

Appendix Test Data

Report No.:	18220WC20150902	Test Sample No.:	1-2-2
Start Test Date:	2022.7.8	Finish Test Date:	2022.7.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	1012 hPa		

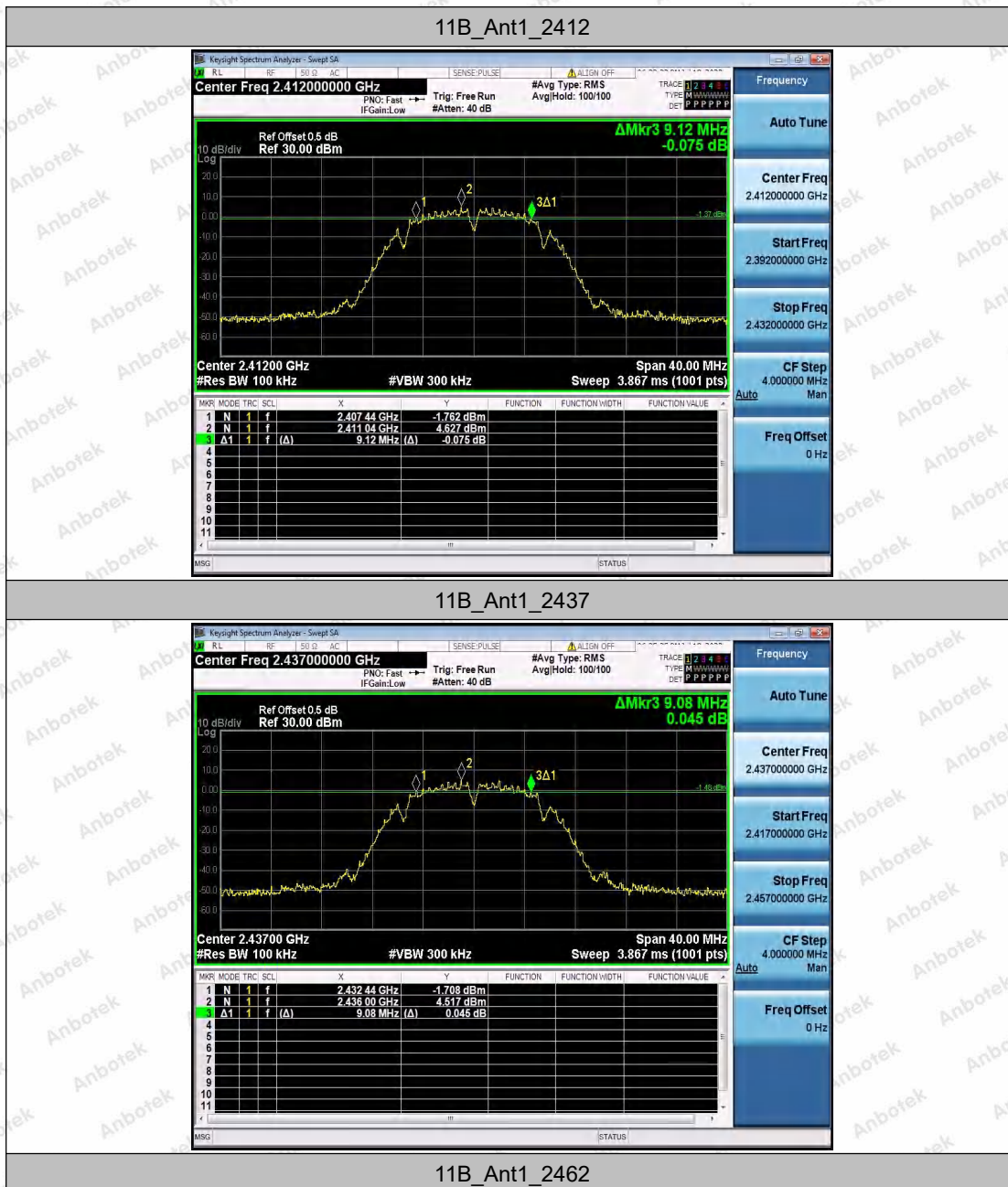
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.440	2416.560	≥0.5	PASS
		2437	9.080	2432.440	2441.520	≥0.5	PASS
		2462	9.120	2456.960	2466.080	≥0.5	PASS
11G	Ant1	2412	16.440	2403.760	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	17.680	2403.160	2420.840	≥0.5	PASS
		2437	17.680	2428.160	2445.840	≥0.5	PASS
		2462	17.640	2453.200	2470.840	≥0.5	PASS



Test Graphs



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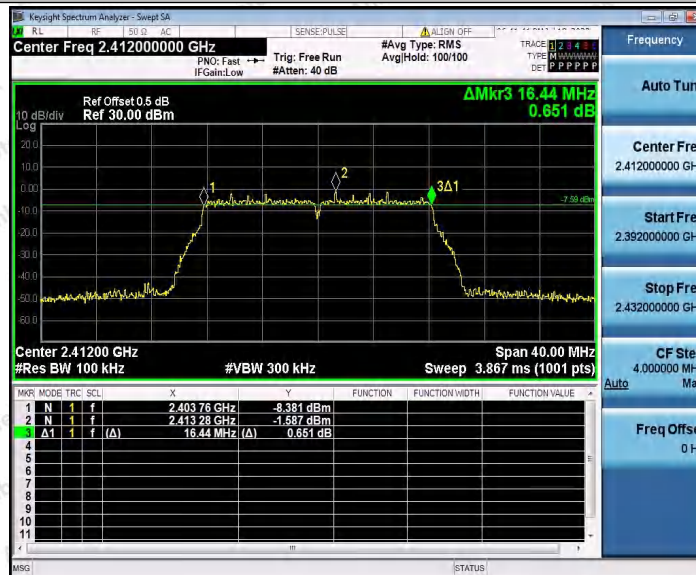


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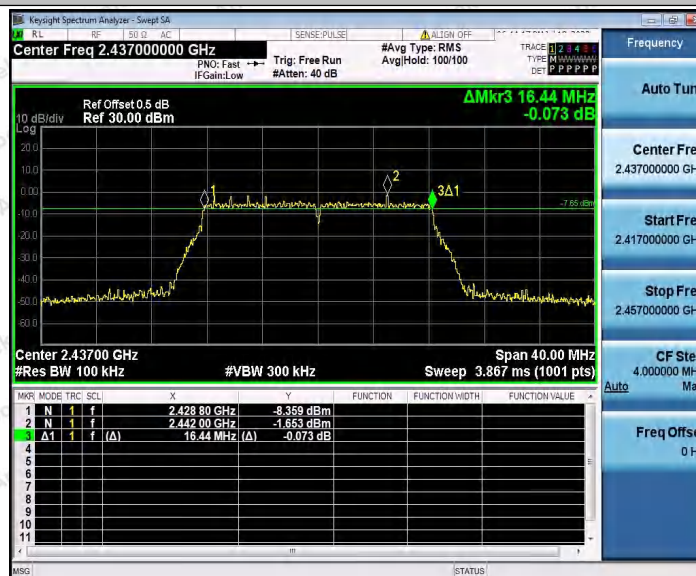




11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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11N20_Ant1_2462



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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	12.291	2405.908	2418.199	---	PASS
		2437	12.303	2430.884	2443.187	---	PASS
		2462	12.314	2455.876	2468.190	---	PASS
11G	Ant1	2412	17.096	2403.509	2420.605	---	PASS
		2437	17.060	2428.498	2445.558	---	PASS
		2462	17.136	2453.475	2470.611	---	PASS
11N20	Ant1	2412	17.961	2403.048	2421.009	---	PASS
		2437	17.972	2428.039	2446.011	---	PASS
		2462	17.956	2453.040	2470.996	---	PASS



Test Graphs



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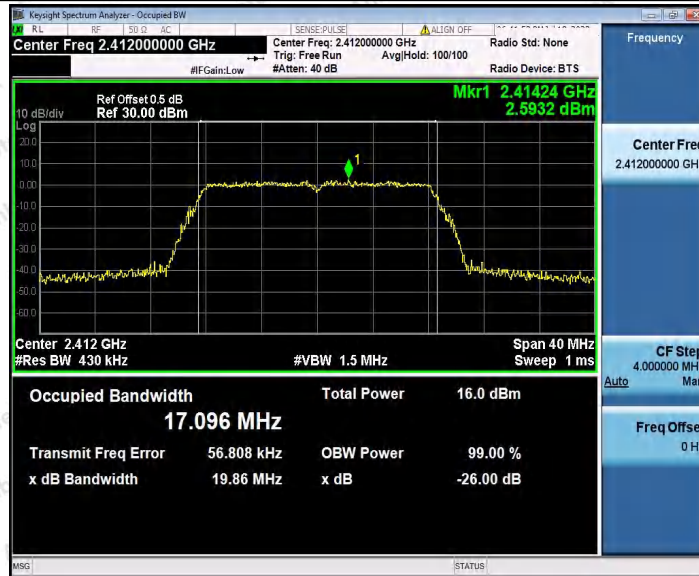


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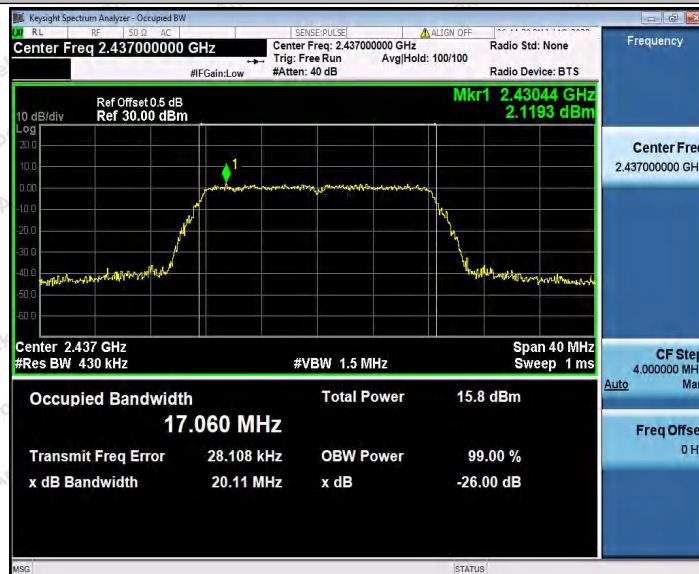




11G_Ant1_2412



11G_Ant1_2437



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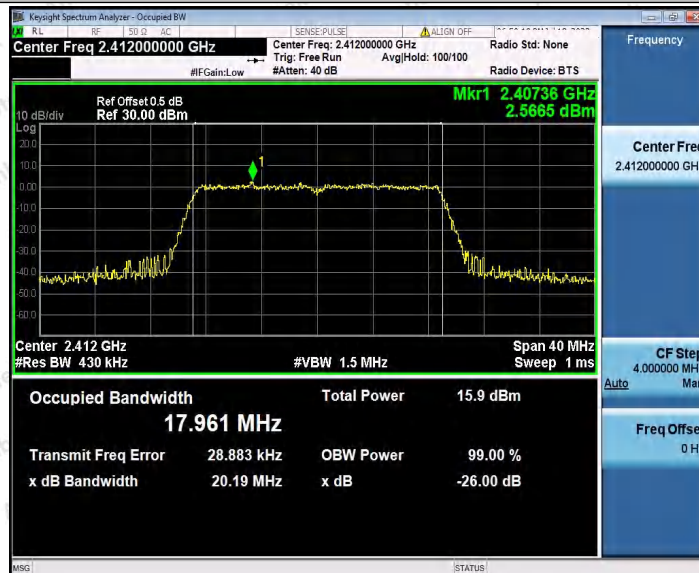
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

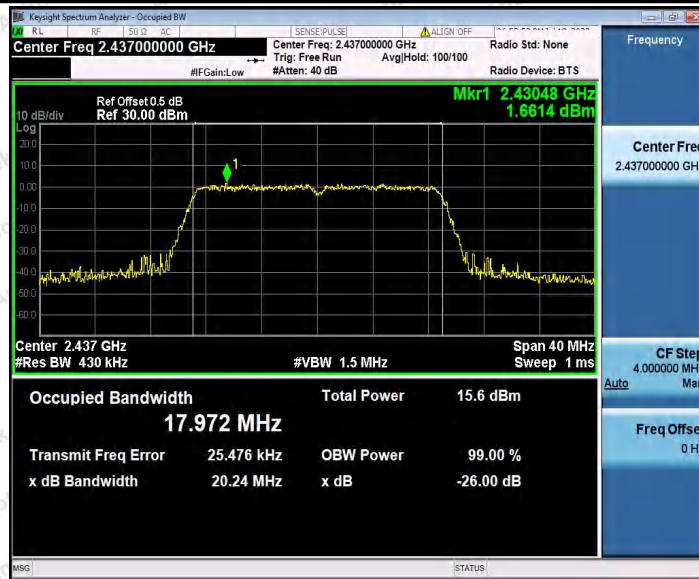
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11N20_Ant1_2462



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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.83	≤30	PASS
		2437	16.50	≤30	PASS
		2462	16.67	≤30	PASS
11G	Ant1	2412	17.05	≤30	PASS
		2437	16.91	≤30	PASS
		2462	16.93	≤30	PASS
11N20	Ant1	2412	17.13	≤30	PASS
		2437	16.80	≤30	PASS
		2462	17.02	≤30	PASS



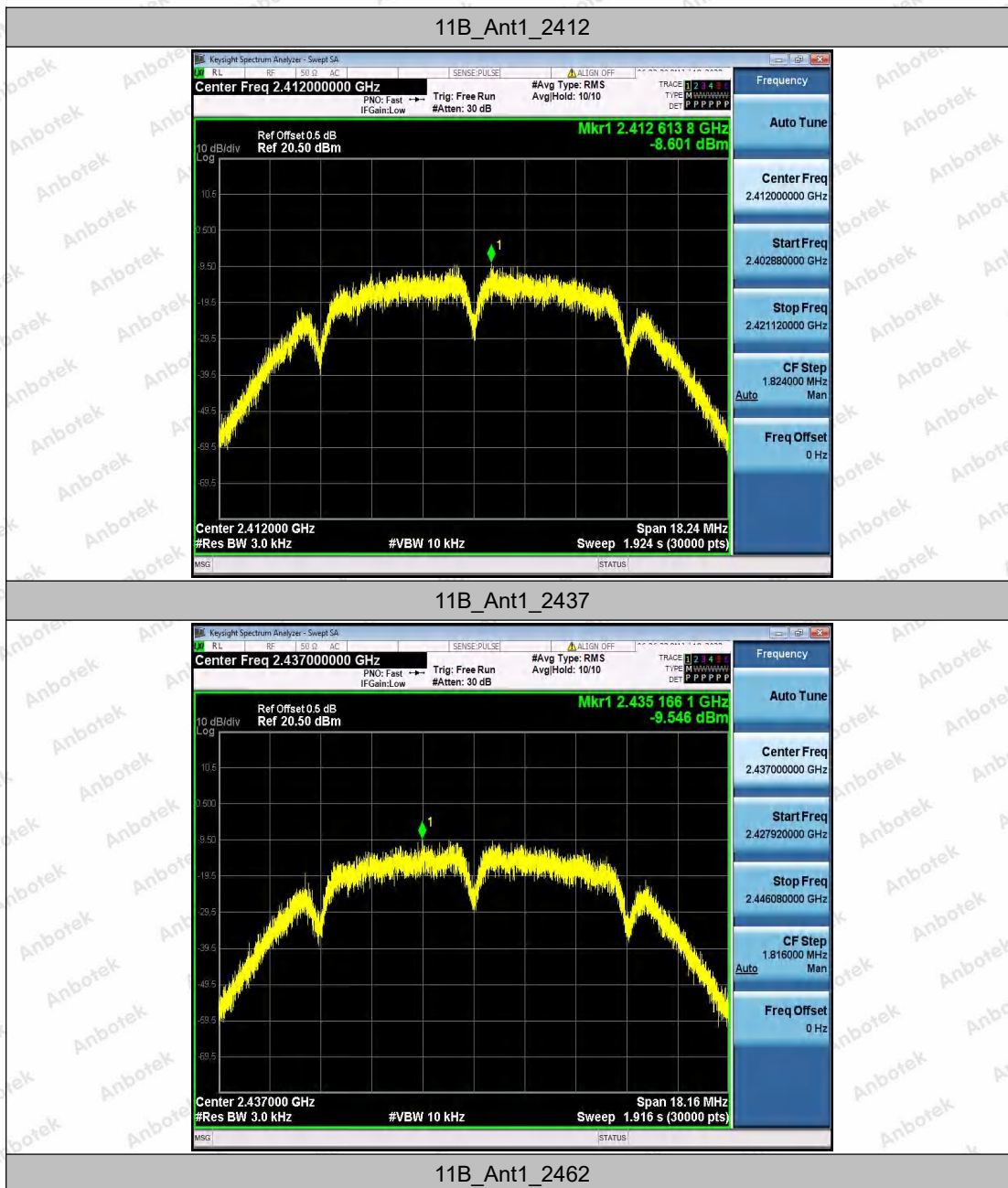
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.6	≤8	PASS
		2437	-9.55	≤8	PASS
		2462	-8.99	≤8	PASS
11G	Ant1	2412	-15.37	≤8	PASS
		2437	-15.56	≤8	PASS
		2462	-14.85	≤8	PASS
11N20	Ant1	2412	-14.74	≤8	PASS
		2437	-15.17	≤8	PASS
		2462	-15.67	≤8	PASS



Test Graphs



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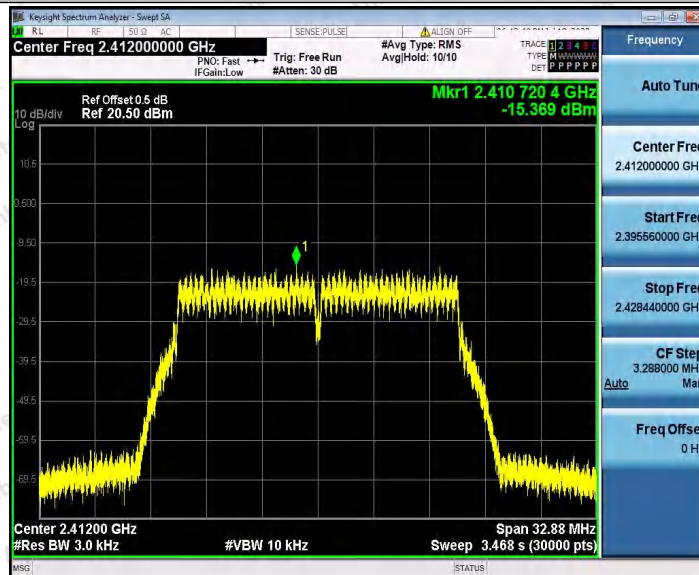


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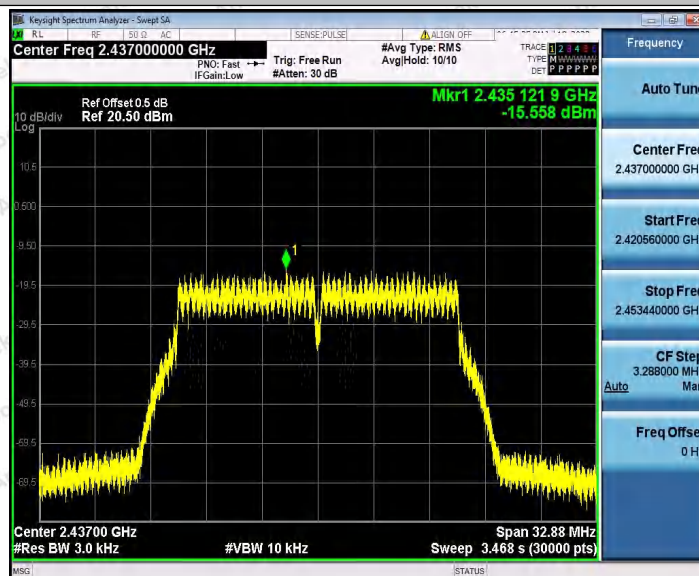




11G_Ant1_2412



11G_Ant1_2437



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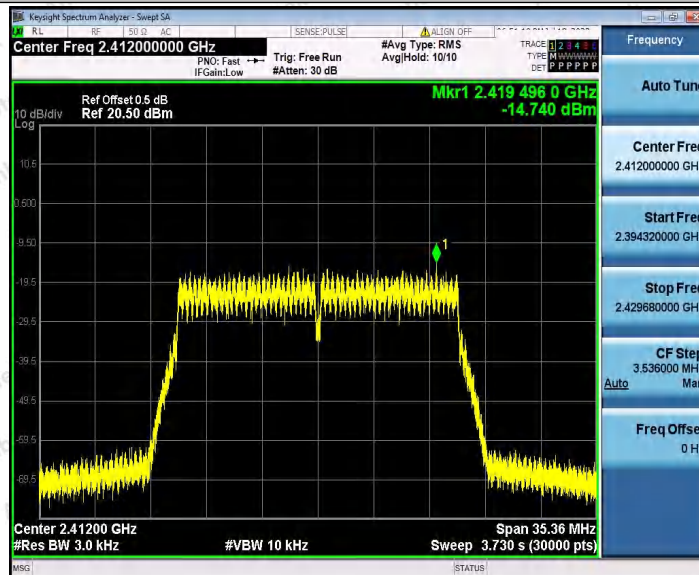
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

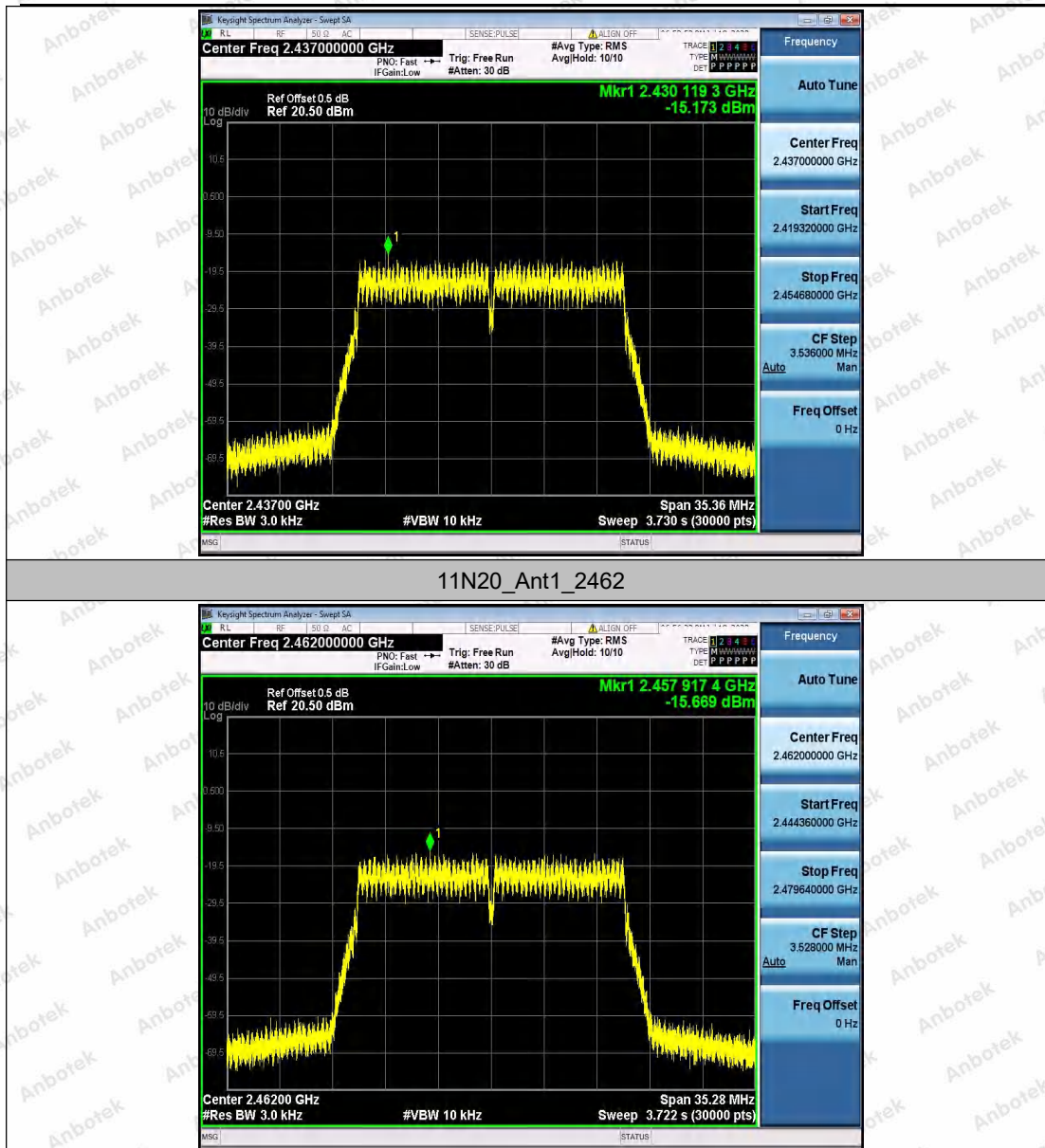
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Appendix E: Band edge measurements

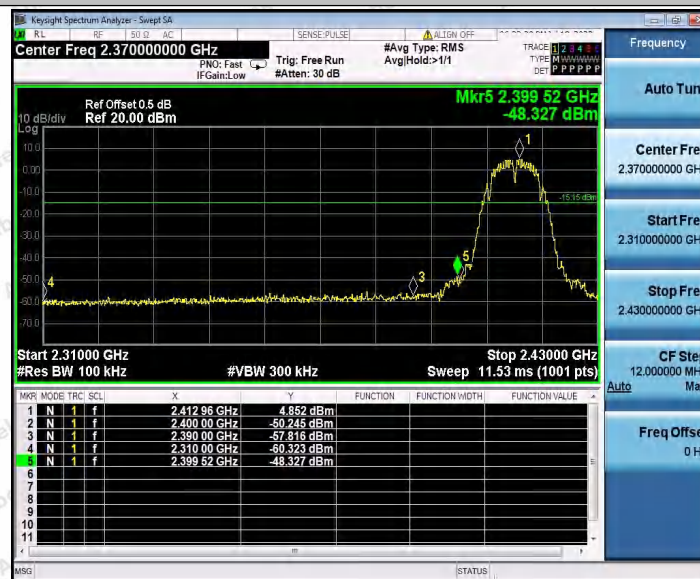
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.85	-48.33	≤-15.15	PASS
		High	2462	4.79	-55.55	≤-15.21	PASS
11G	Ant1	Low	2412	-1.77	-46.16	≤-21.77	PASS
		High	2462	-1.14	-52.2	≤-21.14	PASS
11N20	Ant1	Low	2412	-1.84	-45.24	≤-21.84	PASS
		High	2462	-1.11	-51.82	≤-21.11	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

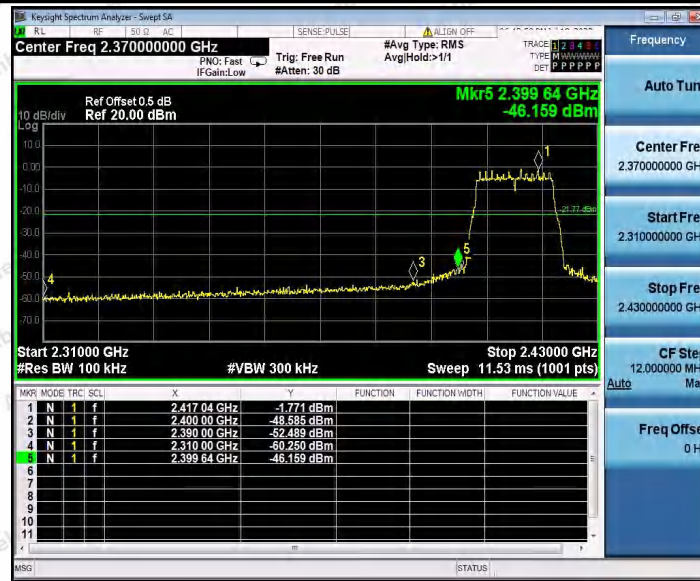
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11G_Ant1_High_2462



11N20_Ant1_Low_2412



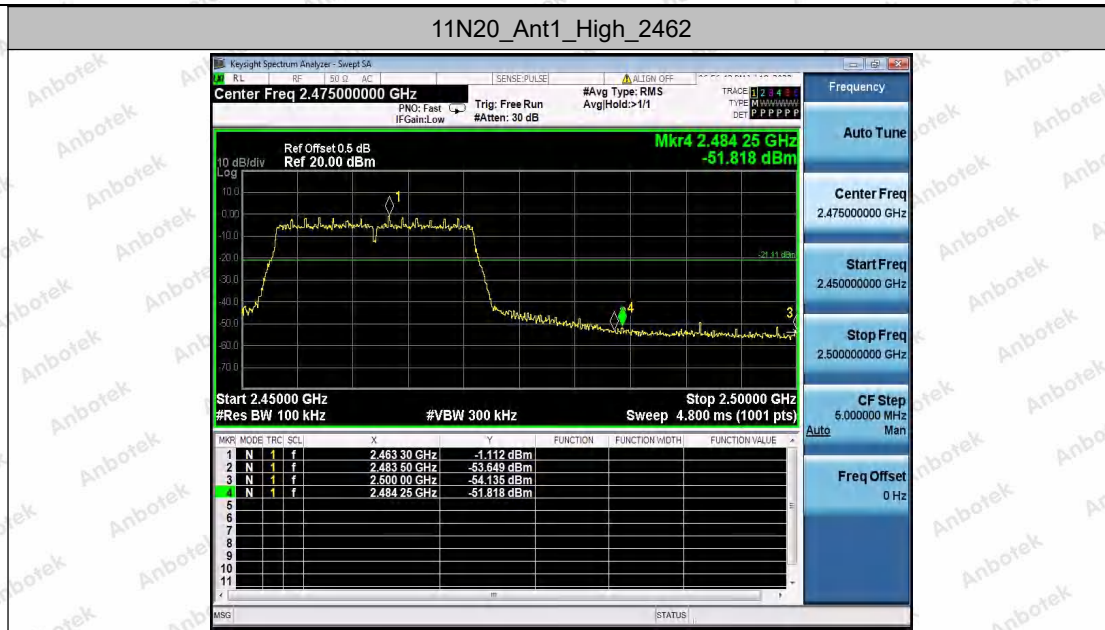
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-70.05	≤-15.78	PASS
			1000~26500	4.22	-54.38	≤-15.78	PASS
		2437	Reference	4.09	4.09	---	PASS
			30~1000	4.09	-68.81	≤-15.91	PASS
			1000~26500	4.09	-54.08	≤-15.91	PASS
		2462	Reference	4.64	4.64	---	PASS
			30~1000	4.64	-69.27	≤-15.36	PASS
			1000~26500	4.64	-53.92	≤-15.36	PASS
11G	Ant1	2412	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-70.1	≤-22.11	PASS
			1000~26500	-2.11	-53.44	≤-22.11	PASS
		2437	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-69.5	≤-21.39	PASS
			1000~26500	-1.39	-54.49	≤-21.39	PASS
		2462	Reference	-1.63	-1.63	---	PASS
			30~1000	-1.63	-70.33	≤-21.63	PASS
			1000~26500	-1.63	-54.28	≤-21.63	PASS
11N20	Ant1	2412	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-70.33	≤-21.29	PASS
			1000~26500	-1.29	-54.74	≤-21.29	PASS
		2437	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-69.7	≤-21.93	PASS
			1000~26500	-1.93	-54.93	≤-21.93	PASS
		2462	Reference	-1.56	-1.56	---	PASS
			30~1000	-1.56	-69.95	≤-21.56	PASS
			1000~26500	-1.56	-54.39	≤-21.56	PASS

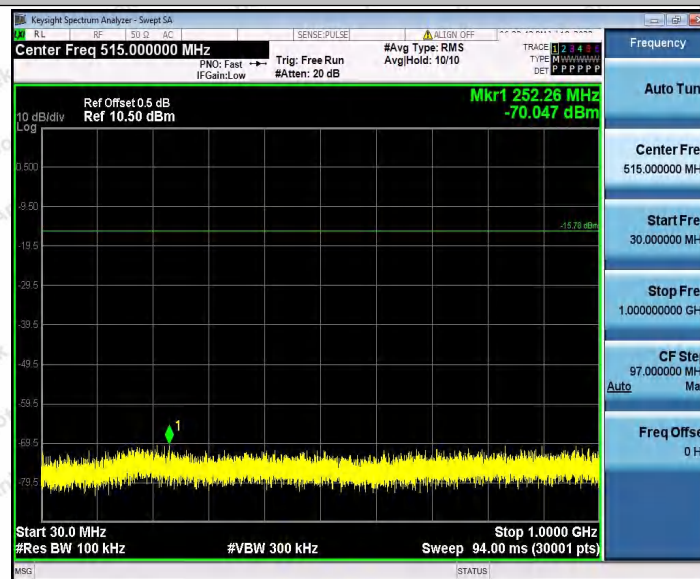


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

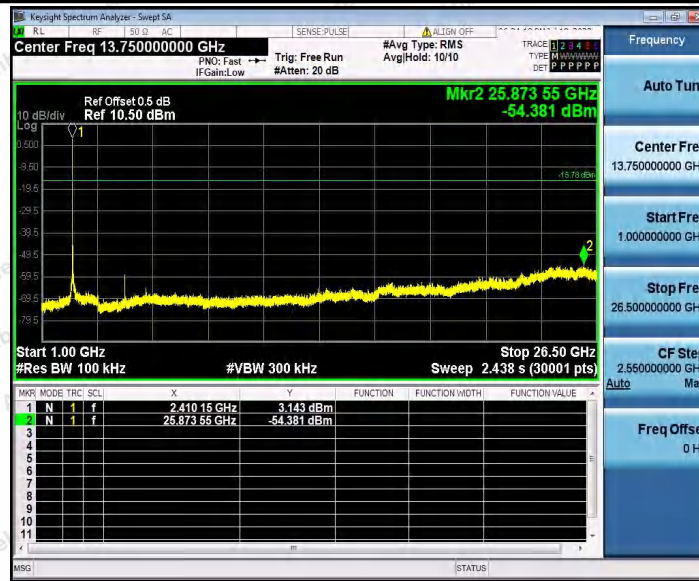
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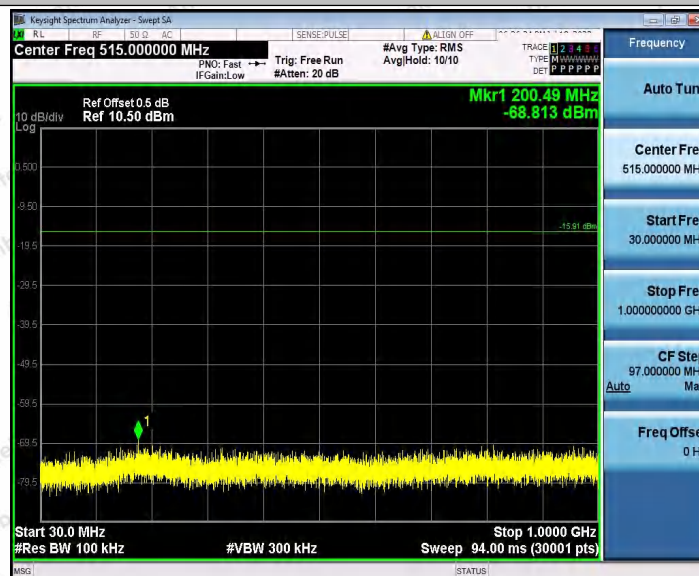




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

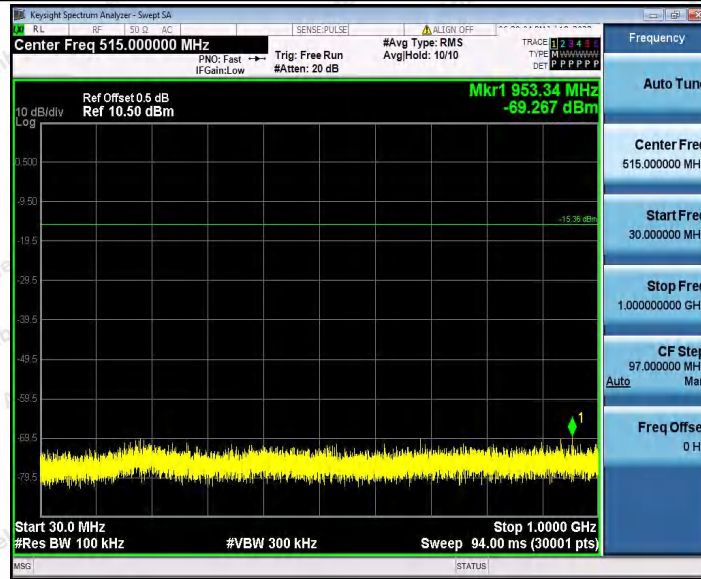
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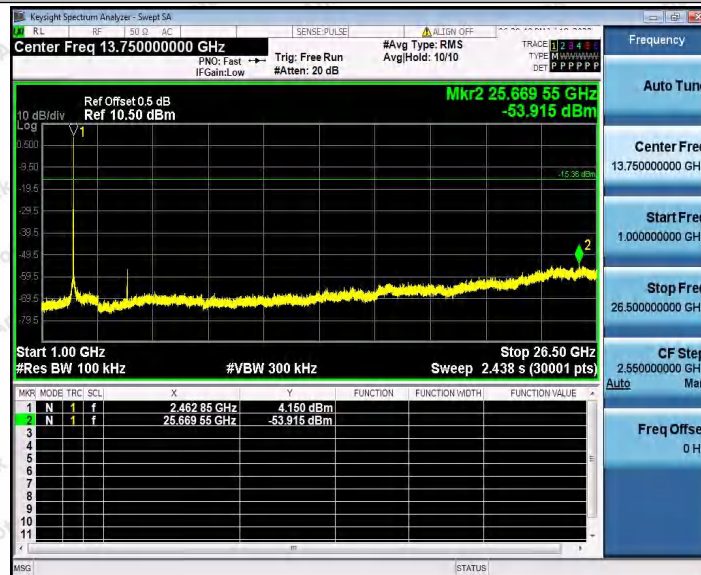


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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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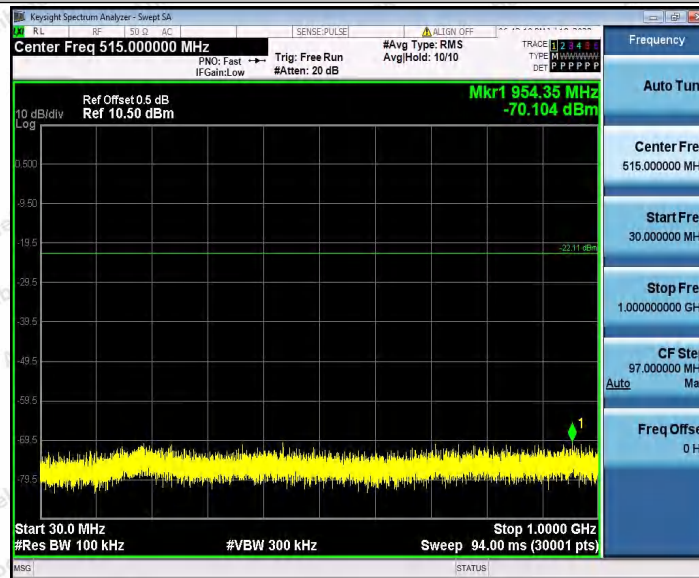
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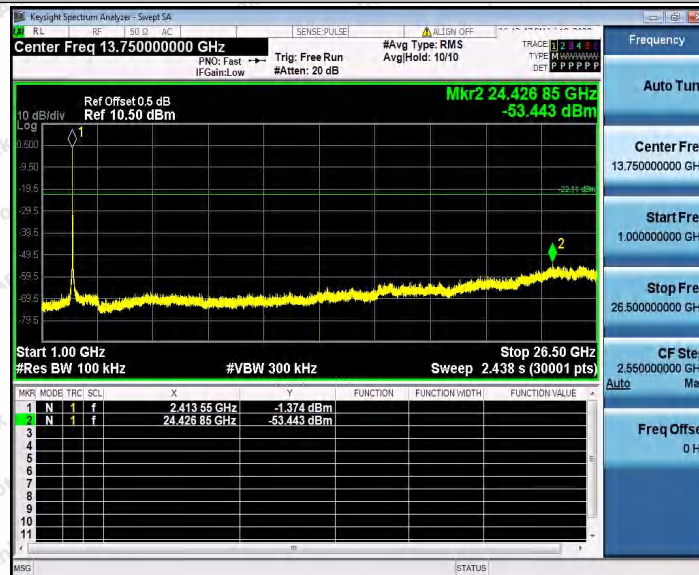
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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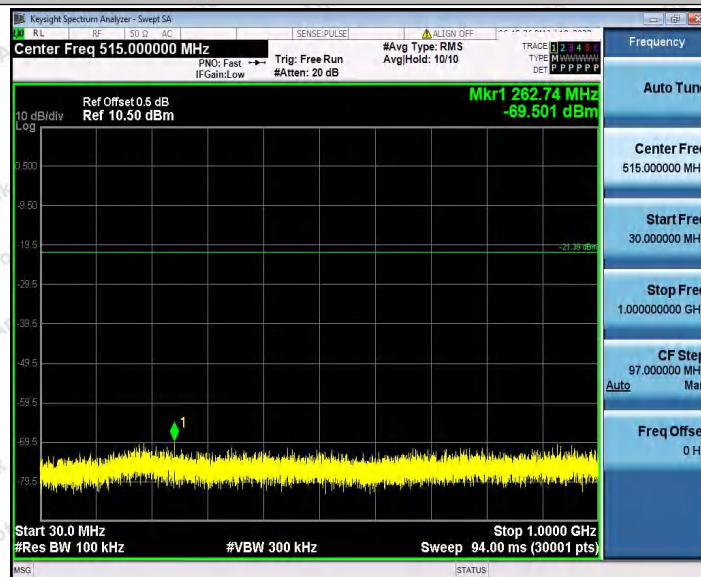


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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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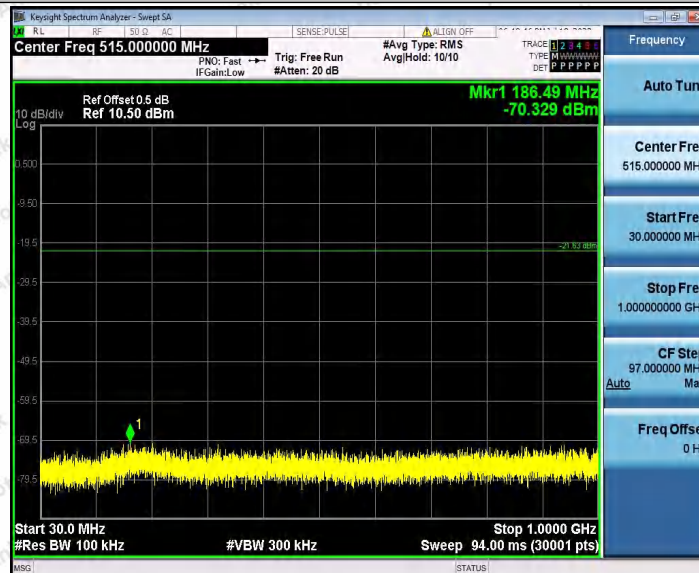
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

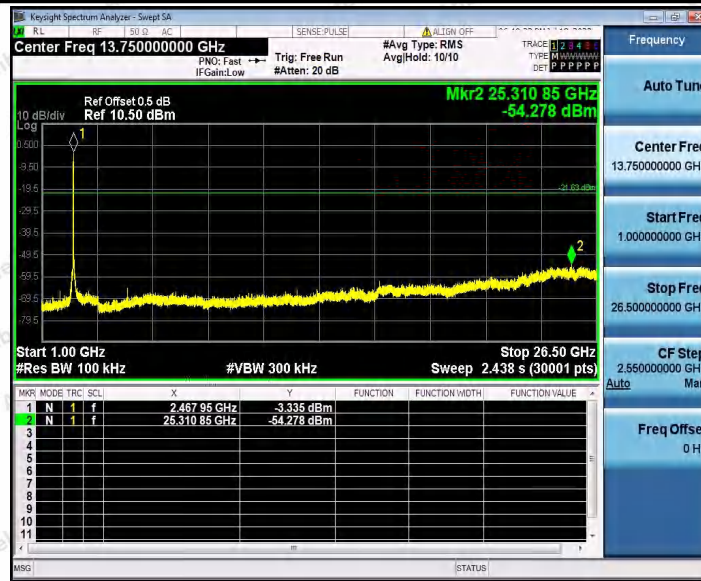
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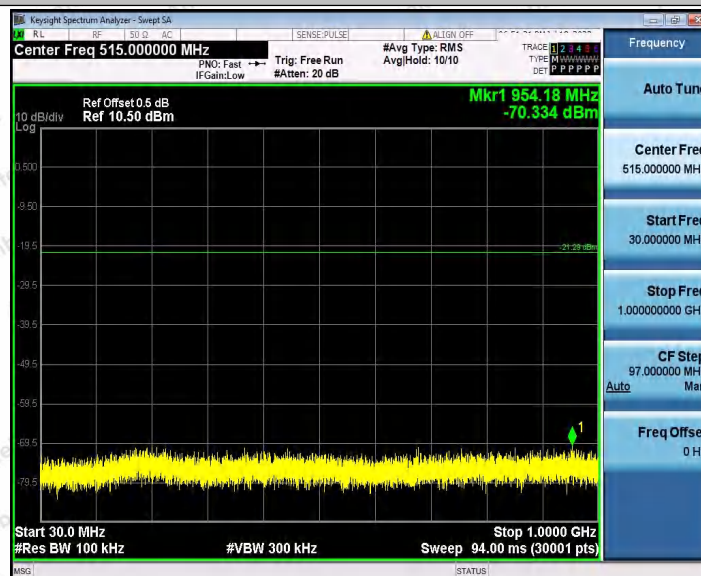




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11N20_Ant1_2412_30~1000



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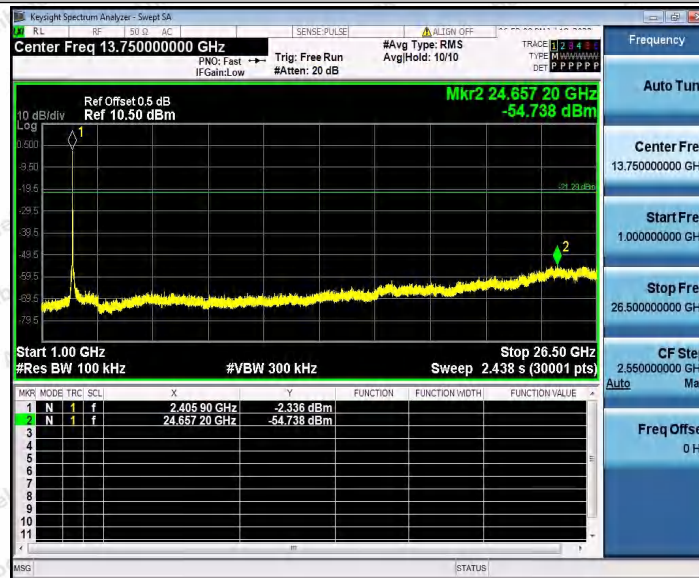
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000

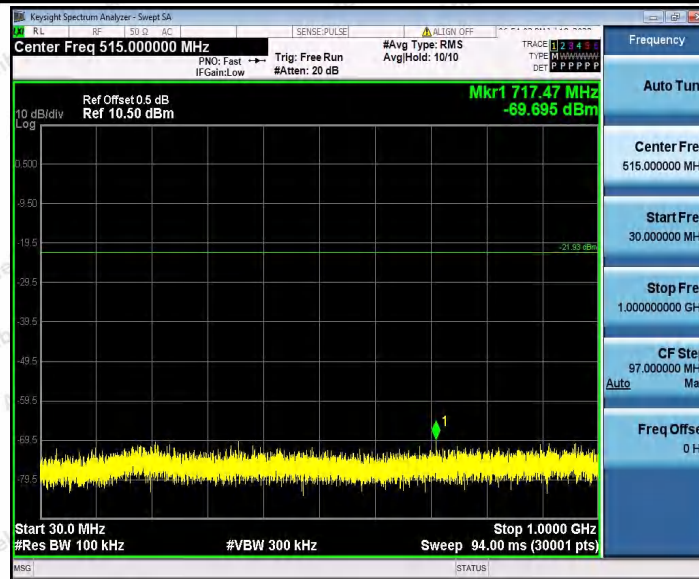
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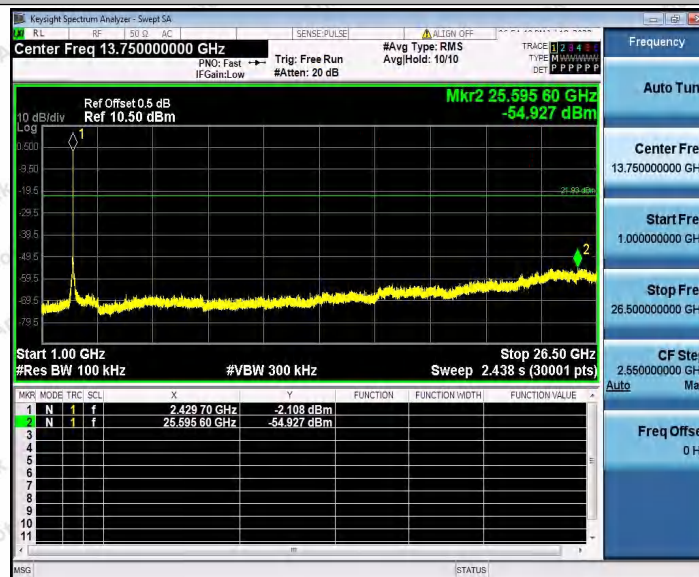


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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference



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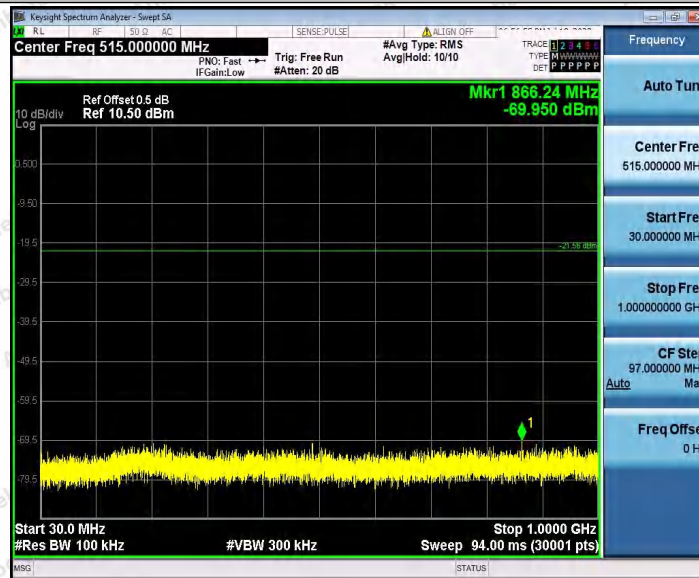
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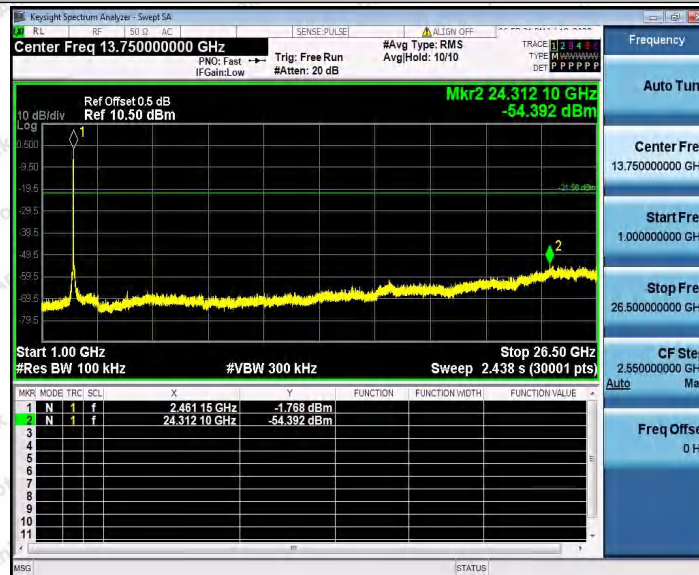
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11N20_Ant1_2462_30~1000



11N20_Ant1_2462_1000~26500



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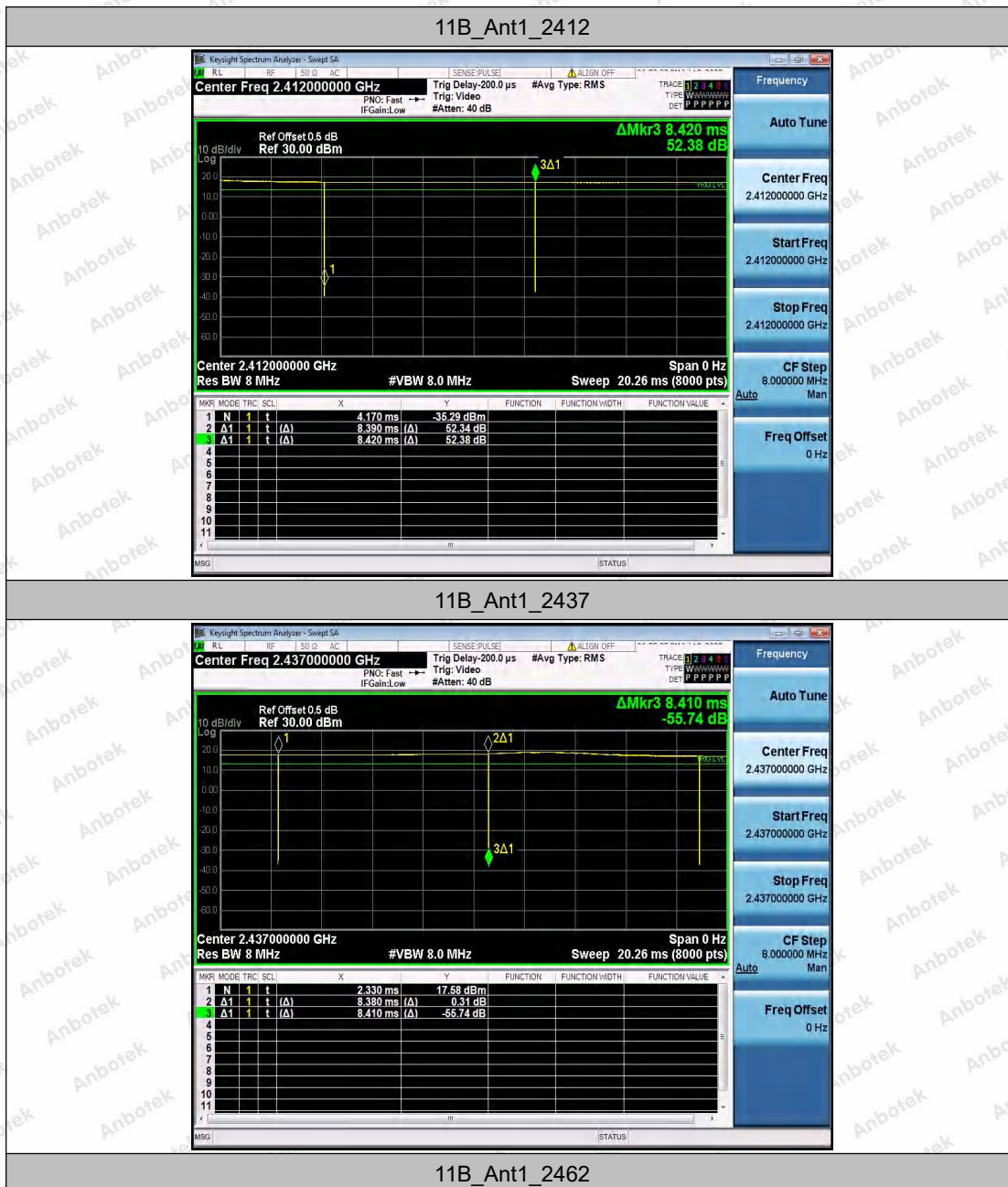
Appendix G: Duty Cycle

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	8.38	8.41	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.40	1.43	97.90	---	PASS
		2462	1.39	1.42	97.89	---	PASS
11N20	Ant1	2412	1.30	1.33	97.74	---	PASS
		2437	1.30	1.33	97.74	---	PASS
		2462	1.30	1.36	95.59	---	PASS



Test Graphs



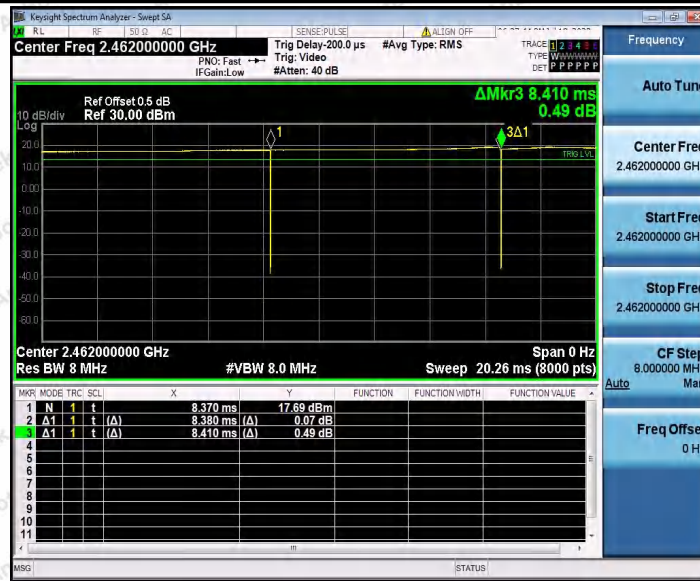
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

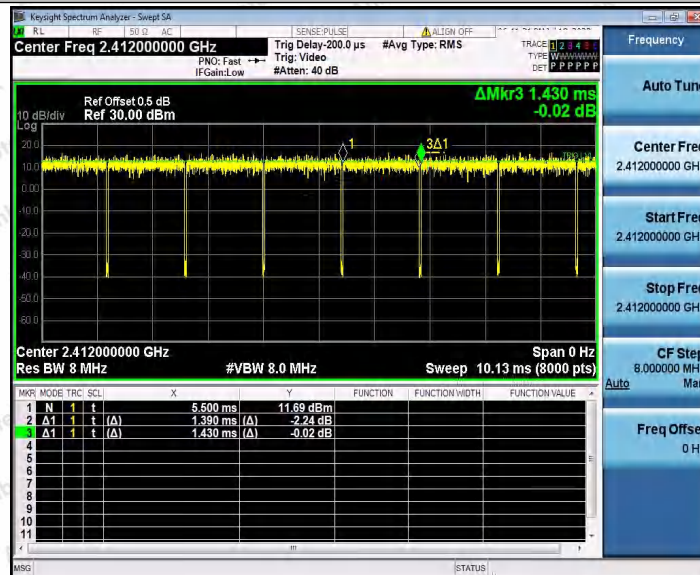


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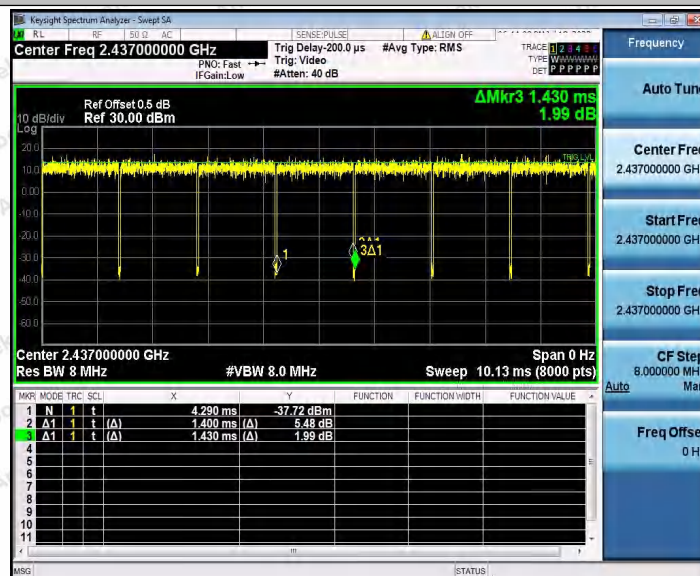




11G_Ant1_2412



11G_Ant1_2437



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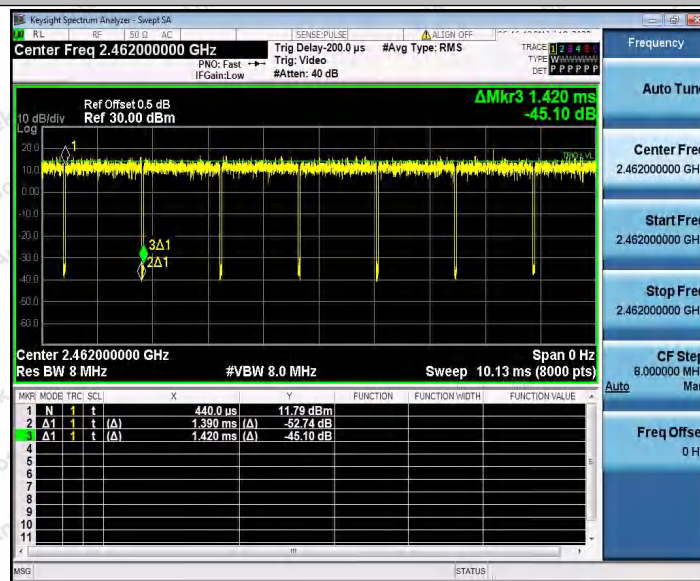
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



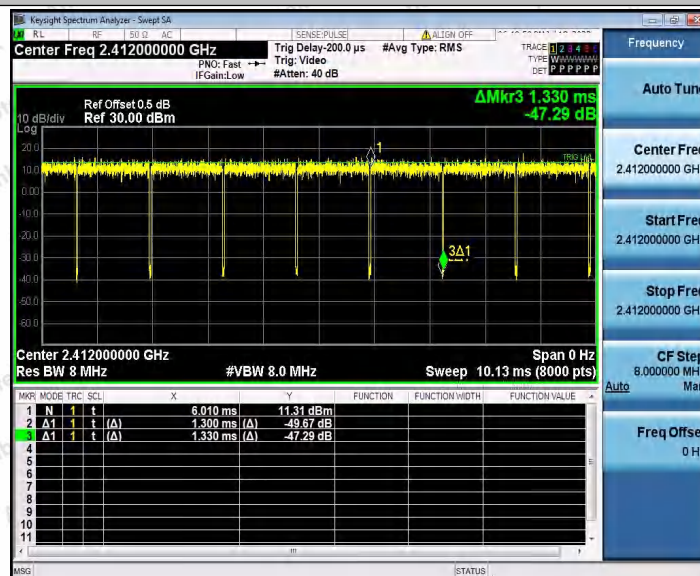
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

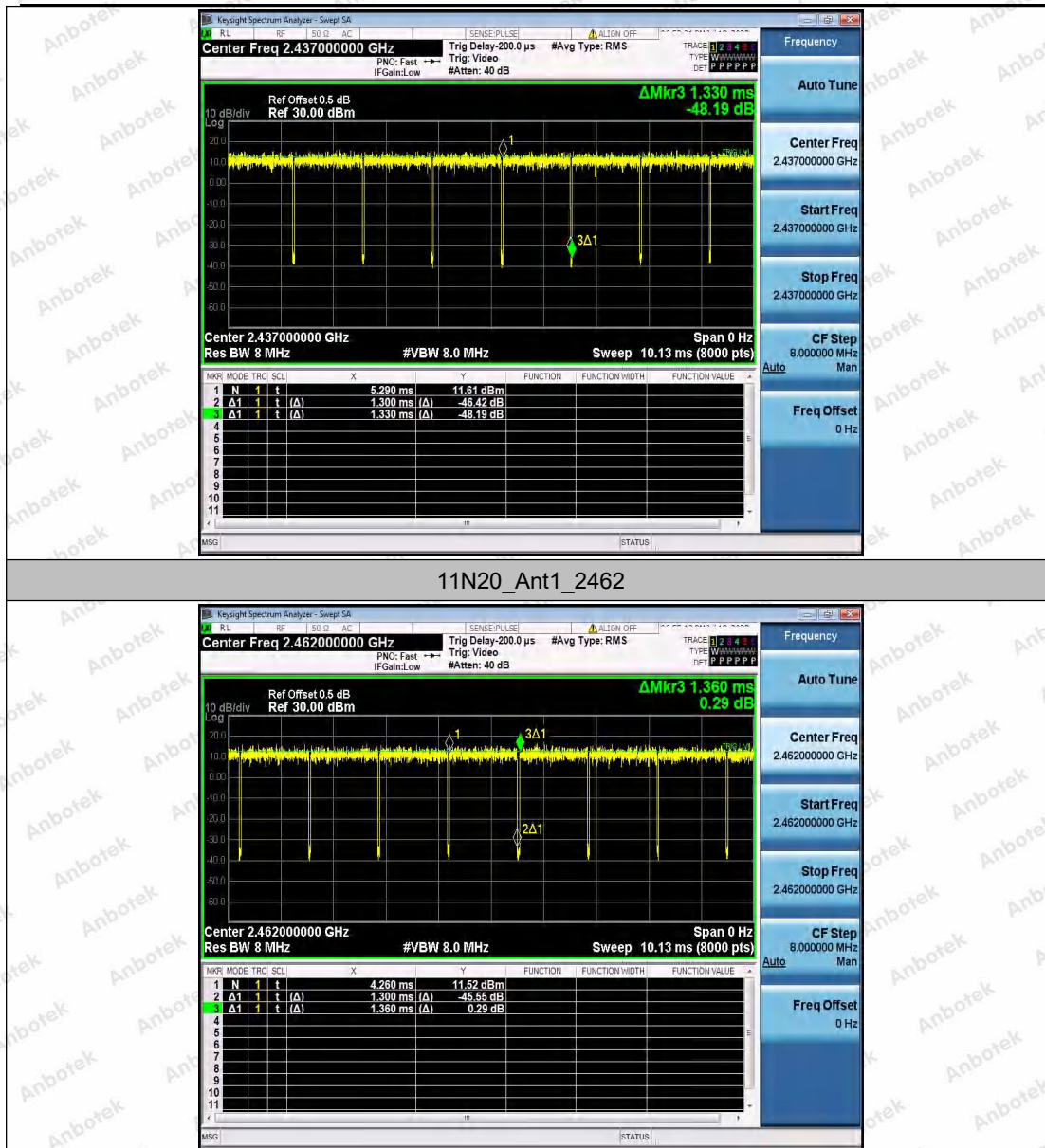
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---End---

