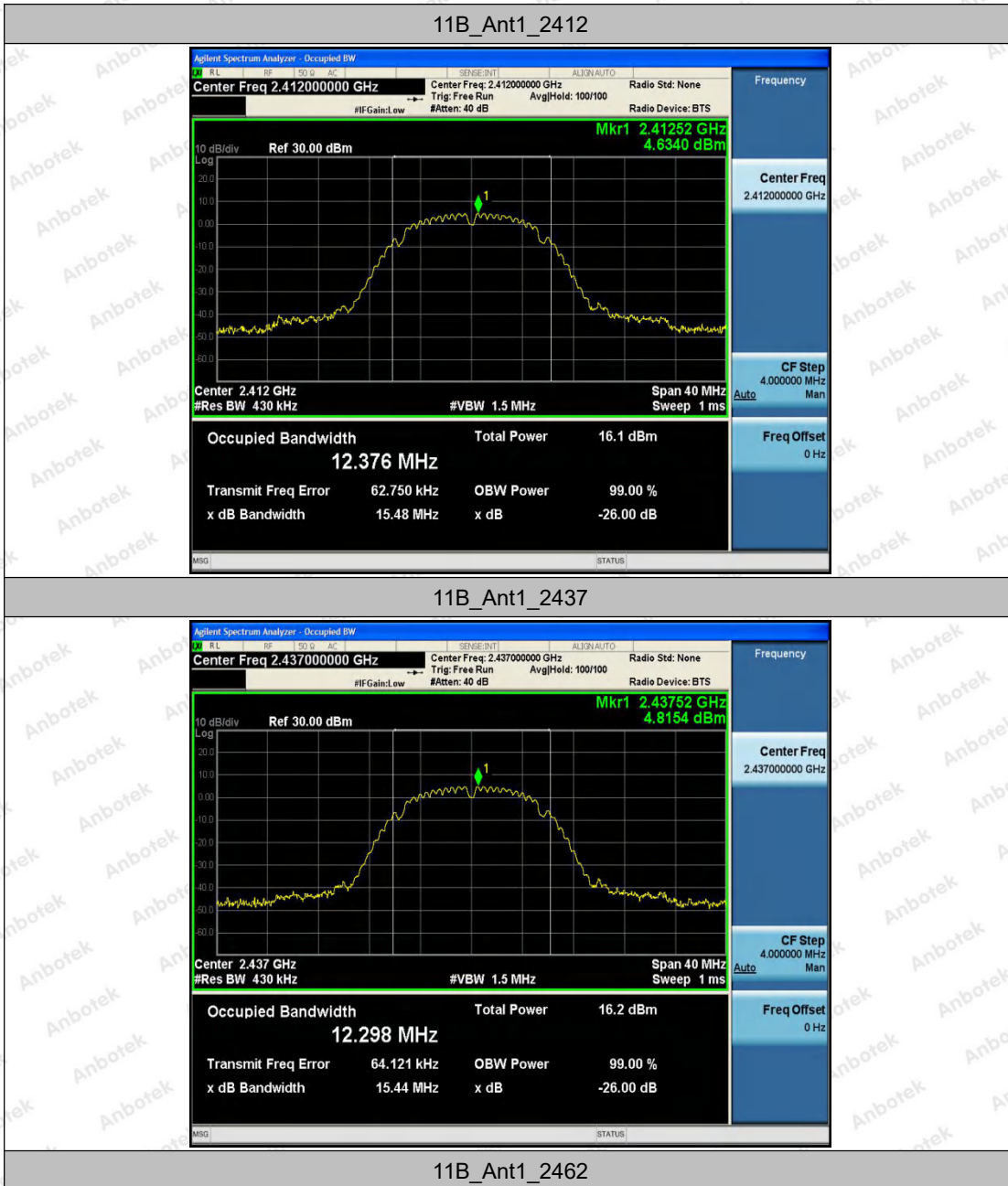
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.376	2405.875	2418.251	---	PASS
		2437	12.298	2430.915	2443.213	---	PASS
		2462	12.325	2455.836	2468.161	---	PASS
11G	Ant1	2412	17.191	2403.451	2420.642	---	PASS
		2437	17.124	2428.468	2445.592	---	PASS
		2462	17.006	2453.504	2470.510	---	PASS
11N20	Ant1	2412	17.937	2403.087	2421.024	---	PASS
		2437	17.997	2428.044	2446.041	---	PASS
		2462	17.990	2452.996	2470.986	---	PASS

Test Graphs



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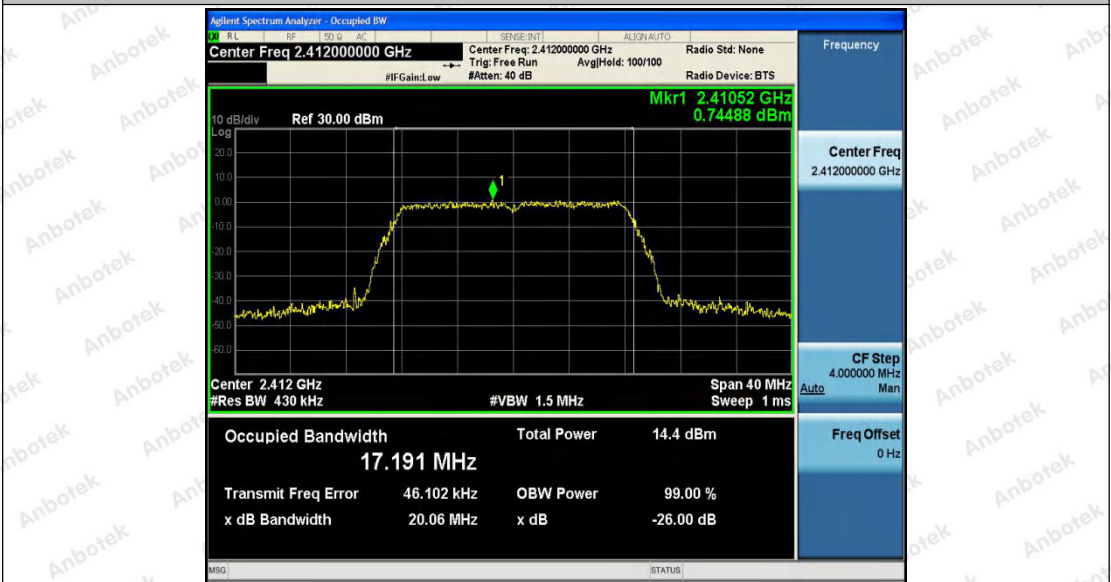
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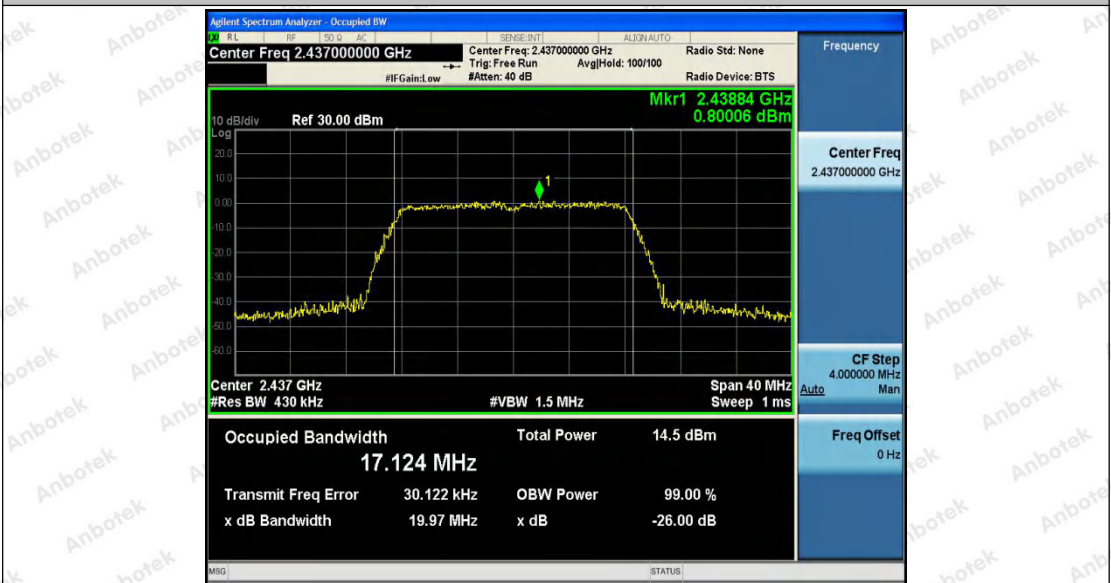
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11G_Ant1_2412



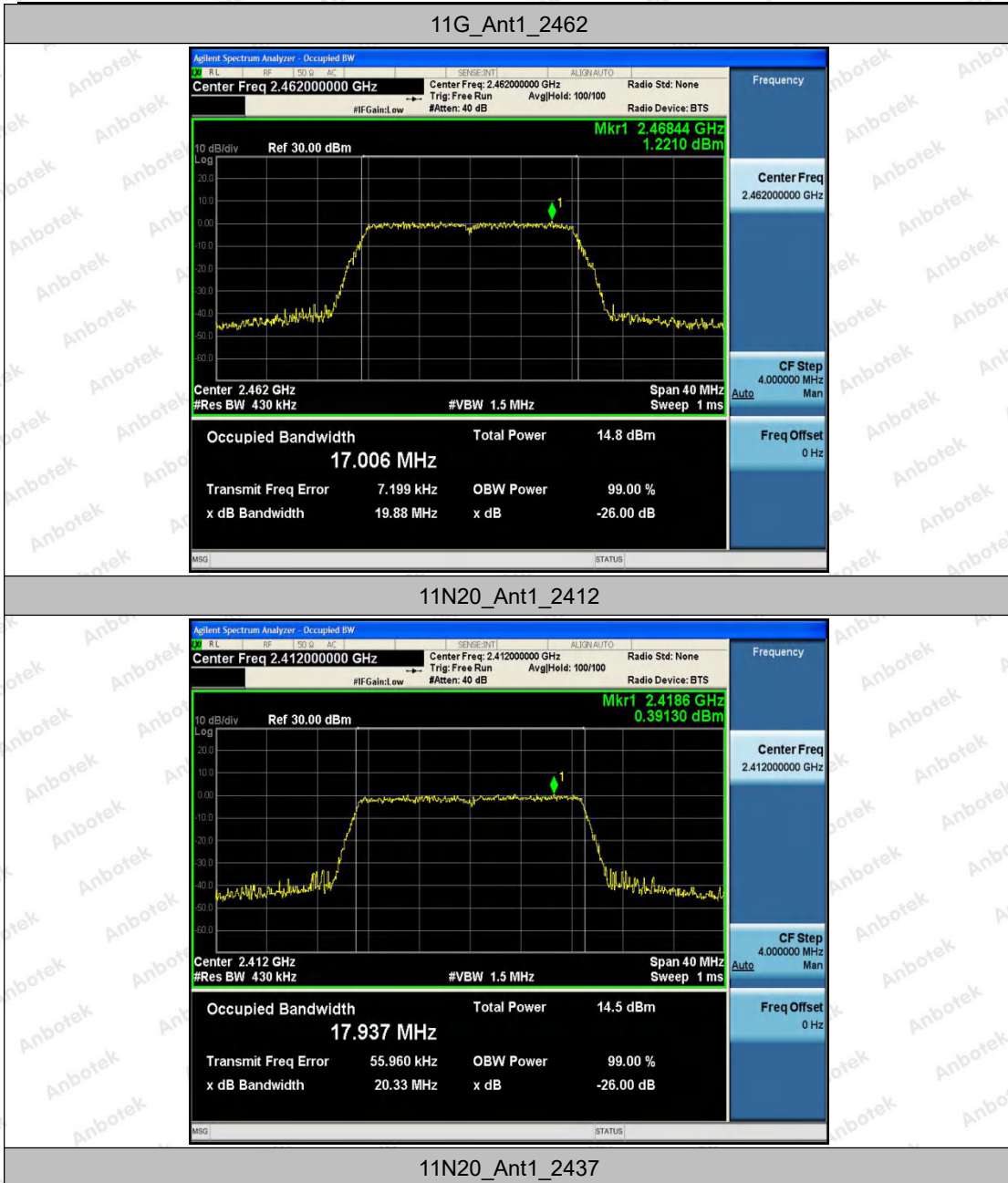
11G_Ant1_2437



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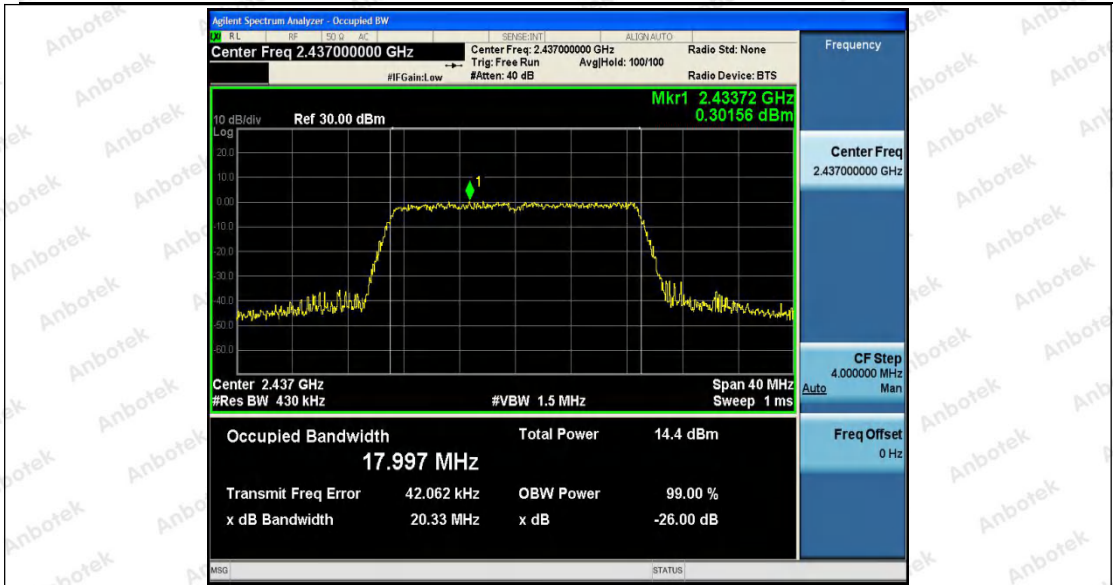


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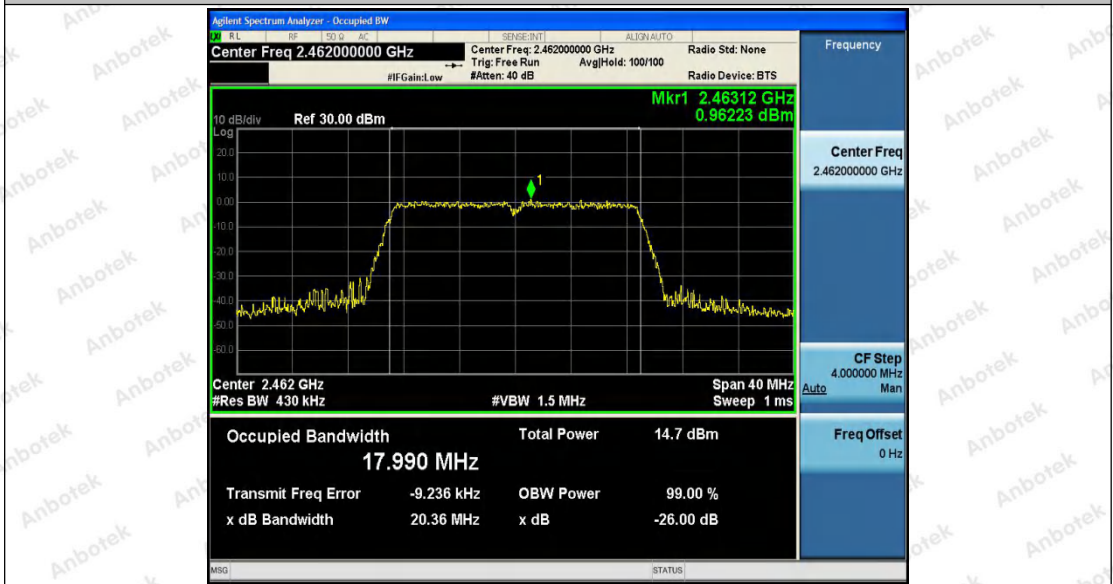
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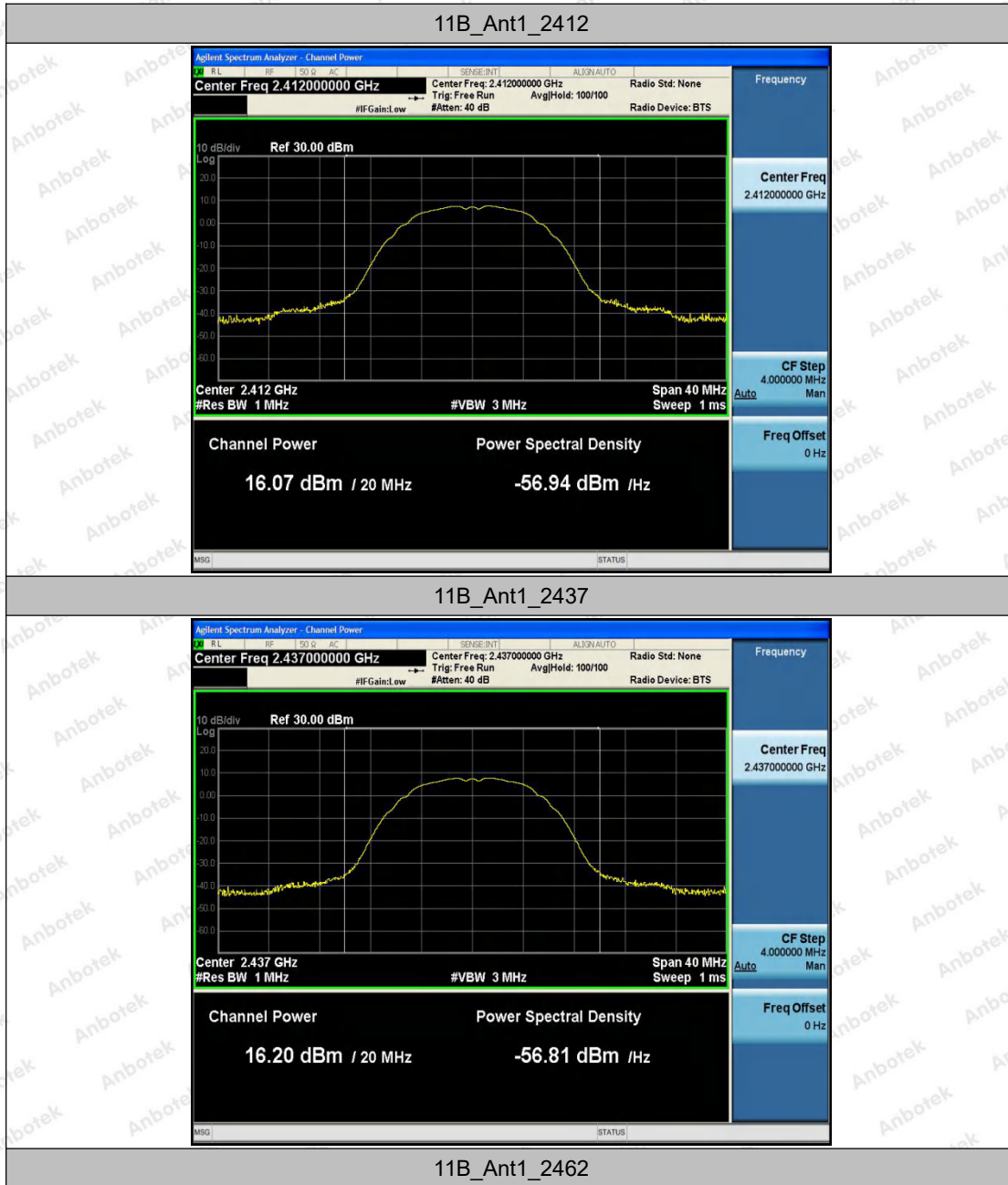
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.07	≤30	PASS
		2437	16.20	≤30	PASS
		2462	16.34	≤30	PASS
11G	Ant1	2412	15.59	≤30	PASS
		2437	15.61	≤30	PASS
		2462	15.77	≤30	PASS
11N20	Ant1	2412	15.68	≤30	PASS
		2437	15.61	≤30	PASS
		2462	15.82	≤30	PASS

Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



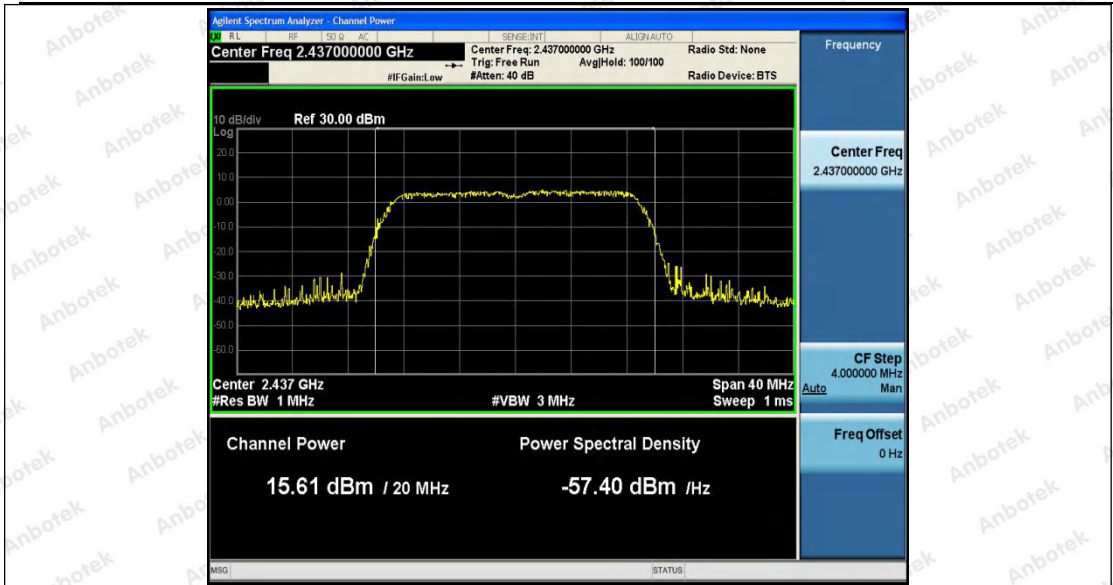
11N20_Ant1_2437

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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.46	≤8	PASS
		2437	-8.71	≤8	PASS
		2462	-8.13	≤8	PASS
11G	Ant1	2412	-15.21	≤8	PASS
		2437	-16.64	≤8	PASS
		2462	-16.6	≤8	PASS
11N20	Ant1	2412	-16.45	≤8	PASS
		2437	-16.51	≤8	PASS
		2462	-16.56	≤8	PASS

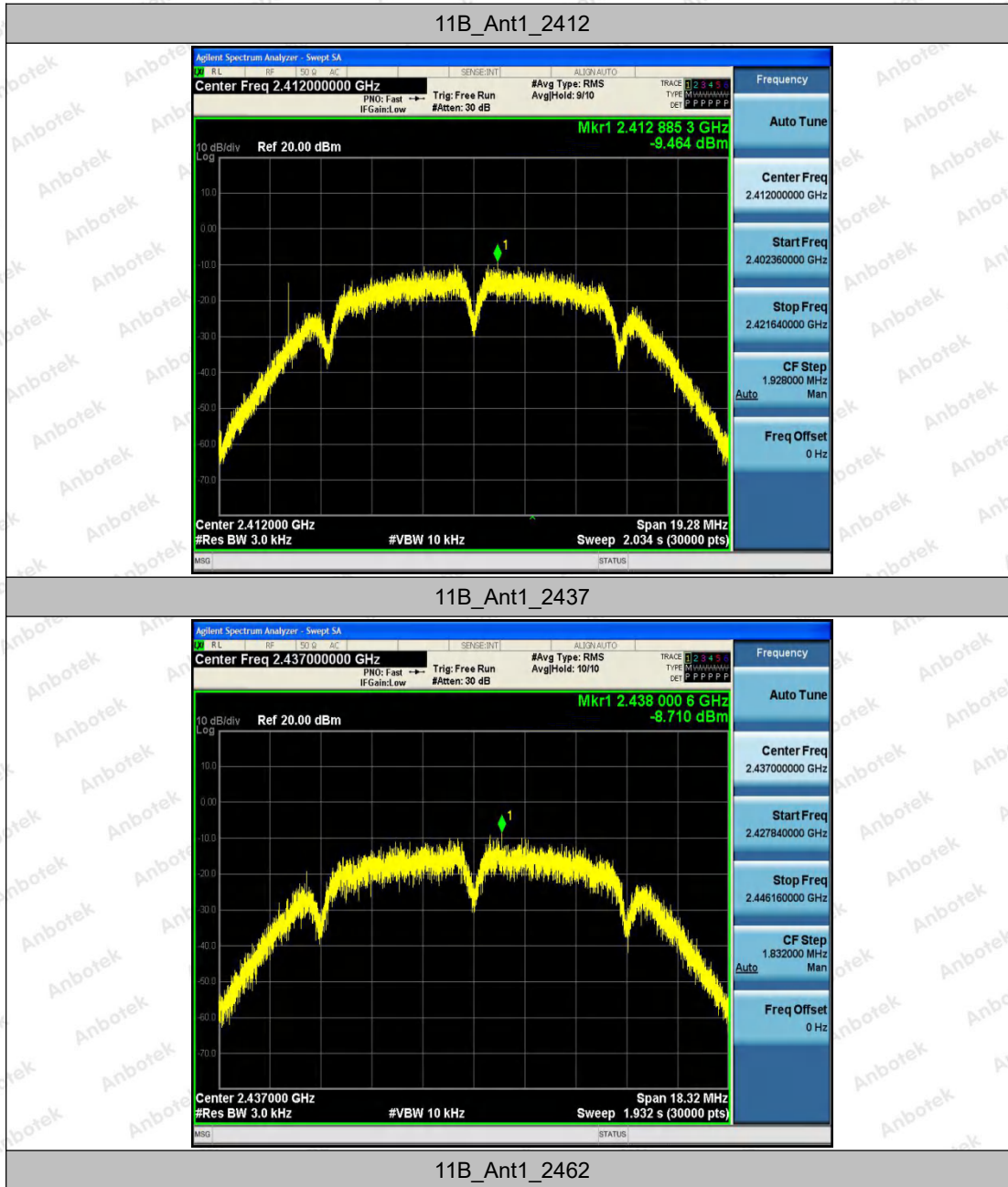
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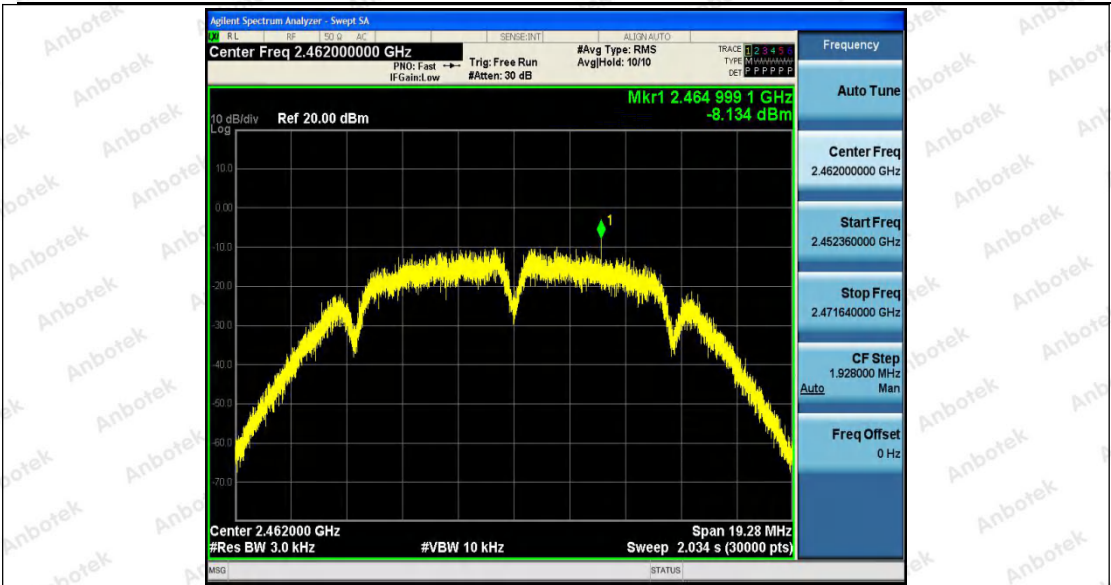
Test Graphs



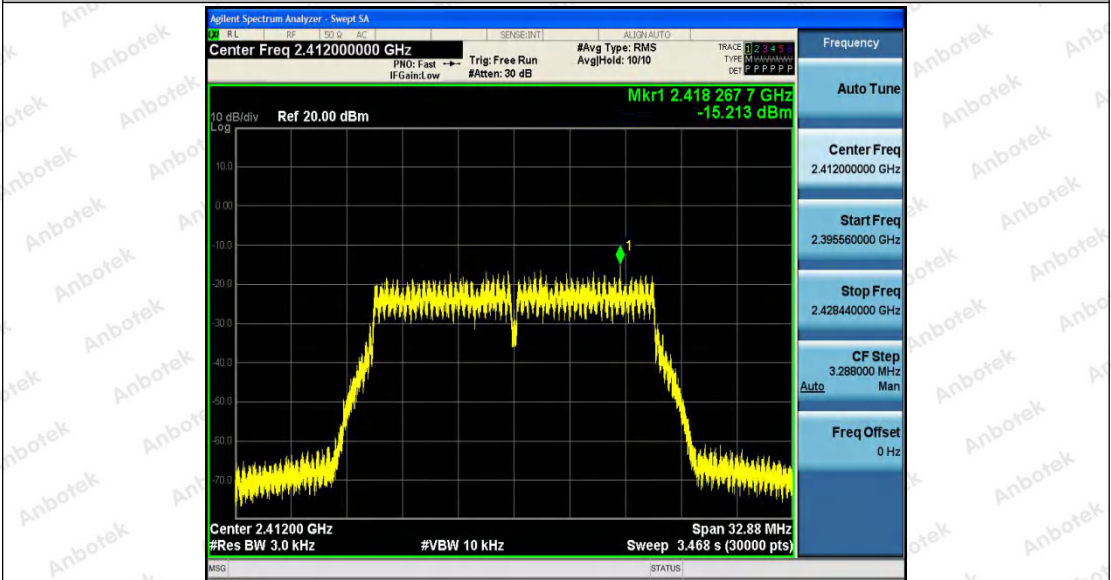
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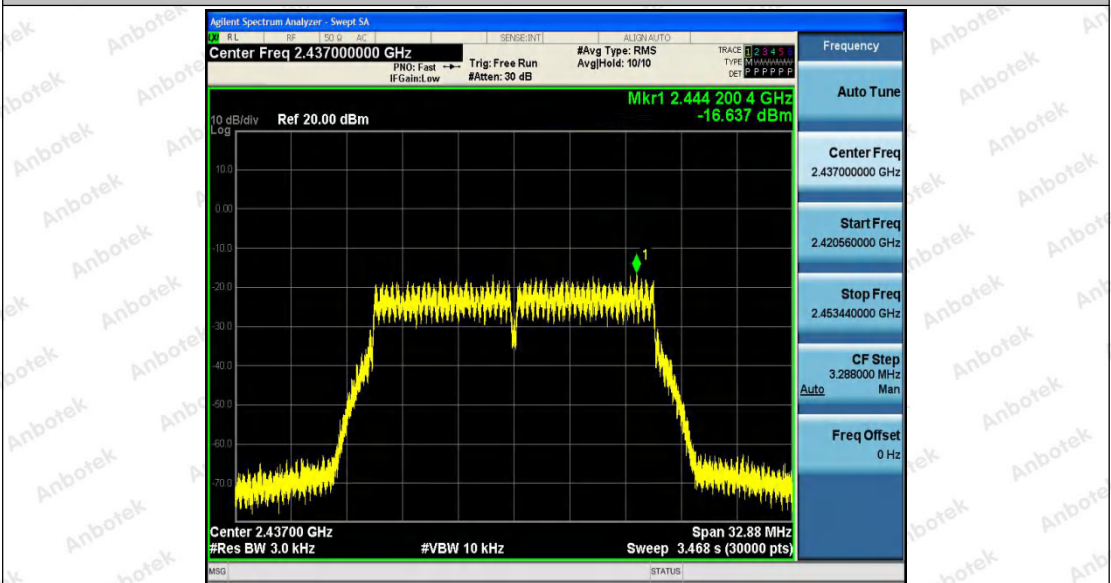
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11G_Ant1_2412



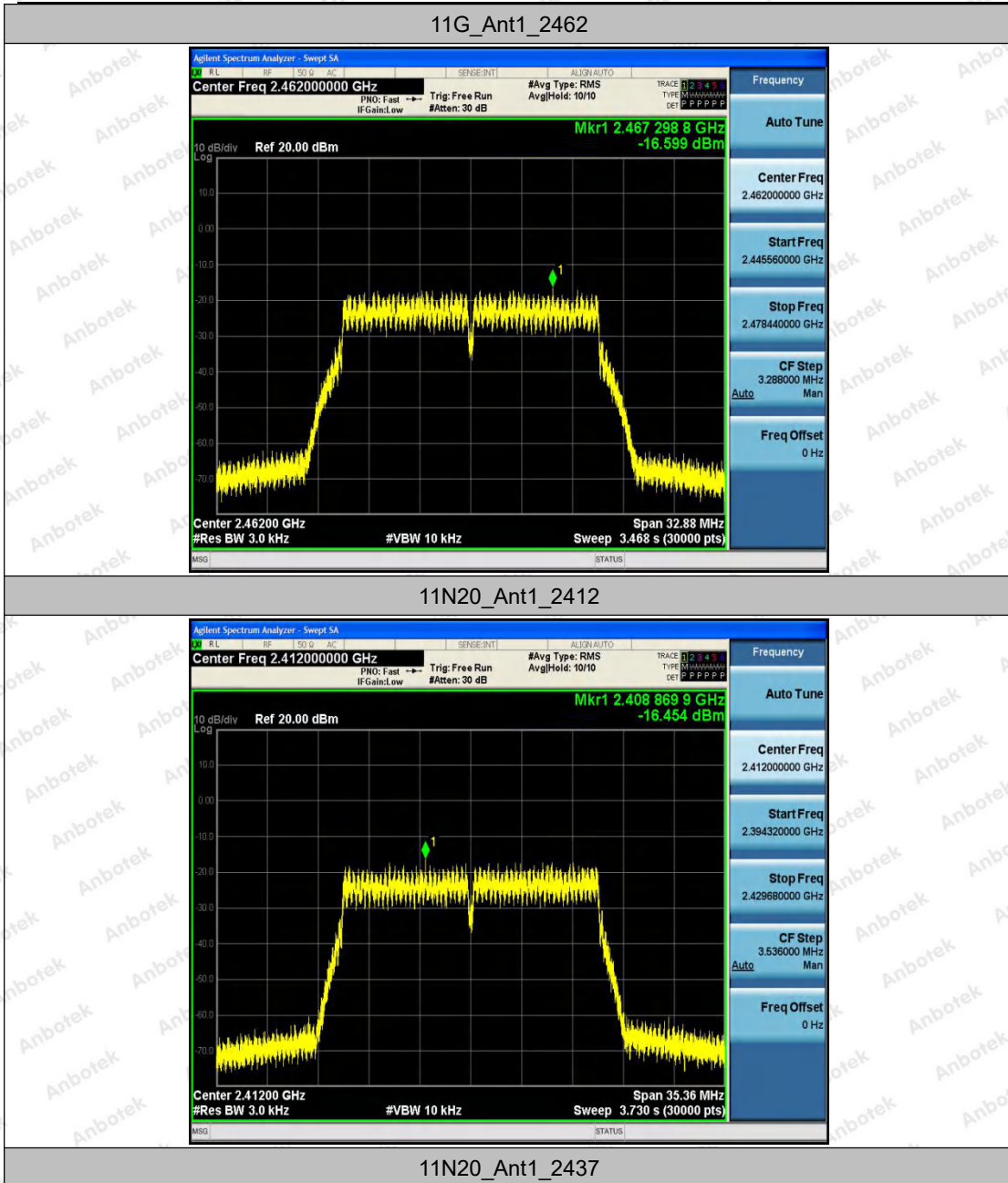
11G_Ant1_2437



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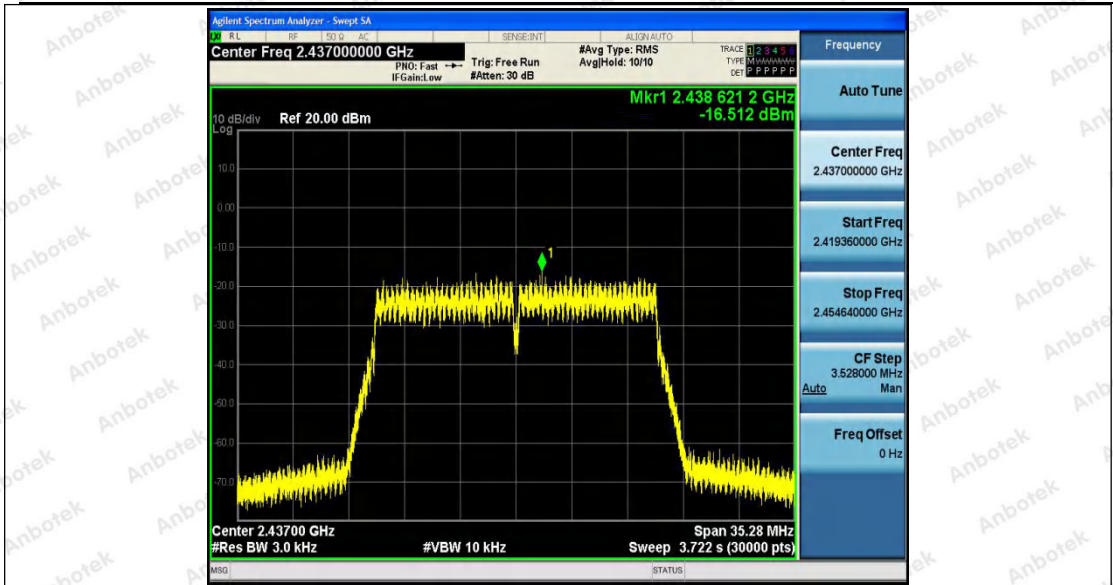
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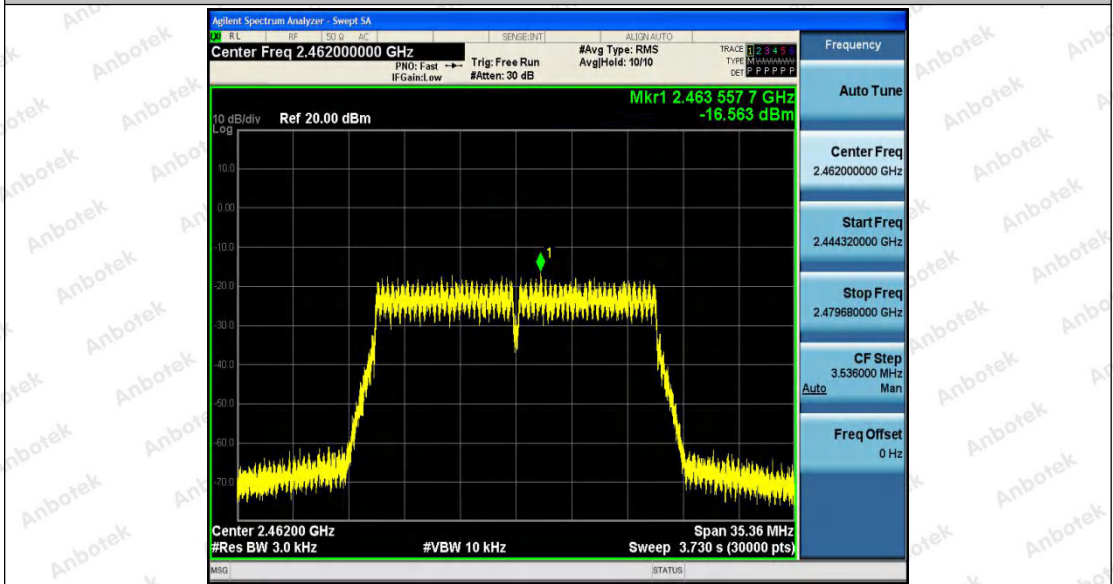
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11N20_Ant1_2462



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Appendix E: Band edge measurements

Test Result

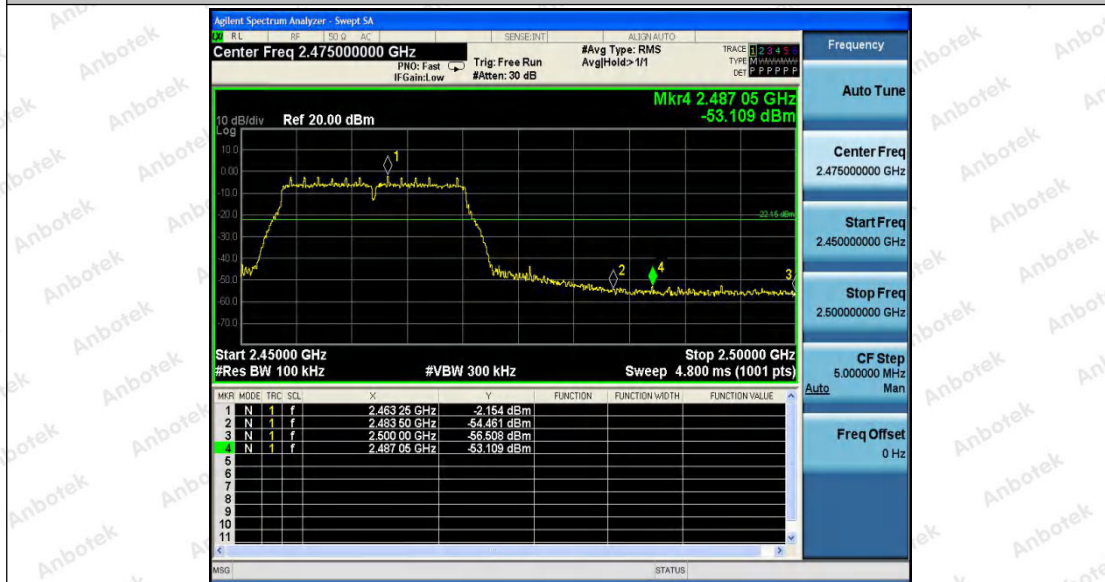
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.91	-45.06	≤-15.09	PASS
		High	2462	4.78	-54.22	≤-15.22	PASS
11G	Ant1	Low	2412	-2.57	-46.47	≤-22.57	PASS
		High	2462	-2.15	-53.11	≤-22.15	PASS
11N20	Ant1	Low	2412	-3.04	-44.2	≤-23.04	PASS
		High	2462	-2.88	-53.06	≤-22.88	PASS

Test Graphs





11G_Ant1_High_2462



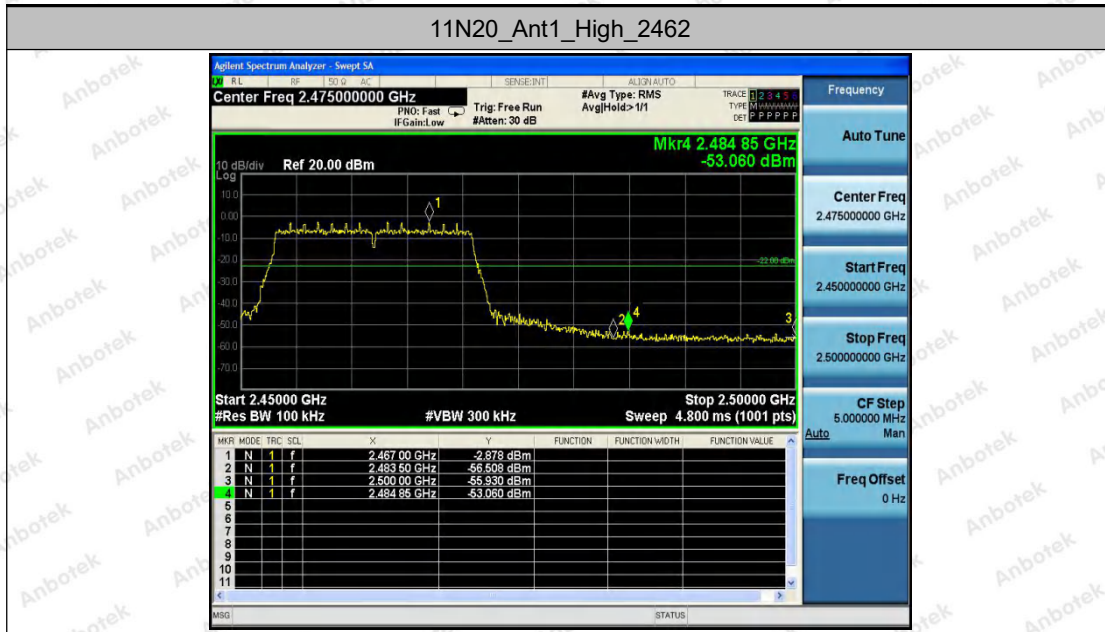
11N20_Ant1_Low_2412



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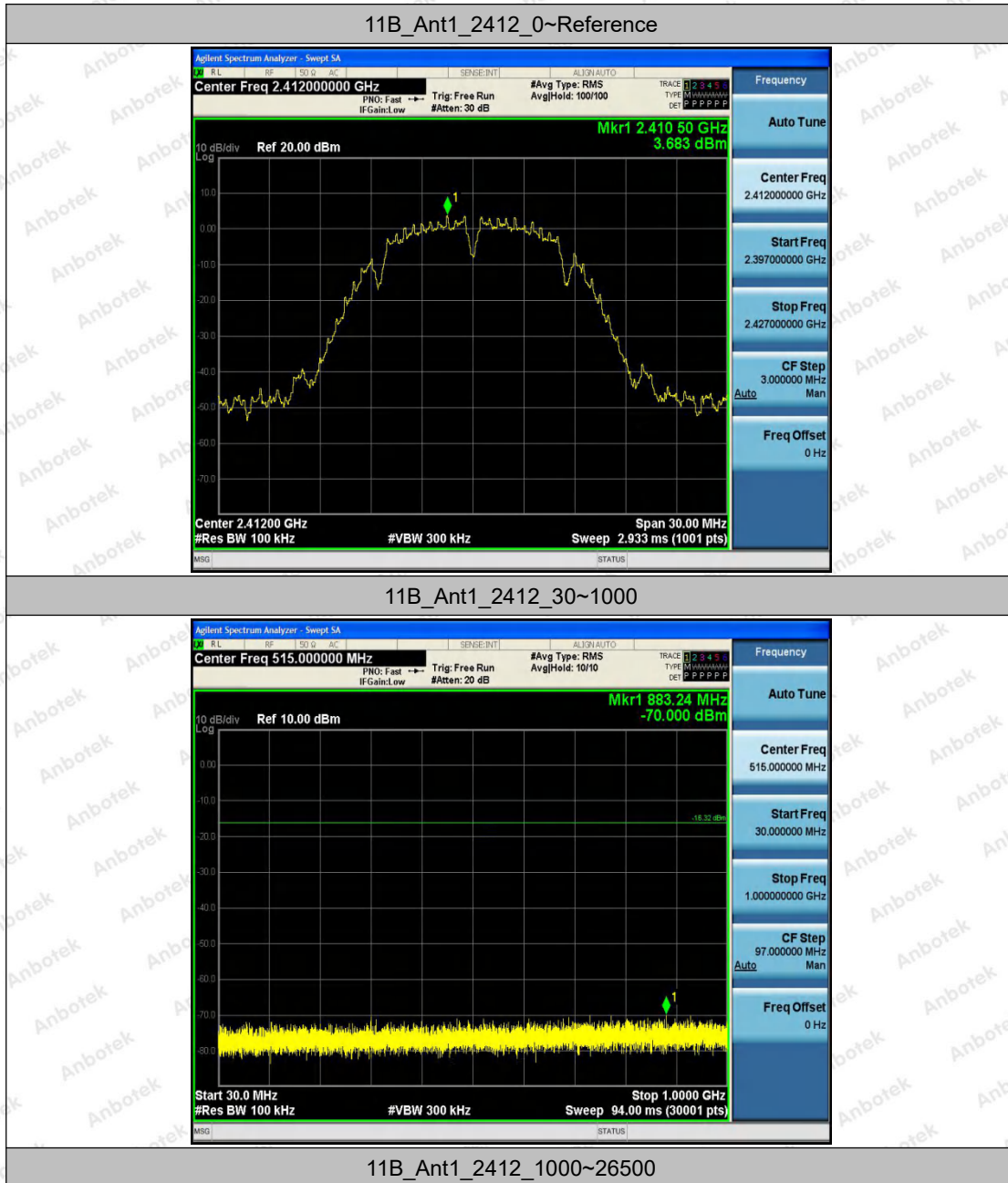
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-70	≤-16.32	PASS
			1000~26500	3.68	-53.7	≤-16.32	PASS
		2437	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-68.47	≤-16	PASS
			1000~26500	4.00	-54.41	≤-16	PASS
		2462	Reference	4.90	4.90	---	PASS
			30~1000	4.90	-70.25	≤-15.1	PASS
			1000~26500	4.90	-54.23	≤-15.1	PASS
11G	Ant1	2412	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-69.56	≤-22.71	PASS
			1000~26500	-2.71	-55.25	≤-22.71	PASS
		2437	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-70.79	≤-22.42	PASS
			1000~26500	-2.42	-55.44	≤-22.42	PASS
		2462	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-69.1	≤-22.48	PASS
			1000~26500	-2.48	-55.5	≤-22.48	PASS
11N20	Ant1	2412	Reference	-2.80	-2.80	---	PASS
			30~1000	-2.80	-70.71	≤-22.8	PASS
			1000~26500	-2.80	-55.03	≤-22.8	PASS
		2437	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-69.96	≤-22.54	PASS
			1000~26500	-2.54	-54.59	≤-22.54	PASS
		2462	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-70.06	≤-22.77	PASS
			1000~26500	-2.77	-54.81	≤-22.77	PASS

Test Graphs



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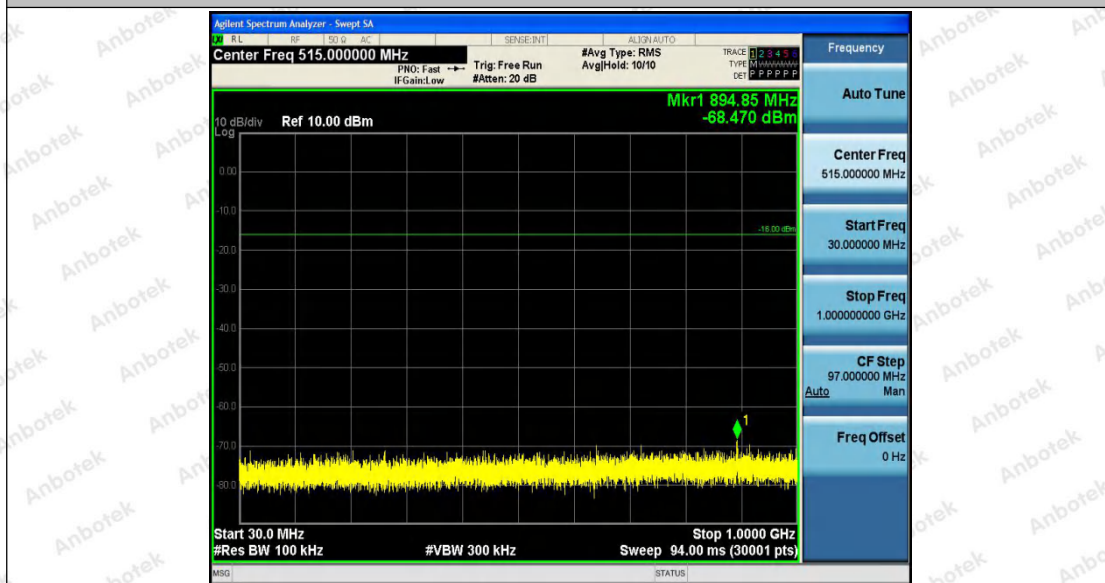
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

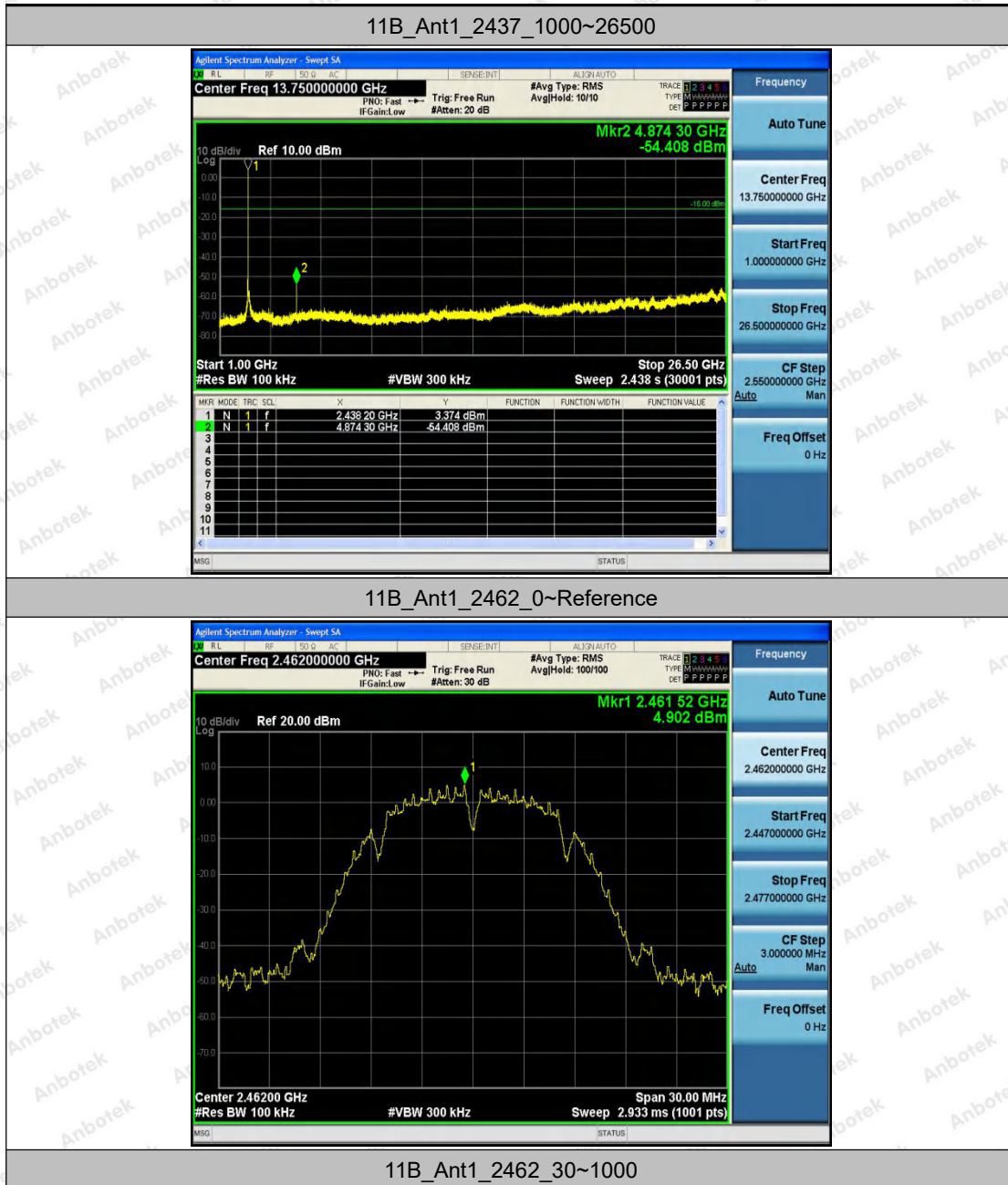


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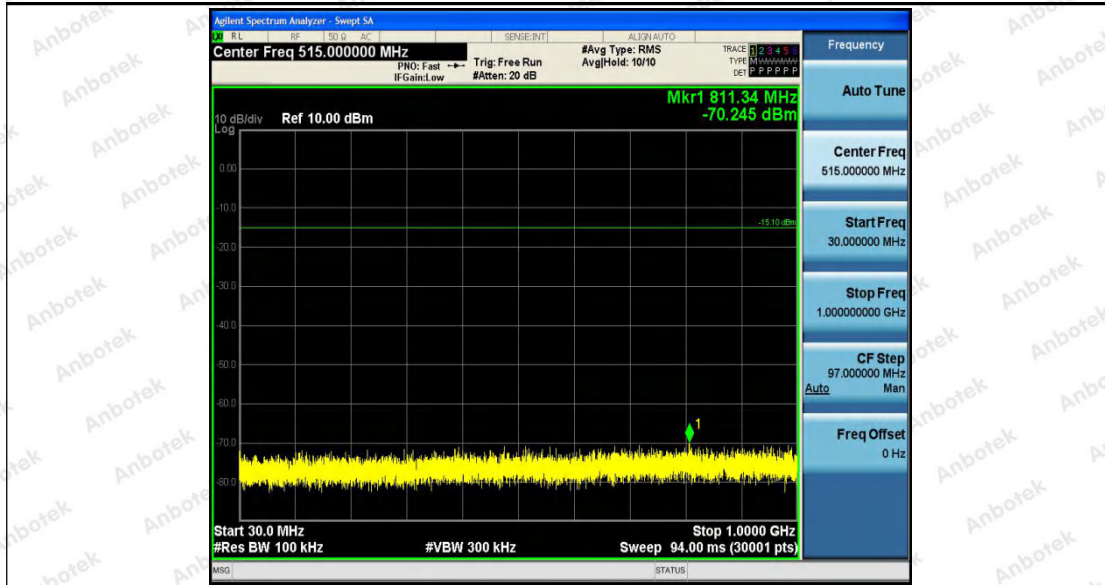


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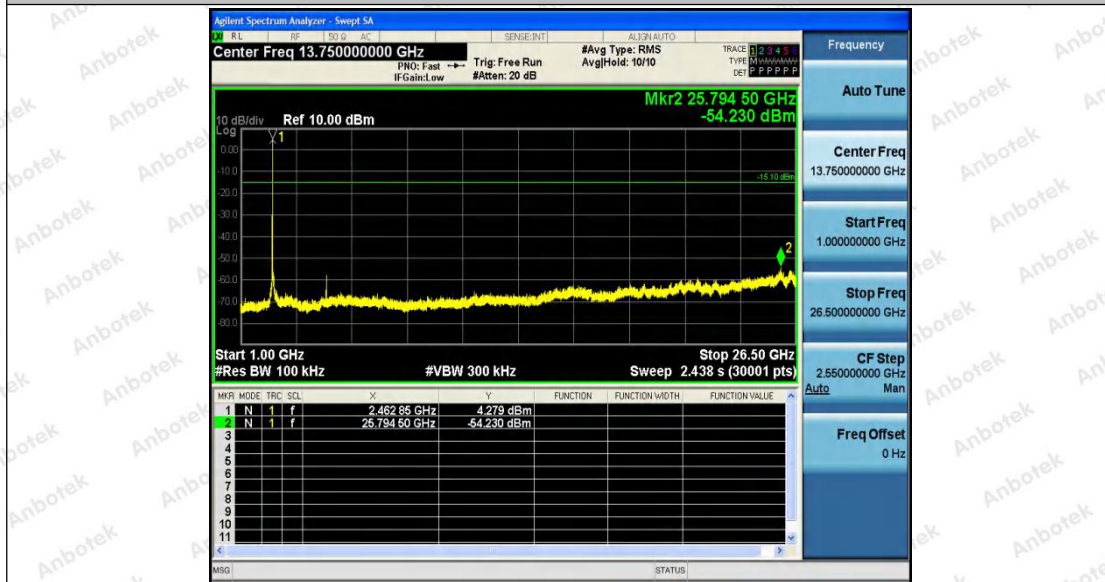
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

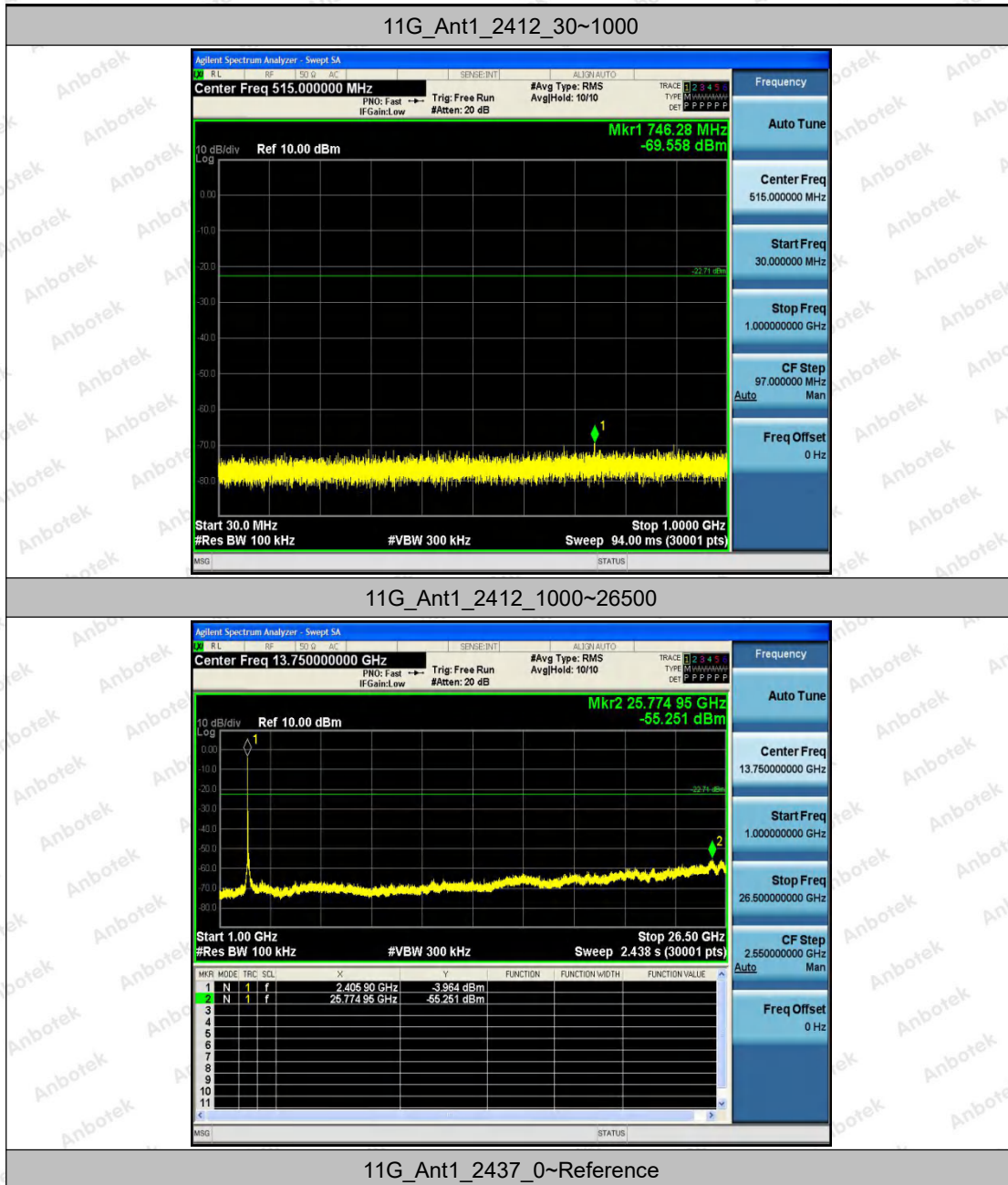


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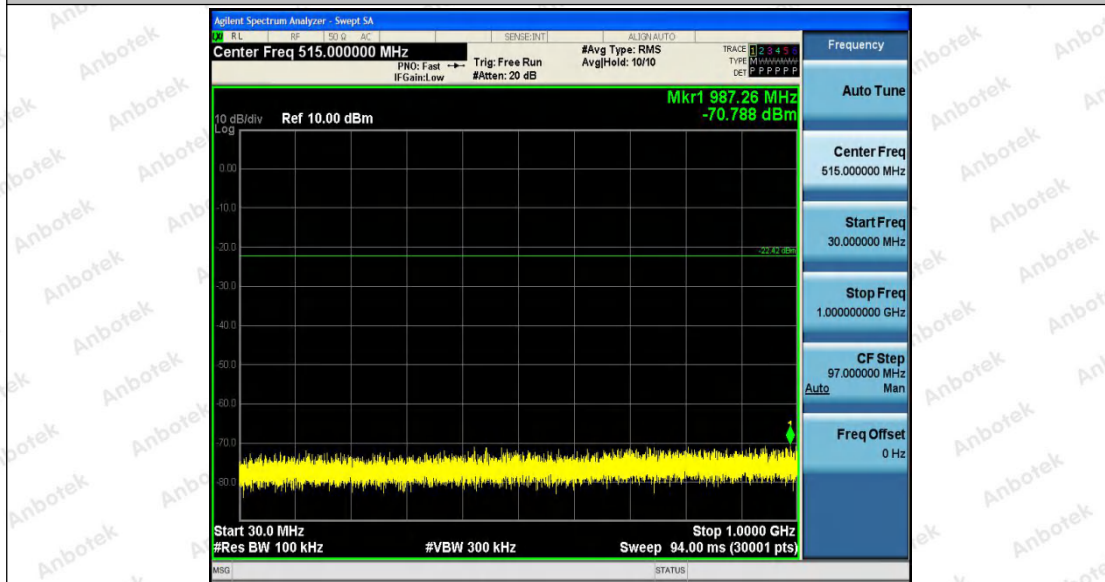
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

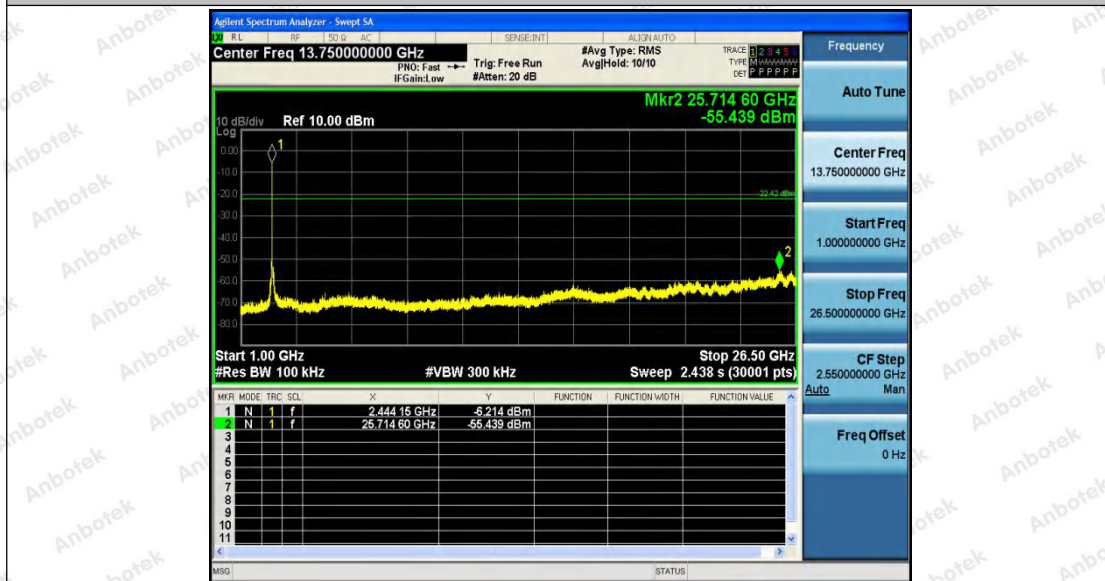
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

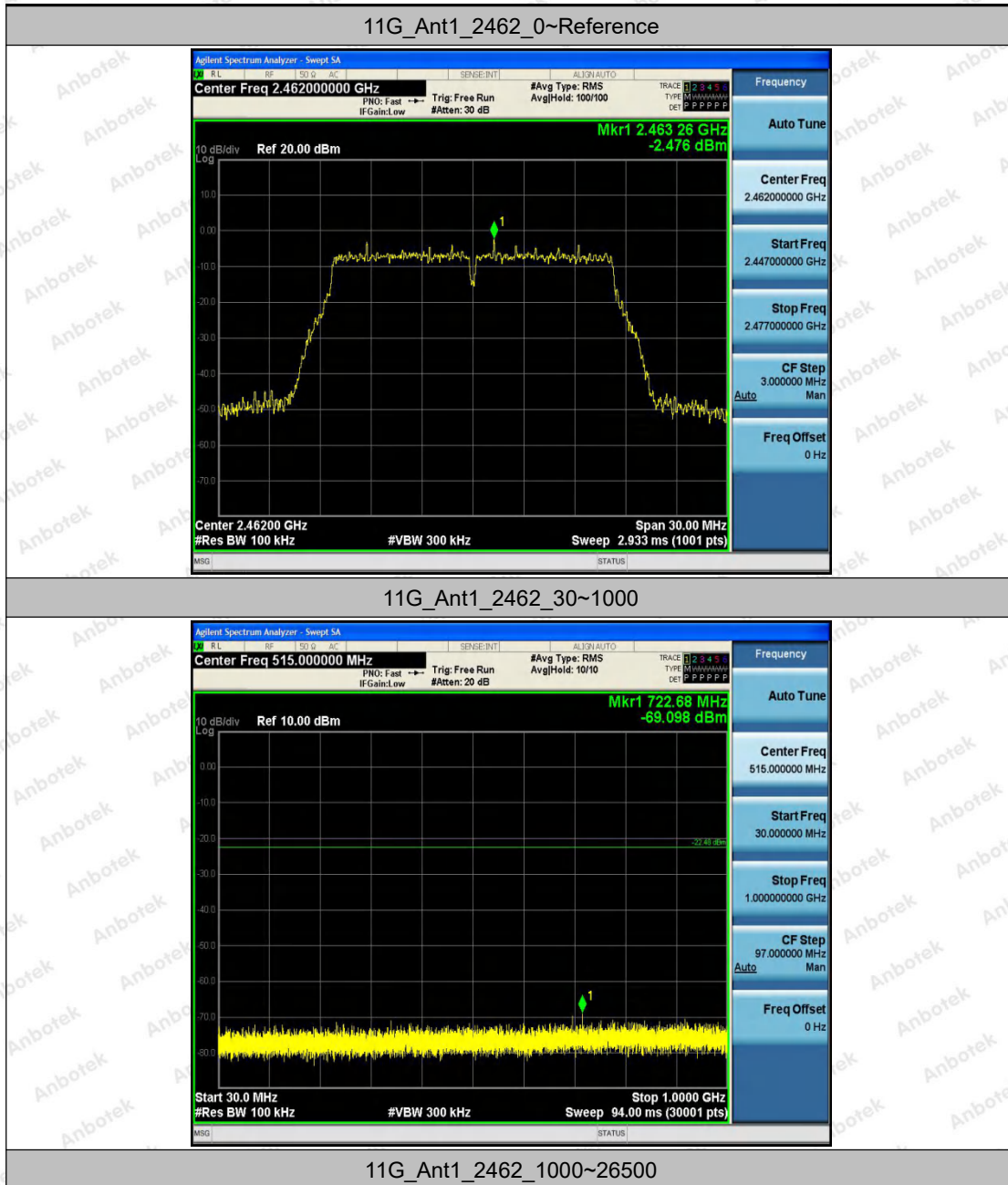


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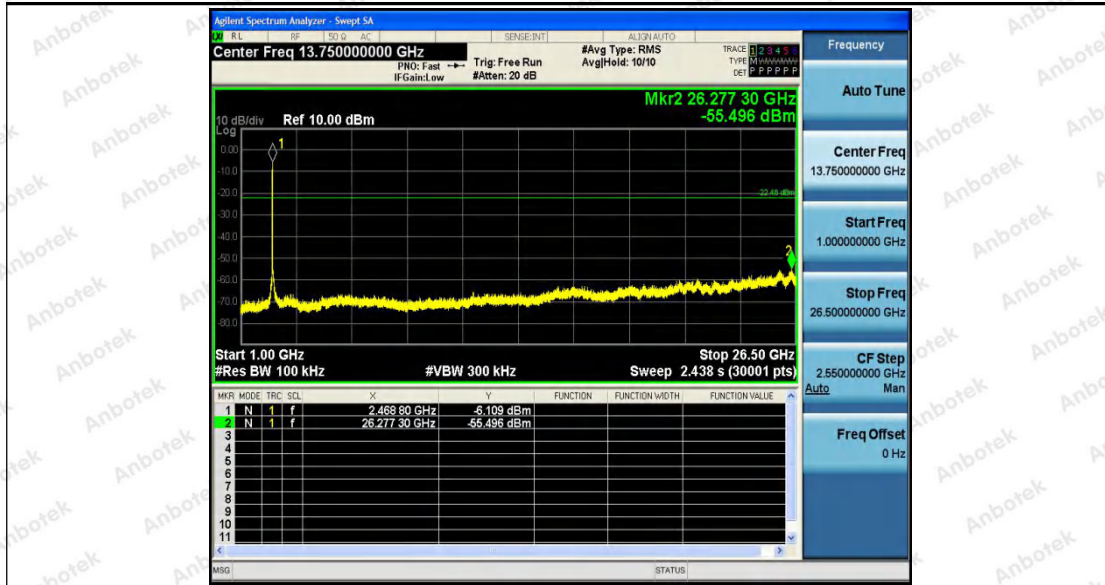
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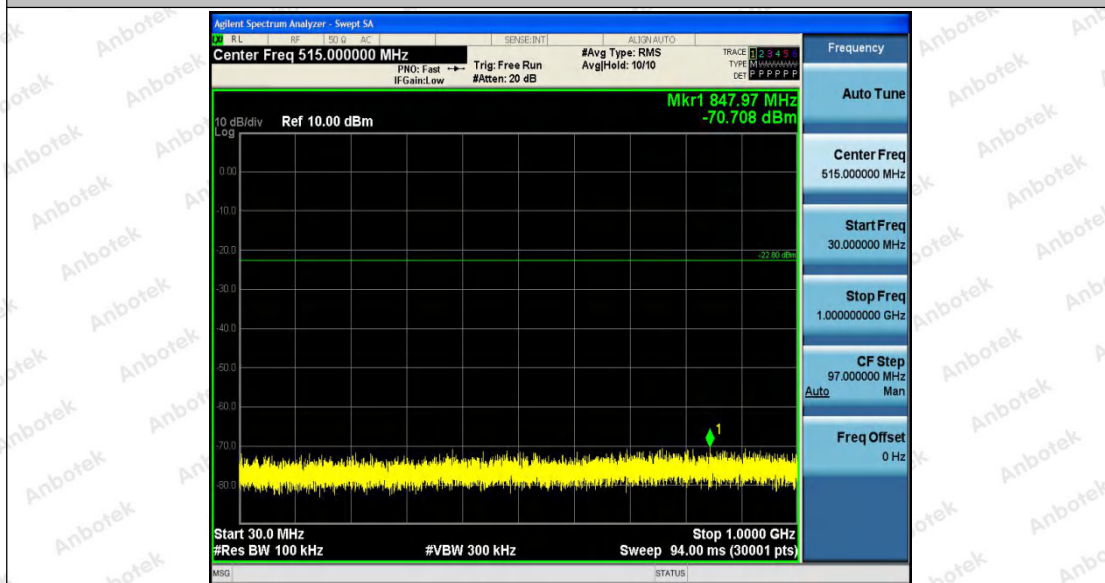
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

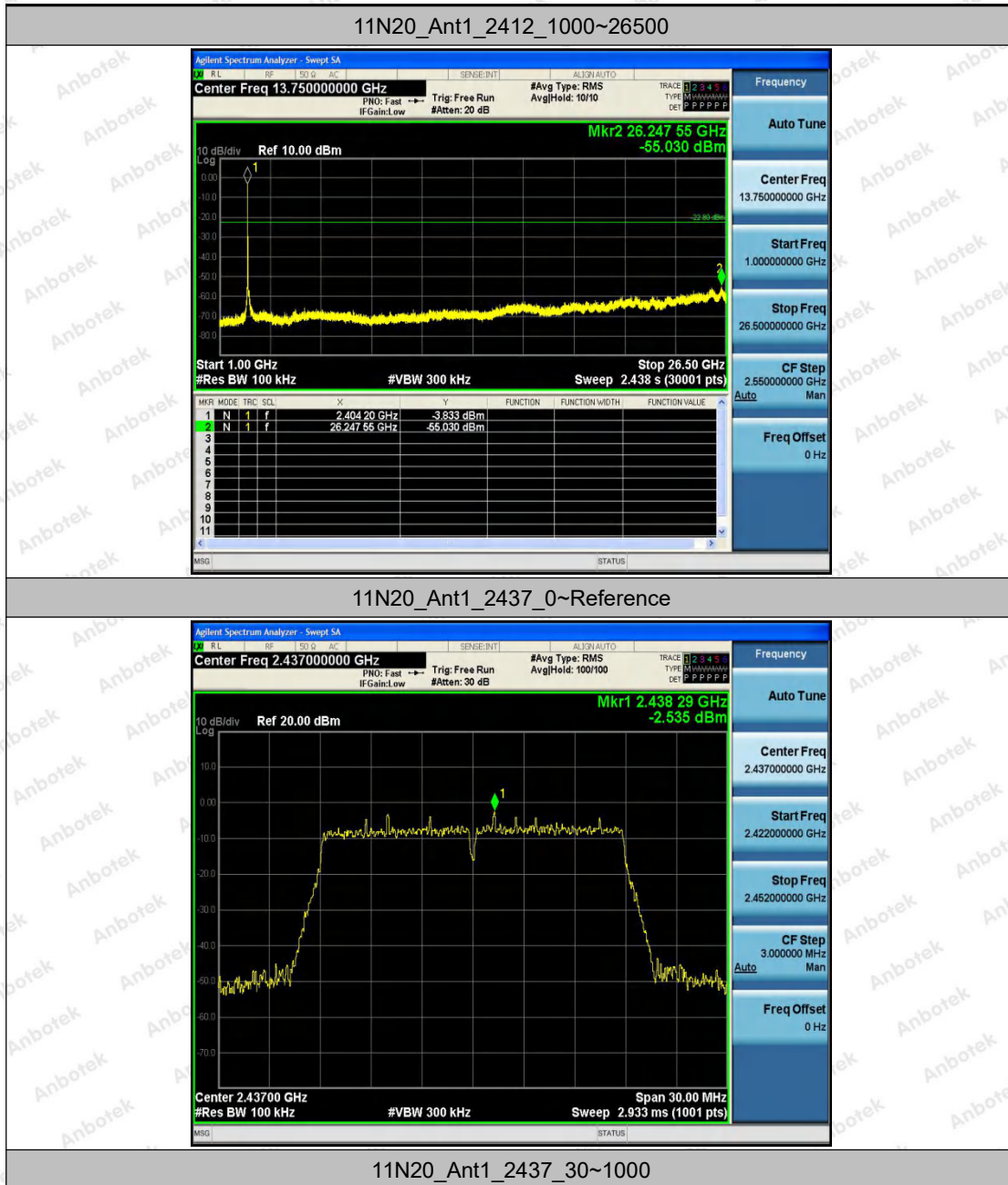


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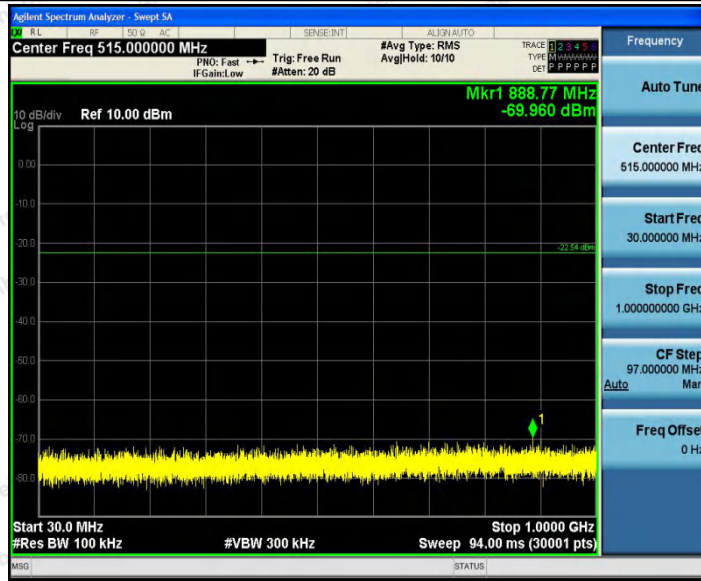
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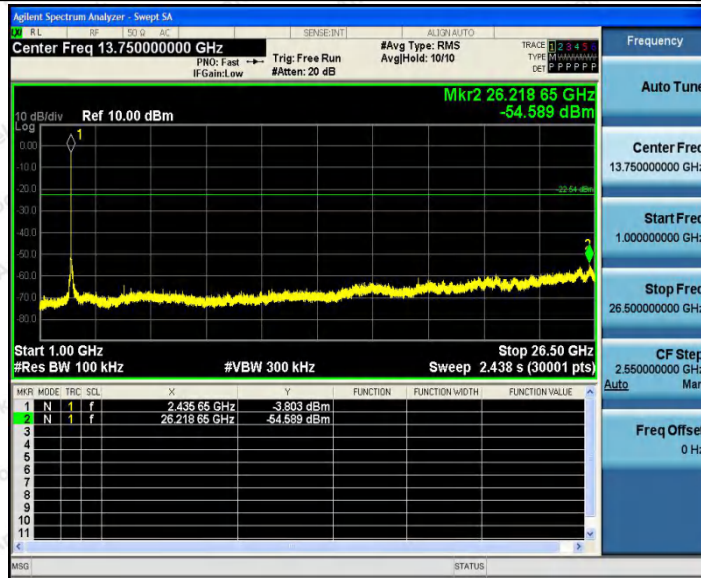
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20_Ant1_2437_1000~26500



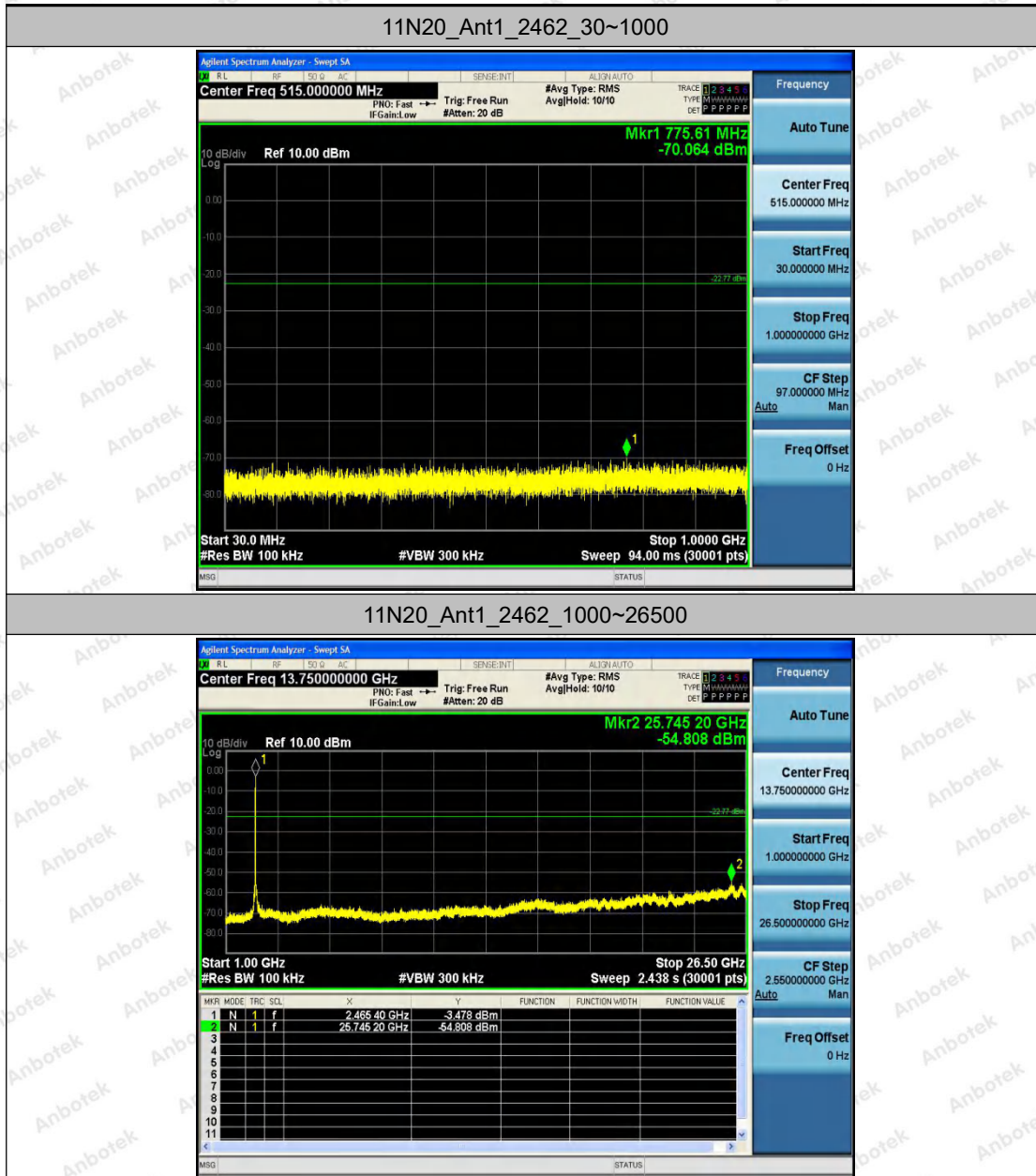
11N20_Ant1_2462_0~Reference



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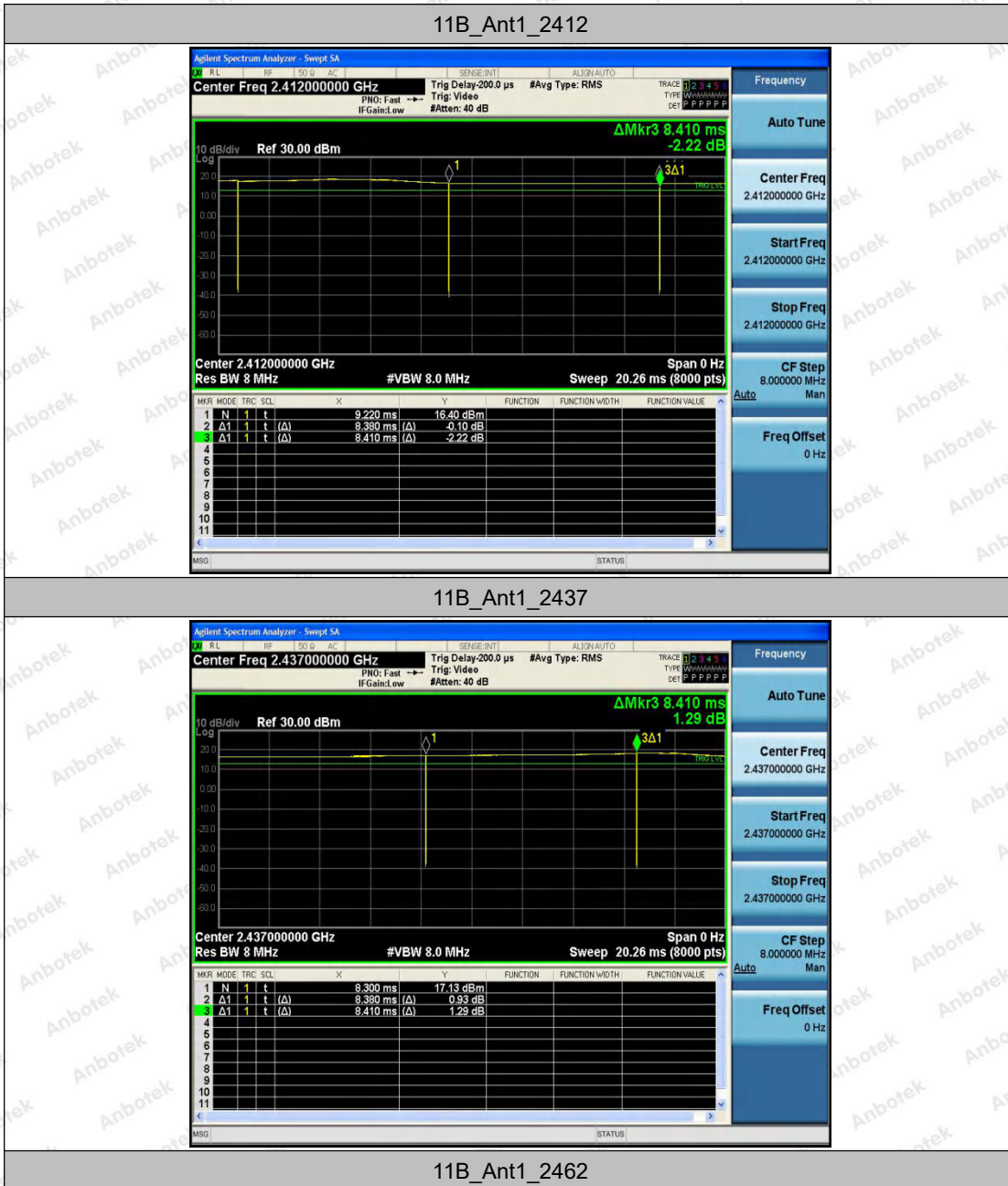
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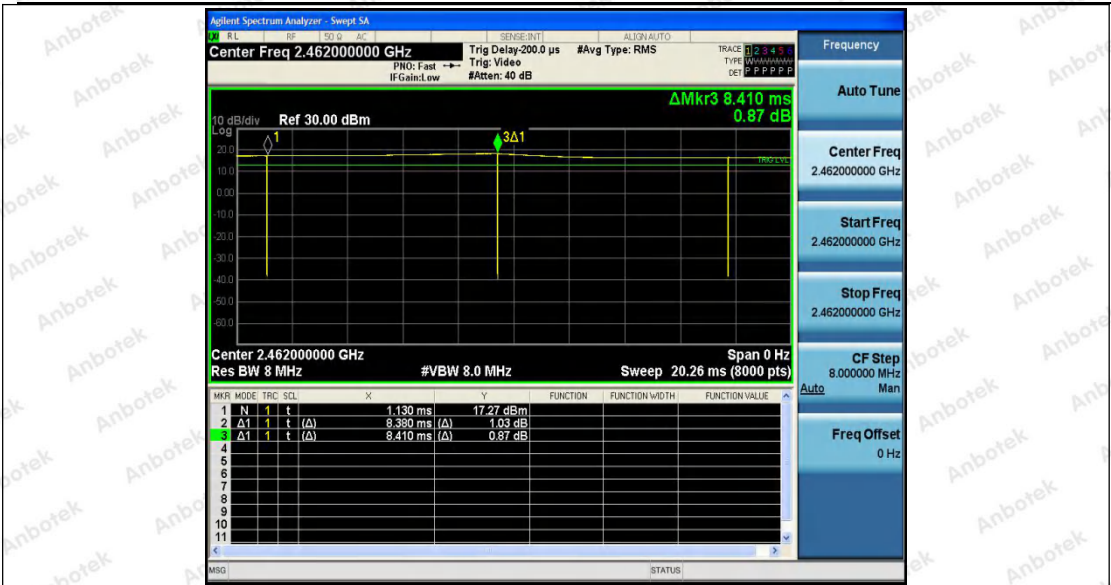
Appendix G: Duty Cycle

Test Result

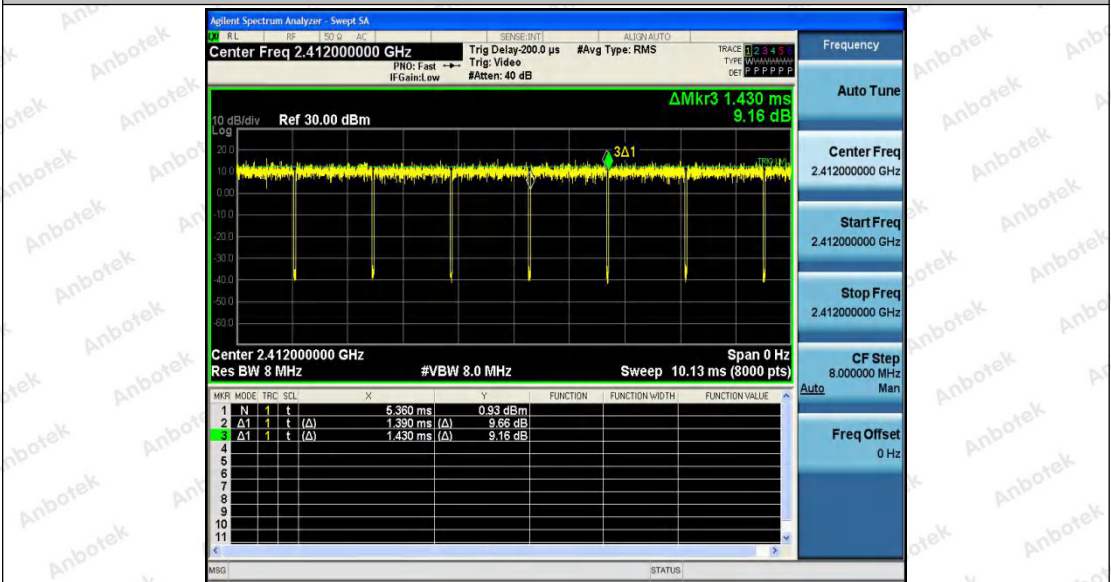
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.43	97.20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

Test Graphs

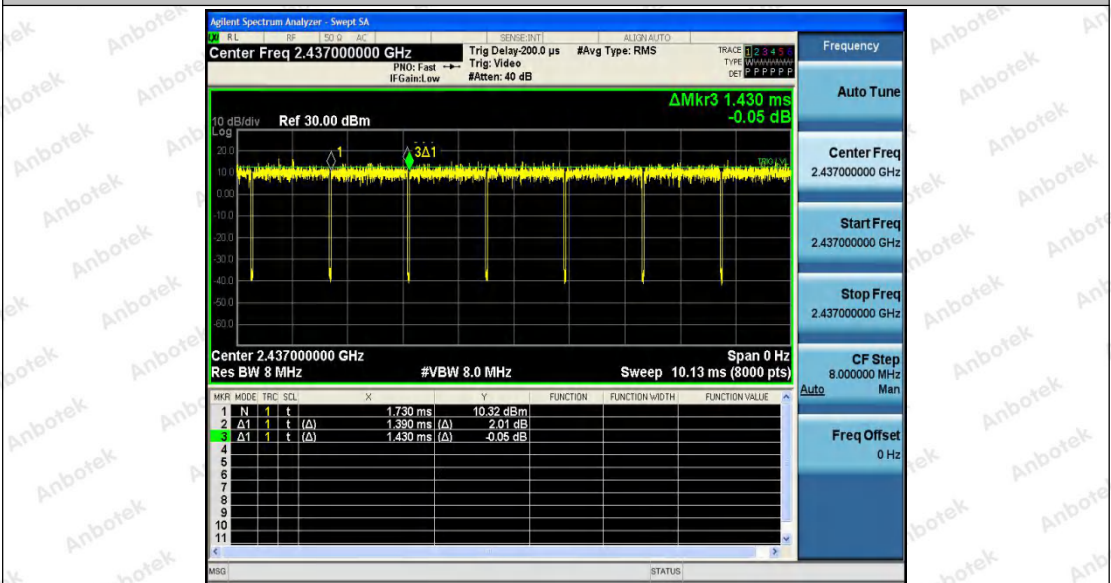




11G_Ant1_2412



11G_Ant1_2437

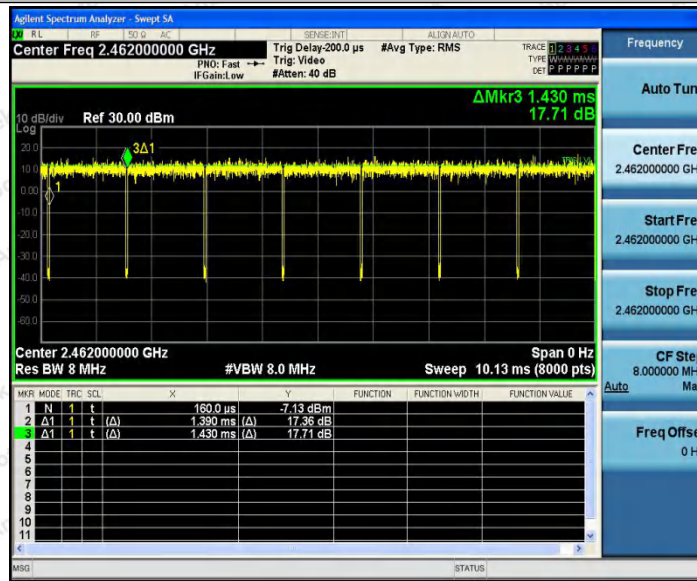


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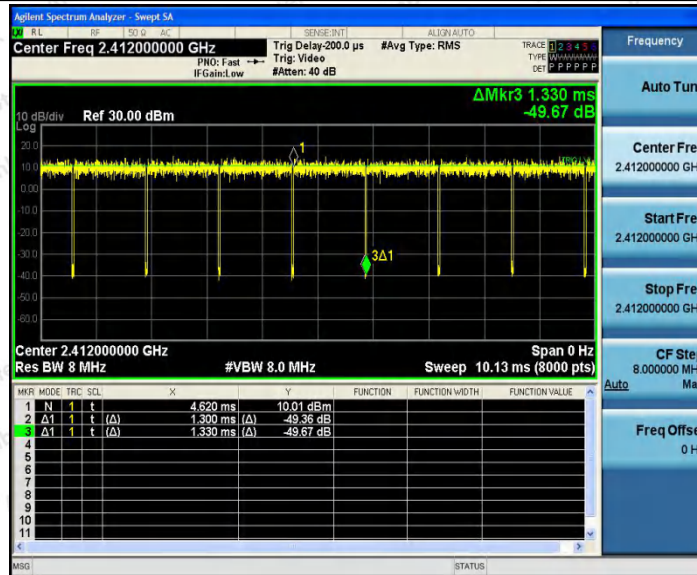
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11G_Ant1_2462



11N20_Ant1_2412

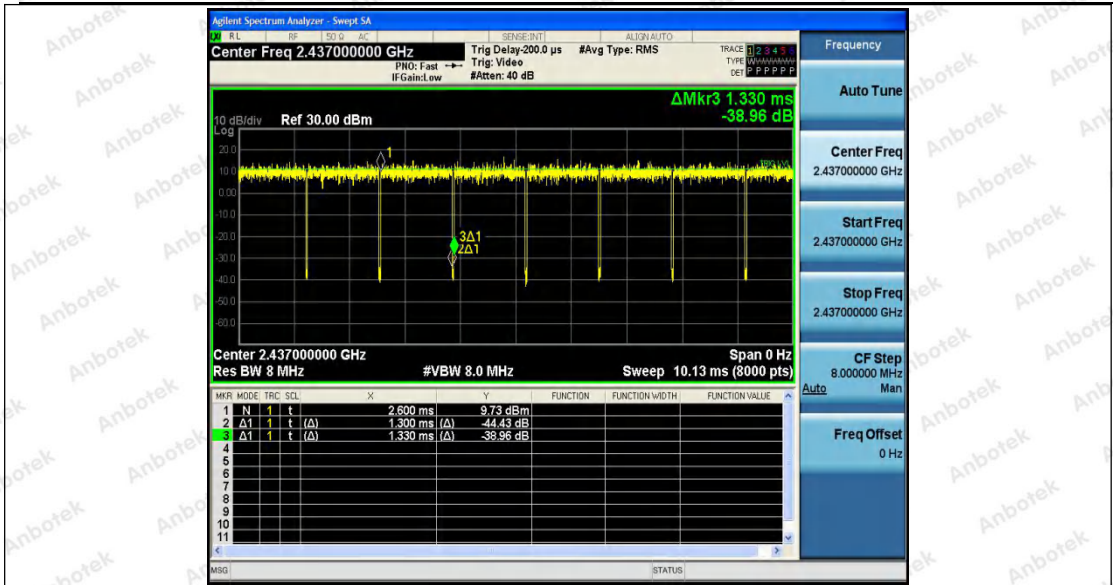


11N20_Ant1_2437

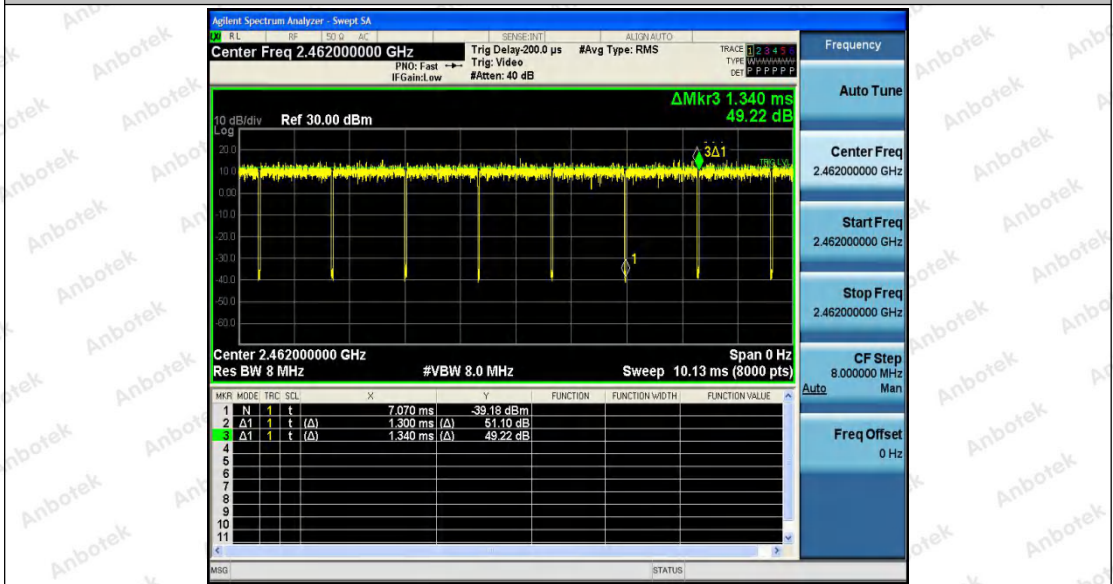
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11N20_Ant1_2462



---End---