

Appendix Test Data

Report No.:	18220WC20152201	Test Sample No.:	1-2-2
Start Test Date:	2022.7.11	Finish Test Date:	2022.7.26
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

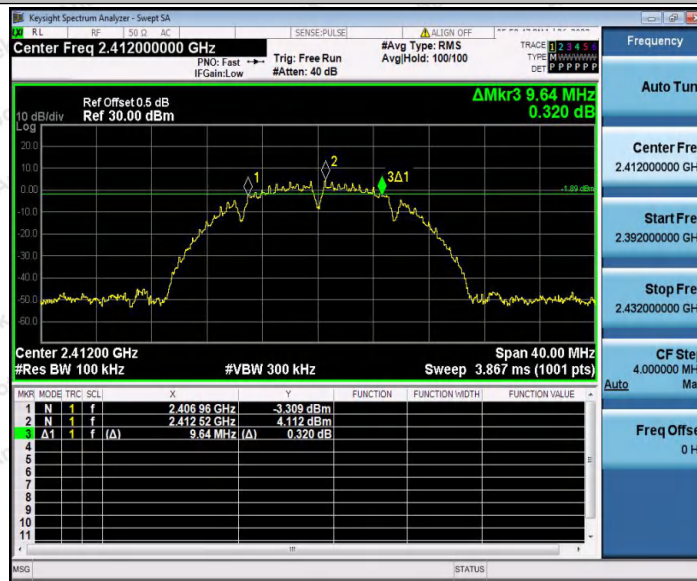
Appendix A: DTS Bandwidth

Test Result

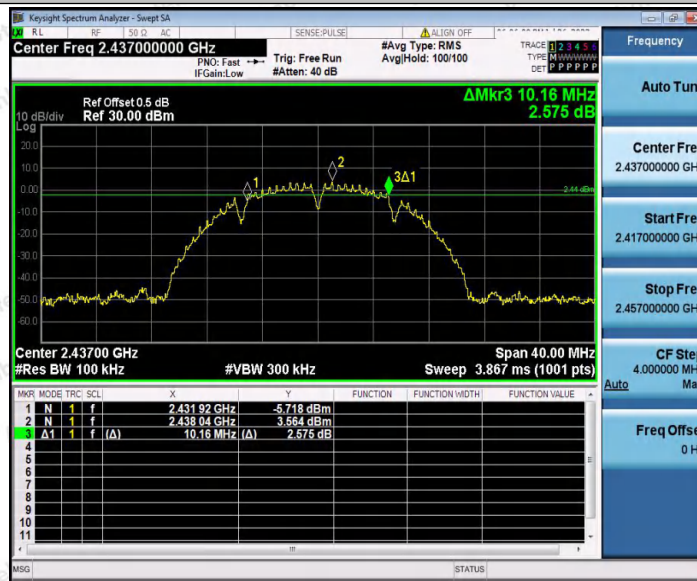
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.640	2406.960	2416.600	≥0.5	PASS
		2437	10.160	2431.920	2442.080	≥0.5	PASS
		2462	10.120	2456.960	2467.080	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.440	2428.800	2445.240	≥0.5	PASS
		2462	16.480	2453.760	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

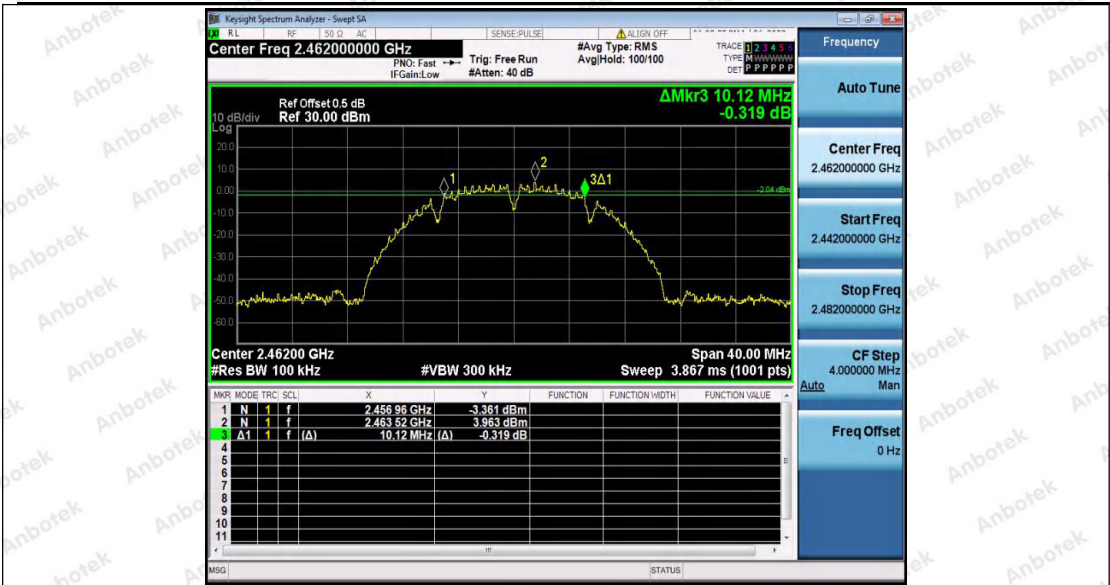
11B_Ant1_2412



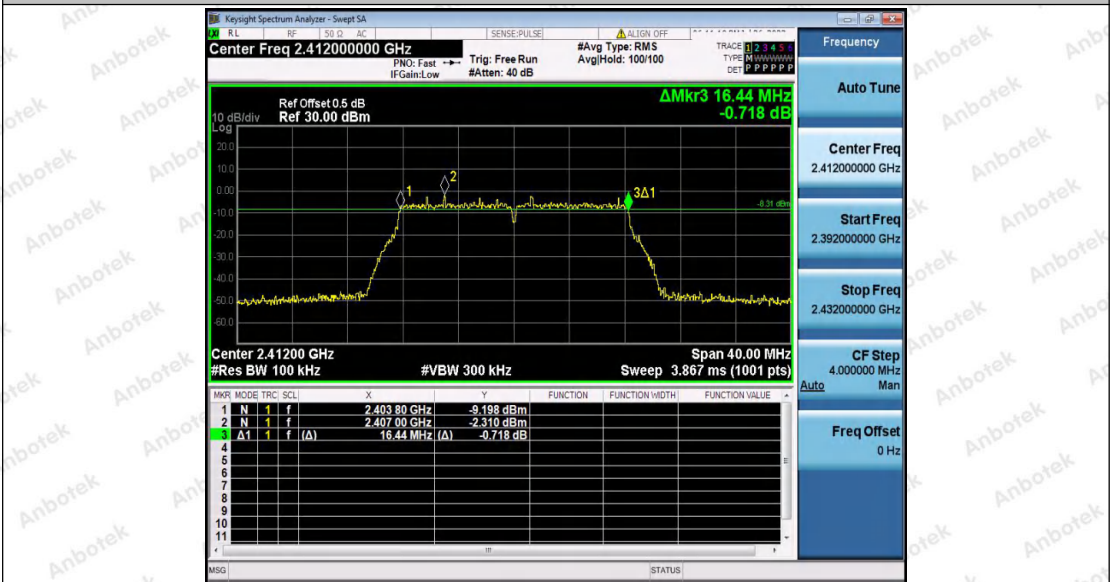
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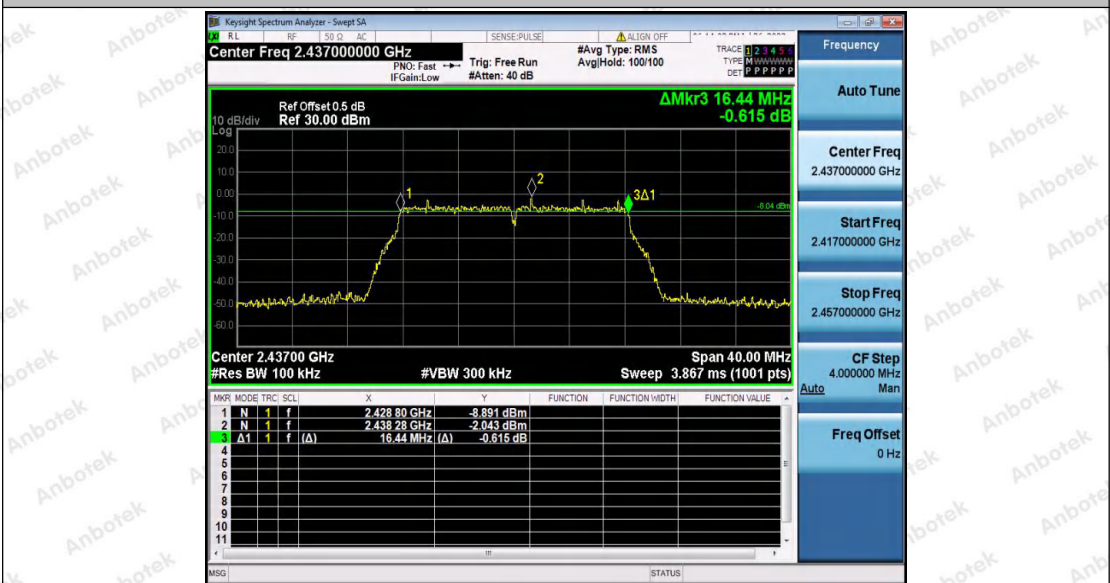
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



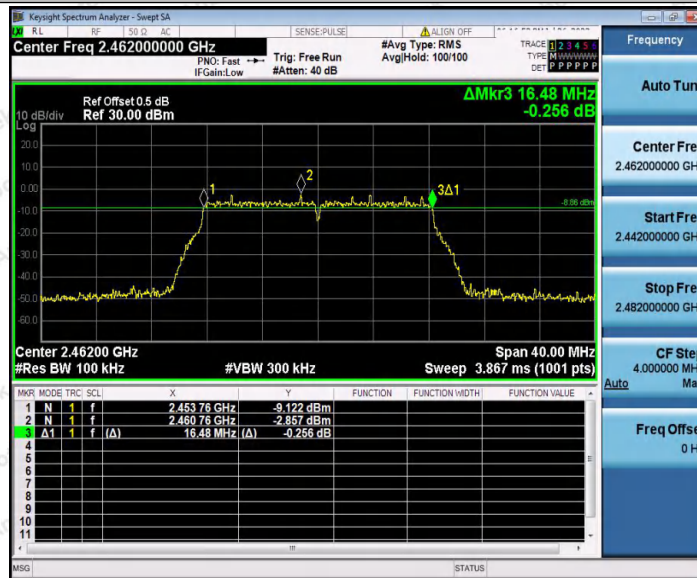
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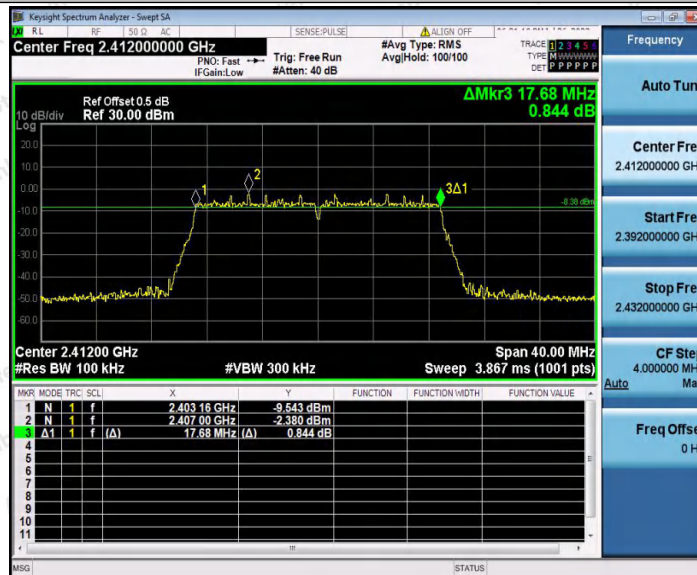
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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11G_Ant1_2462



11N20_Ant1_2412



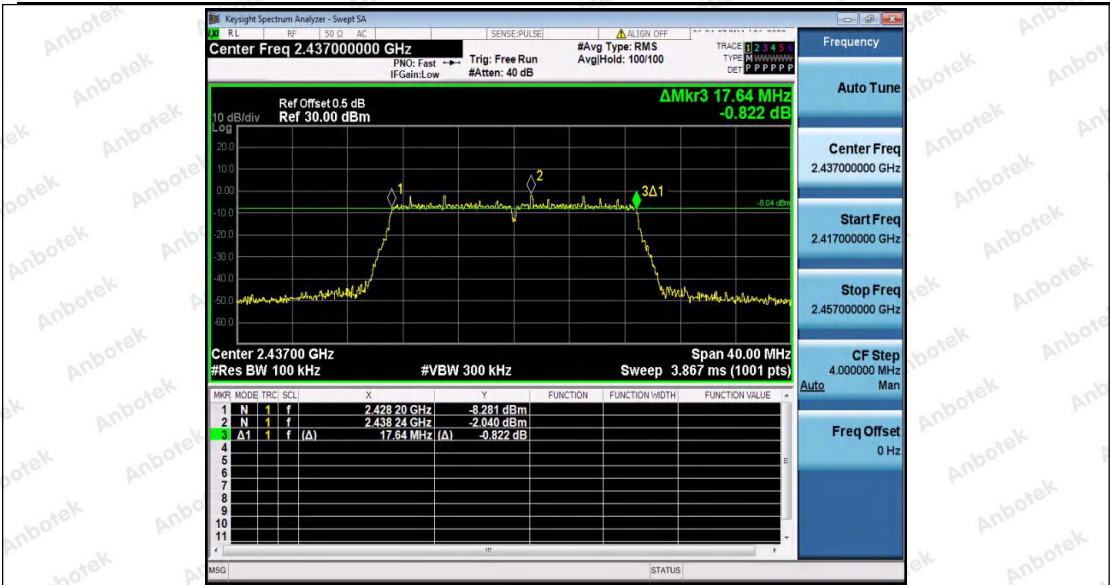
11N20_Ant1_2437

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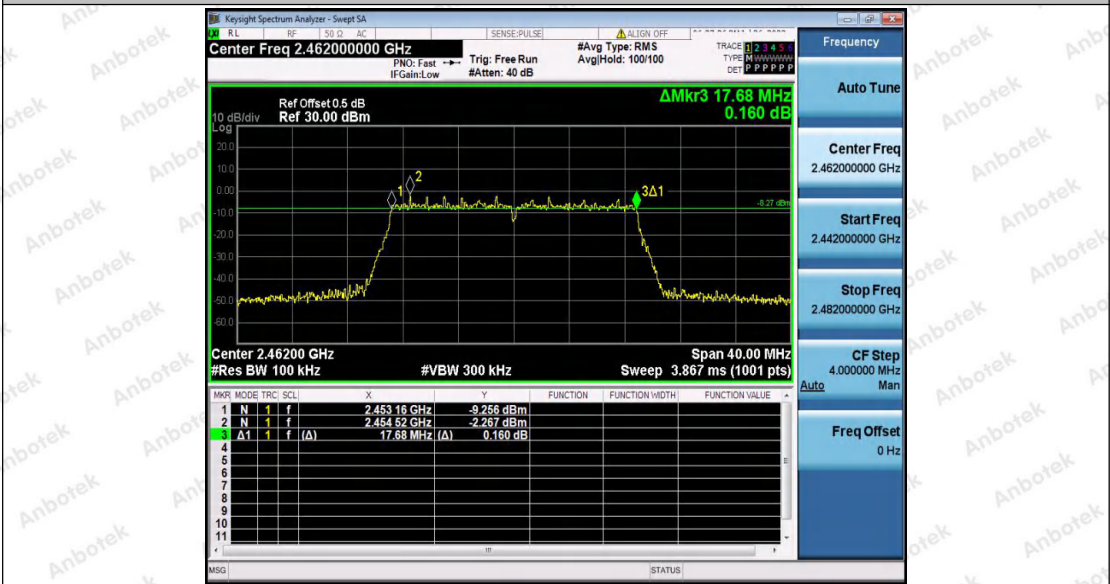
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Appendix B: Occupied Channel Bandwidth

Test Result

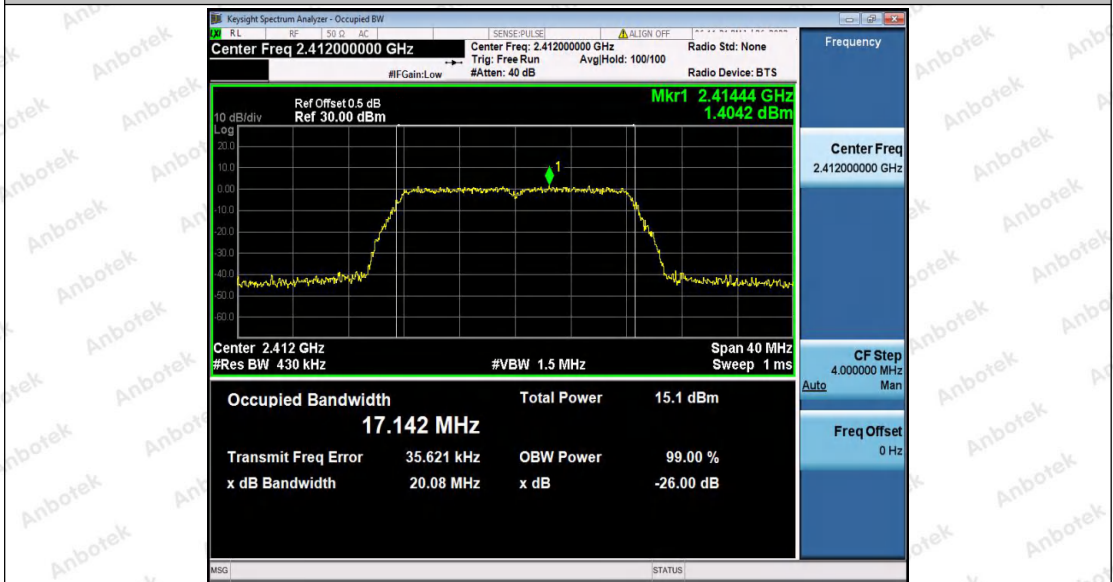
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.275	2404.906	2419.181	---	PASS
		2437	14.281	2429.876	2444.157	---	PASS
		2462	14.291	2454.865	2469.156	---	PASS
11G	Ant1	2412	17.142	2403.465	2420.607	---	PASS
		2437	17.081	2428.487	2445.568	---	PASS
		2462	17.103	2453.452	2470.555	---	PASS
11N20	Ant1	2412	17.972	2403.088	2421.060	---	PASS
		2437	17.963	2428.061	2446.024	---	PASS
		2462	17.969	2453.037	2471.006	---	PASS

Test Graphs

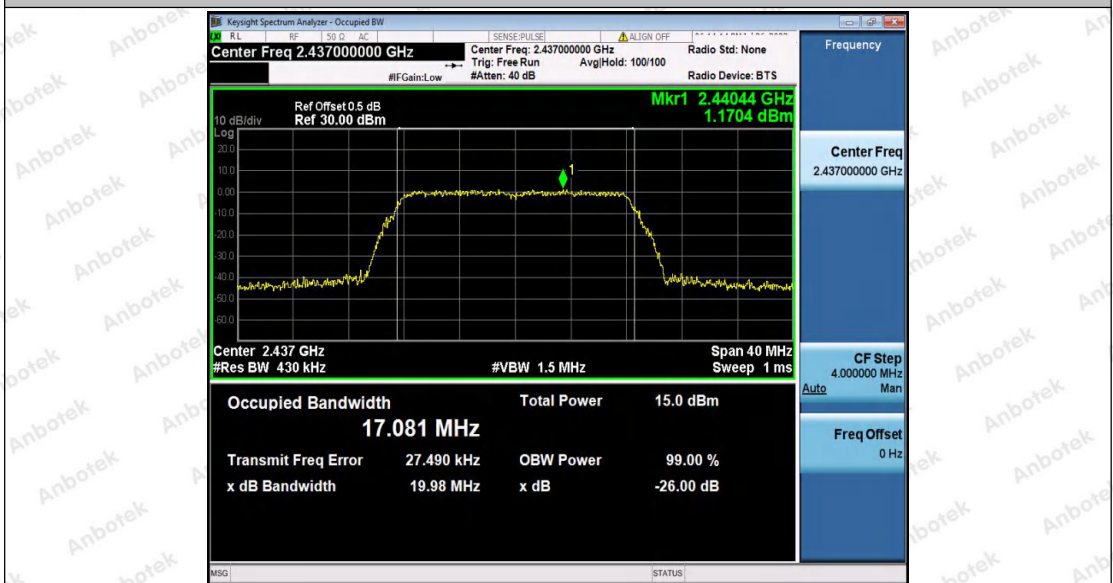




11G_Ant1_2412



11G_Ant1_2437



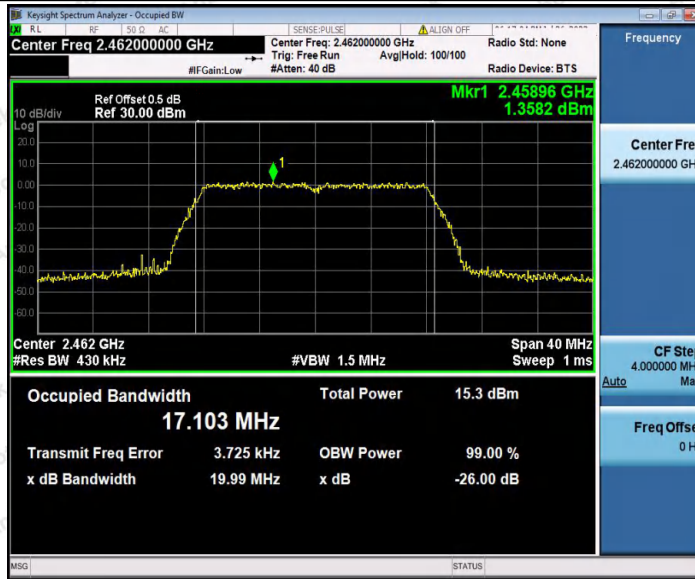
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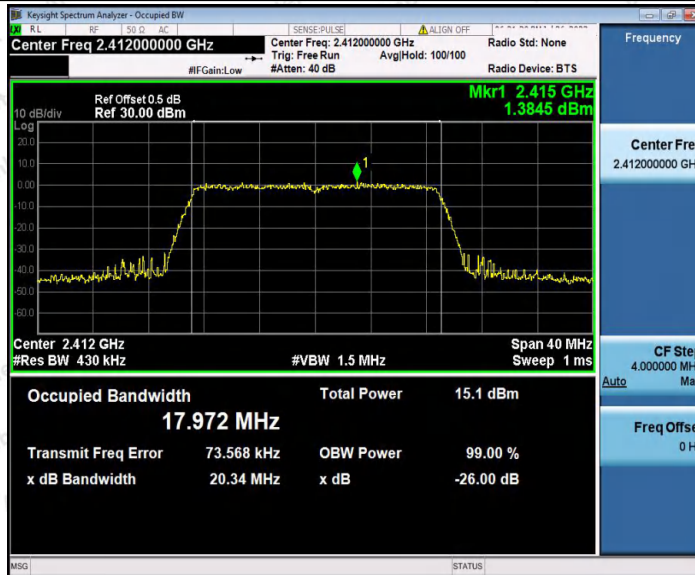
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11G_Ant1_2462



11N20_Ant1_2412



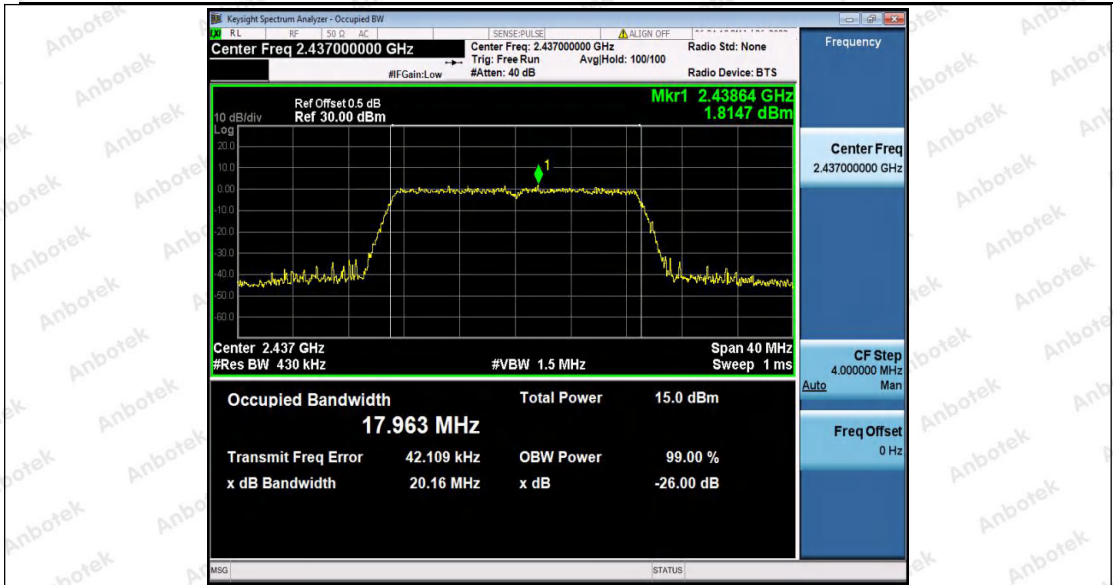
11N20_Ant1_2437

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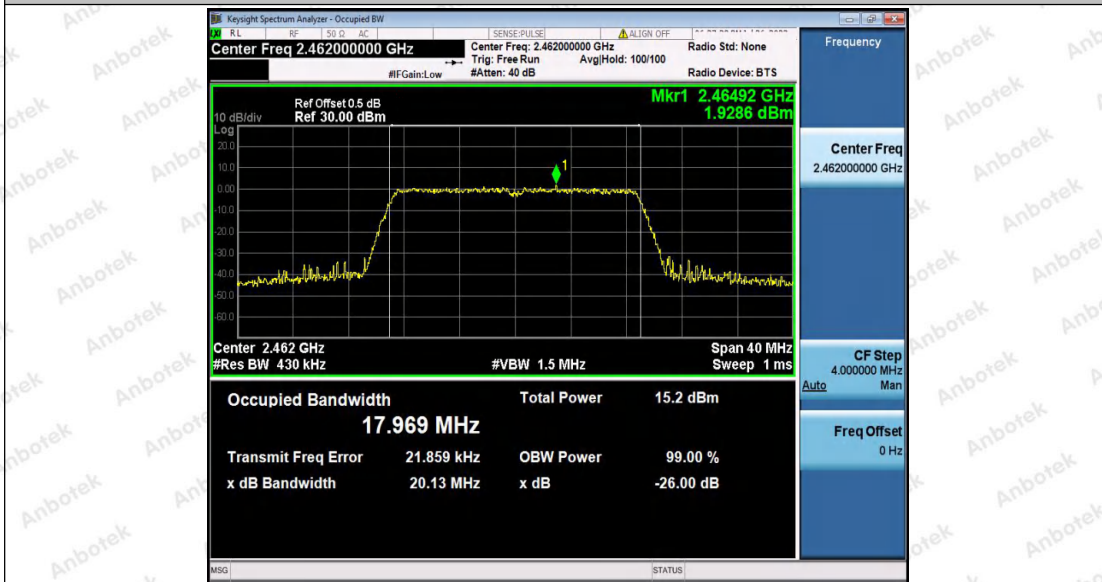
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Appendix C: Maximum conducted output power

Test Result

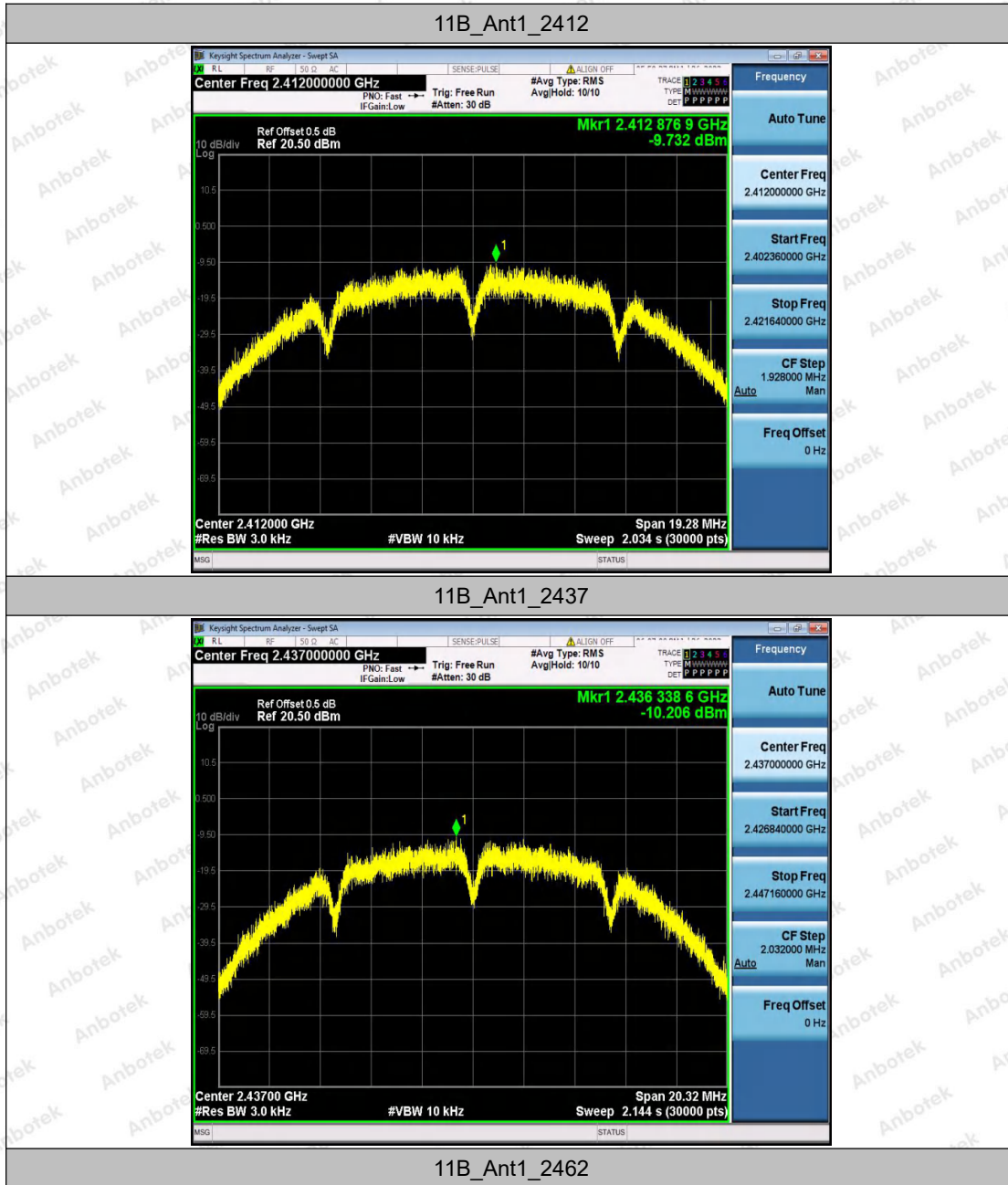
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.25	≤30	PASS
		2437	15.84	≤30	PASS
		2462	15.92	≤30	PASS
11G	Ant1	2412	16.26	≤30	PASS
		2437	15.94	≤30	PASS
		2462	16.11	≤30	PASS
11N20	Ant1	2412	16.26	≤30	PASS
		2437	16.22	≤30	PASS
		2462	16.11	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.73	≤8	PASS
		2437	-10.21	≤8	PASS
		2462	-7.22	≤8	PASS
11G	Ant1	2412	-16.29	≤8	PASS
		2437	-15	≤8	PASS
		2462	-15.8	≤8	PASS
11N20	Ant1	2412	-15.8	≤8	PASS
		2437	-16.76	≤8	PASS
		2462	-16.55	≤8	PASS

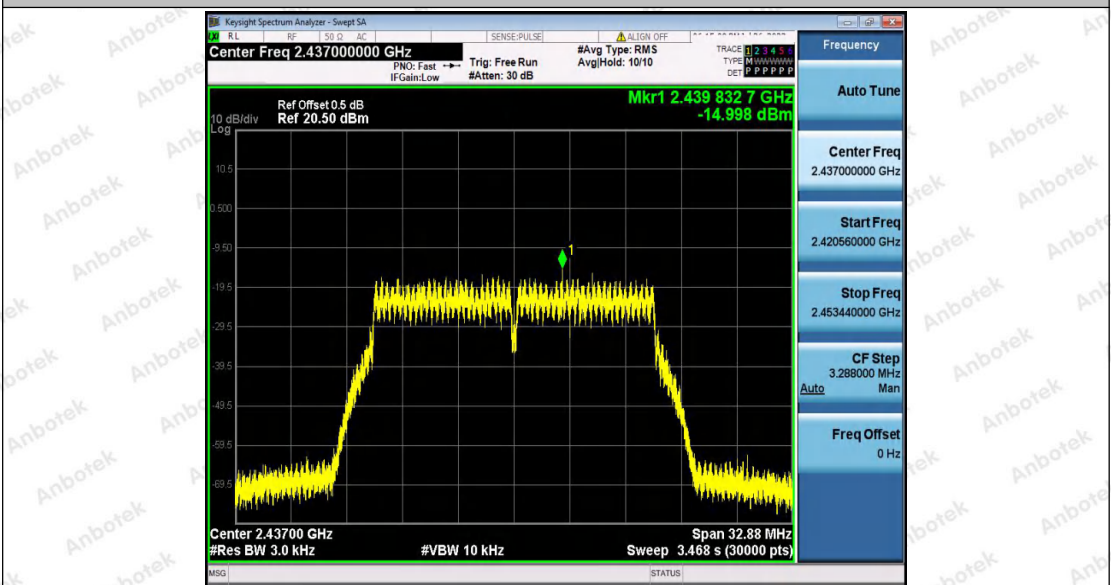
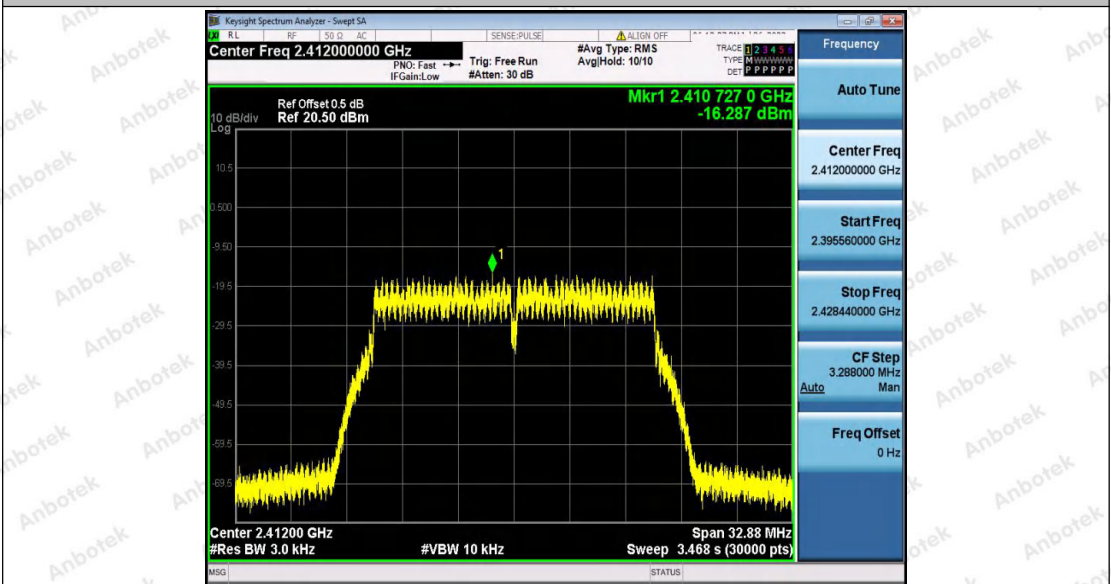
Test Graphs



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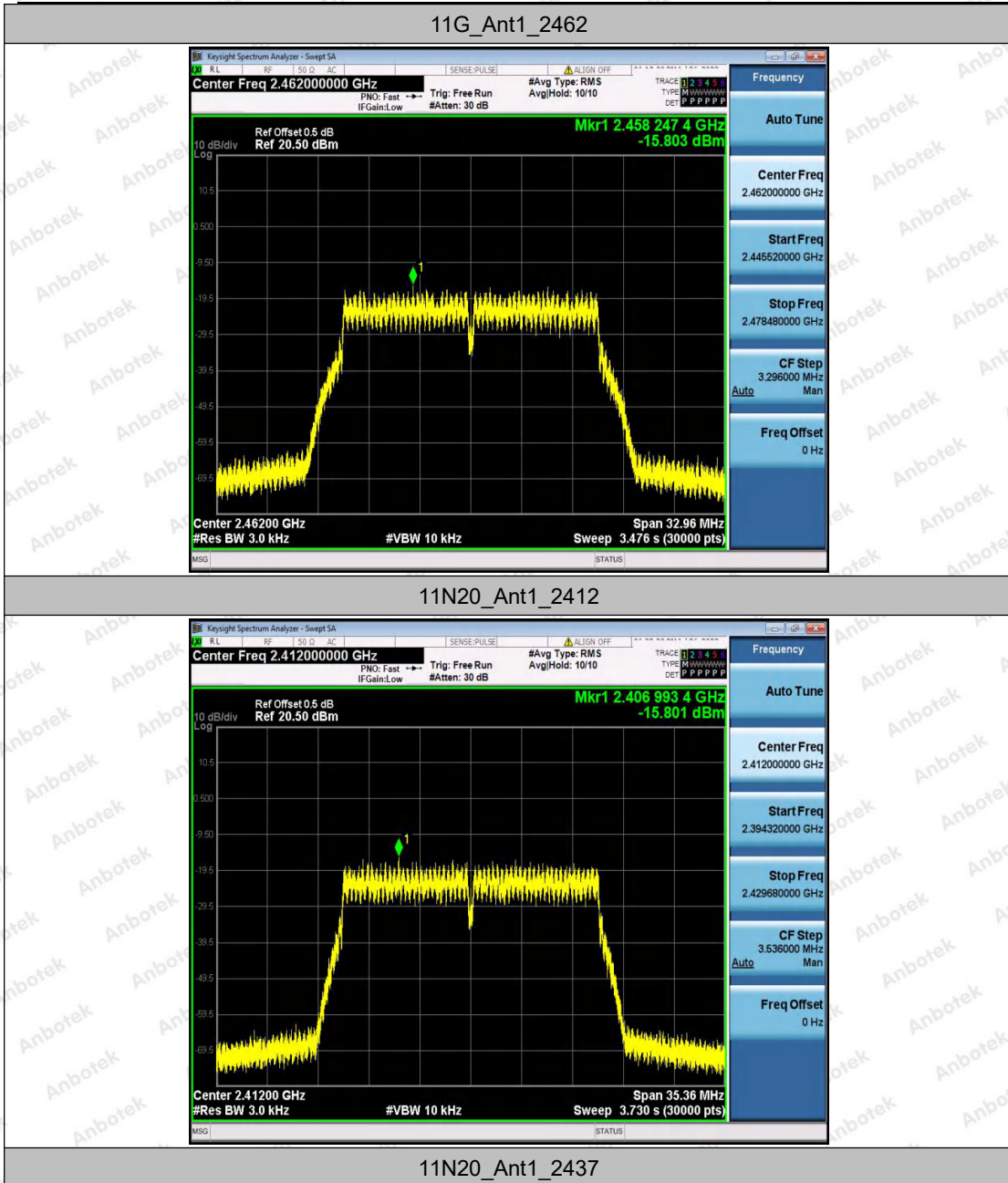


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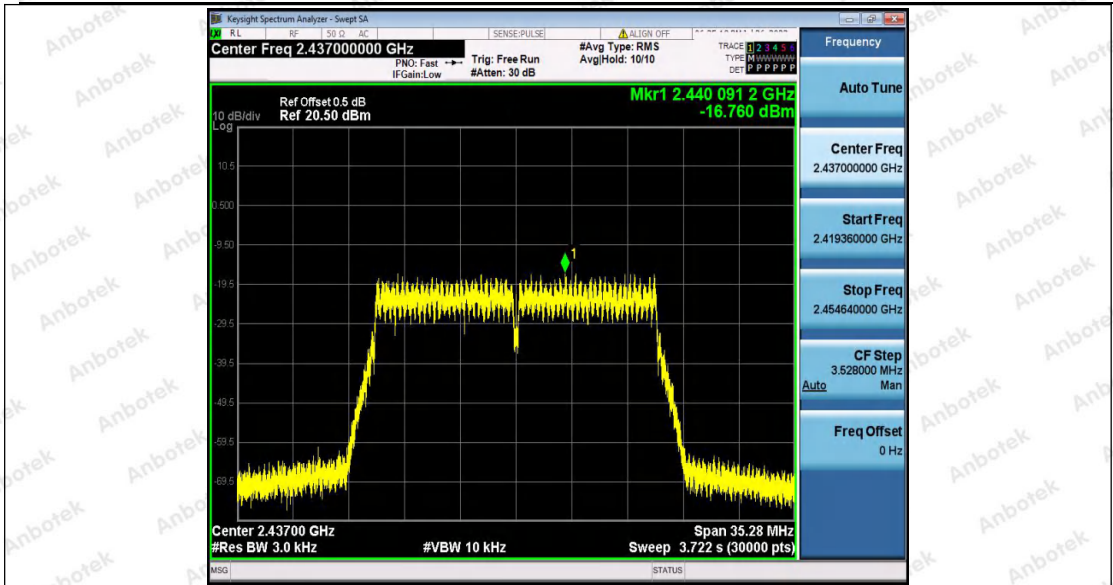
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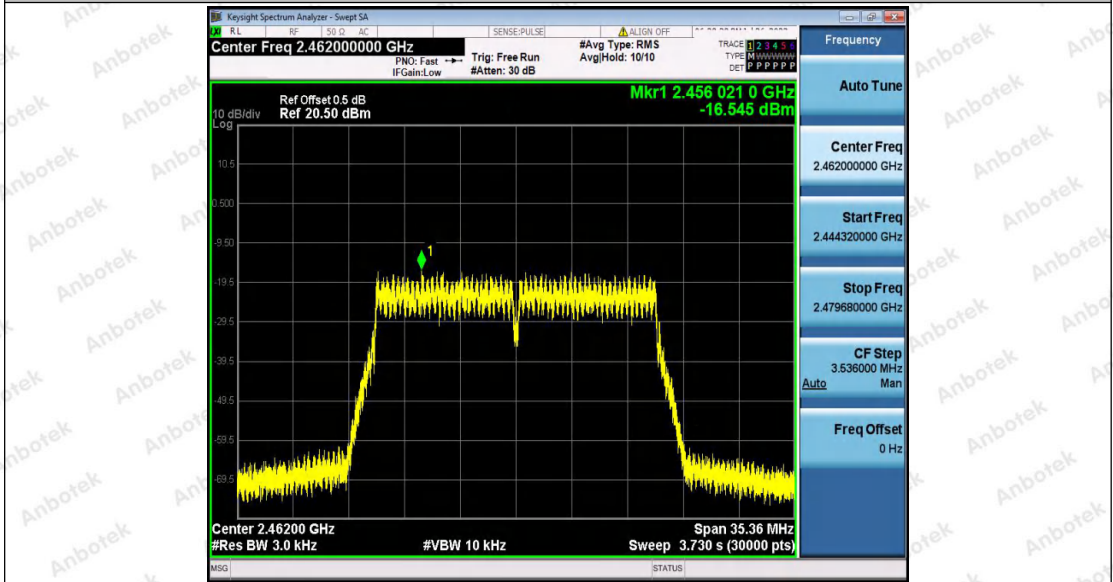
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11N20_Ant1_2462



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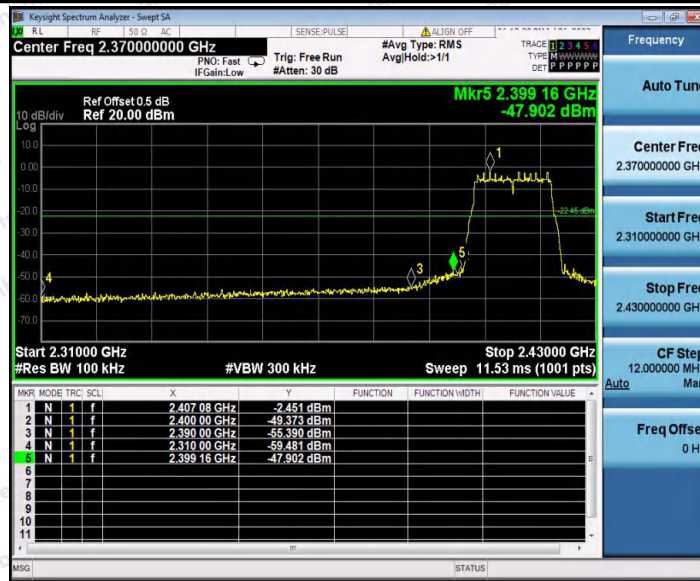
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.14	-46.97	≤-15.86	PASS
		High	2462	3.82	-54.73	≤-16.18	PASS
11G	Ant1	Low	2412	-2.45	-47.9	≤-22.45	PASS
		High	2462	-2.01	-53.88	≤-22.01	PASS
11N20	Ant1	Low	2412	-2.20	-44.79	≤-22.2	PASS
		High	2462	-2.35	-53.19	≤-22.35	PASS

Test Graphs

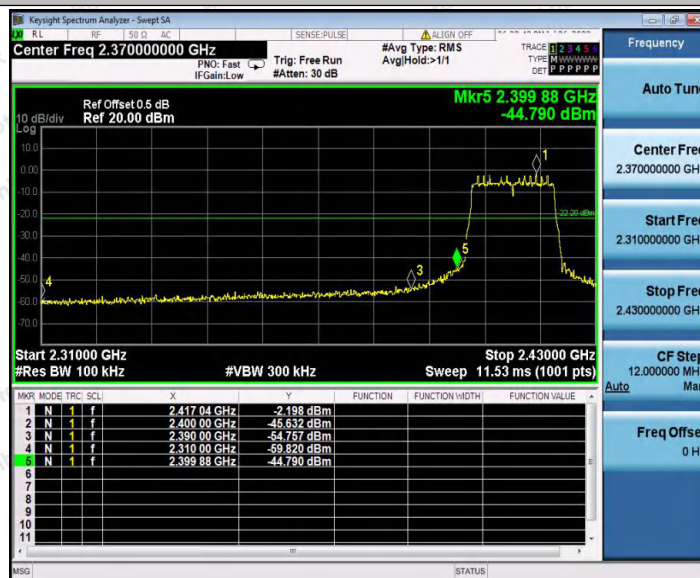




11G_Ant1_High_2462



11N20_Ant1_Low_2412

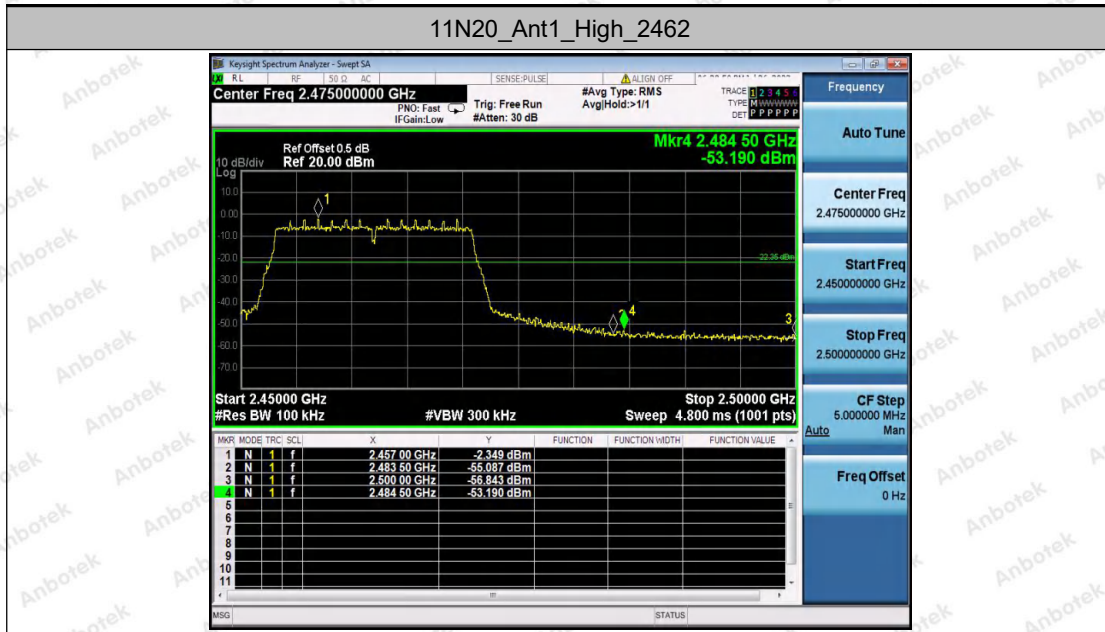


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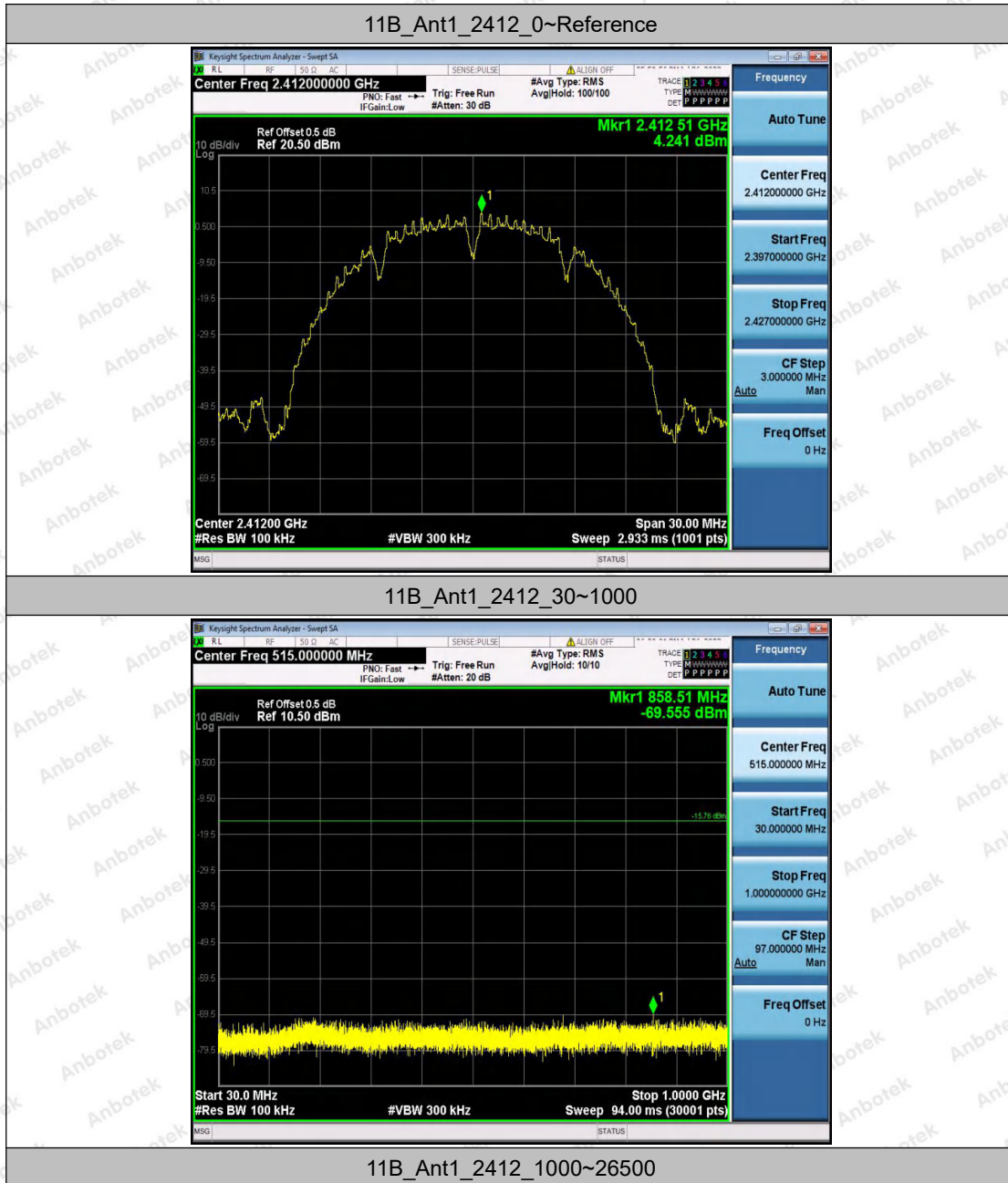
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.24	4.24	---	PASS
			30~1000	4.24	-69.56	≤-15.76	PASS
			1000~26500	4.24	-54.06	≤-15.76	PASS
		2437	Reference	3.94	3.94	---	PASS
			30~1000	3.94	-69.56	≤-16.06	PASS
			1000~26500	3.94	-53.9	≤-16.06	PASS
		2462	Reference	3.96	3.96	---	PASS
			30~1000	3.96	-70.09	≤-16.04	PASS
			1000~26500	3.96	-53.72	≤-16.04	PASS
11G	Ant1	2412	Reference	-2.76	-2.76	---	PASS
			30~1000	-2.76	-69.53	≤-22.76	PASS
			1000~26500	-2.76	-53.42	≤-22.76	PASS
		2437	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-70.02	≤-22.74	PASS
			1000~26500	-2.74	-53.52	≤-22.74	PASS
		2462	Reference	-2.10	-2.10	---	PASS
			30~1000	-2.10	-59.49	≤-22.1	PASS
			1000~26500	-2.10	-54.34	≤-22.1	PASS
11N20	Ant1	2412	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-69.26	≤-22.51	PASS
			1000~26500	-2.51	-53.96	≤-22.51	PASS
		2437	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-55.65	≤-21.93	PASS
			1000~26500	-1.93	-53.38	≤-21.93	PASS
		2462	Reference	-1.77	-1.77	---	PASS
			30~1000	-1.77	-60.4	≤-21.77	PASS
			1000~26500	-1.77	-53.43	≤-21.77	PASS

Test Graphs

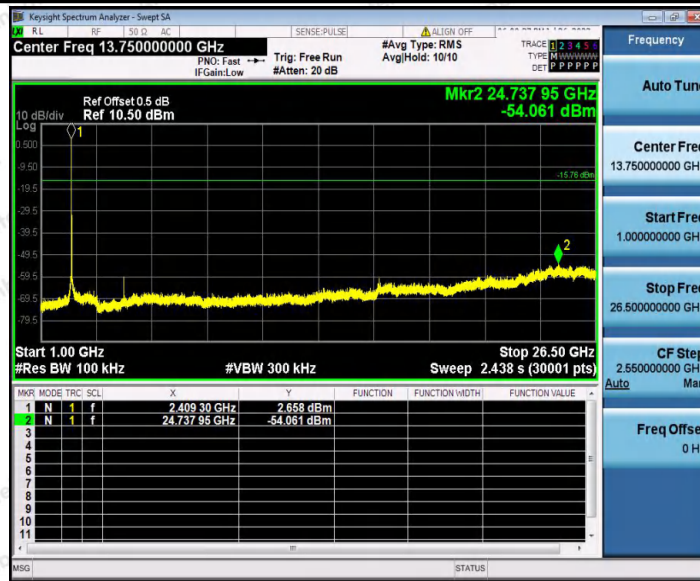


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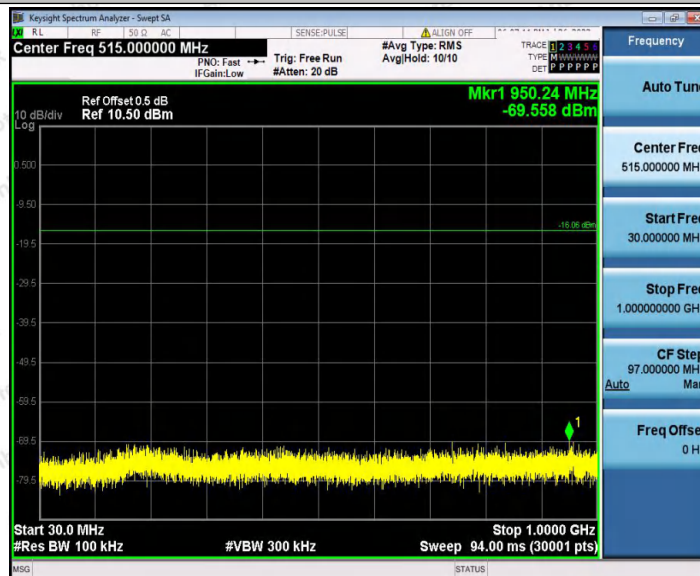
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

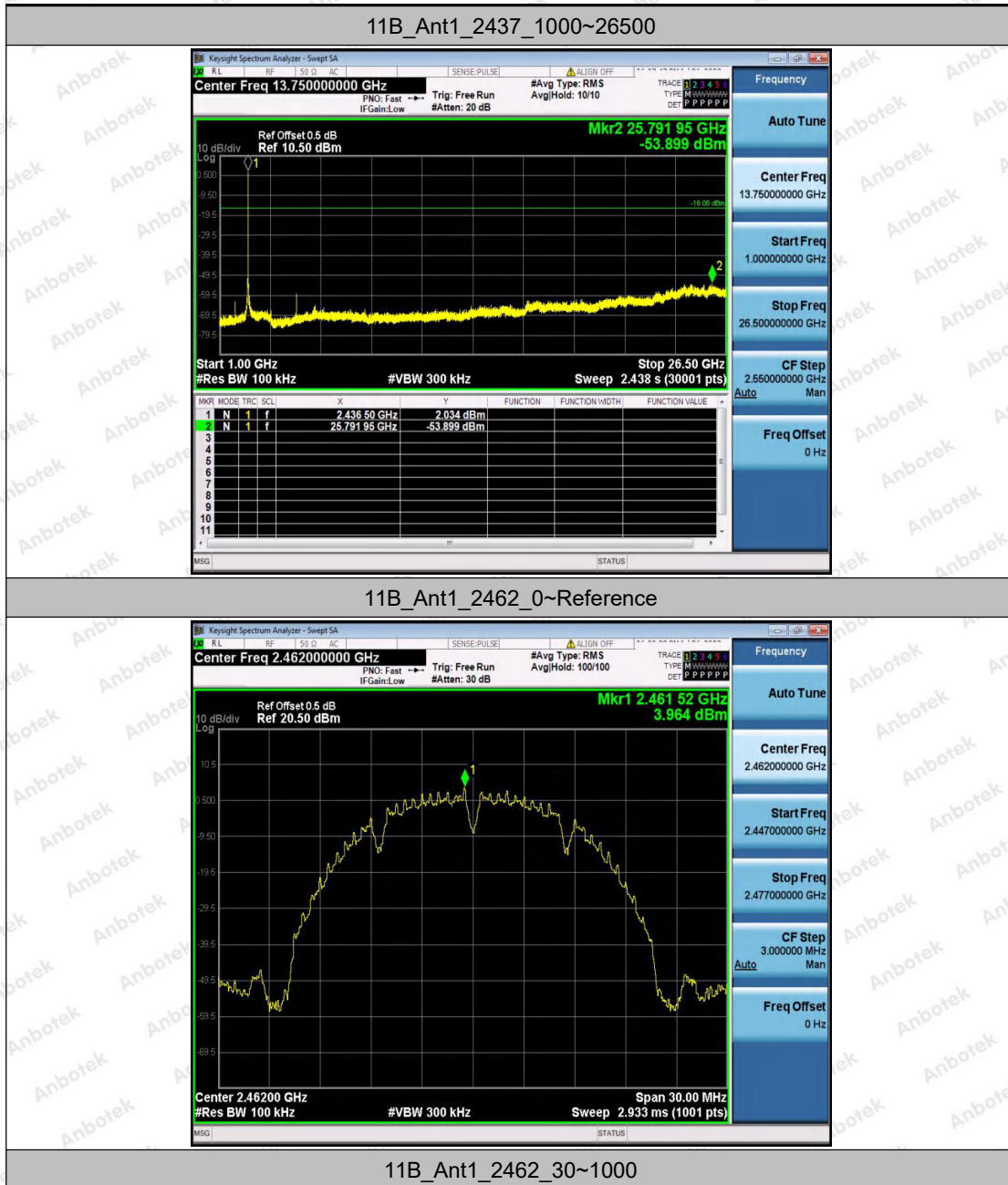


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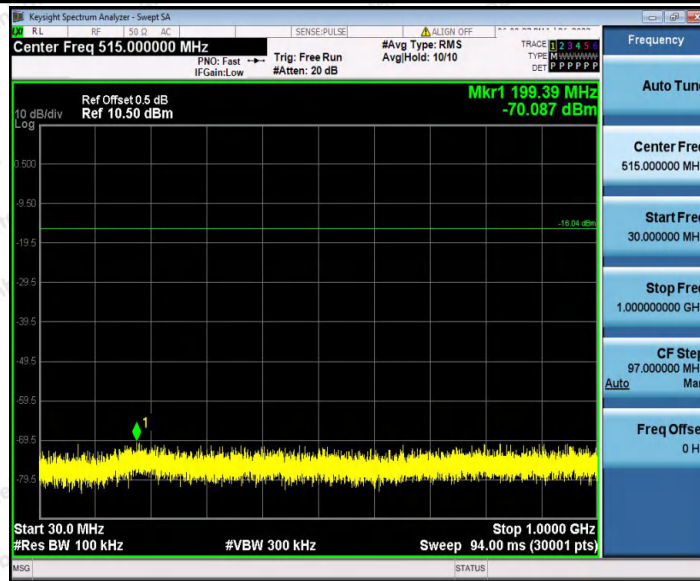


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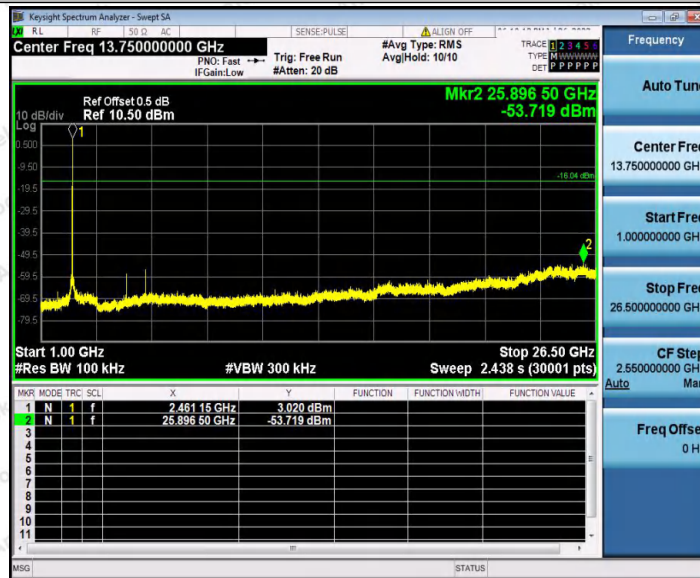
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11B_Ant1_2462_1000~26500



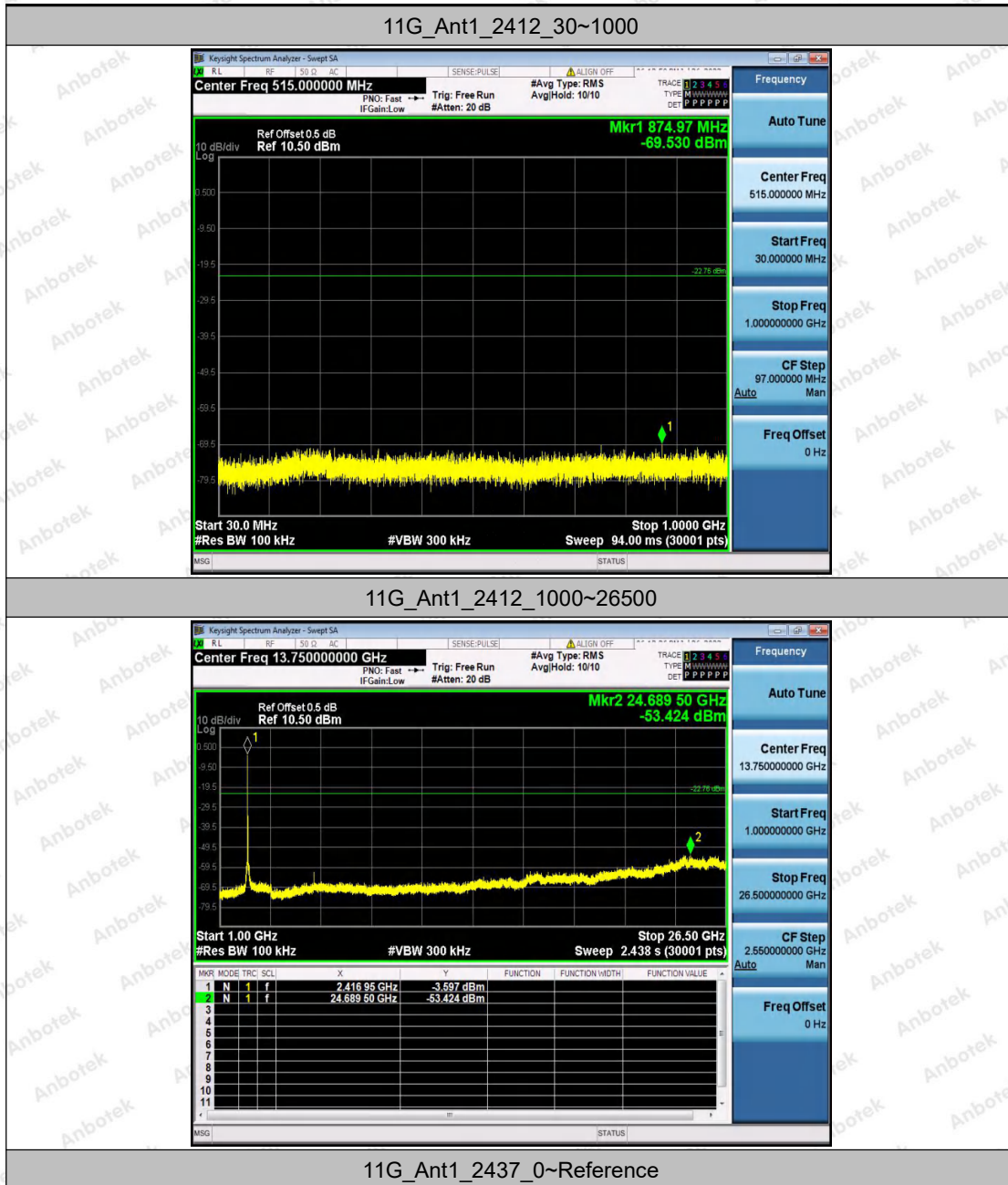
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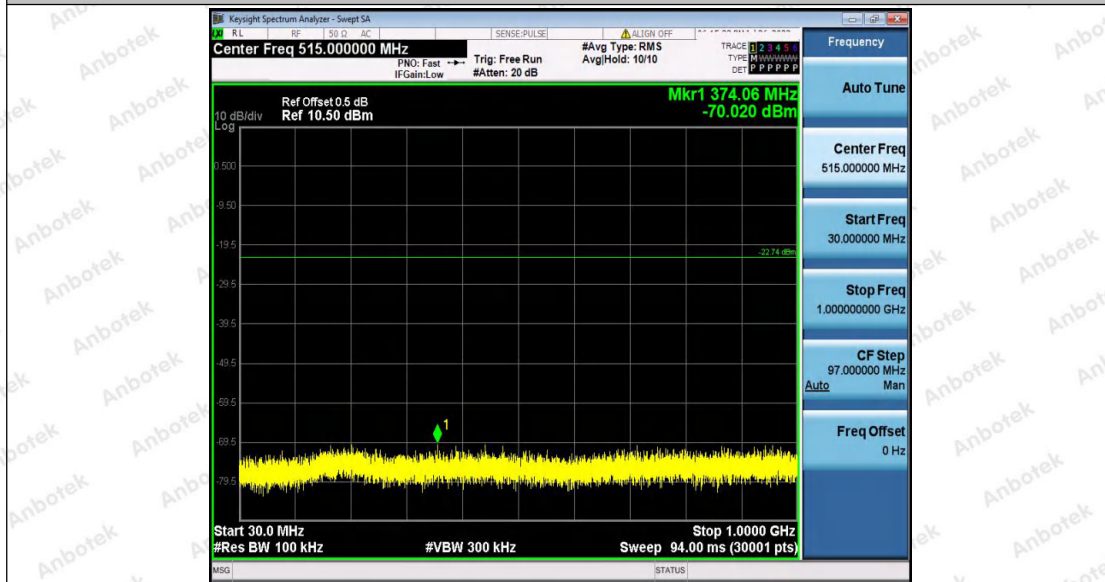
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11G_Ant1_2437_30~1000



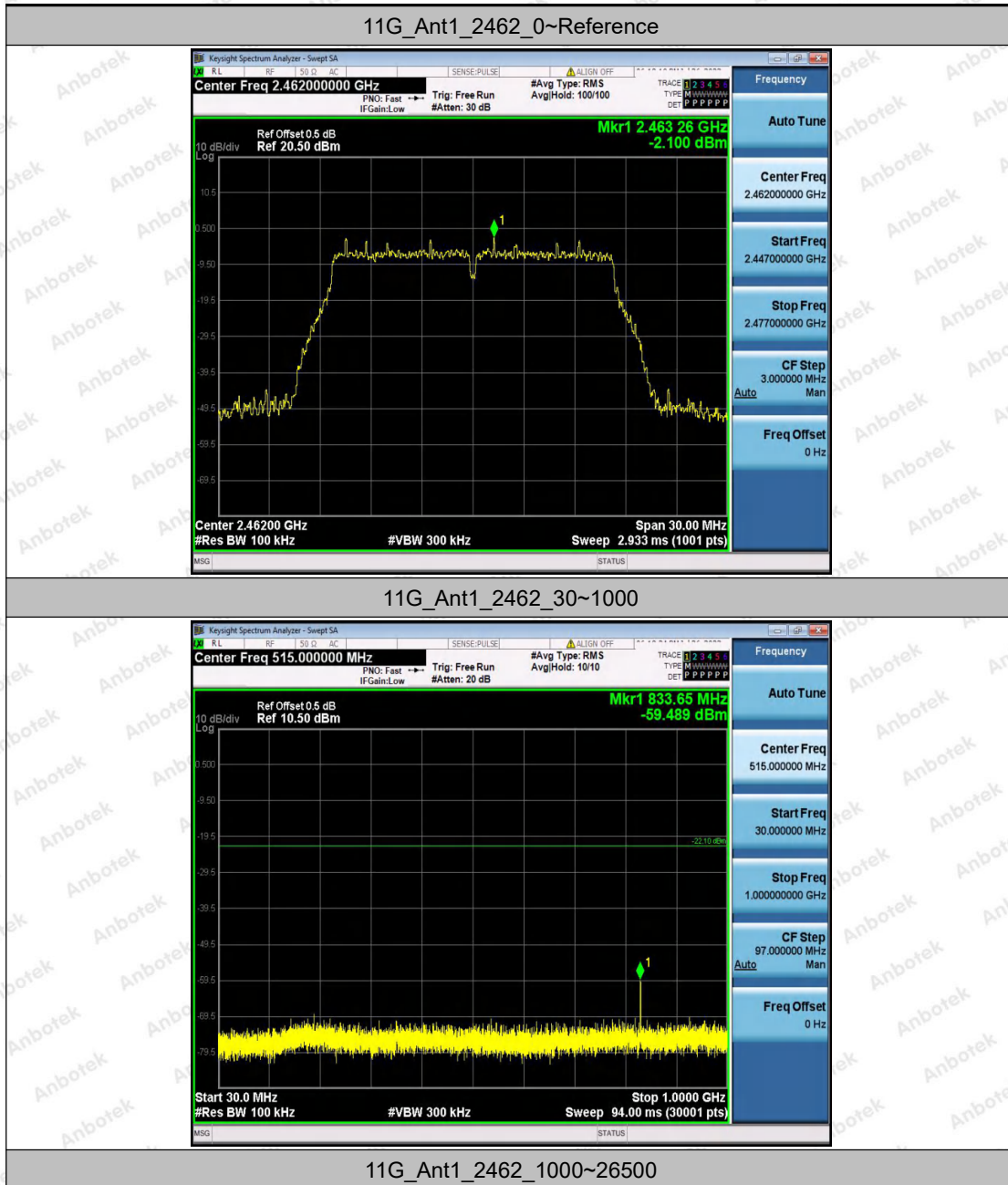
11G_Ant1_2437_1000~26500



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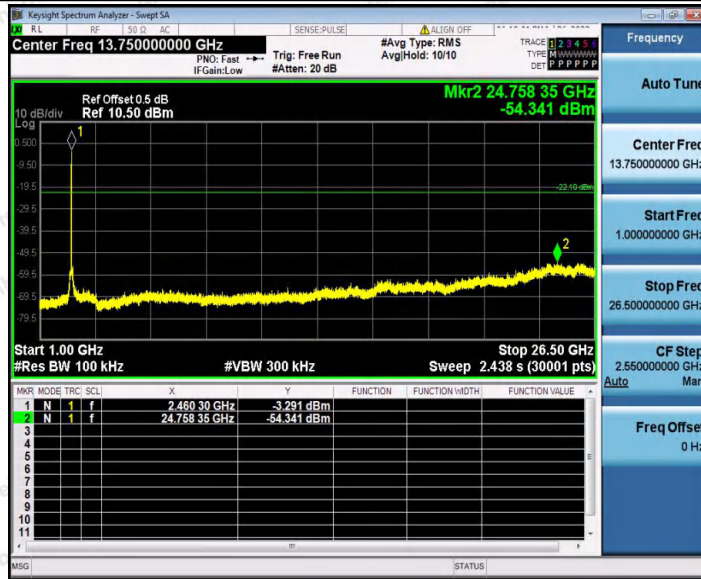


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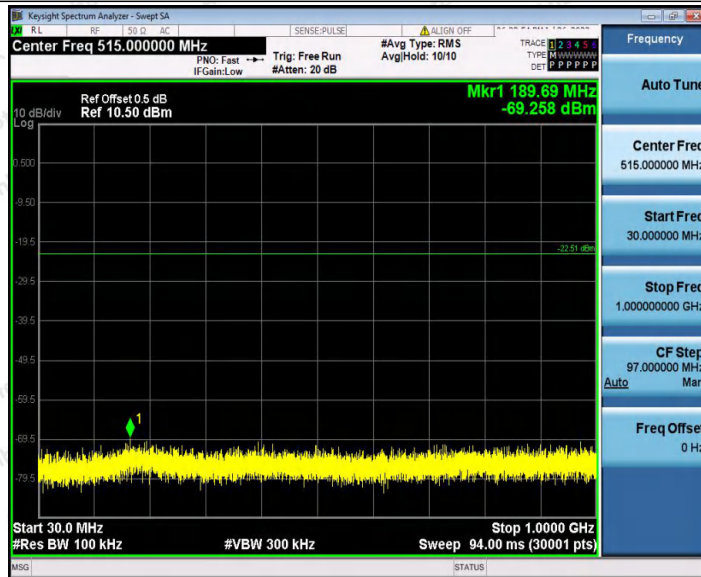
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

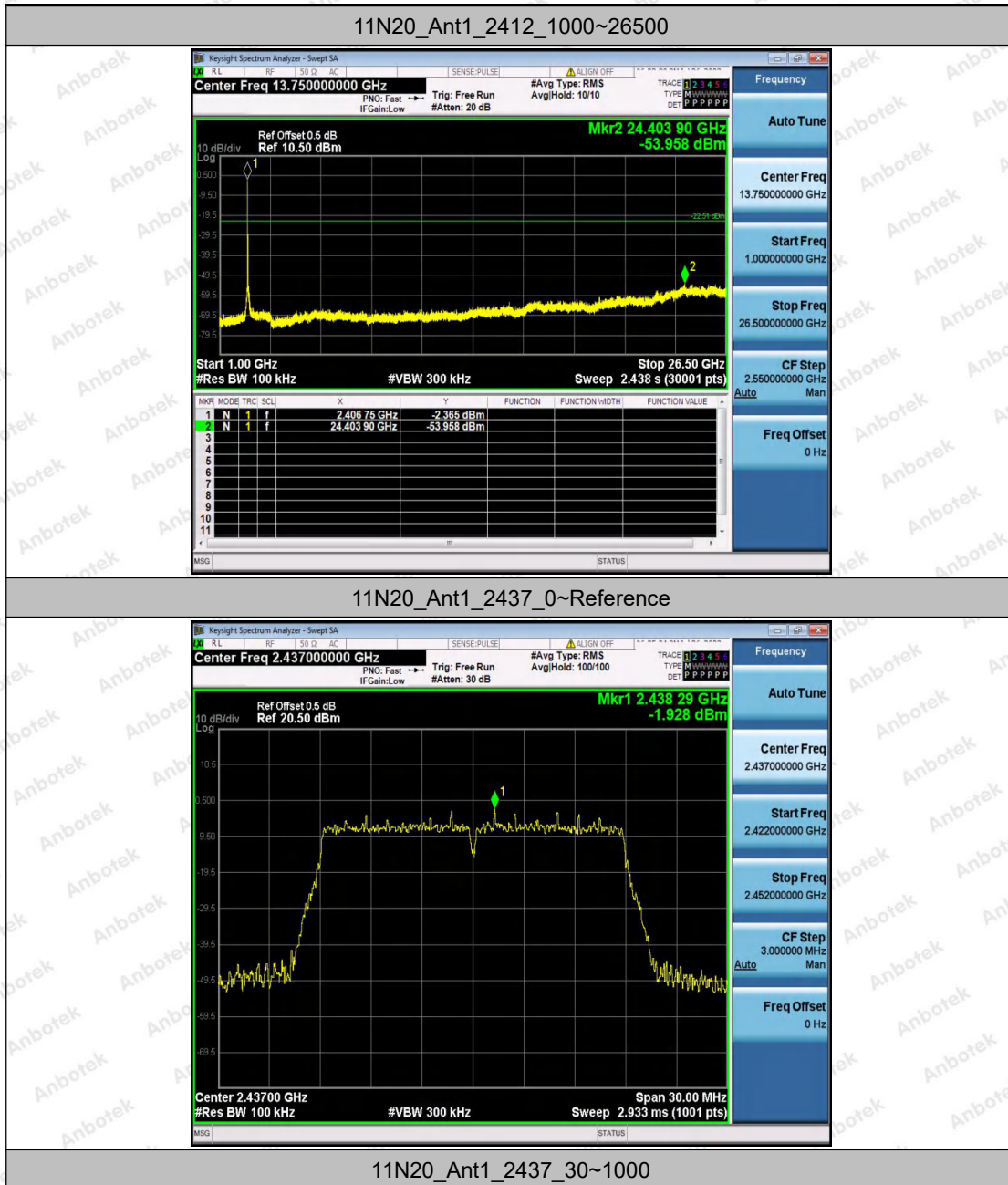


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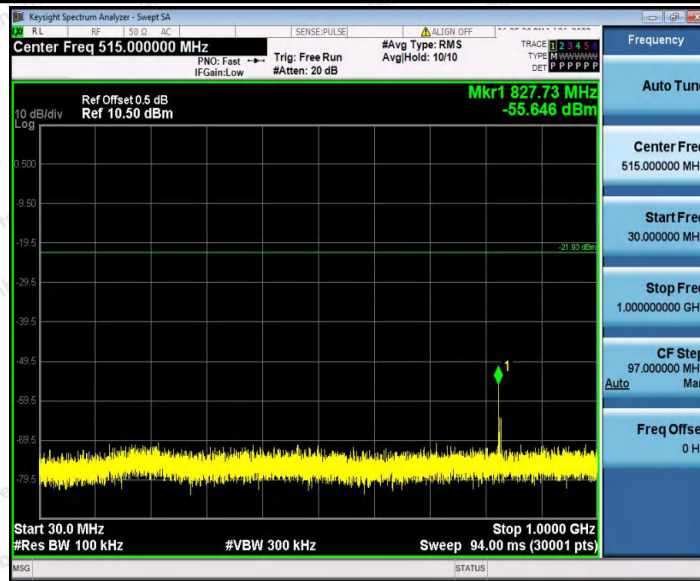


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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

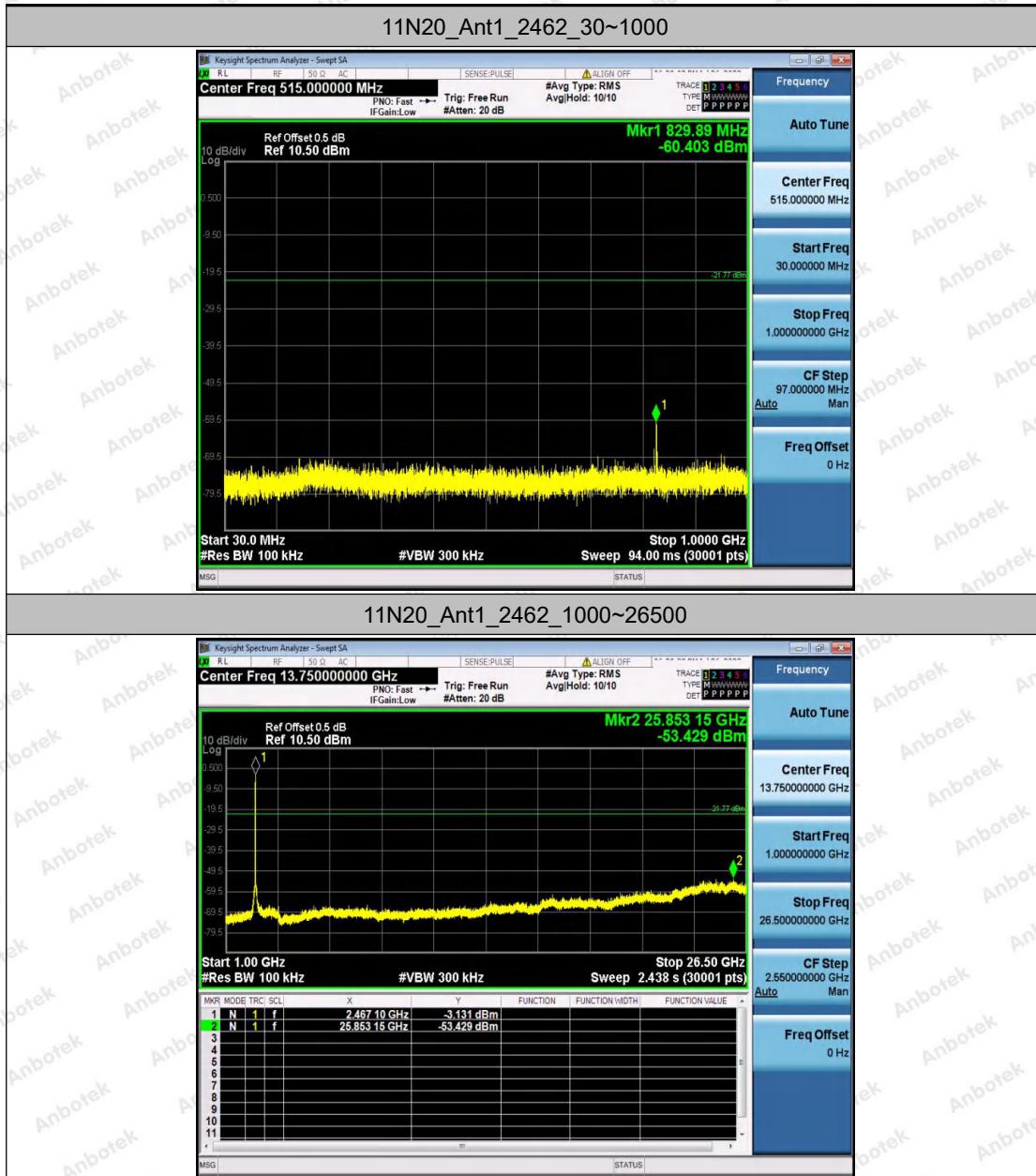


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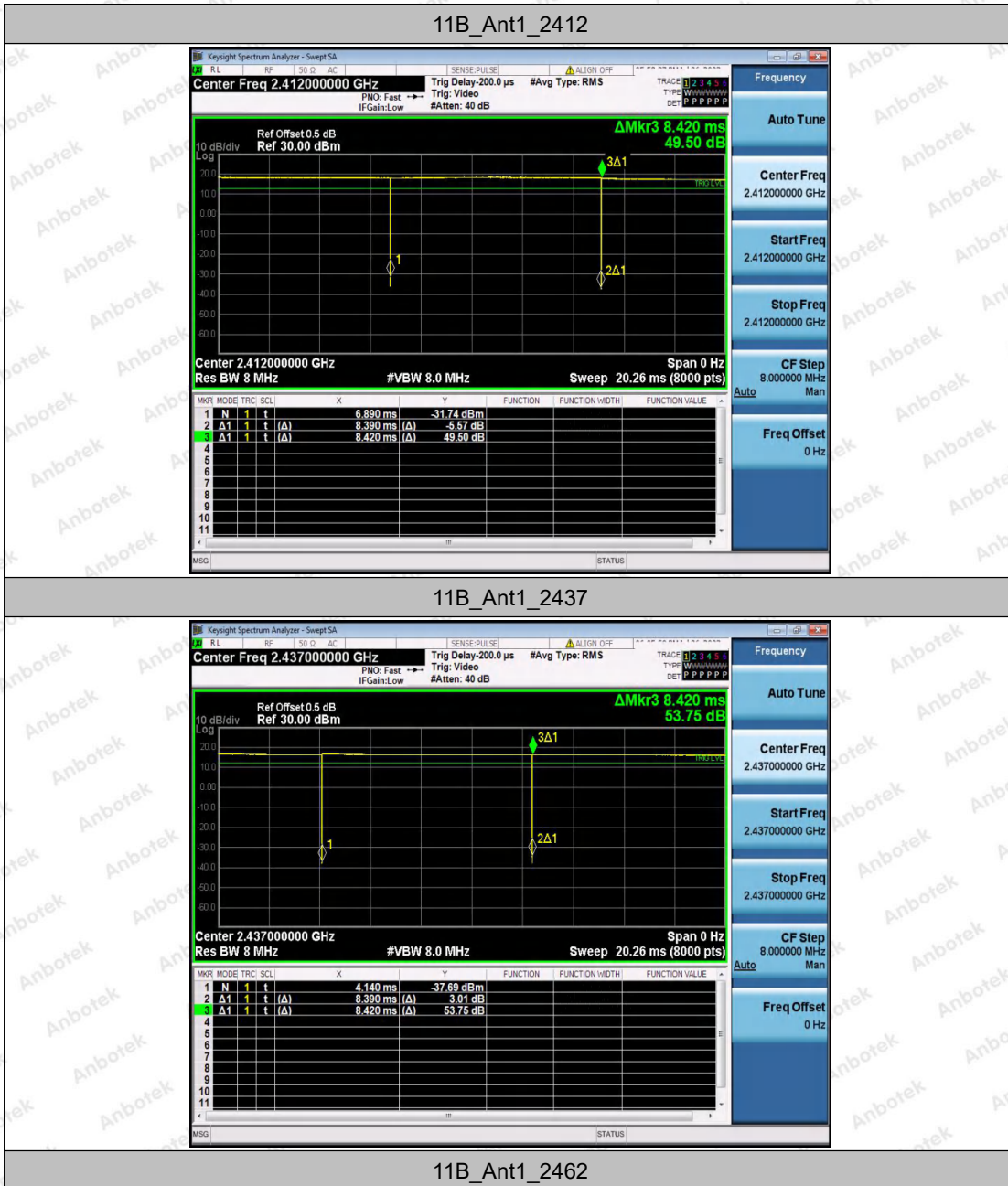
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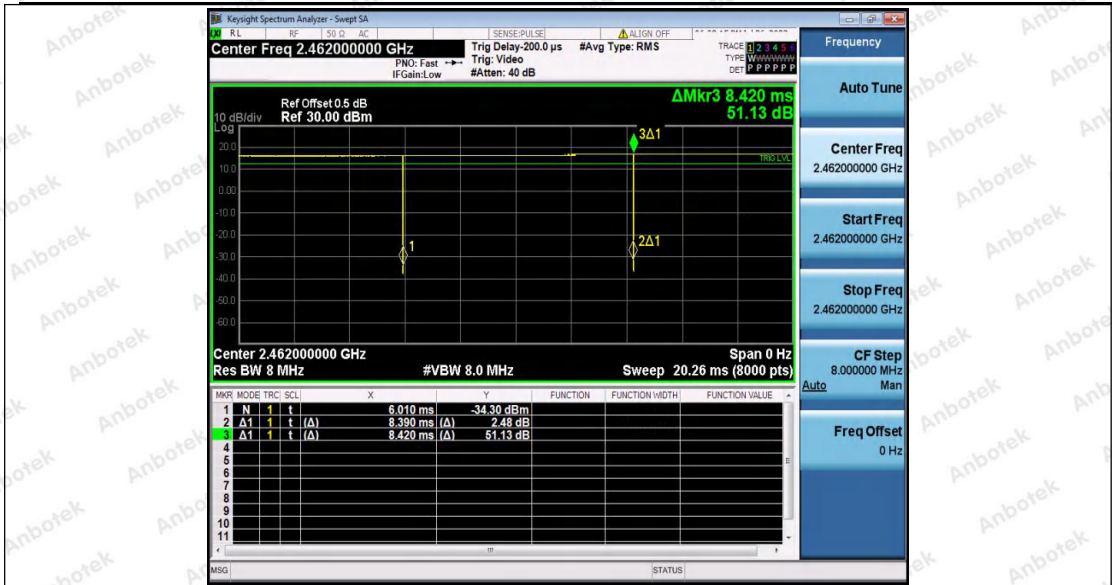
Appendix G: Duty Cycle

Test Result

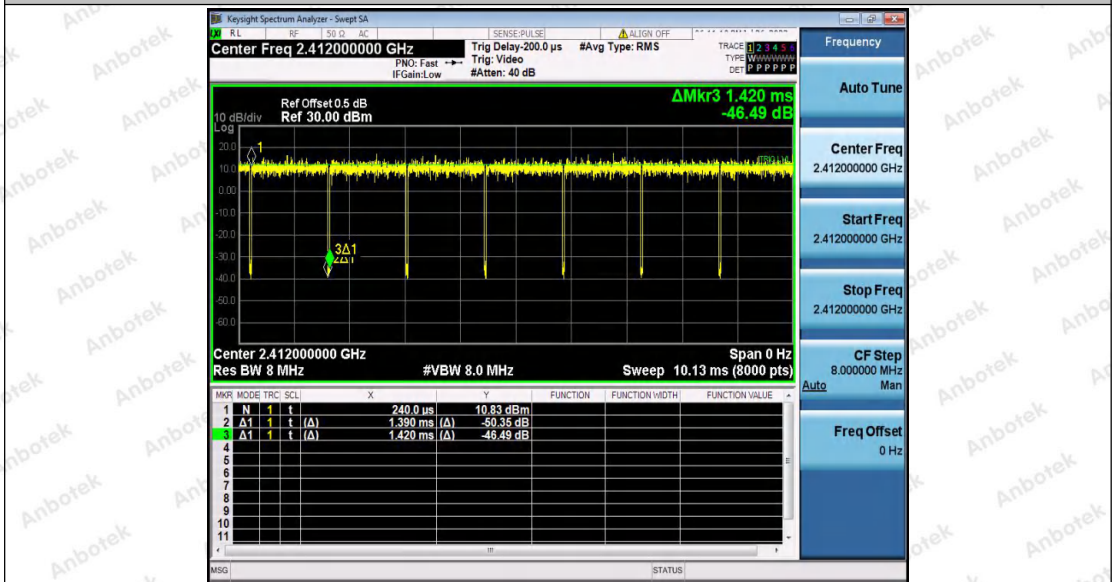
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.39	8.42	99.64	---	PASS
11G	Ant1	2412	1.39	1.42	97.89	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.42	97.89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

Test Graphs

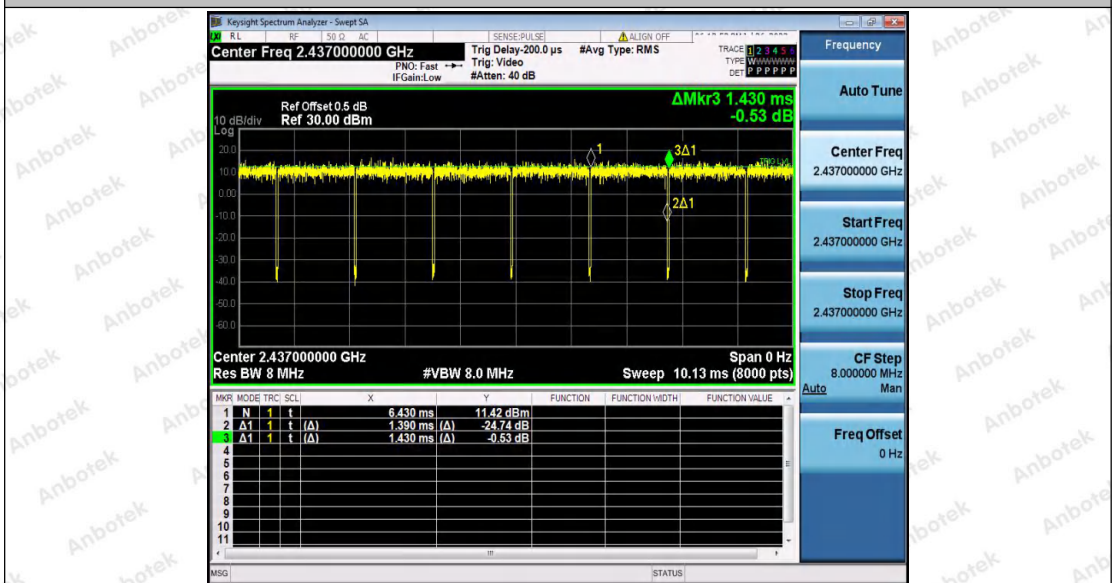




11G_Ant1_2412



11G_Ant1_2437



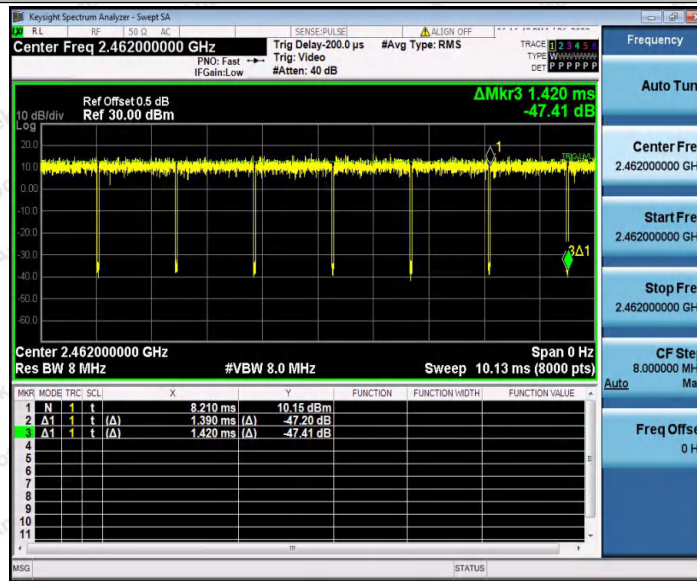
Shenzhen Anbotek Compliance Laboratory Limited

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

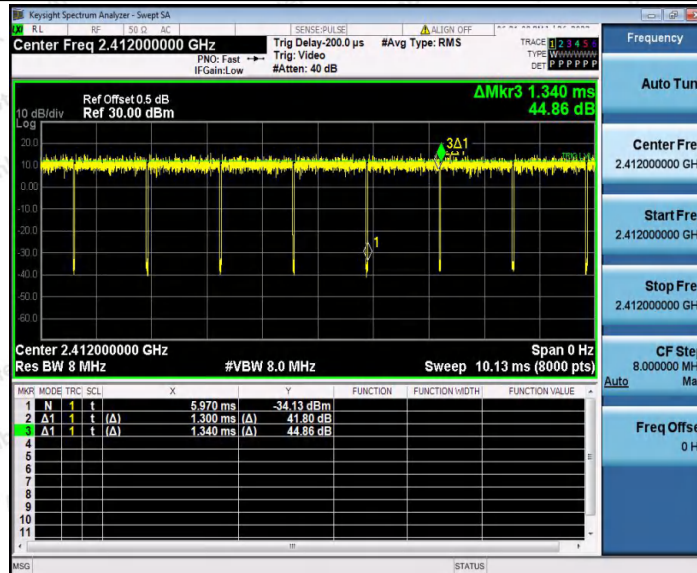
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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11G_Ant1_2462



11N20_Ant1_2412



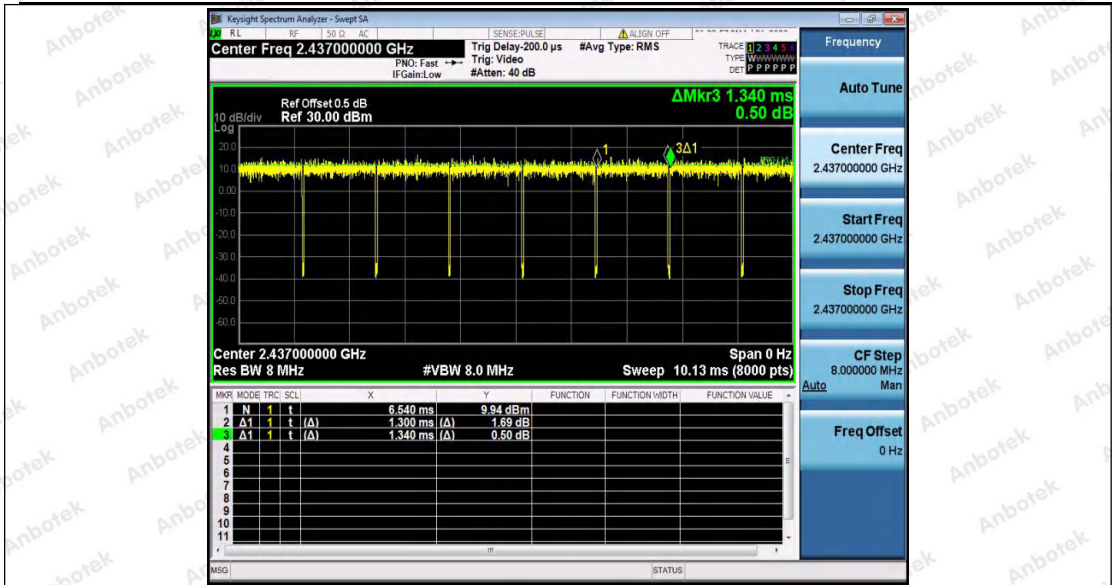
11N20_Ant1_2437

Shenzhen Anbotek Compliance Laboratory Limited

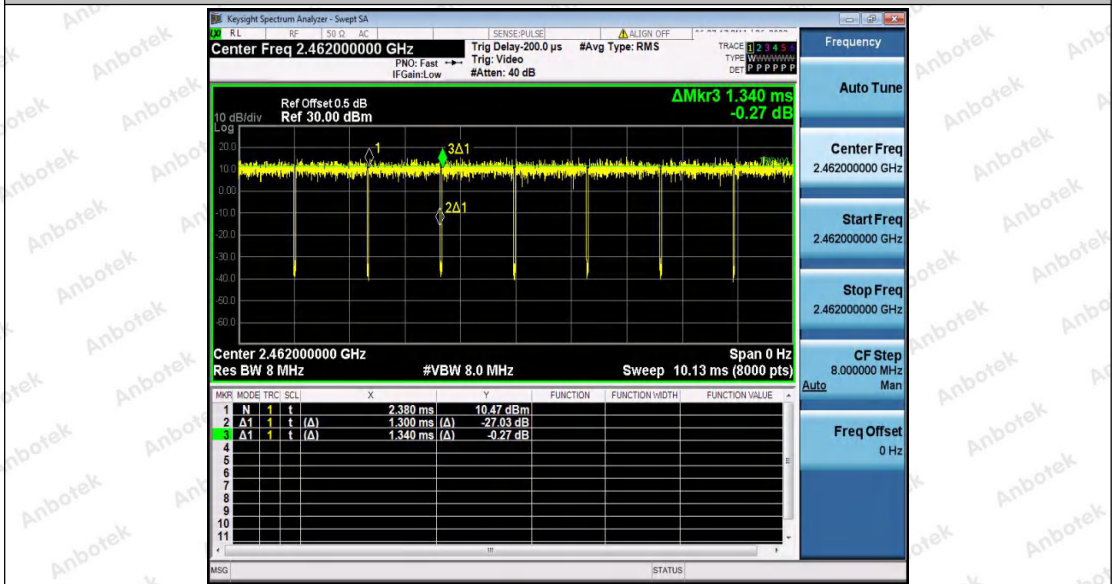
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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11N20_Ant1_2462



---End---