

Appendix Test Data

Report No.:	18220WC20151201	Test Sample No.:	1-2-2
Start Test Date:	2022.7.8	Finish Test Date:	2022.7.18
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	21.7℃	Relative Humidity:	53.5%
Pressure:	1012 hPa		

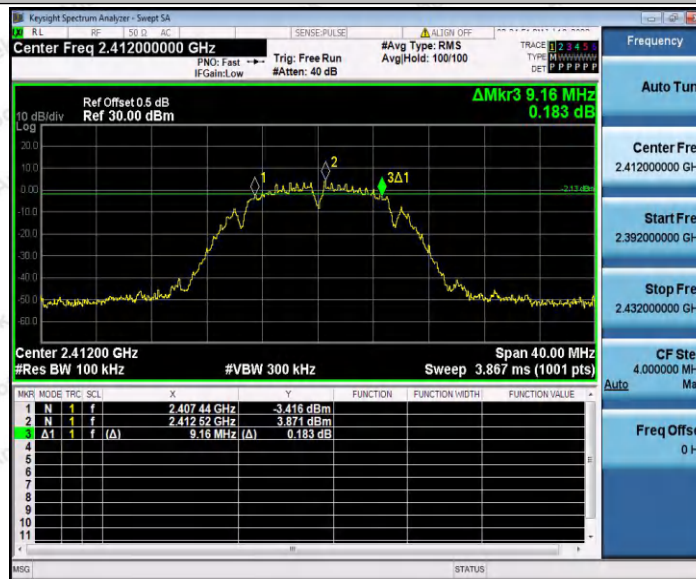
Appendix A: DTS Bandwidth

Test Result

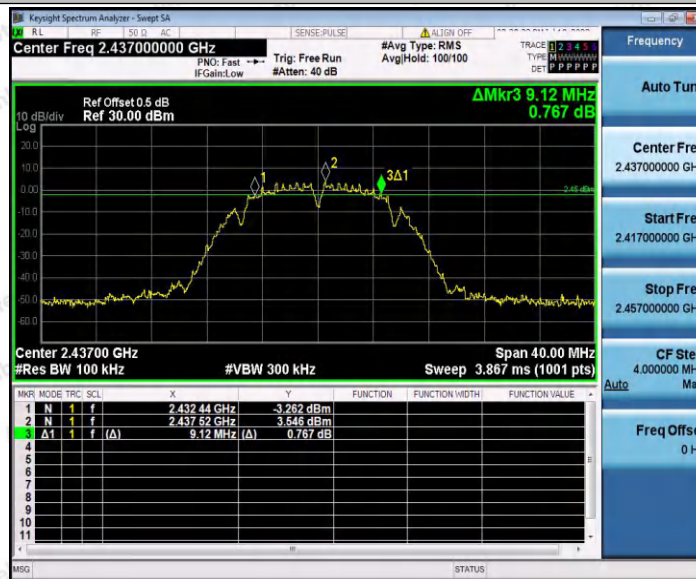
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.160	2407.440	2416.600	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	9.200	2457.400	2466.600	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.400	2428.800	2445.200	≥0.5	PASS
		2462	16.440	2453.760	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.680	2428.160	2445.840	≥0.5	PASS
		2462	17.680	2453.160	2470.840	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



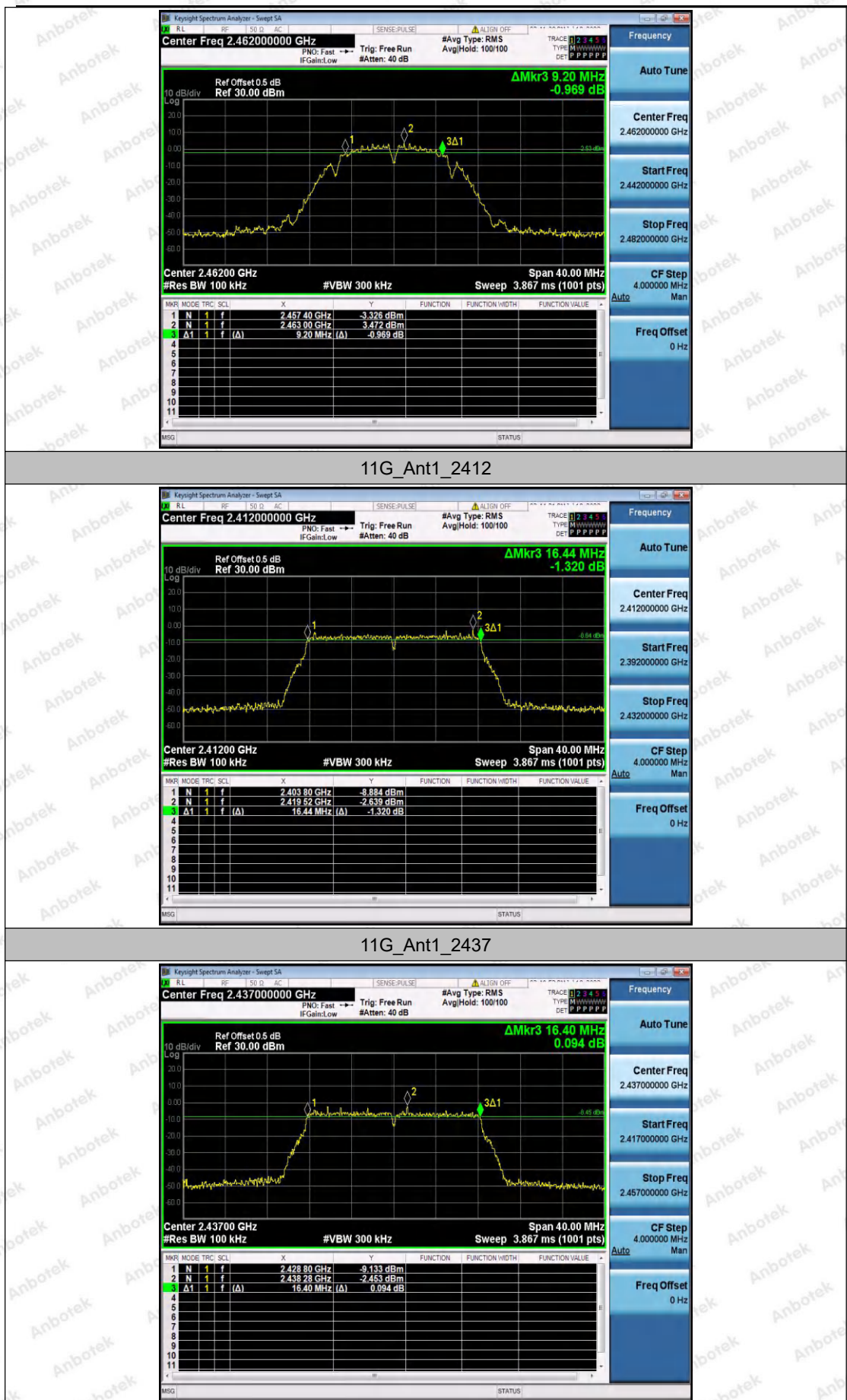
11B_Ant1_2462

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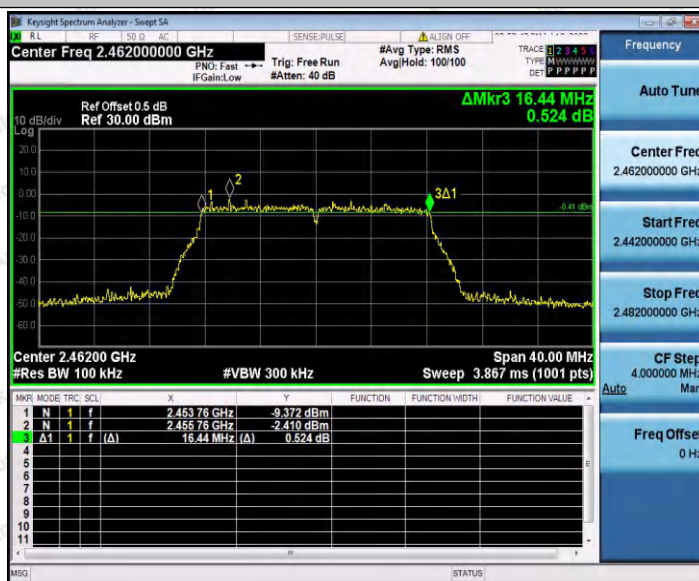
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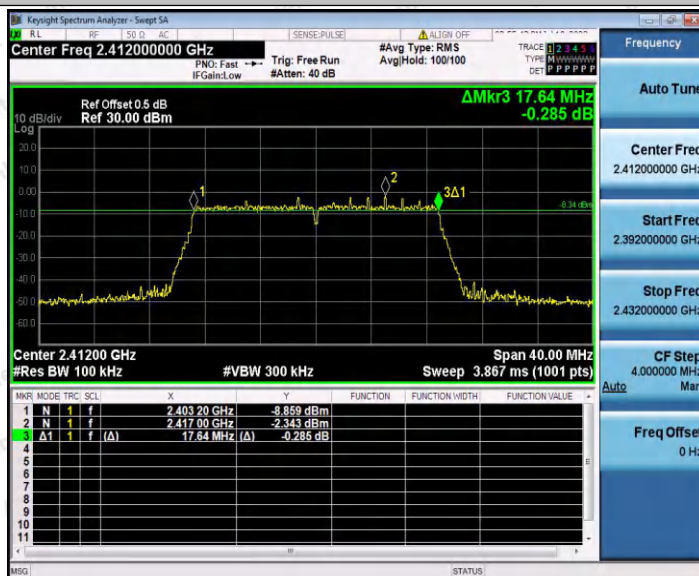
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11G_Ant1_2462



11N20_Ant1_2412



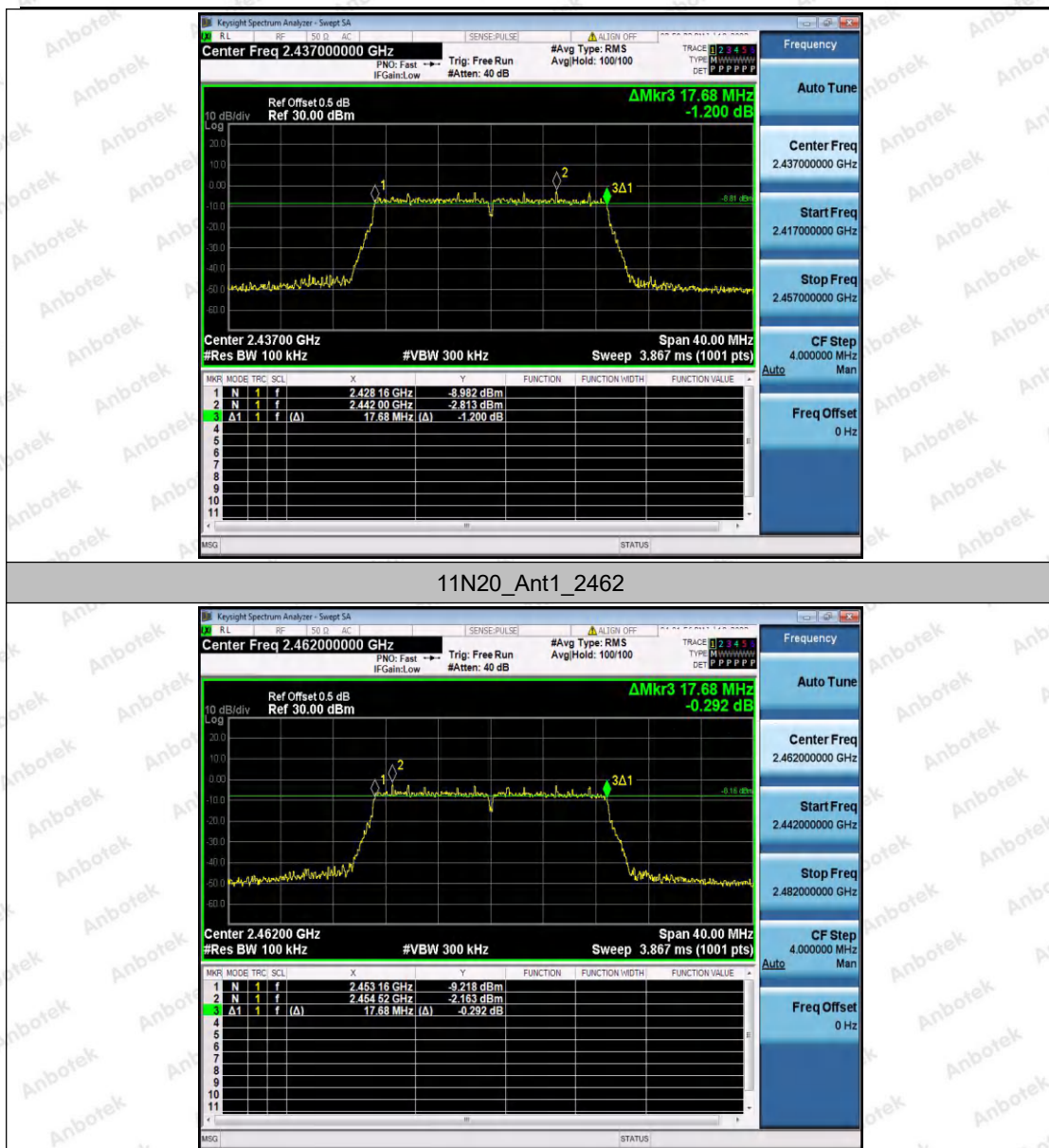
11N20_Ant1_2437

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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	12.287	2405.914	2418.201	---	PASS
		2437	12.276	2430.863	2443.139	---	PASS
		2462	12.331	2455.825	2468.156	---	PASS
11G	Ant1	2412	17.069	2403.492	2420.561	---	PASS
		2437	16.984	2428.497	2445.481	---	PASS
		2462	17.148	2453.425	2470.573	---	PASS
11N20	Ant1	2412	17.975	2403.066	2421.041	---	PASS
		2437	17.994	2428.008	2446.002	---	PASS
		2462	17.951	2453.031	2470.982	---	PASS

Test Graphs



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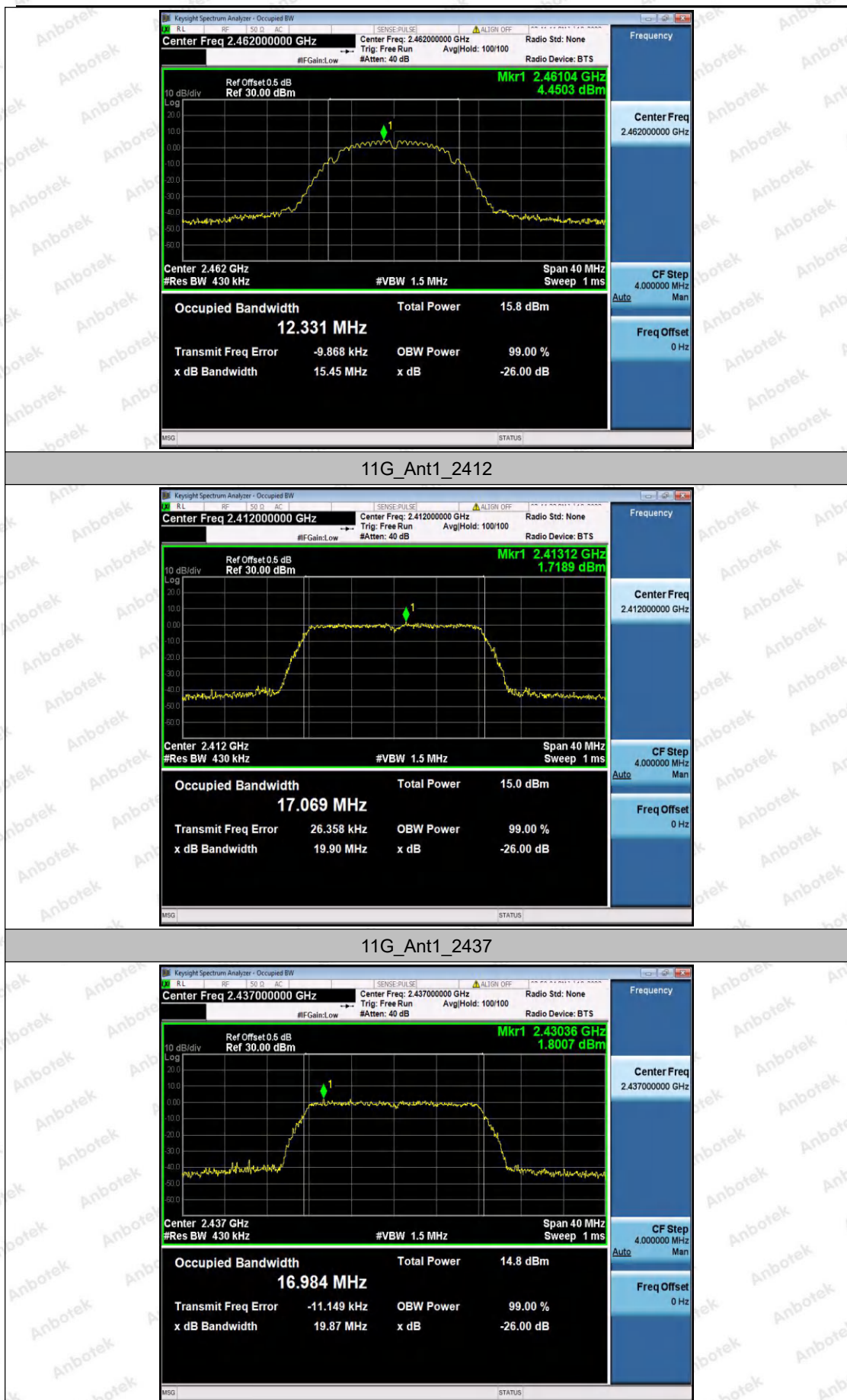
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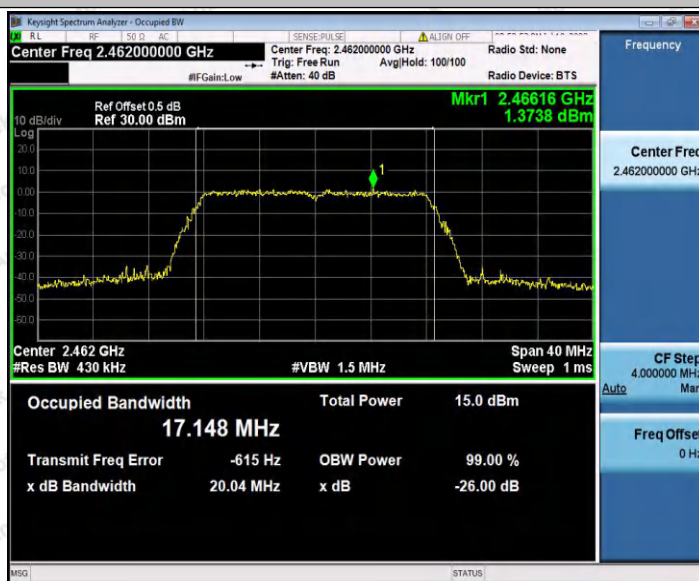
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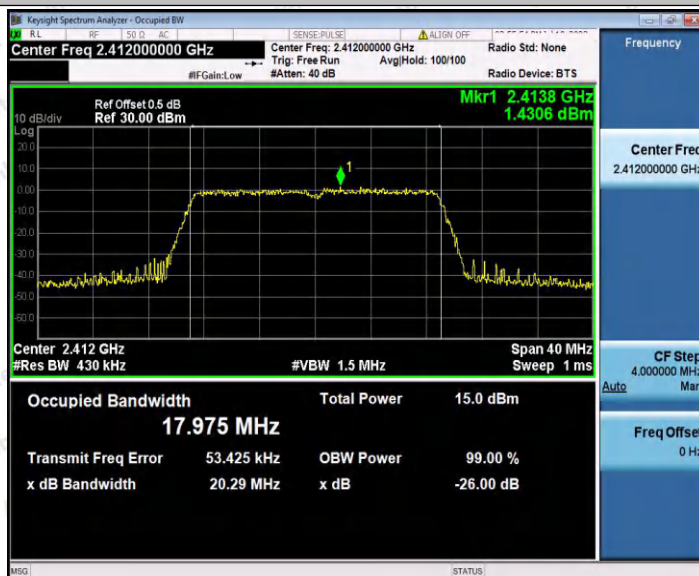
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11G_Ant1_2462



11N20_Ant1_2412



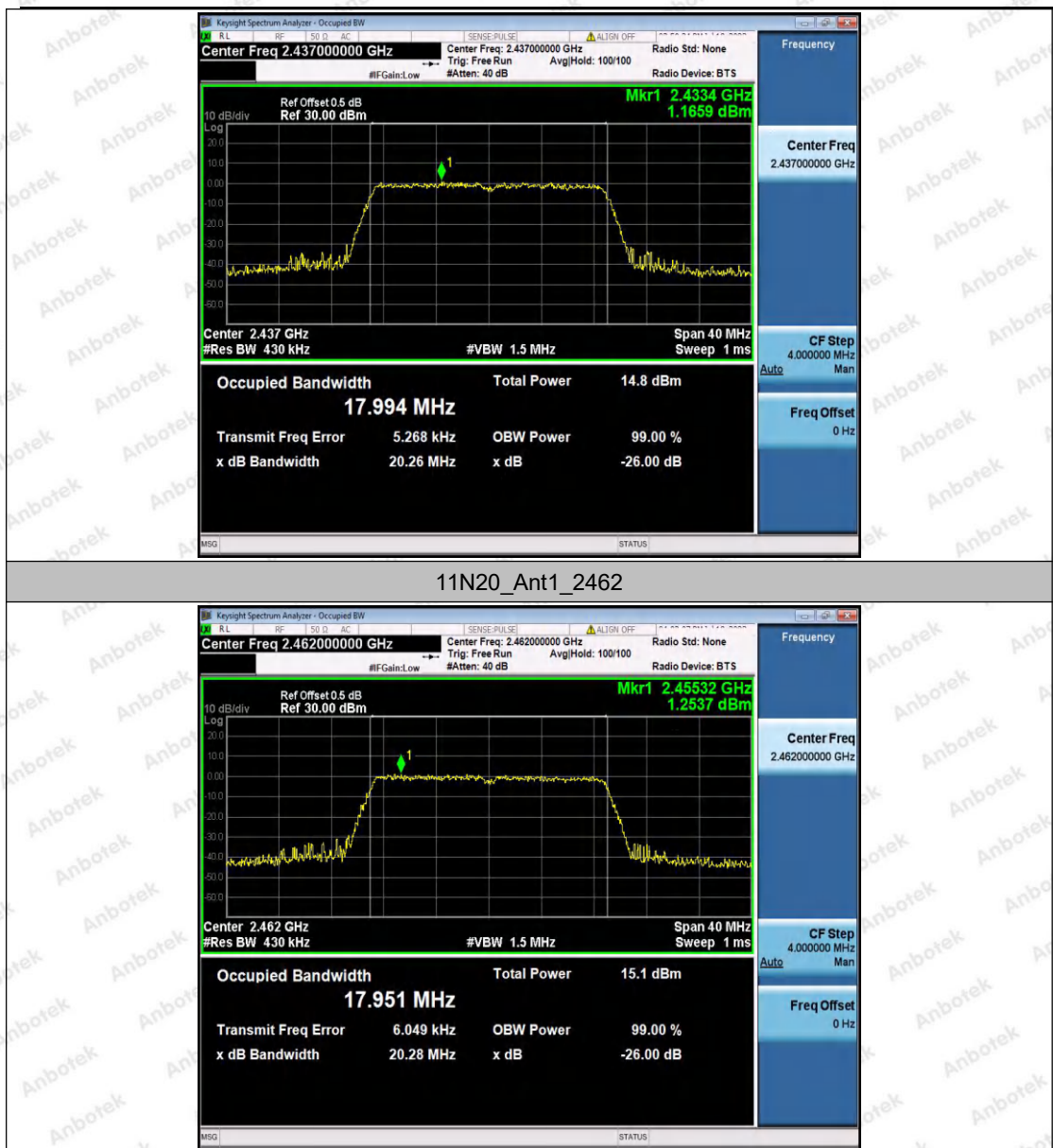
11N20_Ant1_2437

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Appendix C: Maximum conducted output power

Test Result

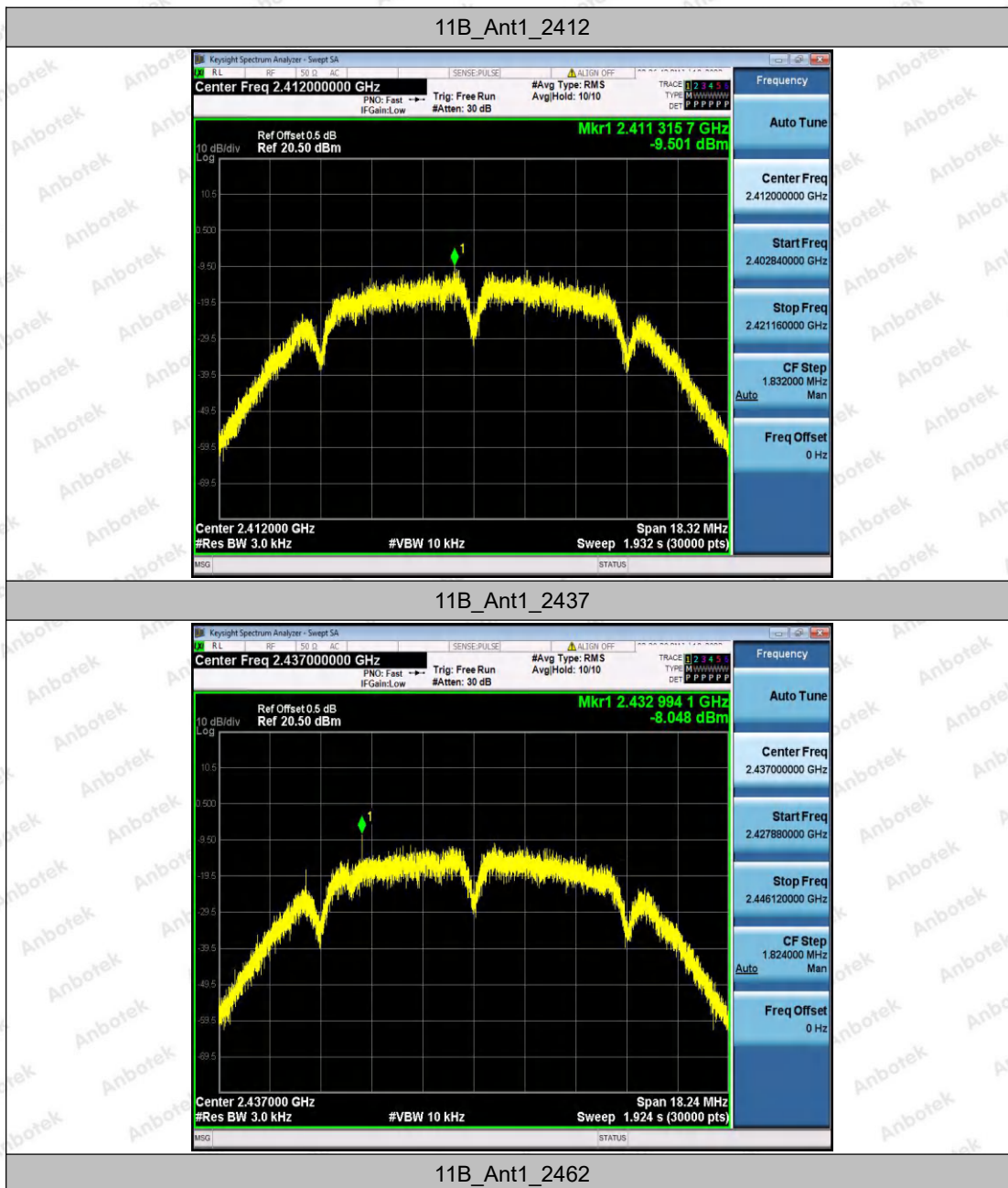
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.43	≤30	PASS
		2437	15.91	≤30	PASS
		2462	15.89	≤30	PASS
11G	Ant1	2412	16.17	≤30	PASS
		2437	15.96	≤30	PASS
		2462	16.12	≤30	PASS
11N20	Ant1	2412	16.18	≤30	PASS
		2437	15.97	≤30	PASS
		2462	16.12	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.5	≤8	PASS
		2437	-8.05	≤8	PASS
		2462	-9.25	≤8	PASS
11G	Ant1	2412	-14.37	≤8	PASS
		2437	-15.05	≤8	PASS
		2462	-15.76	≤8	PASS
11N20	Ant1	2412	-16.45	≤8	PASS
		2437	-15.41	≤8	PASS
		2462	-16.71	≤8	PASS

Test Graphs

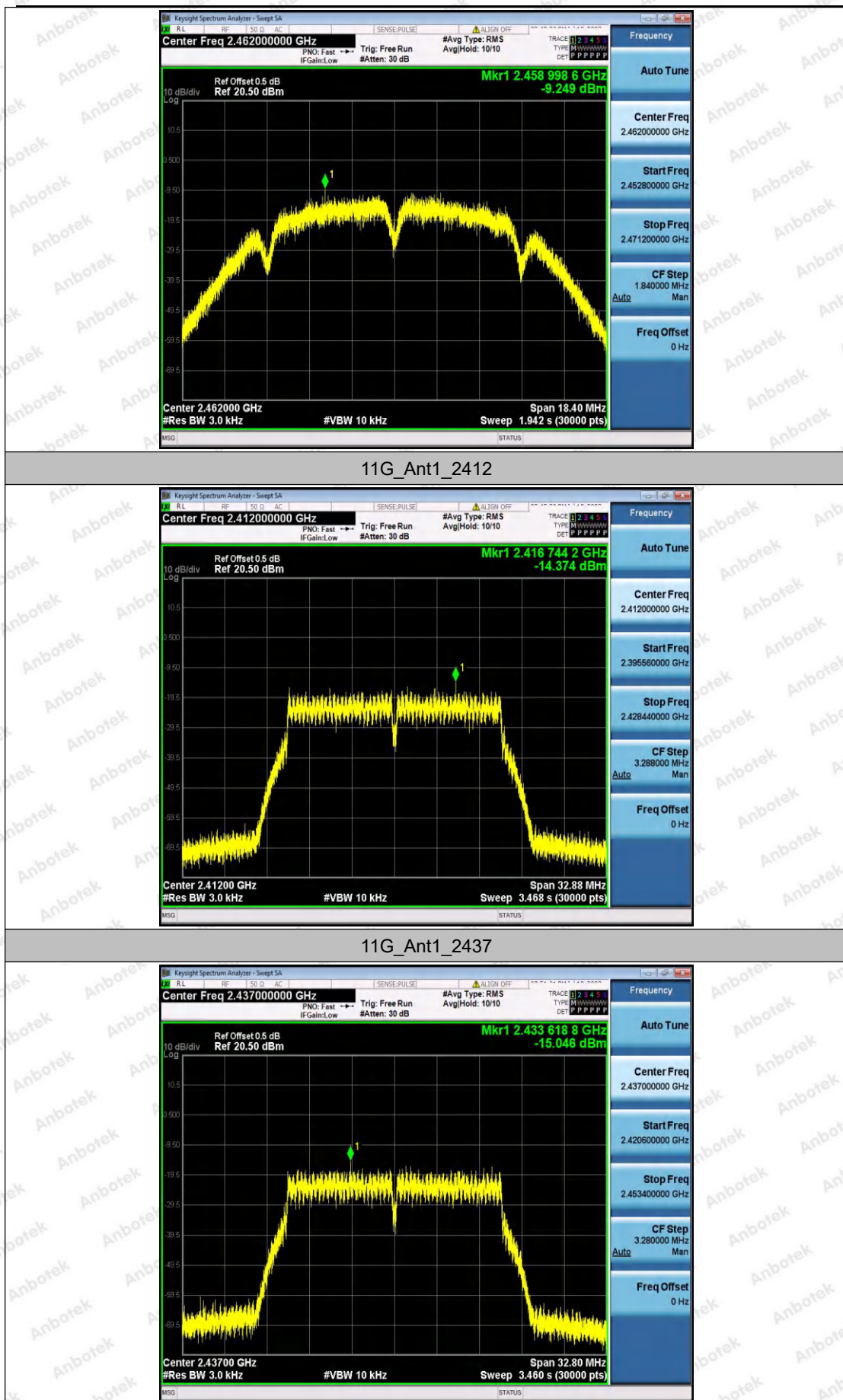


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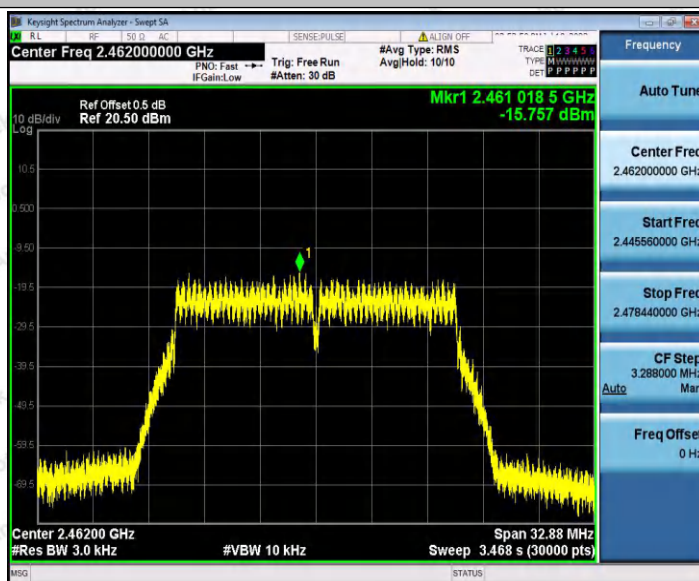
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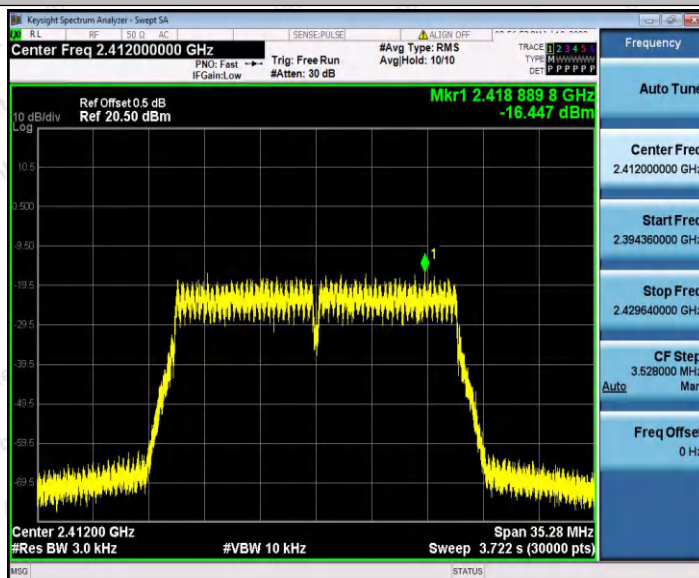
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11G_Ant1_2462



11N20_Ant1_2412



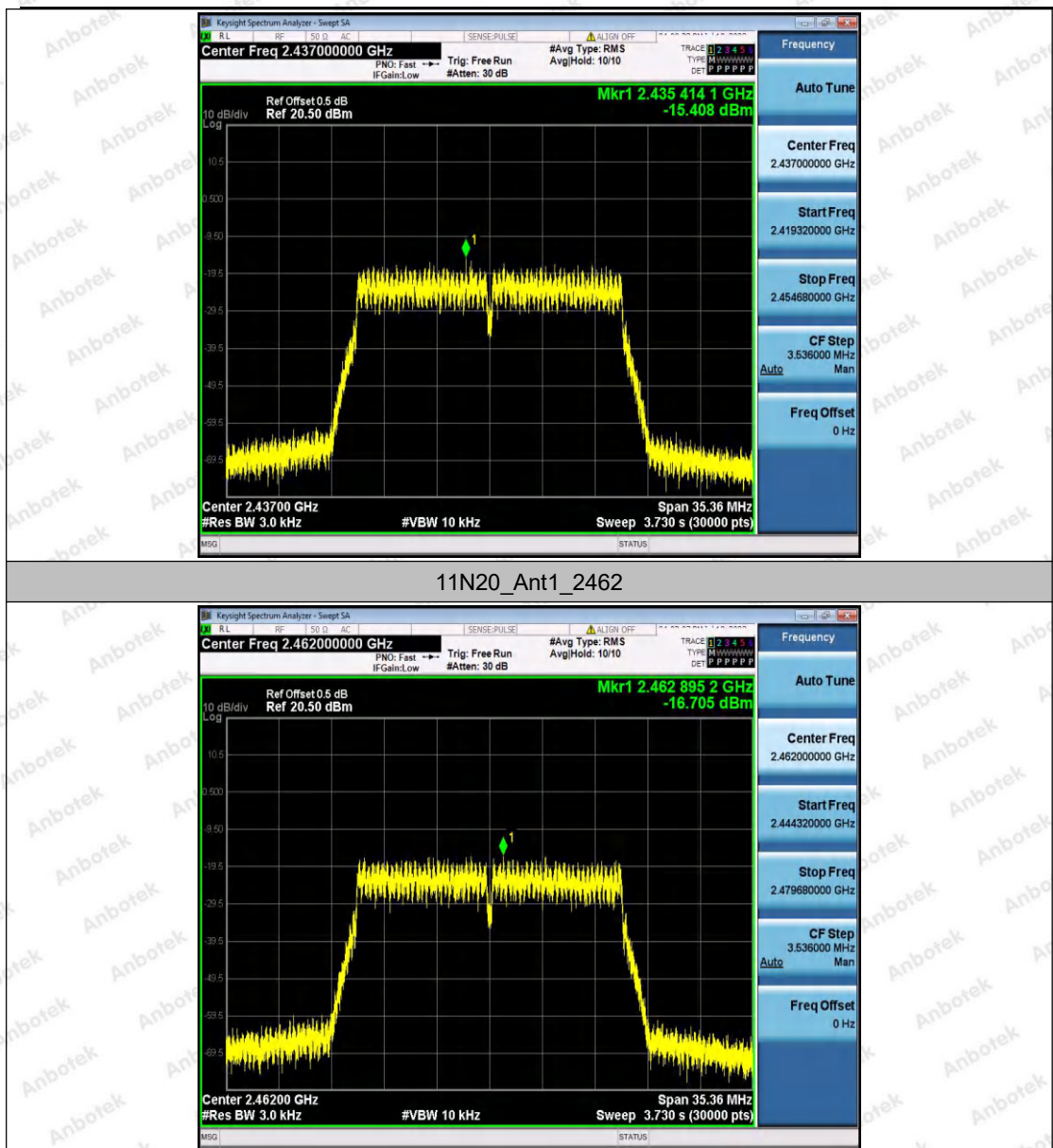
11N20_Ant1_2437

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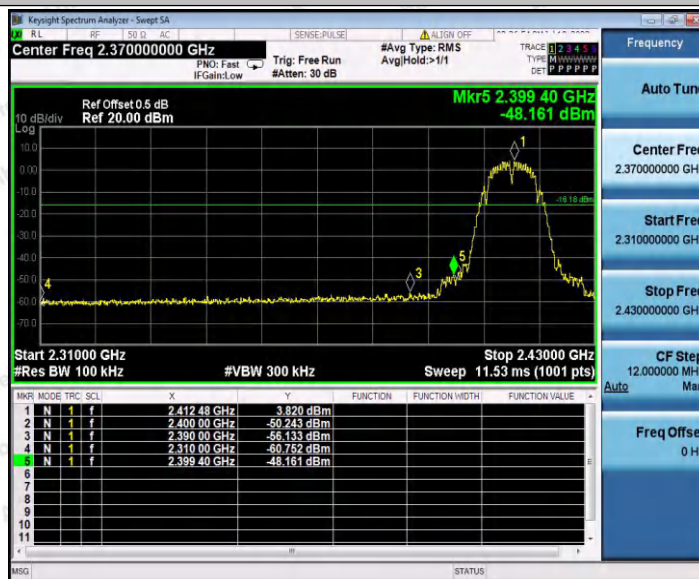
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.82	-48.16	≤ -16.18	PASS
		High	2462	4.08	-56.66	≤ -15.93	PASS
11G	Ant1	Low	2412	-2.33	-45.61	≤ -22.33	PASS
		High	2462	-1.97	-44.58	≤ -21.97	PASS
11N20	Ant1	Low	2412	-2.72	-46.39	≤ -22.72	PASS
		High	2462	-2.16	-53.8	≤ -22.16	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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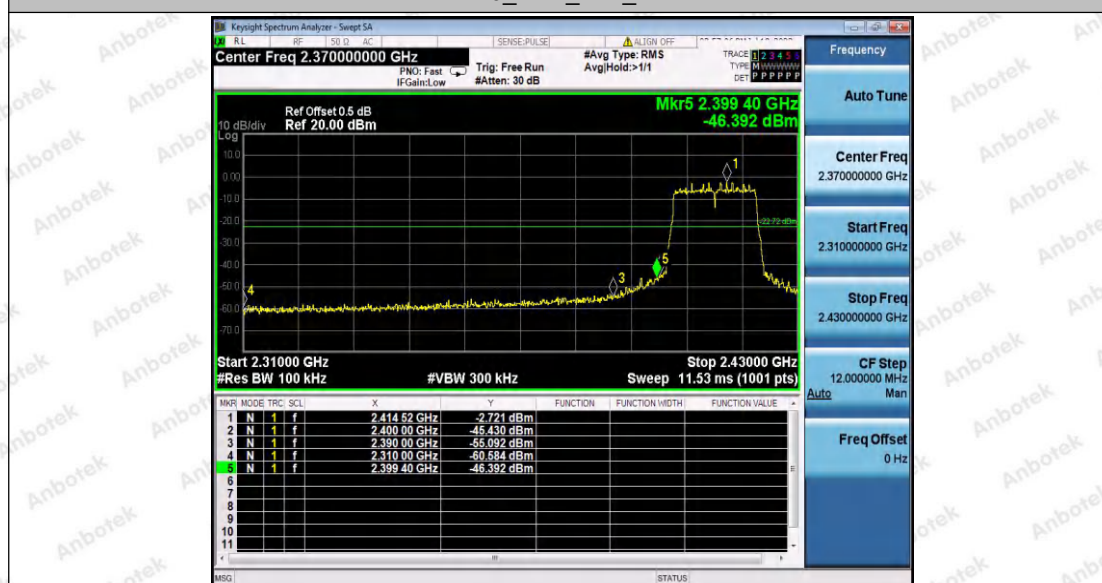
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11G_Ant1_High_2462



11N20_Ant1_Low_2412

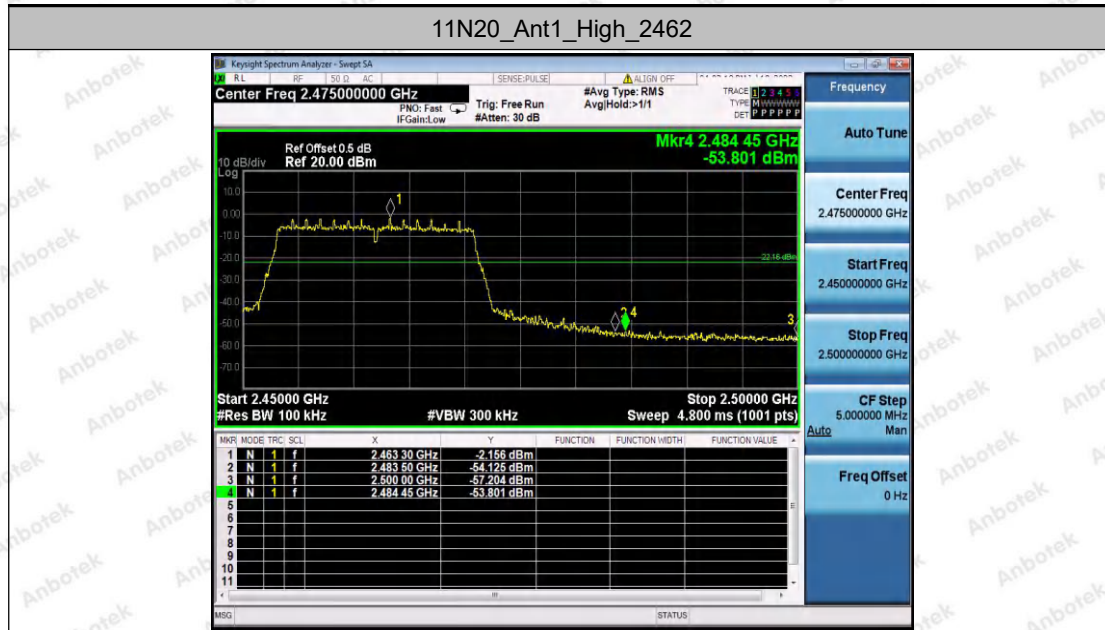


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Appendix F: Conducted Spurious Emission

Test Result

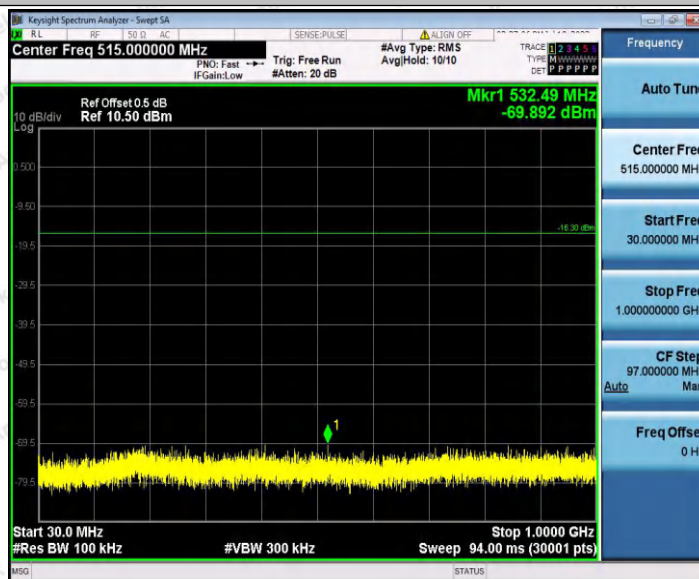
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.70	3.70	---	PASS
			30~1000	3.70	-69.89	≤-16.3	PASS
			1000~26500	3.70	-53.71	≤-16.3	PASS
		2437	Reference	3.63	3.63	---	PASS
			30~1000	3.63	-69.87	≤-16.37	PASS
			1000~26500	3.63	-54.59	≤-16.37	PASS
		2462	Reference	3.72	3.72	---	PASS
			30~1000	3.72	-70.16	≤-16.28	PASS
			1000~26500	3.72	-54.31	≤-16.28	PASS
11G	Ant1	2412	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-70.15	≤-22.37	PASS
			1000~26500	-2.37	-54.7	≤-22.37	PASS
		2437	Reference	-2.41	-2.41	---	PASS
			30~1000	-2.41	-69.65	≤-22.41	PASS
			1000~26500	-2.41	-54.48	≤-22.41	PASS
		2462	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-68.83	≤-22.71	PASS
			1000~26500	-2.71	-54.3	≤-22.71	PASS
11N20	Ant1	2412	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-69.71	≤-22.01	PASS
			1000~26500	-2.01	-53.81	≤-22.01	PASS
		2437	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-69.73	≤-22.46	PASS
			1000~26500	-2.46	-54.53	≤-22.46	PASS
		2462	Reference	-2.43	-2.43	---	PASS
			30~1000	-2.43	-69.62	≤-22.43	PASS
			1000~26500	-2.43	-54.2	≤-22.43	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



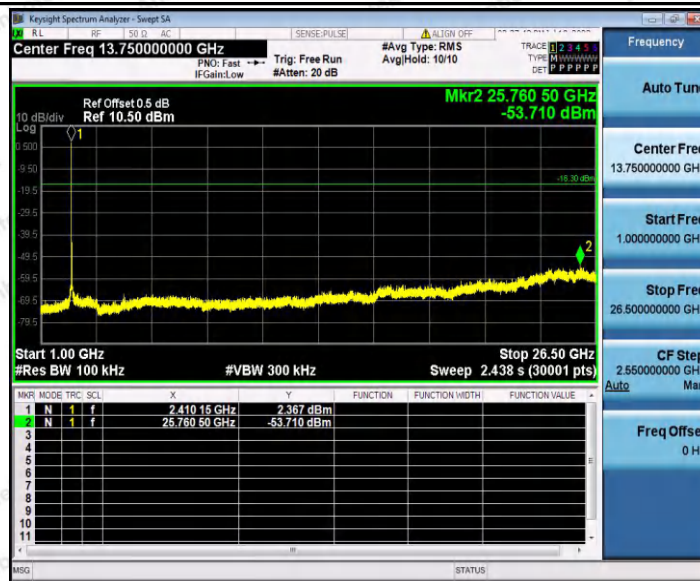
11B_Ant1_2412_1000~26500

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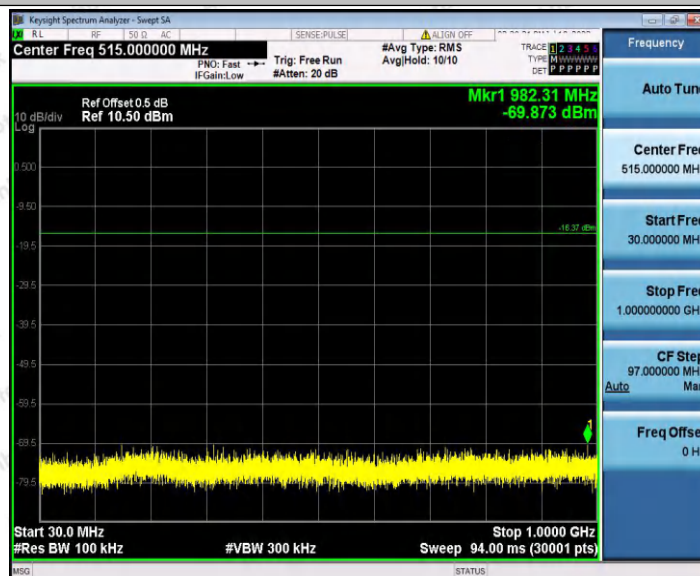
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



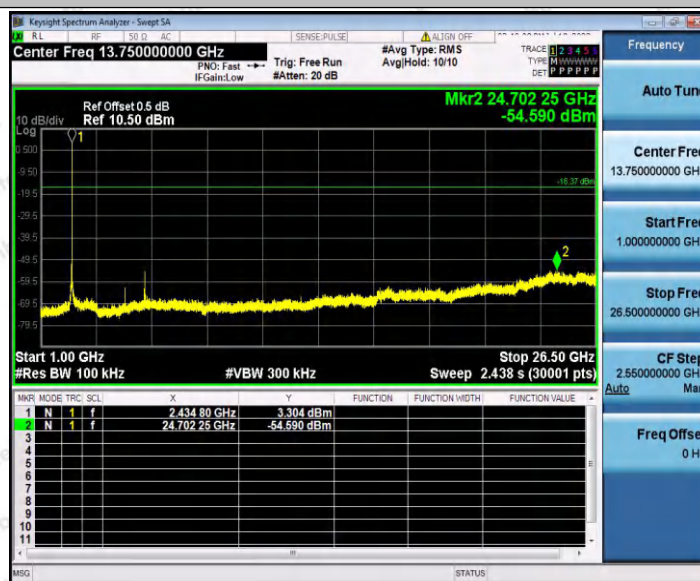
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



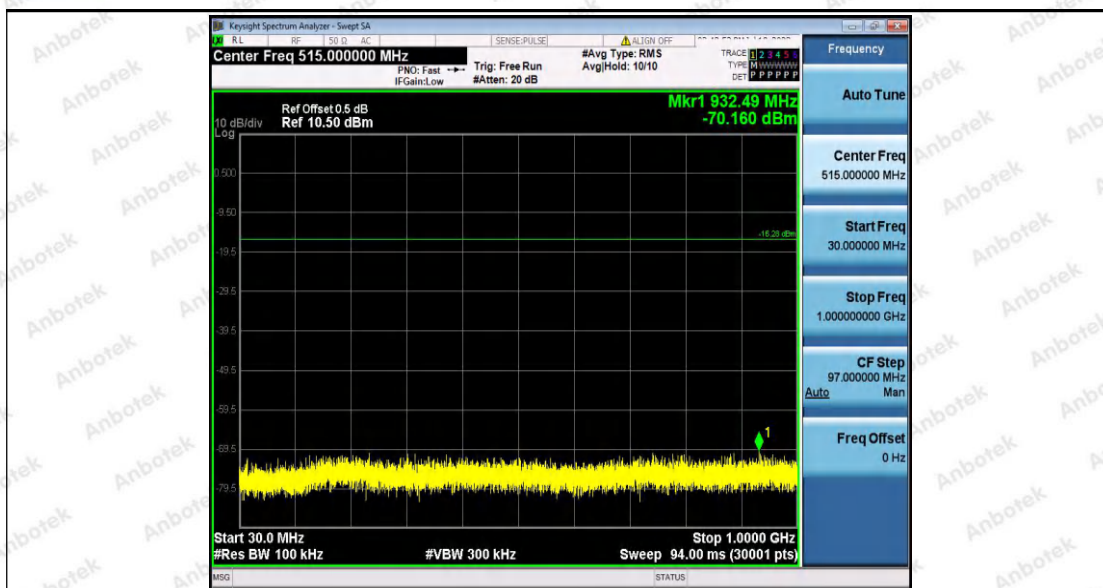
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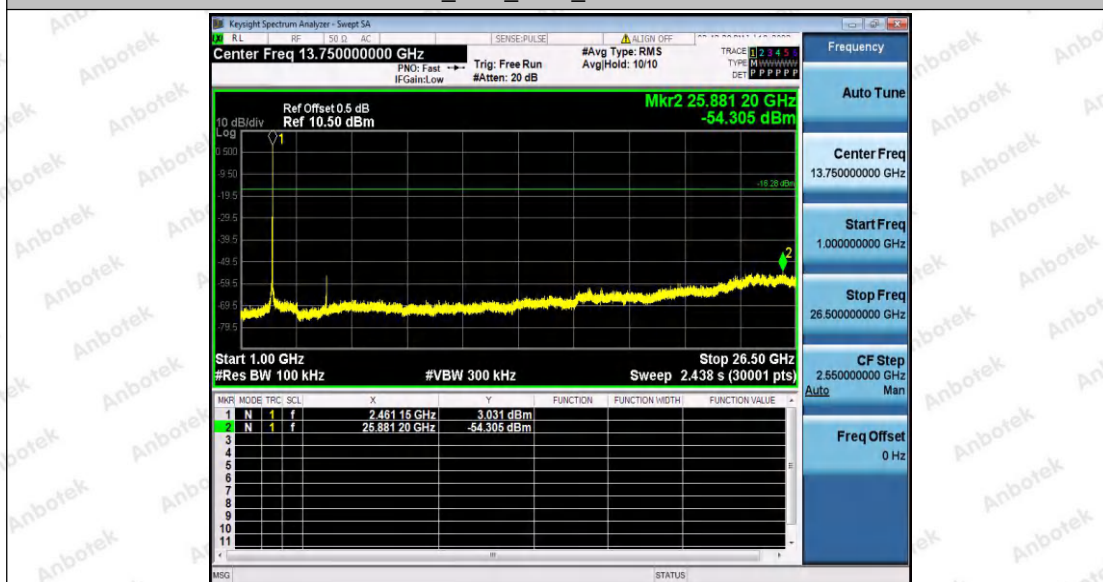
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



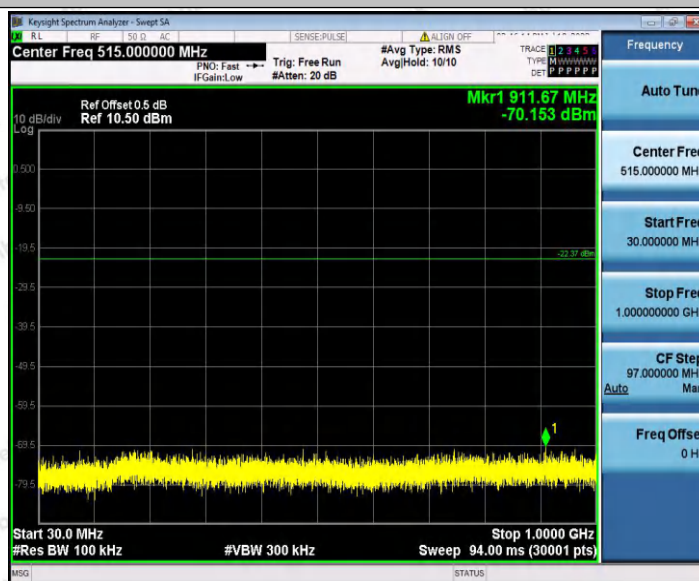
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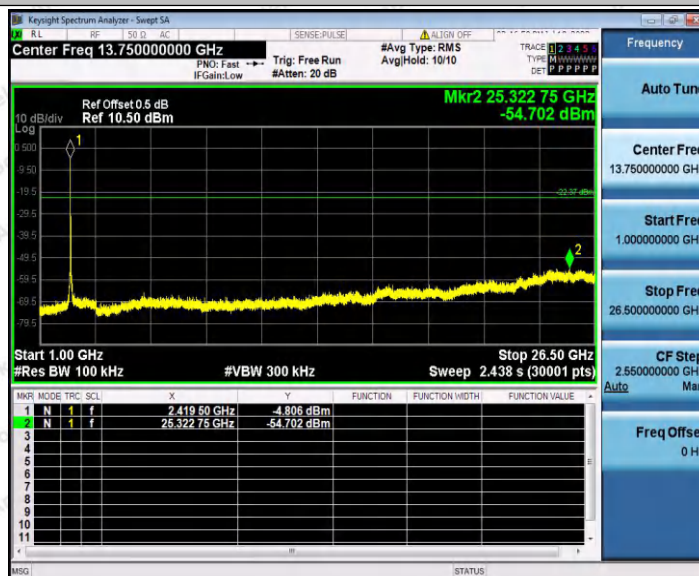
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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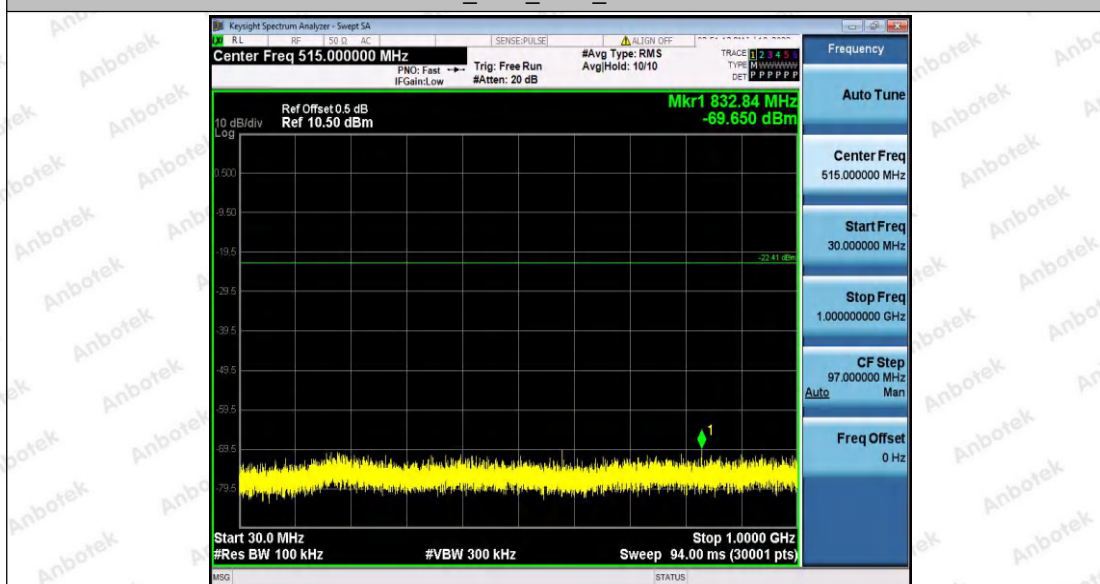
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

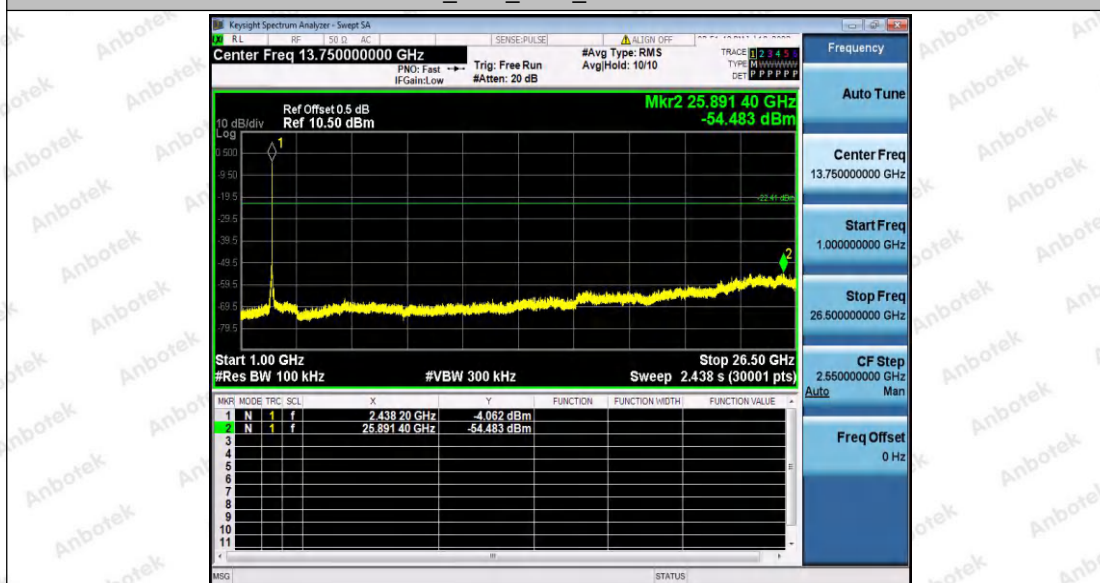
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

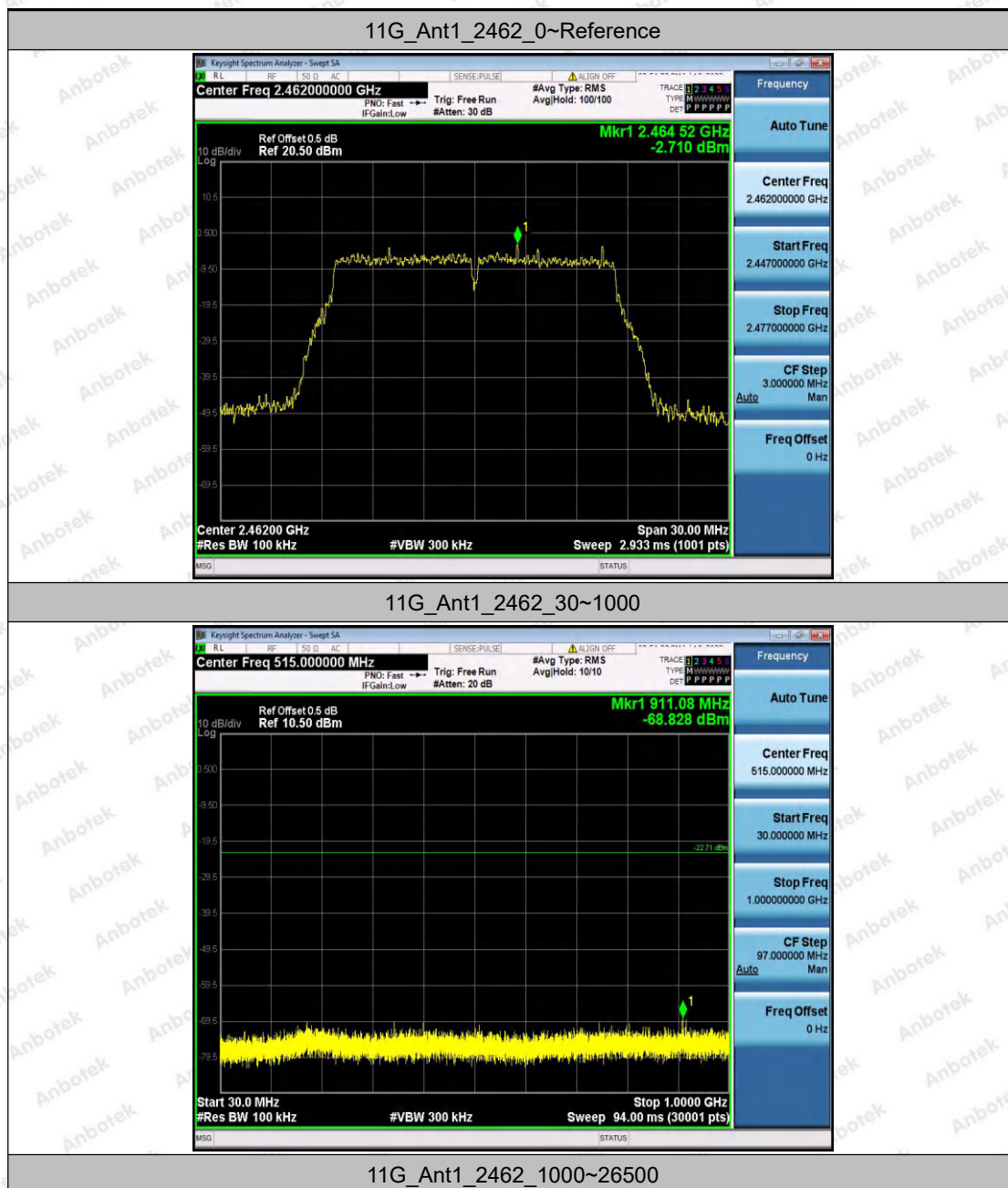


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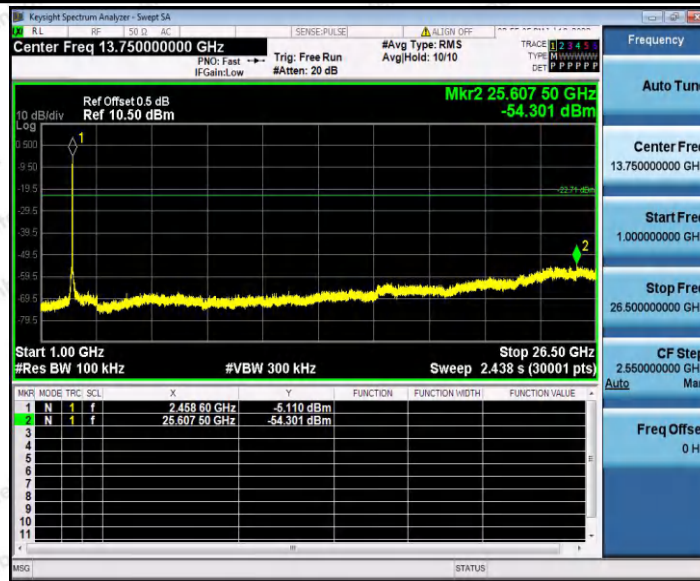


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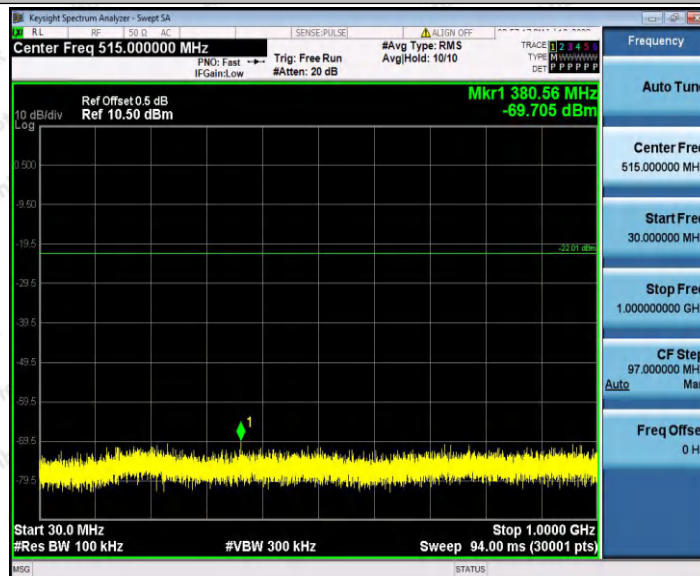
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



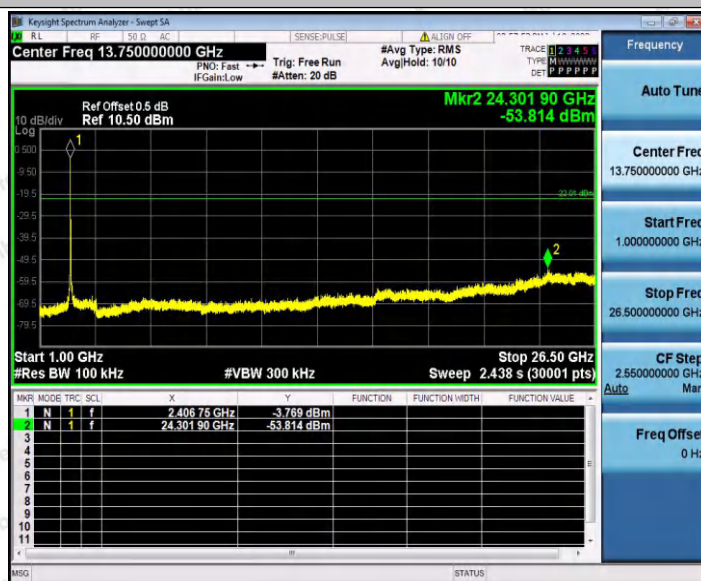
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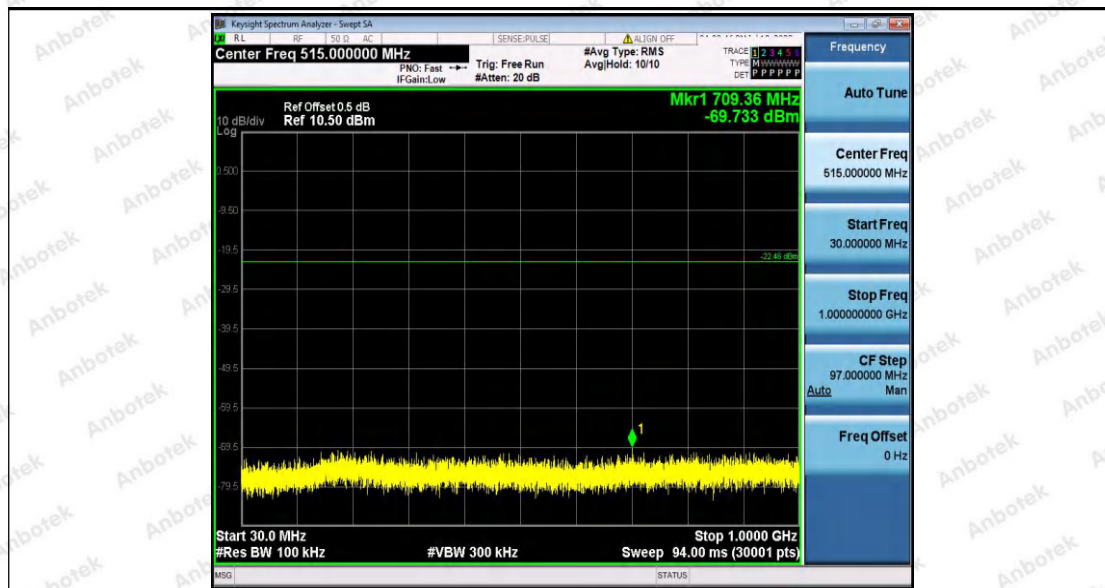
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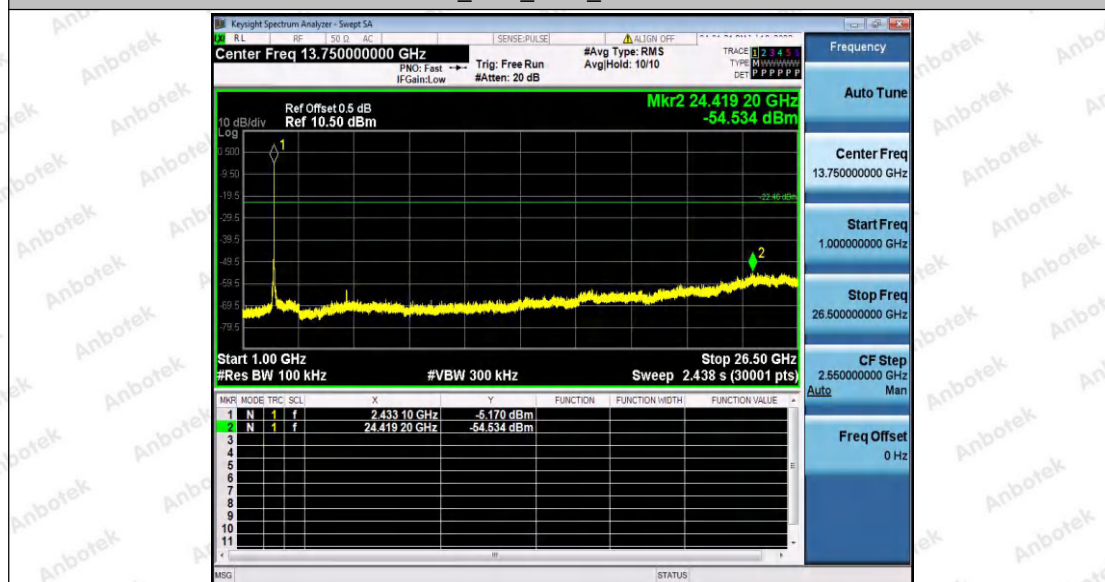
11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000



11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

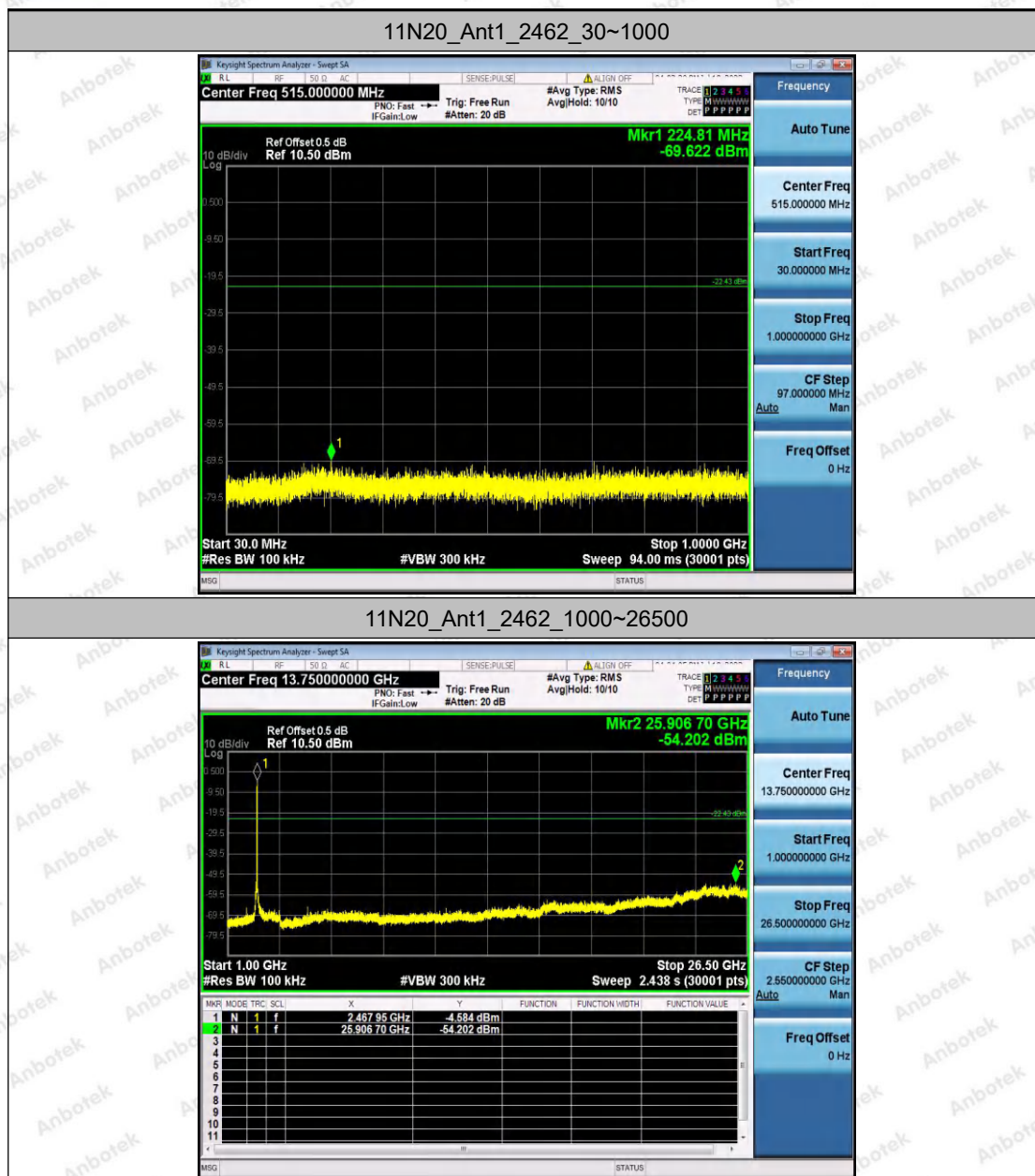


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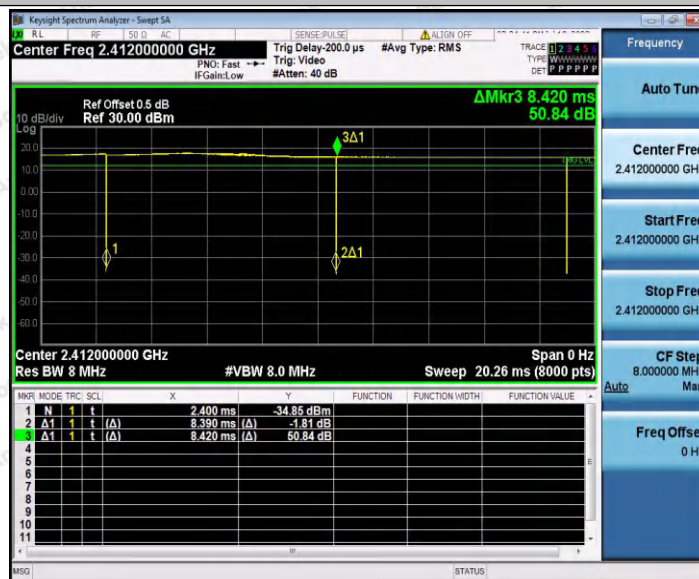
Appendix G: Duty Cycle

Test Result

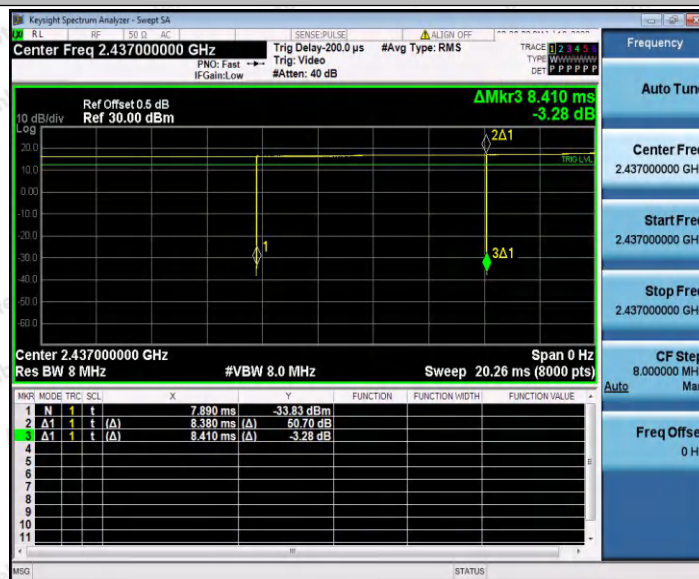
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.39	8.42	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.40	1.98	70.71	---	PASS
		2462	1.39	1.43	97.20	---	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

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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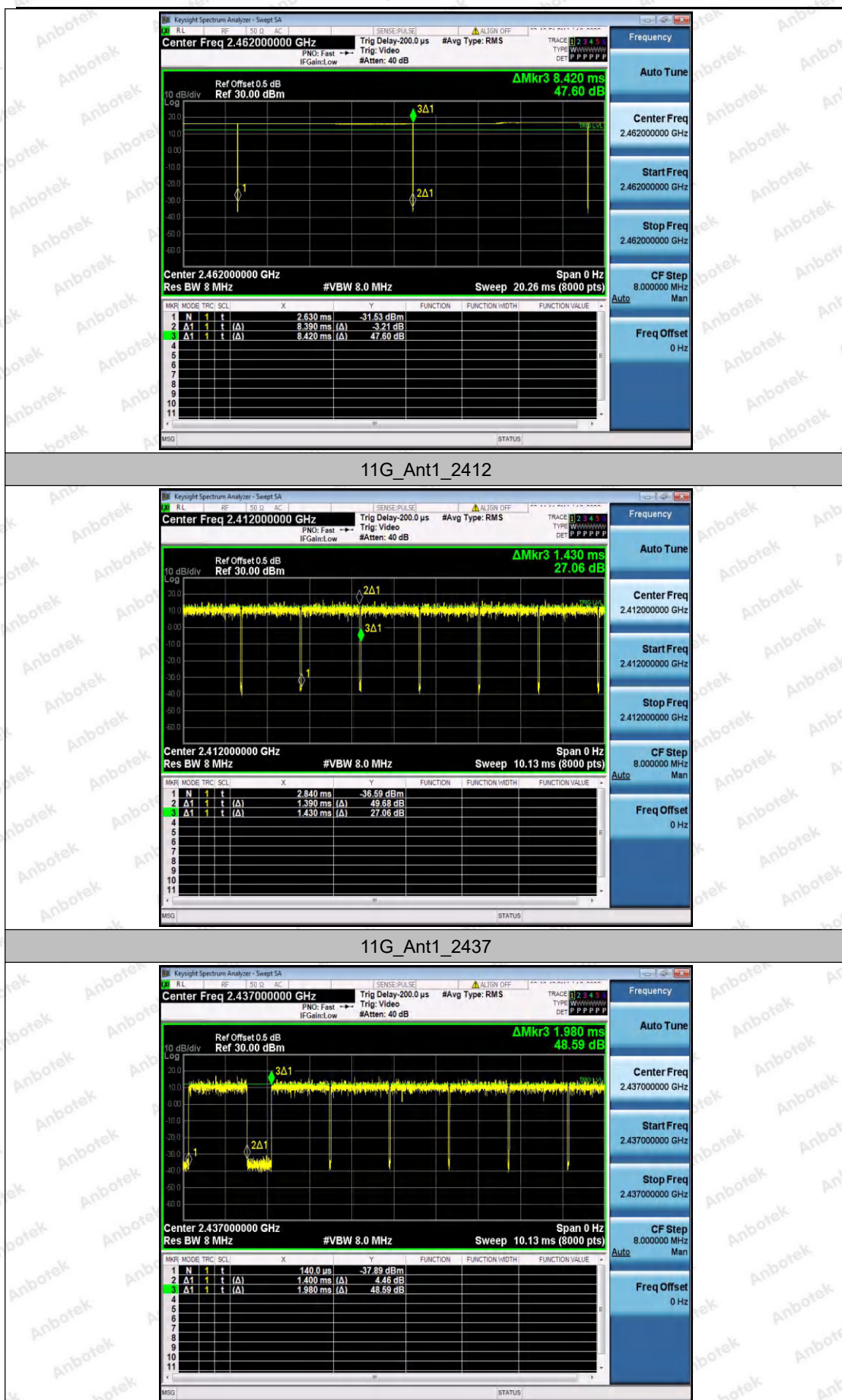
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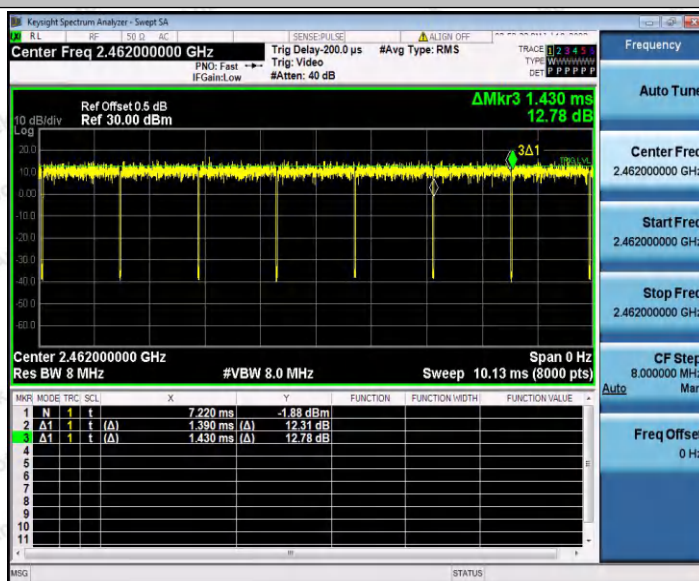


Hotline

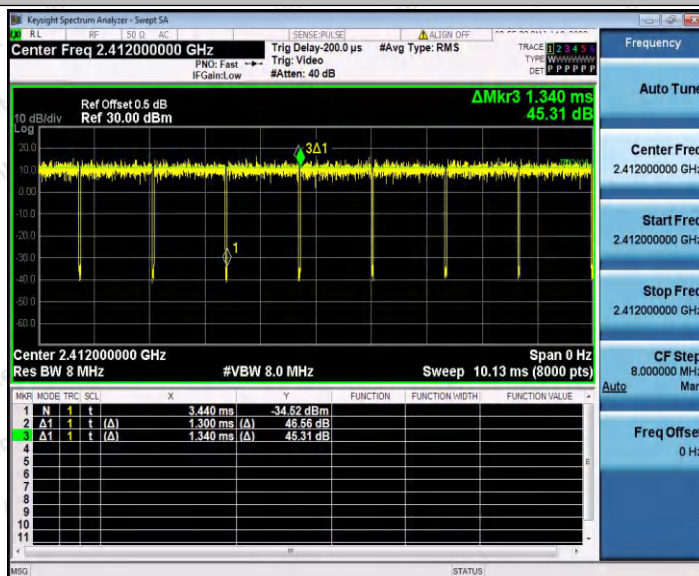
400-003-0500

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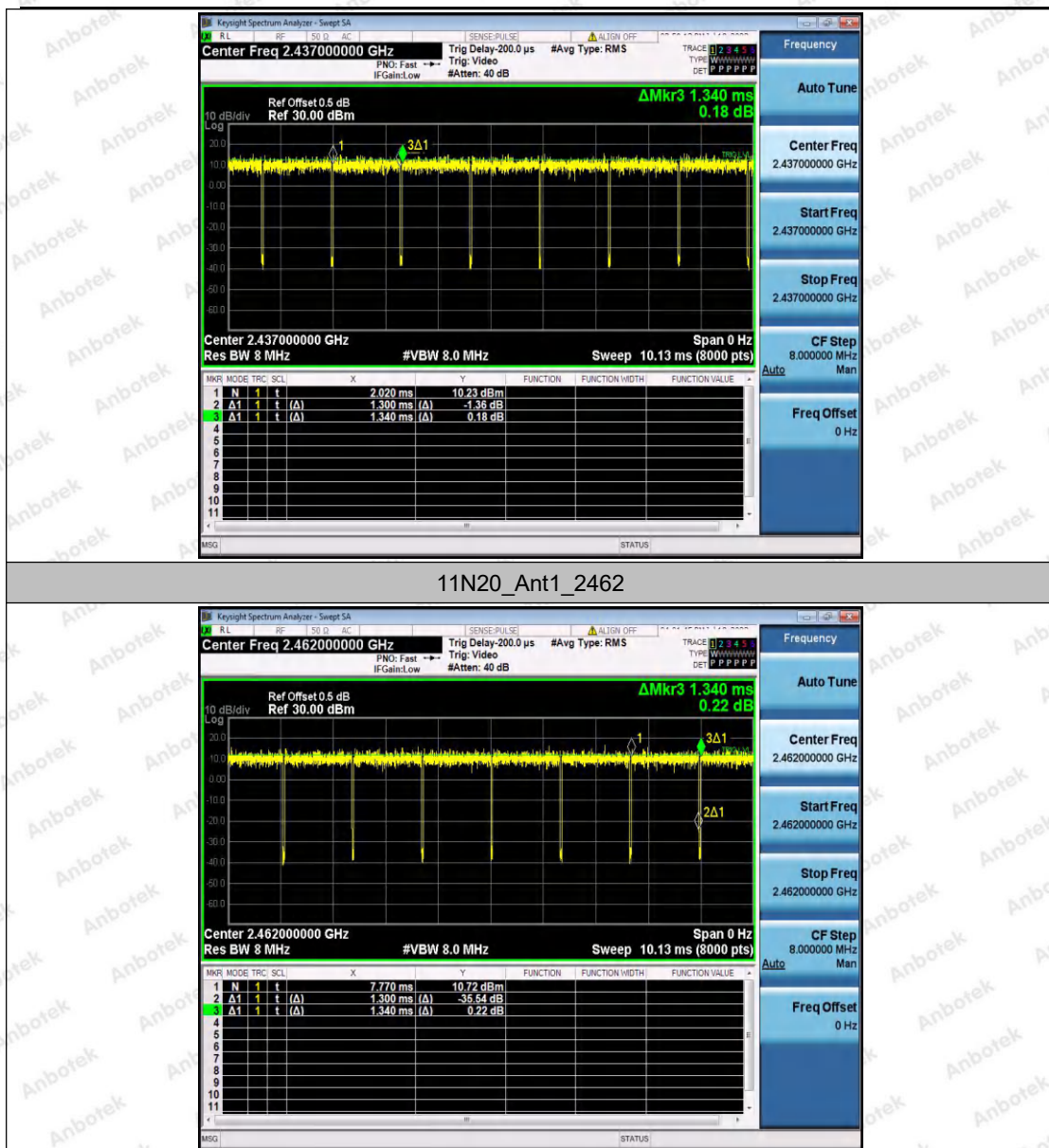
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



---End---