

Appendix Test Data

Report No.:	18220WC30072301	Test Sample No.:	1-2-2
Start Test Date:	2023.04.25	Finish Test Date:	2023.05.18
Test Engineer:	Rock Luo	Auditor:	Edward Pan
Temperature:	25.3℃	Relative Humidity:	55%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	≥0.5	PASS
		2437	9.120	2432.400	2441.520	≥0.5	PASS
		2462	9.080	2457.400	2466.480	≥0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	≥0.5	PASS
		2437	16.320	2428.800	2445.120	≥0.5	PASS
		2462	16.320	2453.800	2470.120	≥0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	≥0.5	PASS
		2437	17.400	2428.360	2445.760	≥0.5	PASS
		2462	17.600	2453.160	2470.760	≥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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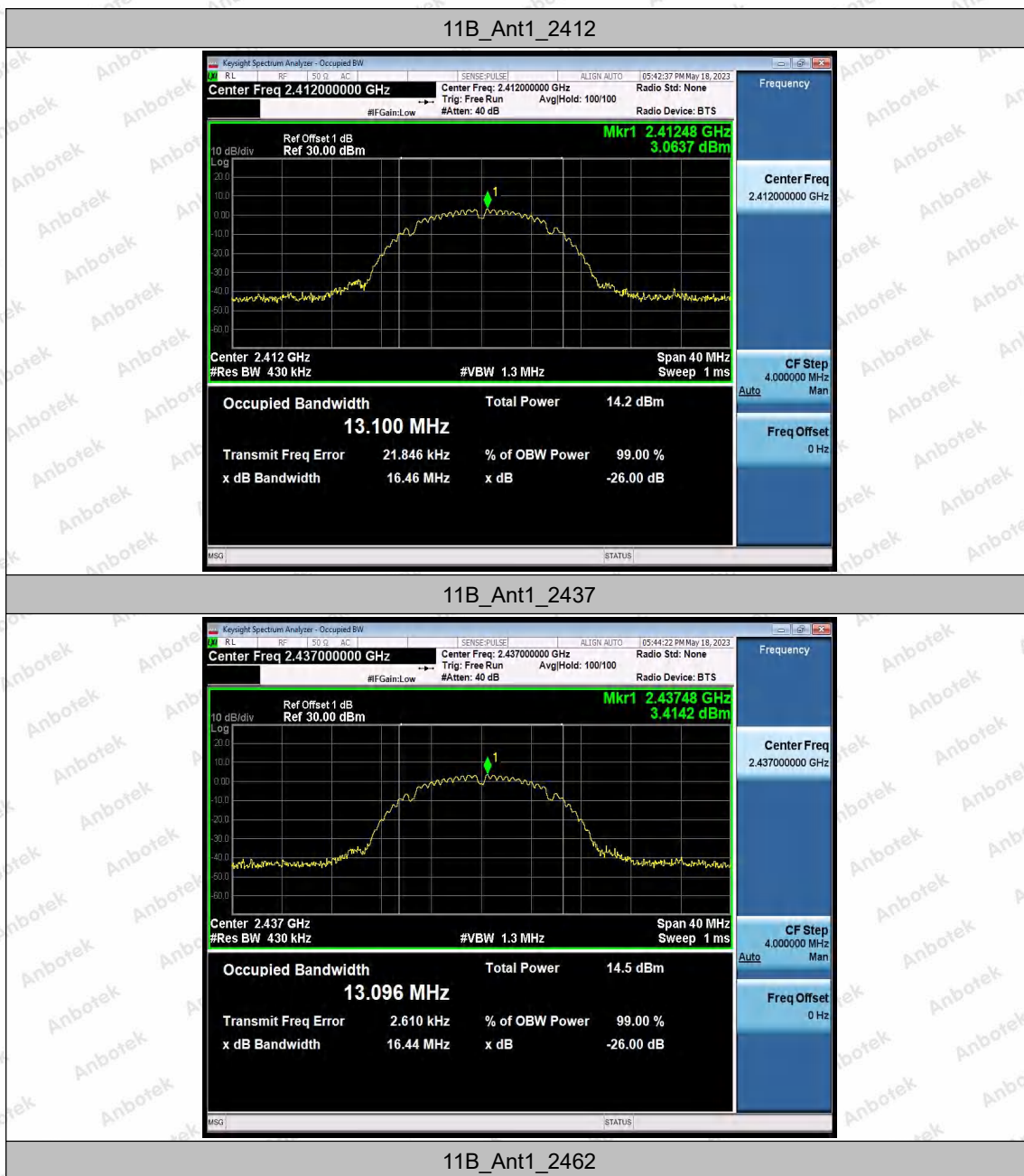
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	13.100	2405.4719	2418.5719
		2437	13.096	2430.4546	2443.5506
		2462	13.106	2455.4406	2468.5466
11G	Ant1	2412	17.267	2403.3502	2420.6172
		2437	17.408	2428.3290	2445.7370
		2462	17.214	2453.3644	2470.5784
11N20SISO	Ant1	2412	18.401	2402.7768	2421.1778
		2437	18.345	2427.8009	2446.1459
		2462	18.365	2452.7798	2471.1448



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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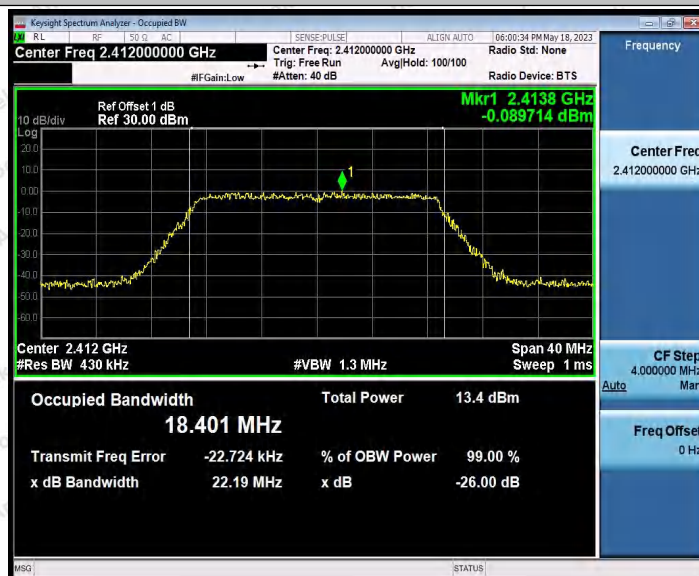
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

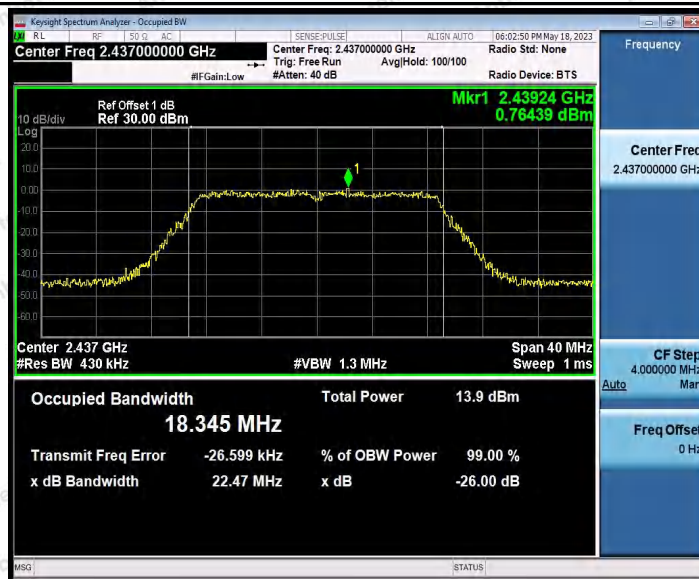
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11N20SISO_Ant1_2462



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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	12.25	≤30.00
		2437	12.58	≤30.00
		2462	12.66	≤30.00
11G	Ant1	2412	12.52	≤30.00
		2437	12.81	≤30.00
		2462	12.84	≤30.00
11N20SISO	Ant1	2412	12.79	≤30.00
		2437	12.11	≤30.00
		2462	12.41	≤30.00



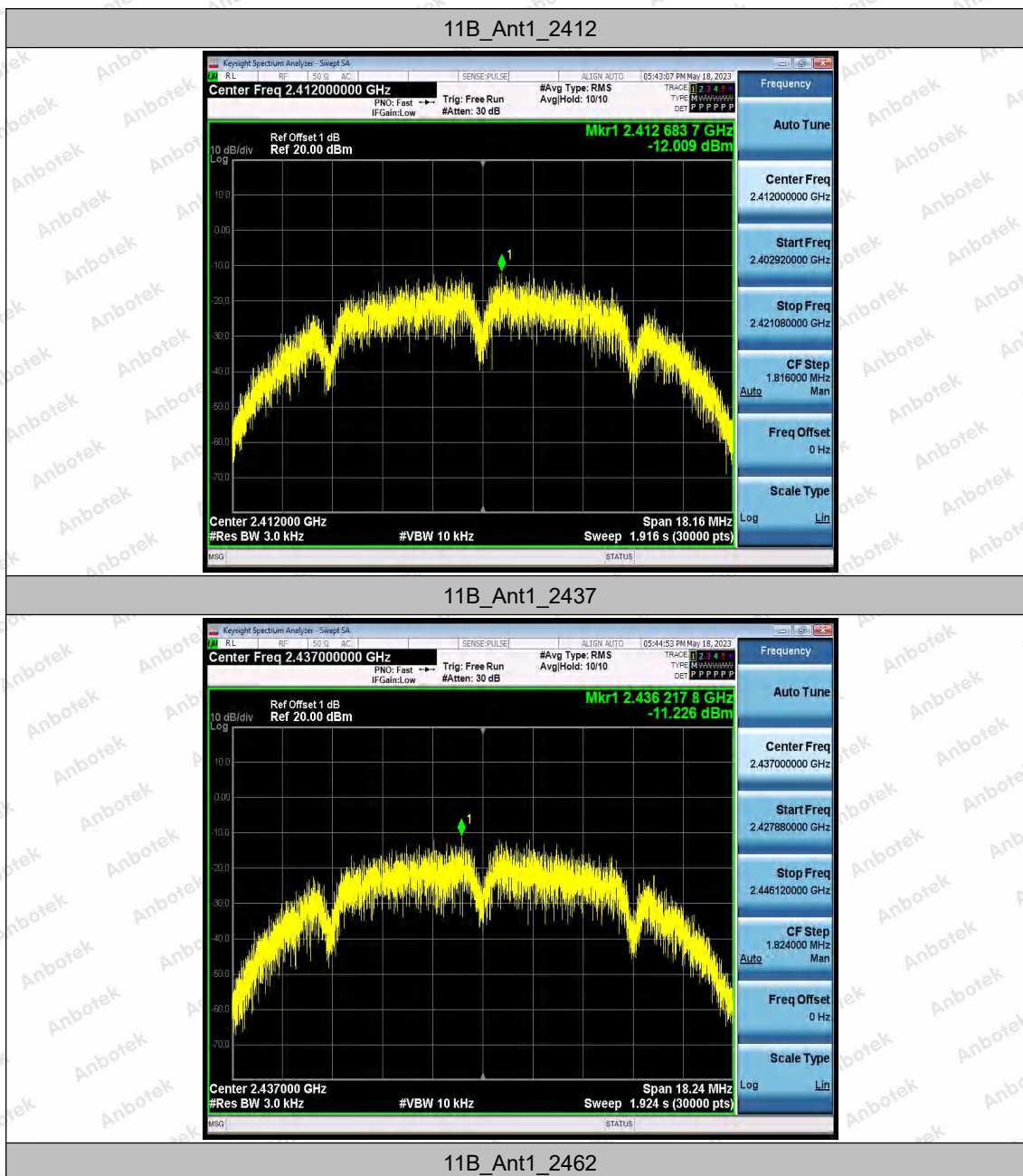
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.01	≤8.00	PASS
		2437	-11.23	≤8.00	PASS
		2462	-11.15	≤8.00	PASS
11G	Ant1	2412	-18.35	≤8.00	PASS
		2437	-17.63	≤8.00	PASS
		2462	-17.68	≤8.00	PASS
11N20SISO	Ant1	2412	-17.47	≤8.00	PASS
		2437	-17.11	≤8.00	PASS
		2462	-16.98	≤8.00	PASS



Test Graphs



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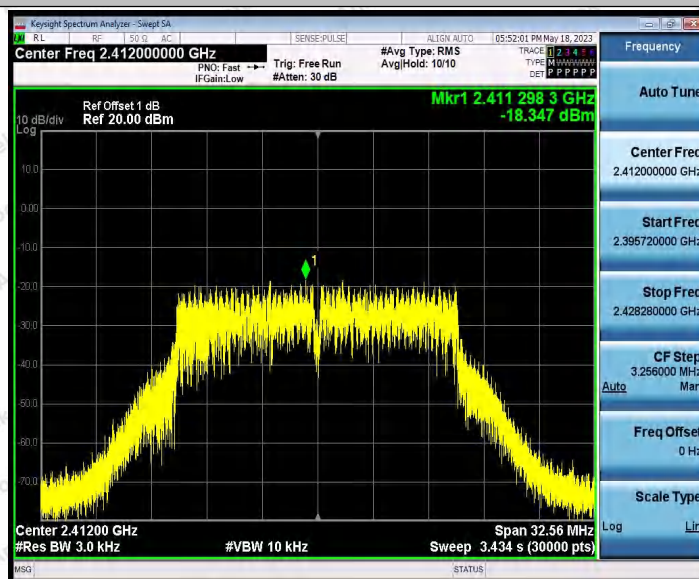


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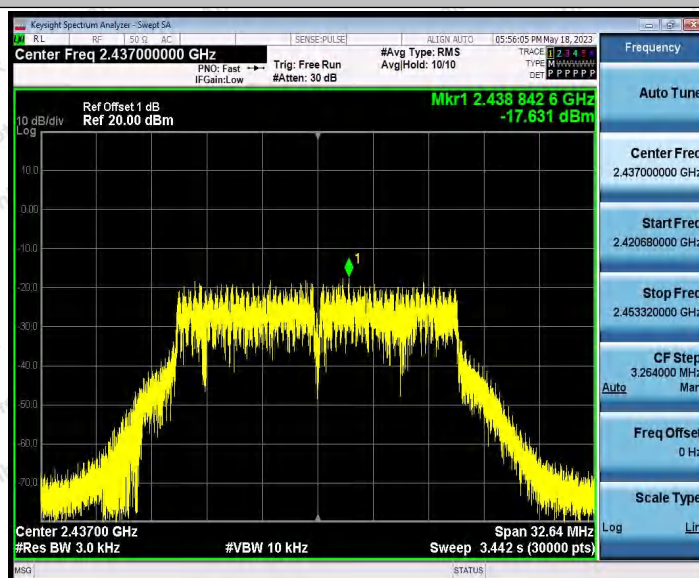




11G_Ant1_2412



11G_Ant1_2437



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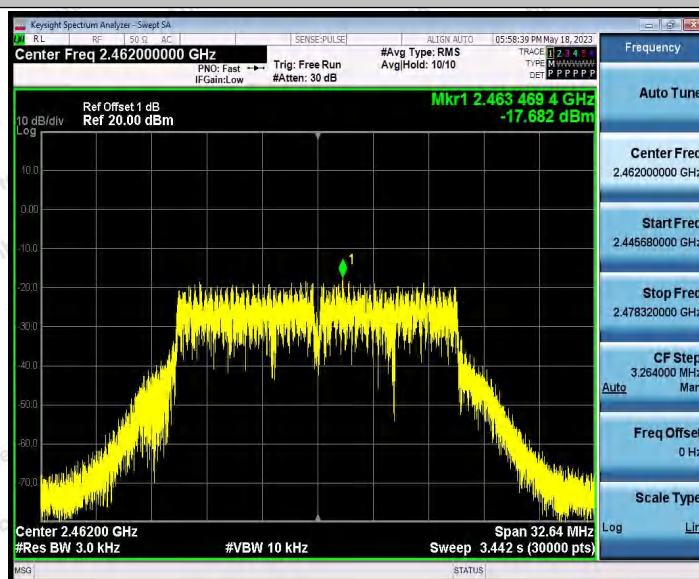
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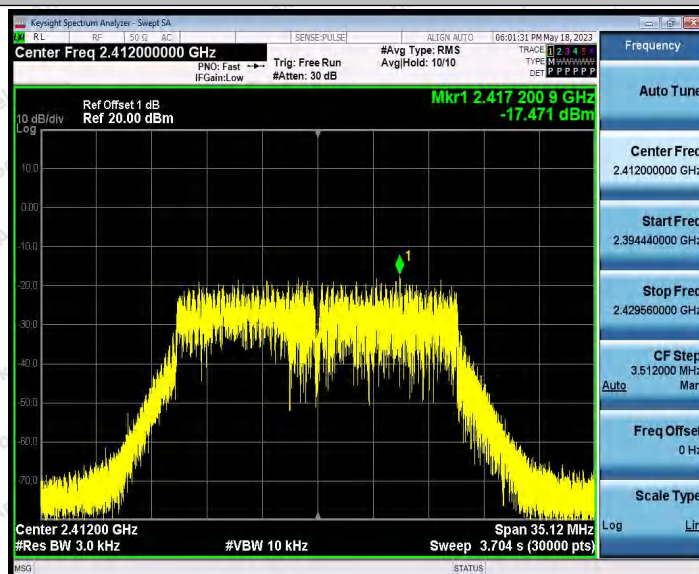
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

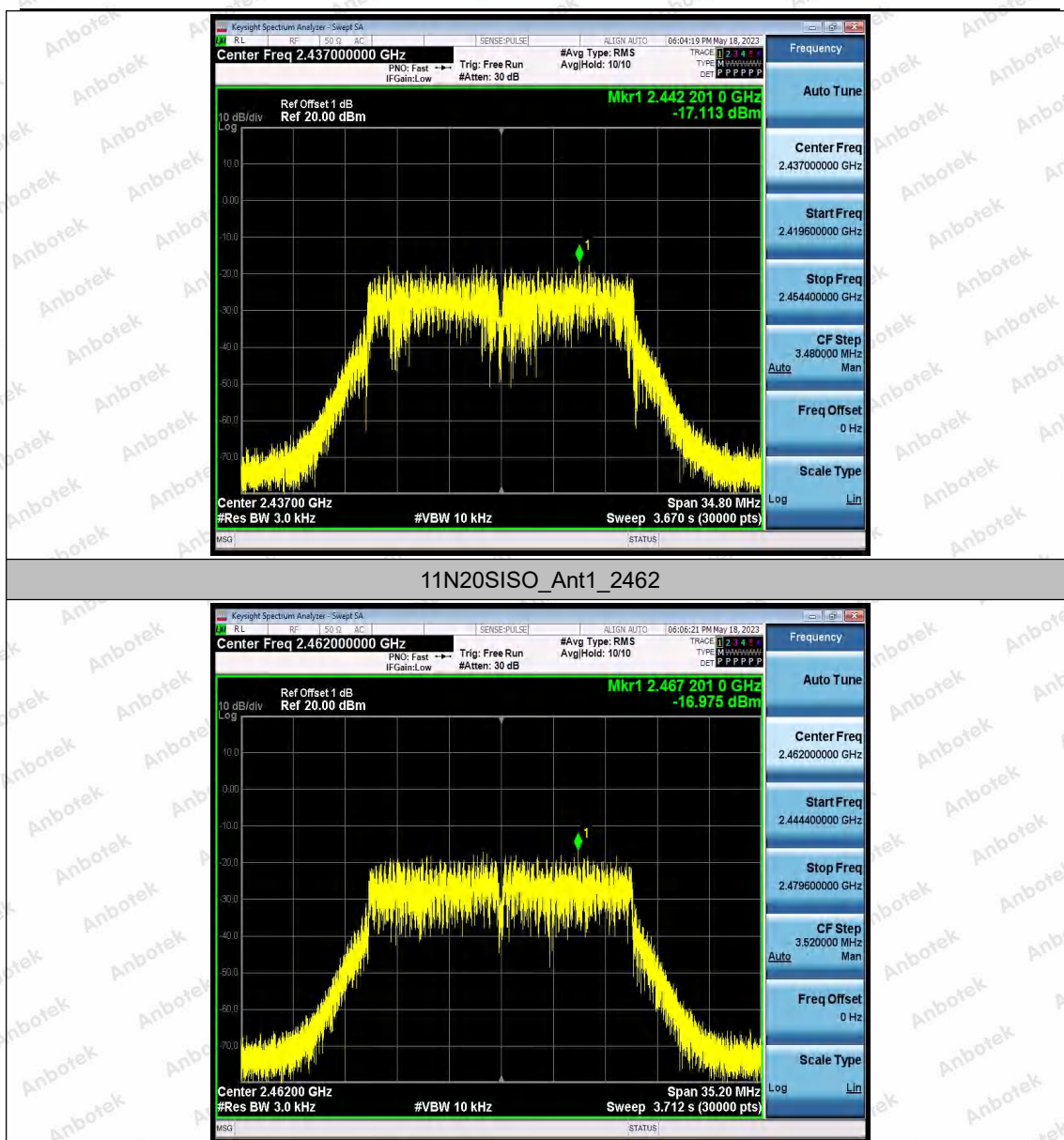
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Appendix E: Band edge measurements

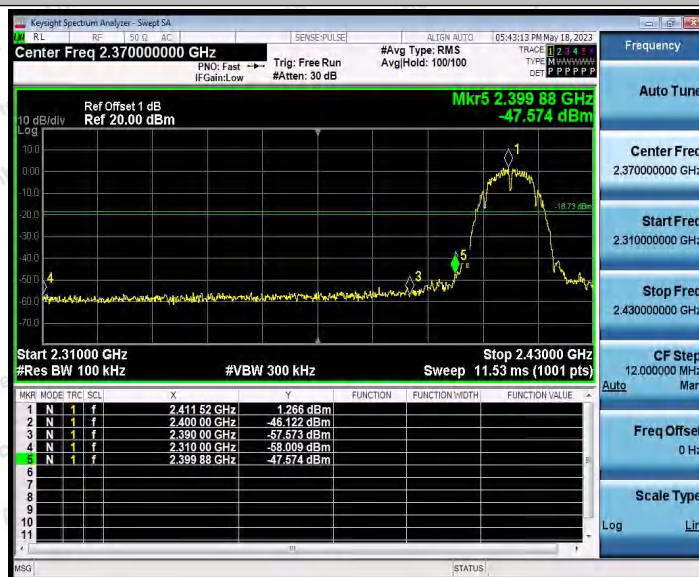
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.27	-47.57	≤-18.73	PASS
		High	2462	1.71	-51.26	≤-18.29	PASS
11G	Ant1	Low	2412	-3.87	-43.23	≤-23.87	PASS
		High	2462	-2.37	-54.64	≤-22.37	PASS
11N20SISO	Ant1	Low	2412	-3.43	-44.06	≤-23.43	PASS
		High	2462	-2.05	-53.29	≤-22.05	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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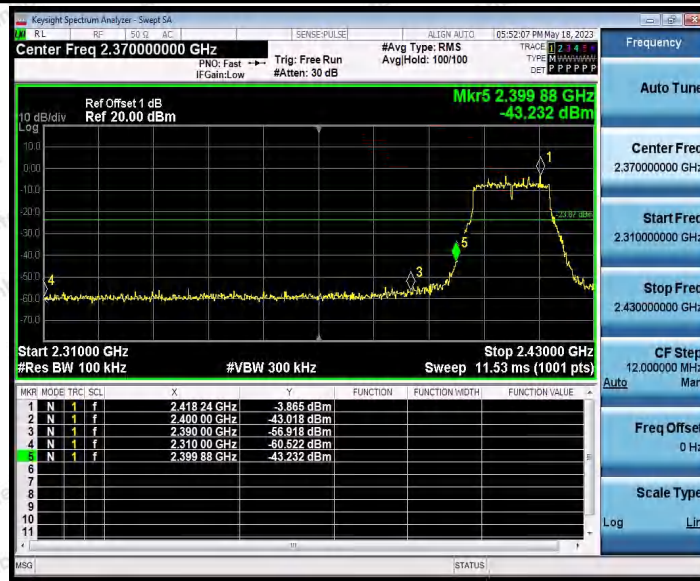


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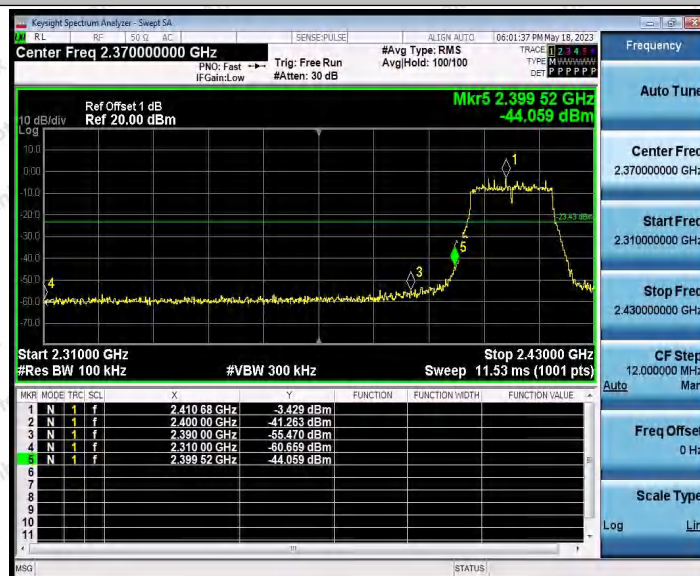




11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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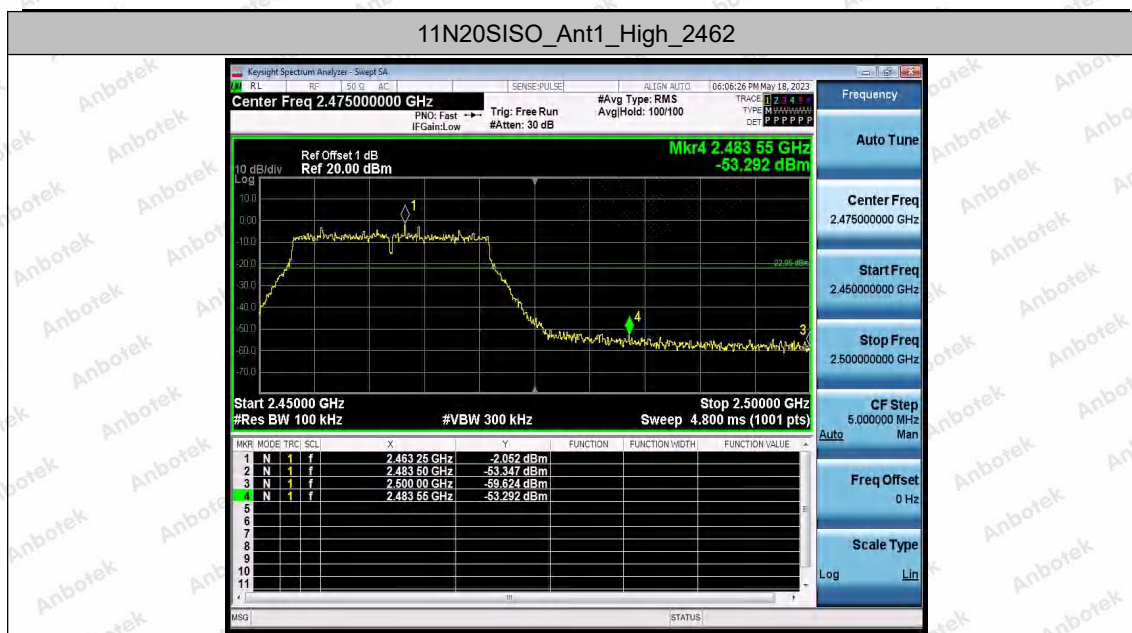


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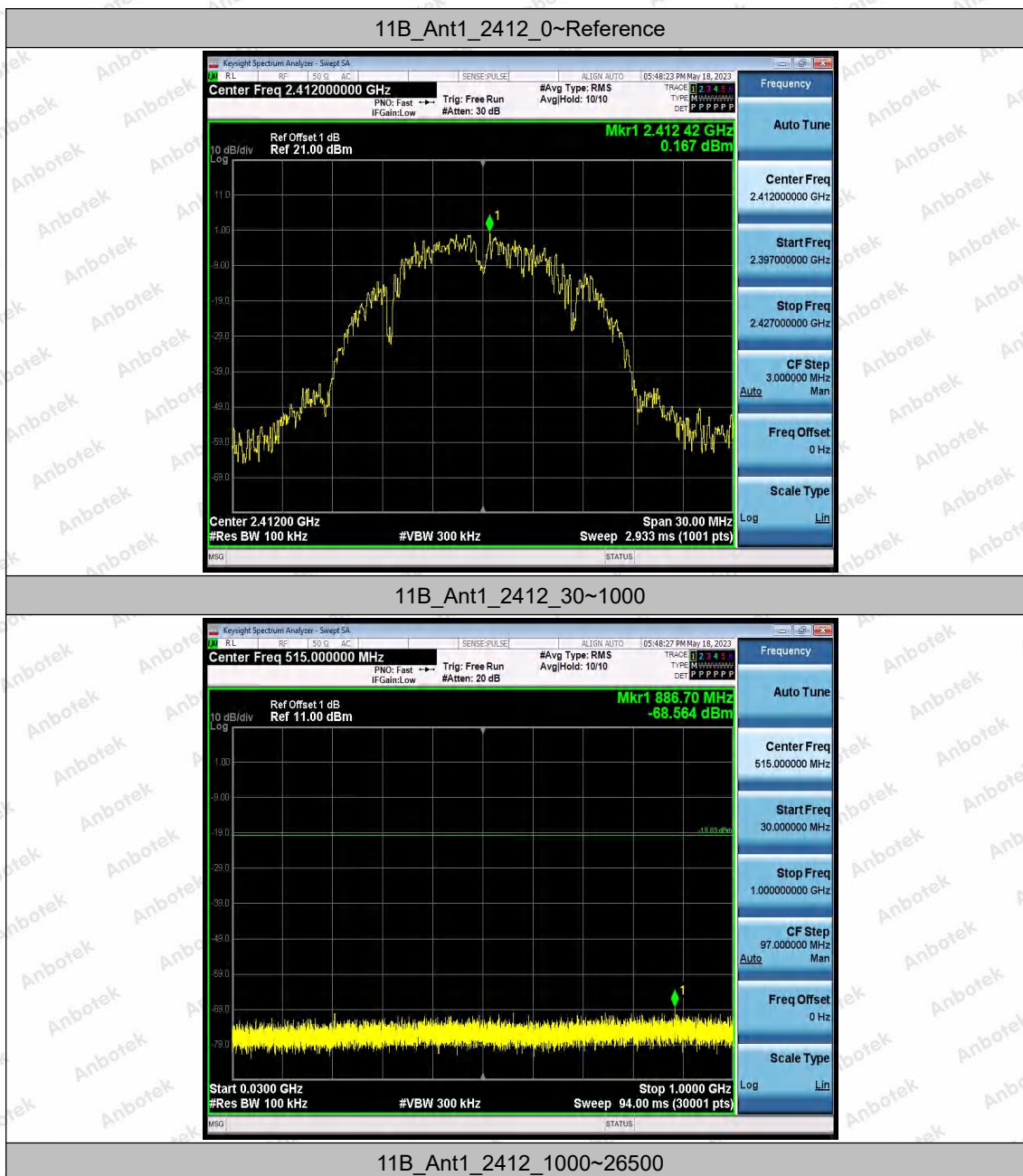
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-68.56	≤-19.83	PASS
			1000~26500	0.17	-52.69	≤-19.83	PASS
		2437	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-68.96	≤-18.87	PASS
			1000~26500	1.13	-53.39	≤-18.87	PASS
		2462	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-69.29	≤-18.39	PASS
			1000~26500	1.61	-37.2	≤-18.39	PASS
11G	Ant1	2412	Reference	-7.01	-7.01	---	PASS
			30~1000	-7.01	-68.62	≤-27.01	PASS
			1000~26500	-7.01	-52.12	≤-27.01	PASS
		2437	Reference	-5.55	-5.55	---	PASS
			30~1000	-5.55	-68.86	≤-25.55	PASS
			1000~26500	-5.55	-53.04	≤-25.55	PASS
		2462	Reference	-4.33	-4.33	---	PASS
			30~1000	-4.33	-69.65	≤-24.33	PASS
			1000~26500	-4.33	-52.91	≤-24.33	PASS
11N20SISO	Ant1	2412	Reference	-3.31	-3.31	---	PASS
			30~1000	-3.31	-69.79	≤-23.31	PASS
			1000~26500	-3.31	-53.14	≤-23.31	PASS
		2437	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-69.08	≤-22.77	PASS
			1000~26500	-2.77	-52.56	≤-22.77	PASS
		2462	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-69.25	≤-23.12	PASS
			1000~26500	-3.12	-52.49	≤-23.12	PASS



Test Graphs



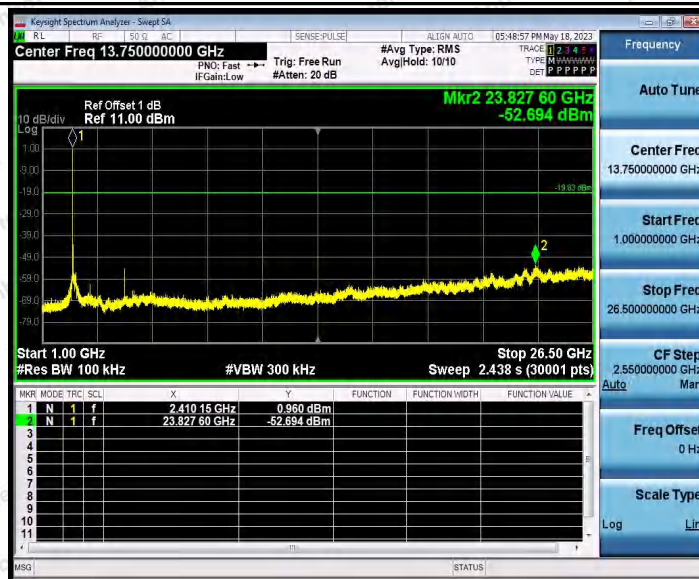
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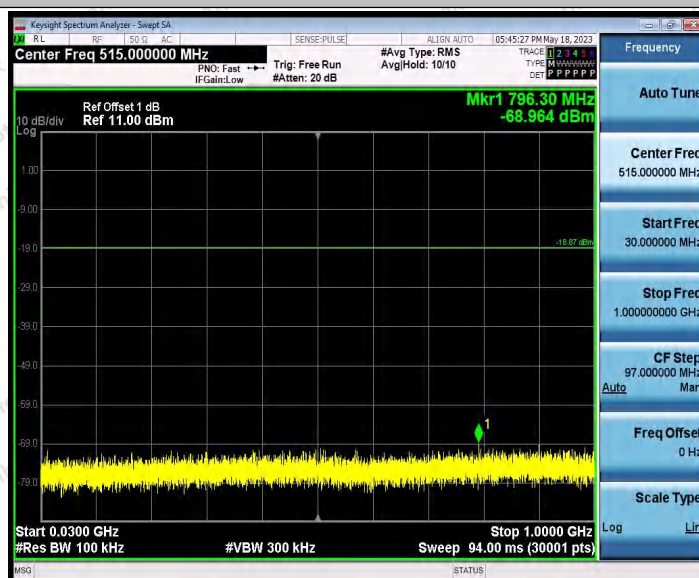




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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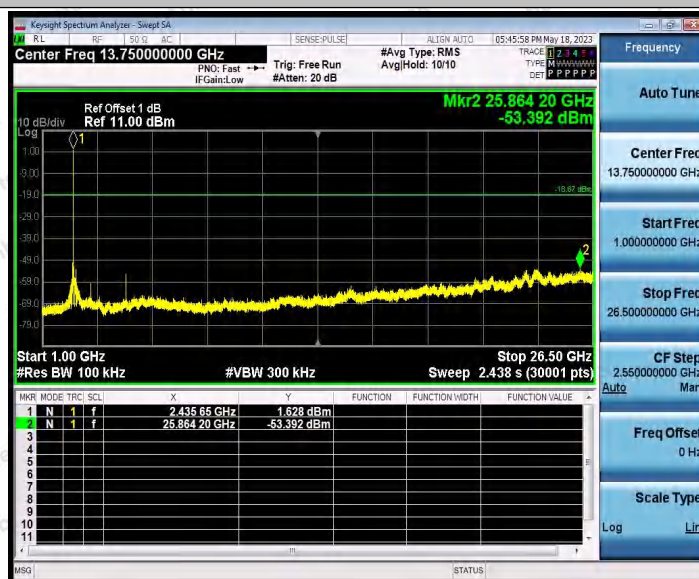
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

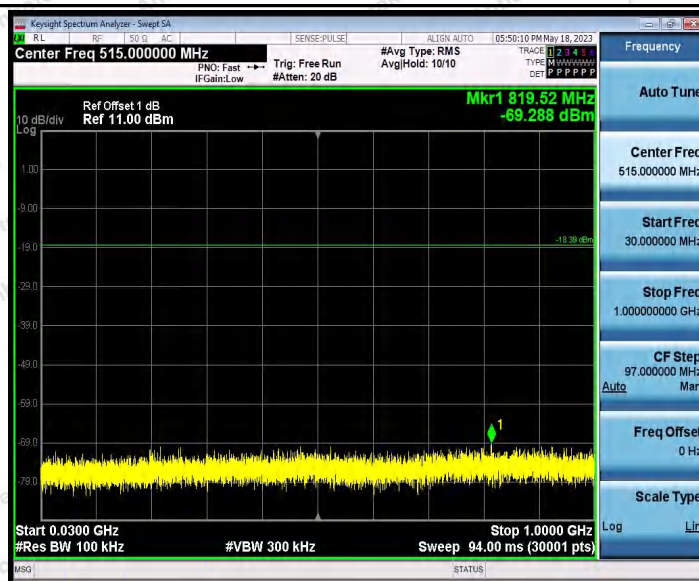
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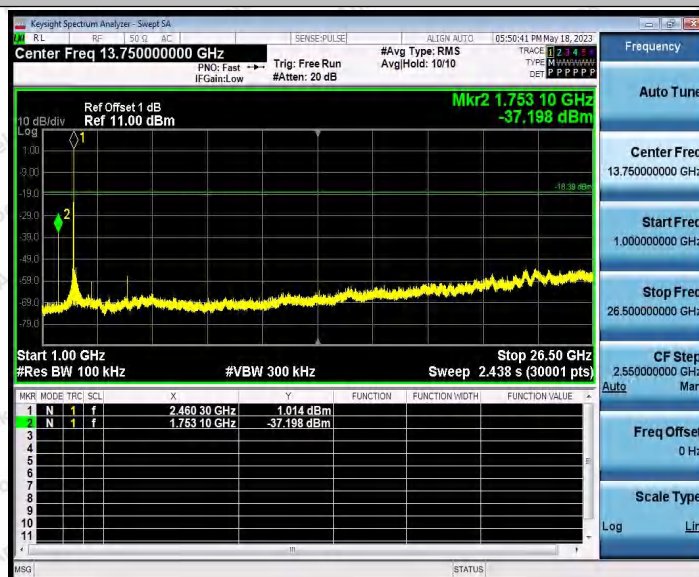


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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



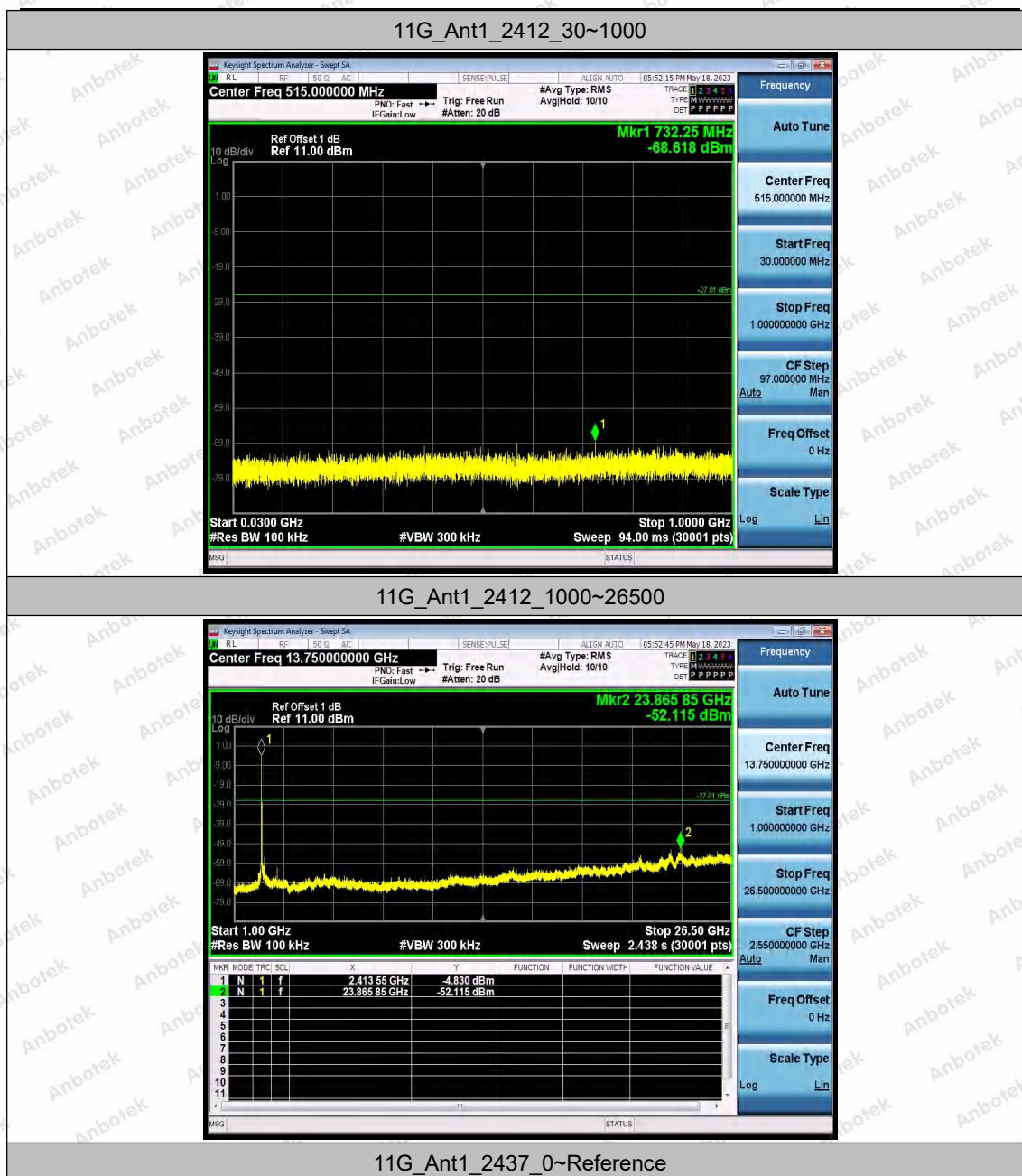
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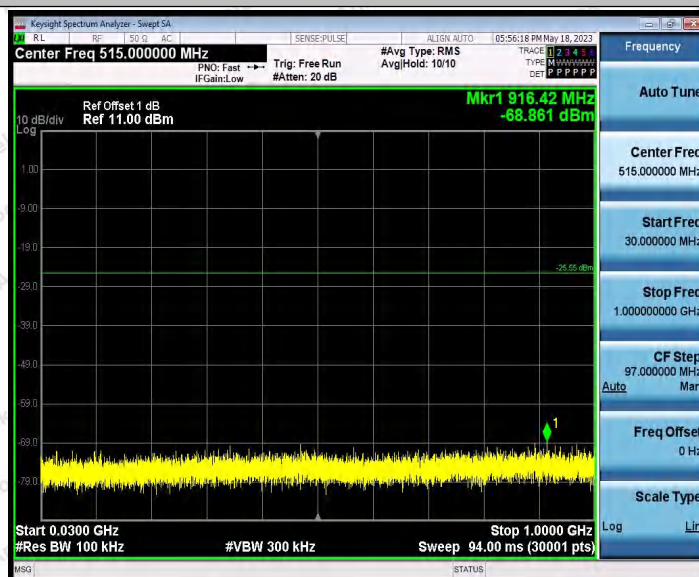
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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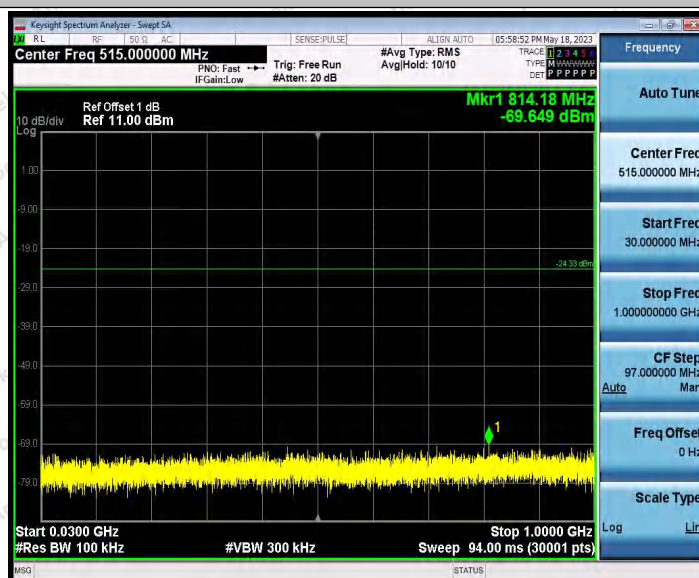
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

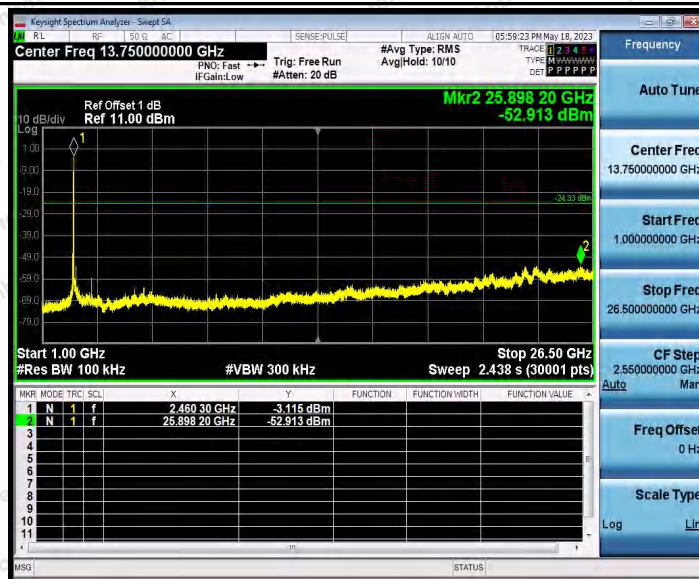
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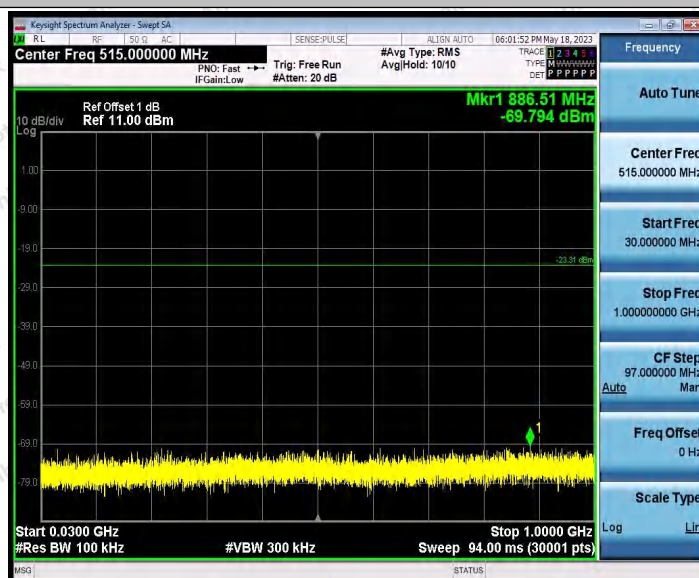




11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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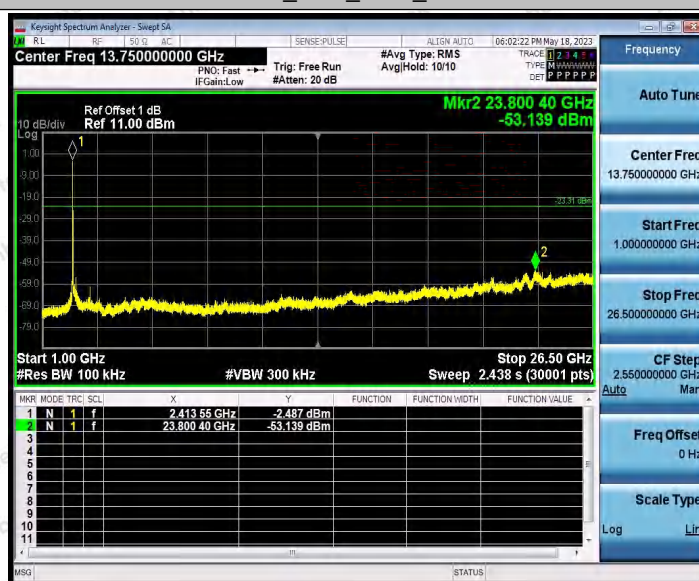
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

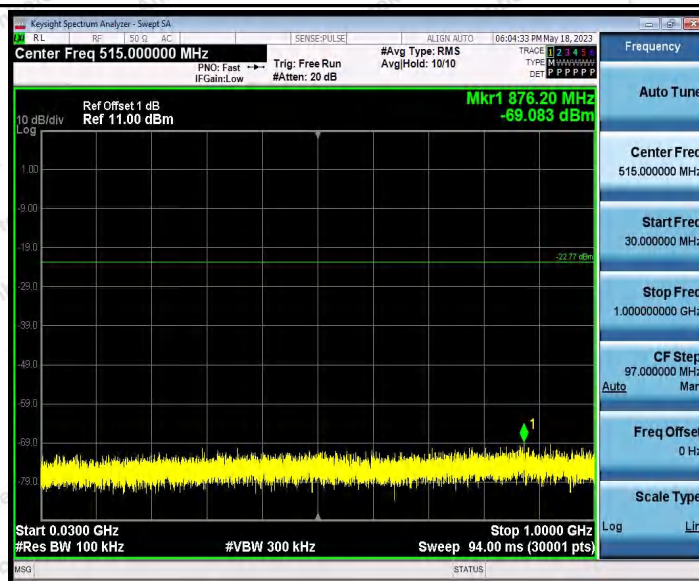
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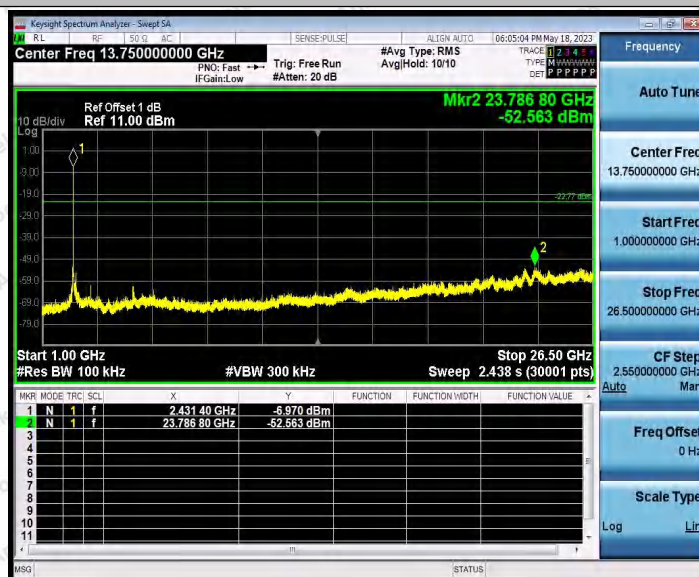


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



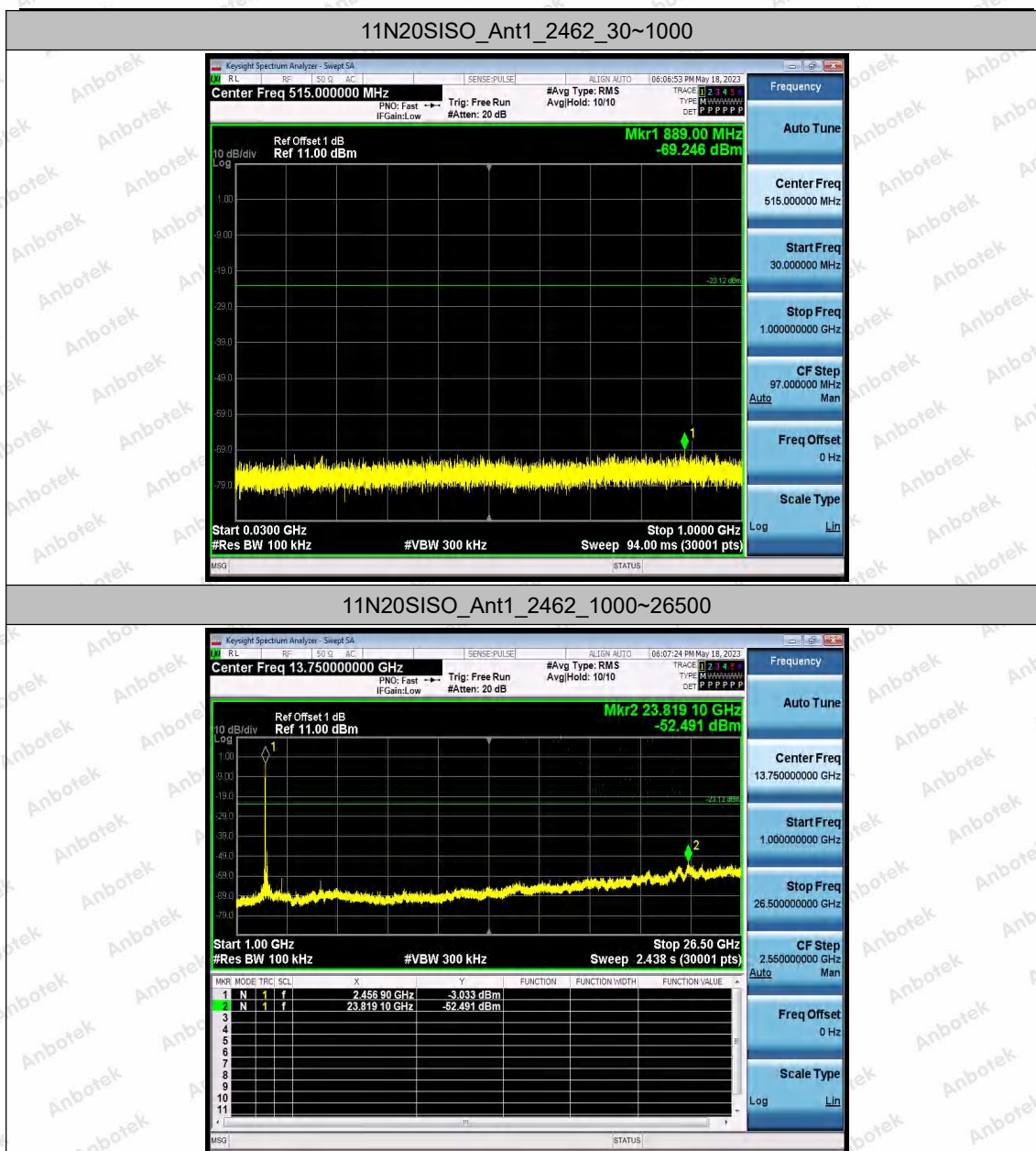
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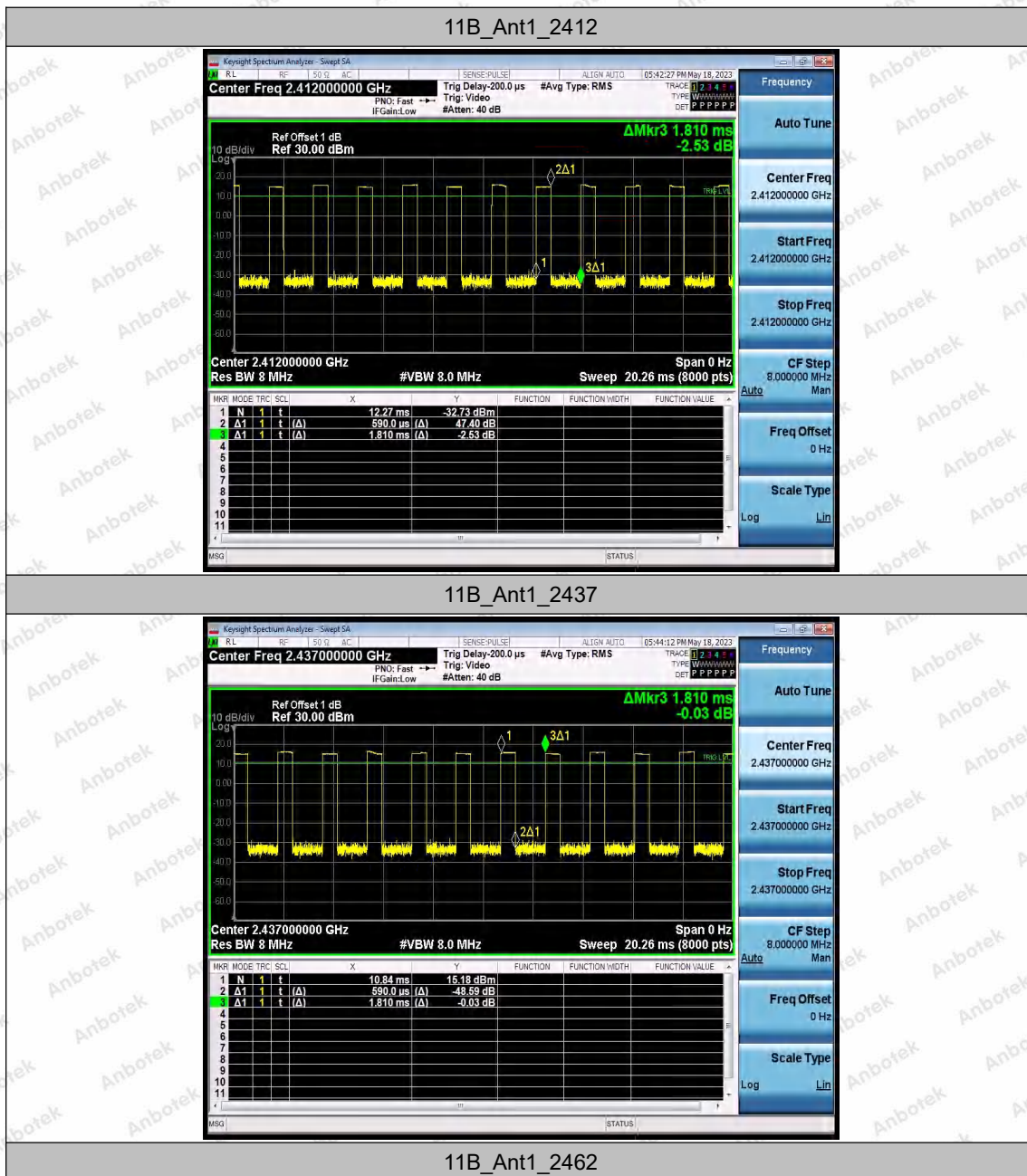
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.59	1.81	32.60	4.87
		2437	0.59	1.81	32.60	4.87
		2462	0.59	1.81	32.60	4.87
11G	Ant1	2412	0.58	1.79	32.40	4.89
		2437	0.59	1.80	32.78	4.84
		2462	0.58	1.79	32.40	4.89
11N20SISO	Ant1	2412	0.56	1.77	31.64	5.00
		2437	0.56	1.82	30.77	5.12
		2462	0.56	1.78	31.46	5.02



Test Graphs



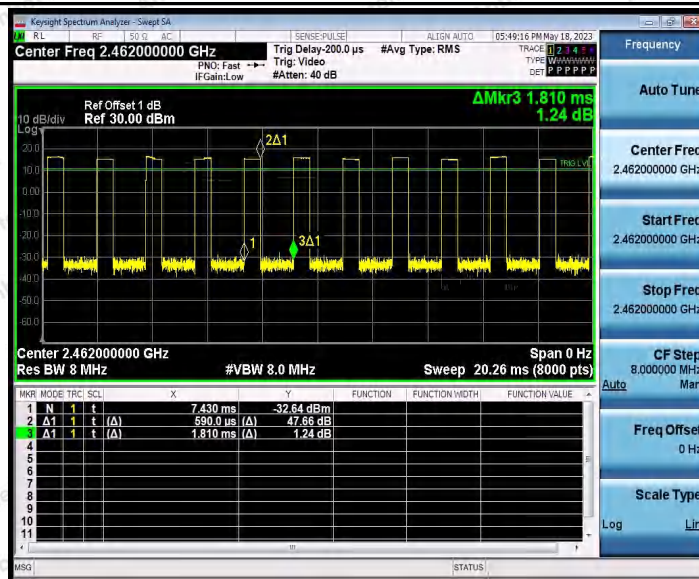
Shenzhen Anbotek Compliance Laboratory Limited

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

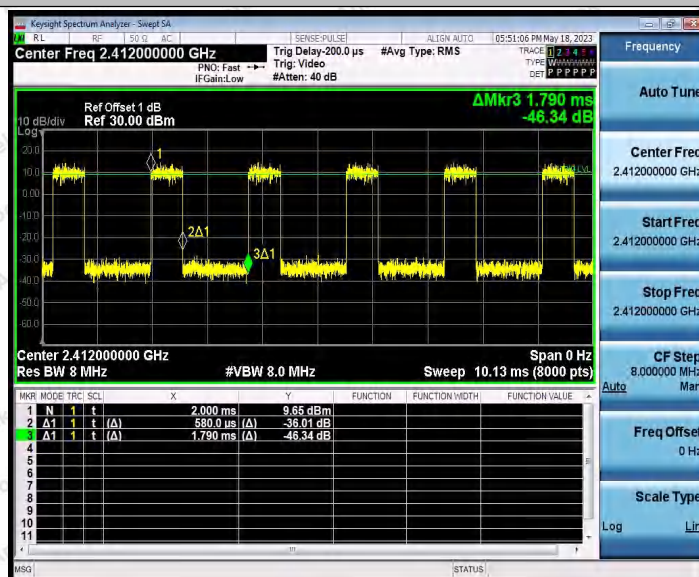


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400-003-0500
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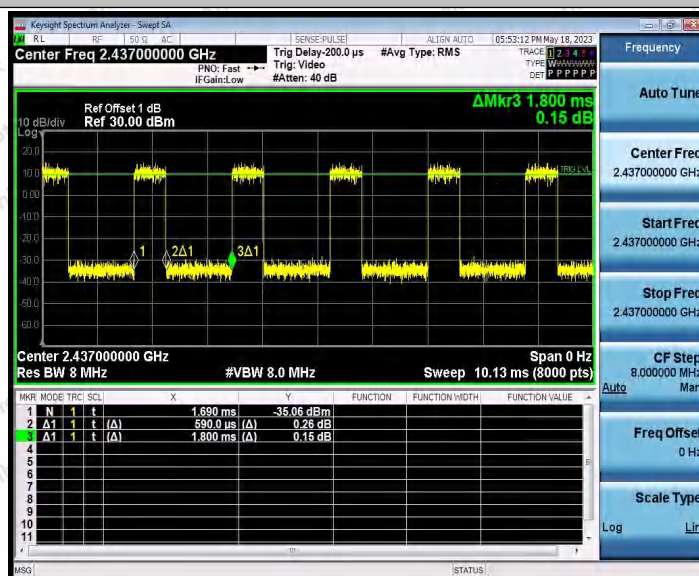




11G_Ant1_2412



11G_Ant1_2437



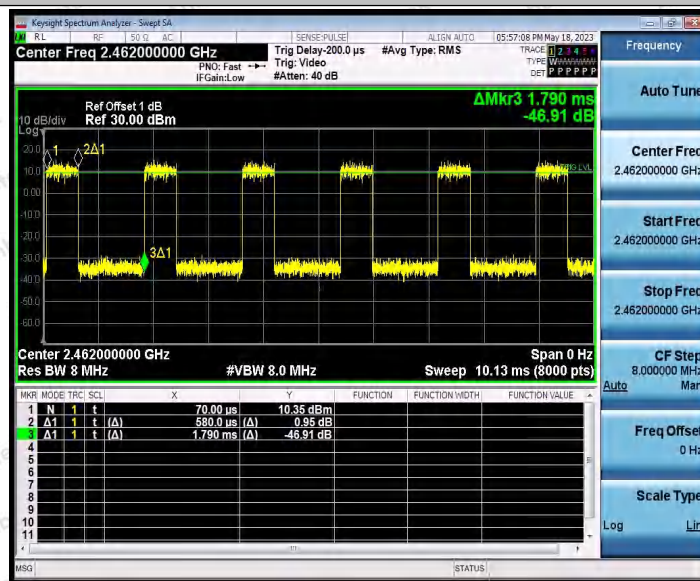
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

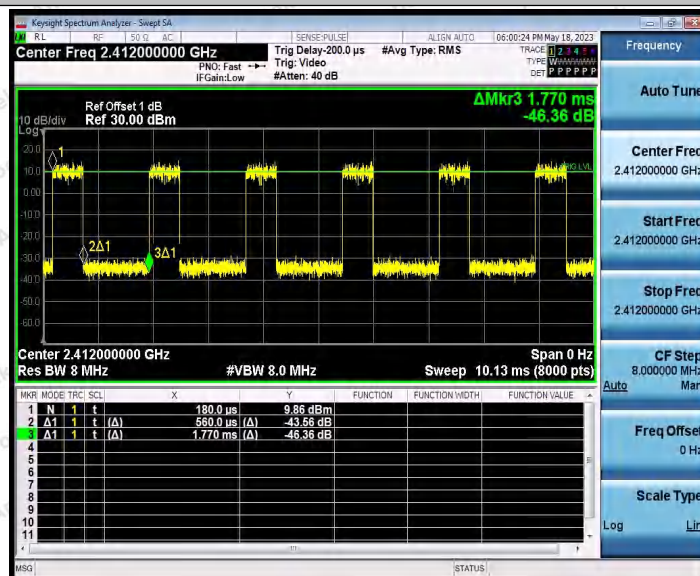
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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