

Appendix Test Data

Report No.:	18220WC40022902	Test Sample No.:	1-2-2
Start Test Date:	2024.2.23	Finish Test Date:	2024.2.24
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.520	2408.000	2416.520	0.5	PASS
		2437	9.560	2432.000	2441.560	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

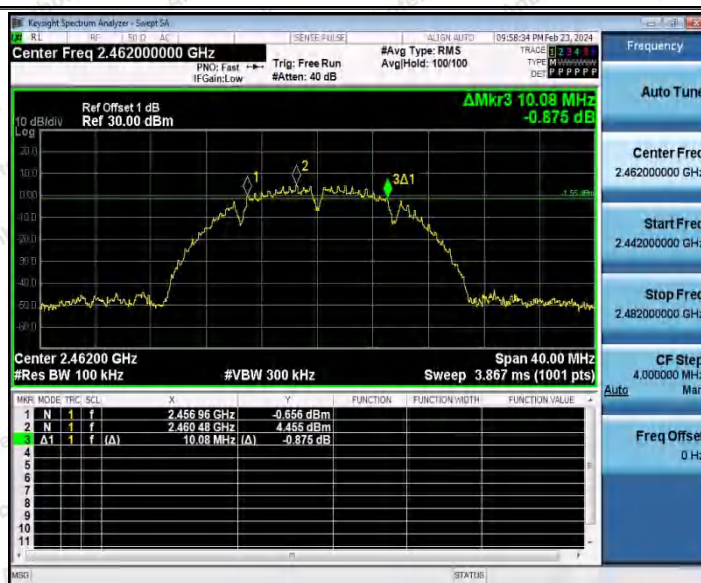
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11G_Ant1_2412



11G_Ant1_2437

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11G_Ant1_2462



11N20SISO_Ant1_2412

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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

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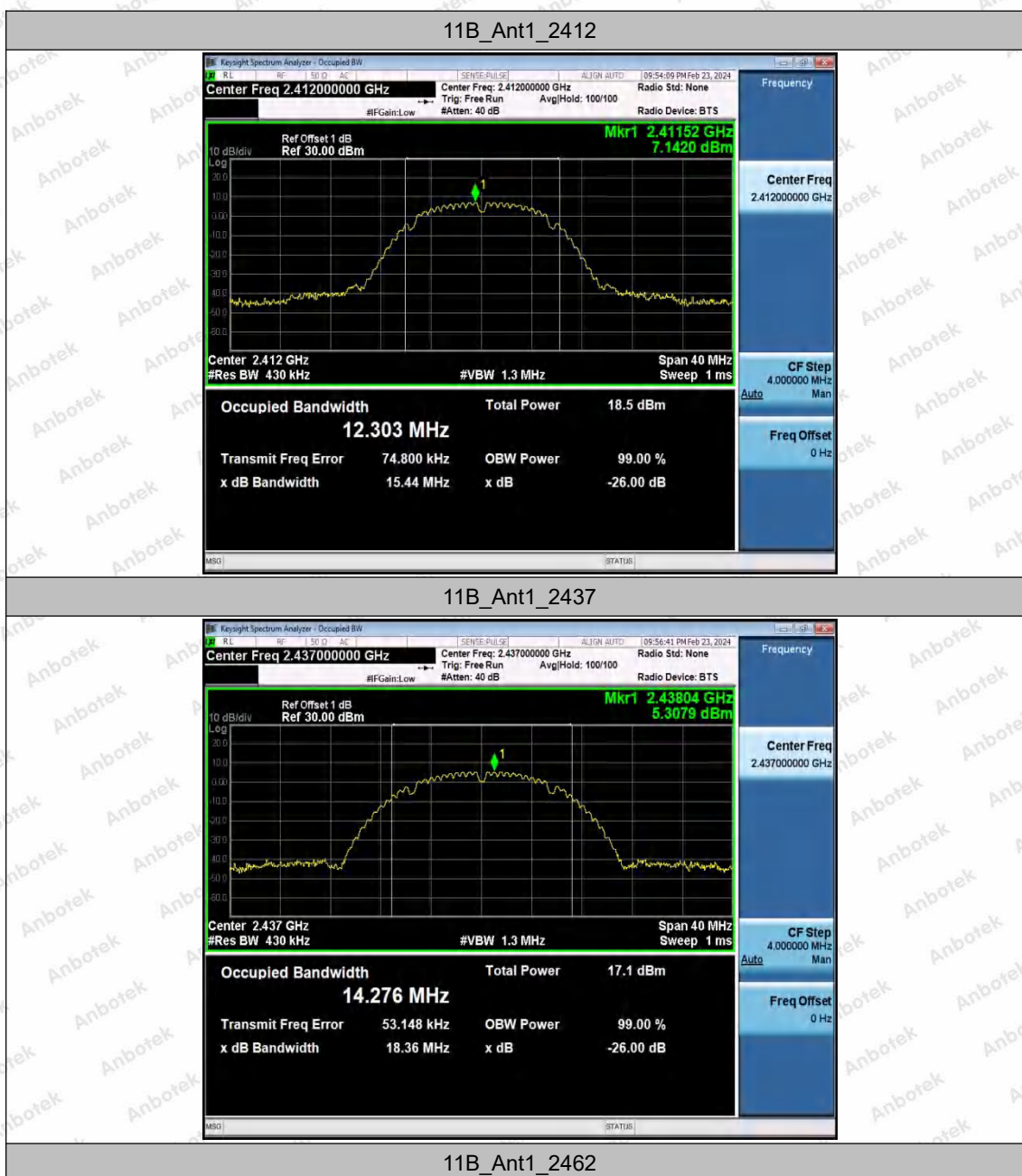
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.303	2405.9233	2418.2263	---	---
		2437	14.276	2429.9152	2444.1912	---	---
		2462	14.276	2454.8777	2469.1537	---	---
11G	Ant1	2412	17.099	2403.4819	2420.5809	---	---
		2437	17.094	2428.4938	2445.5878	---	---
		2462	17.123	2453.4822	2470.6052	---	---
11N20SISO	Ant1	2412	17.973	2403.0702	2421.0432	---	---
		2437	17.964	2428.0684	2446.0324	---	---
		2462	17.966	2453.0625	2471.0285	---	---



Test Graphs



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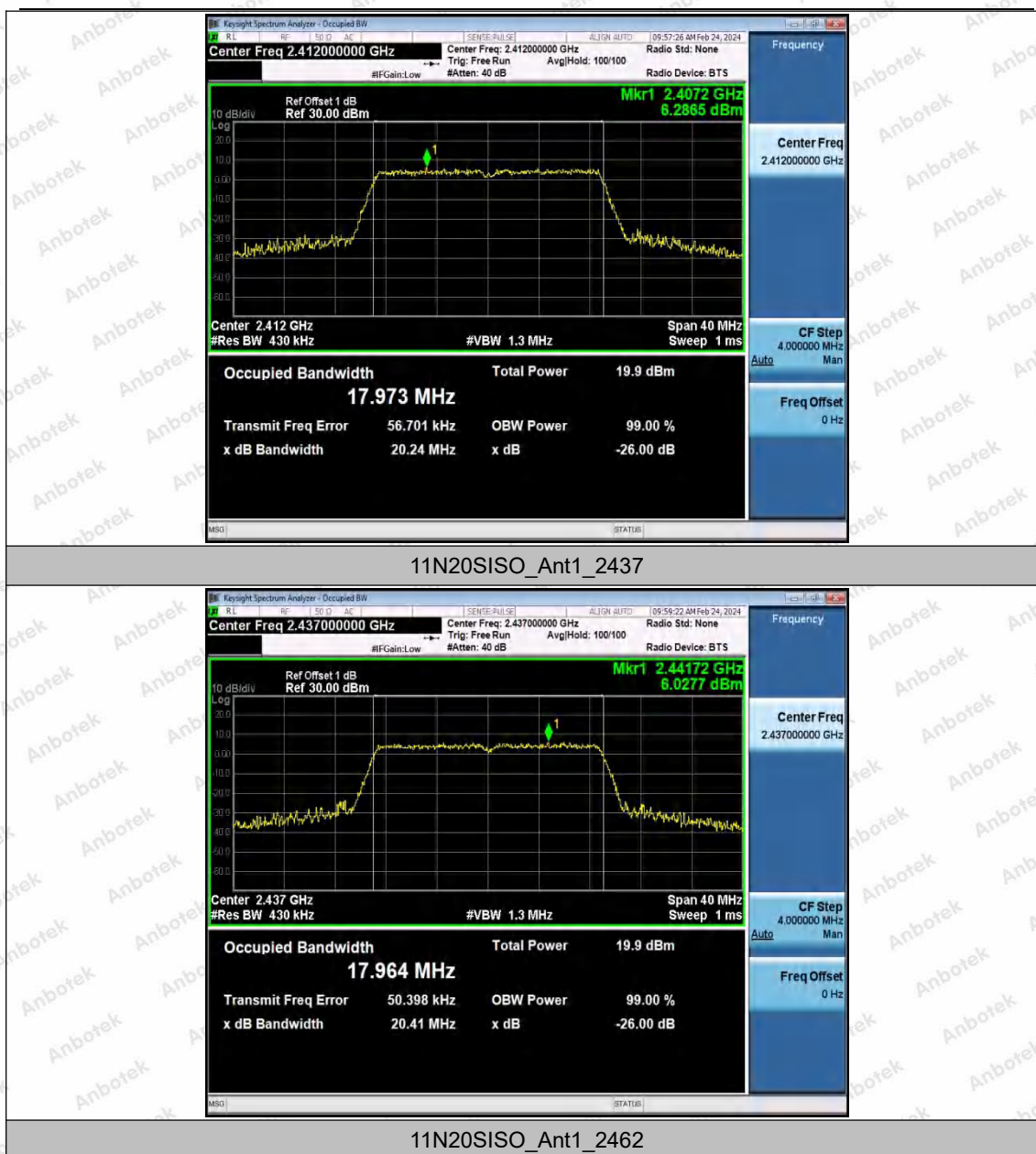
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Appendix C: Maximum conducted output power

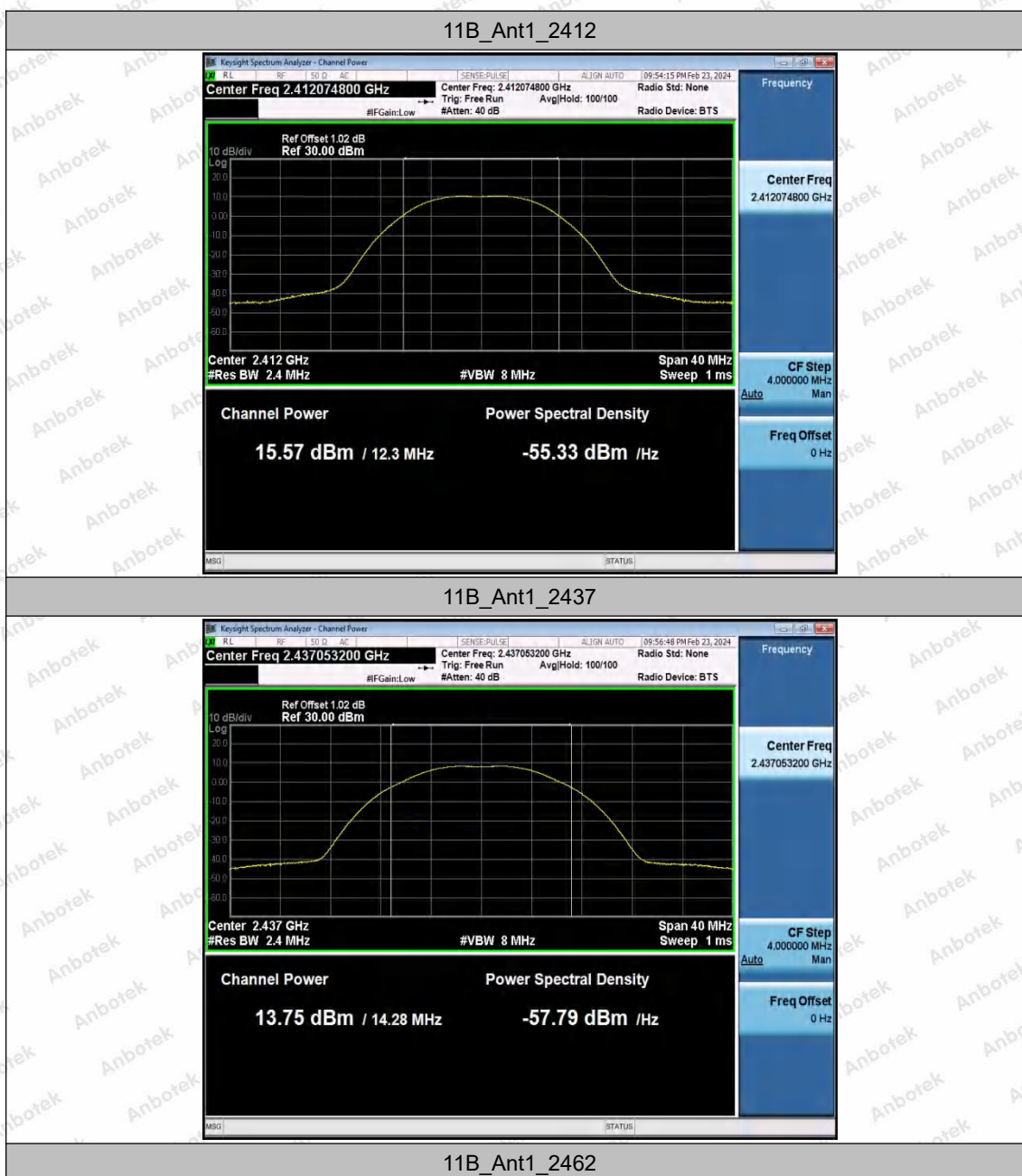
Test Result

TestMode	Antenna	Frequency[MHz]	Average Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	15.57	≤30.00
		2437	13.75	≤30.00
		2462	14.15	≤30.00
11G	Ant1	2412	13.67	≤30.00
		2437	13.79	≤30.00
		2462	13.90	≤30.00
11N20SISO	Ant1	2412	13.67	≤30.00
		2437	13.88	≤30.00
		2462	13.53	≤30.00

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.



Test Graphs



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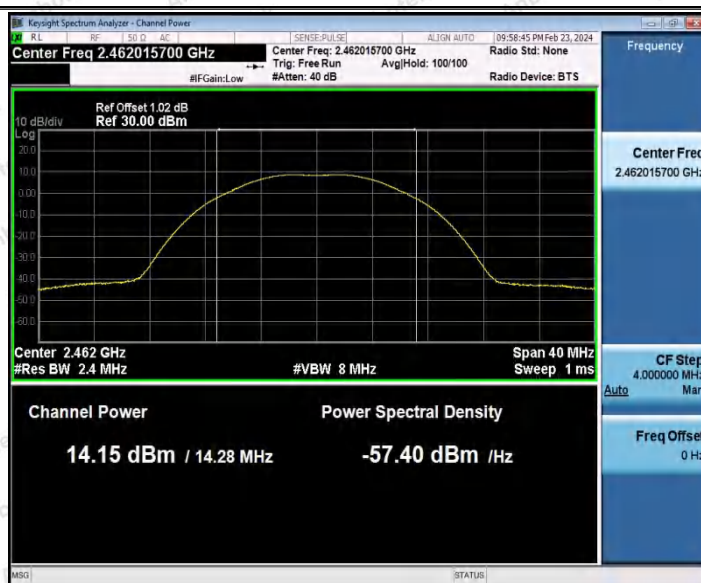


Hotline

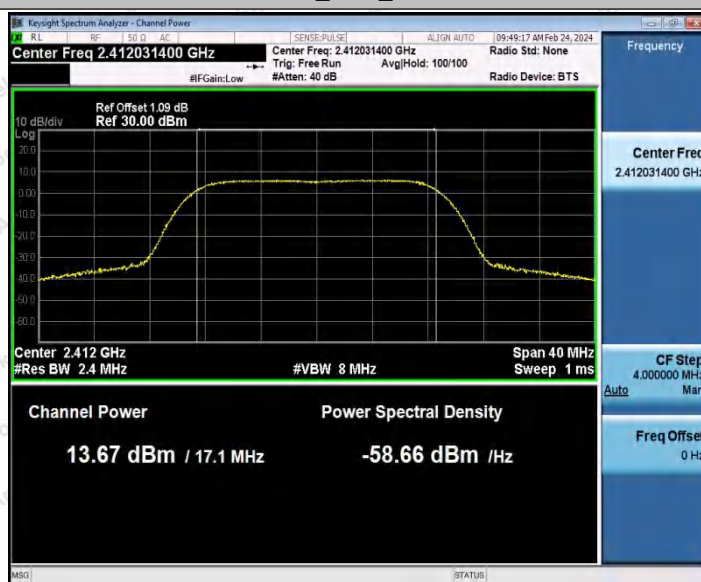
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11G_Ant1_2412



11G_Ant1_2437

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11G_Ant1_2462



11N20SISO_Ant1_2412

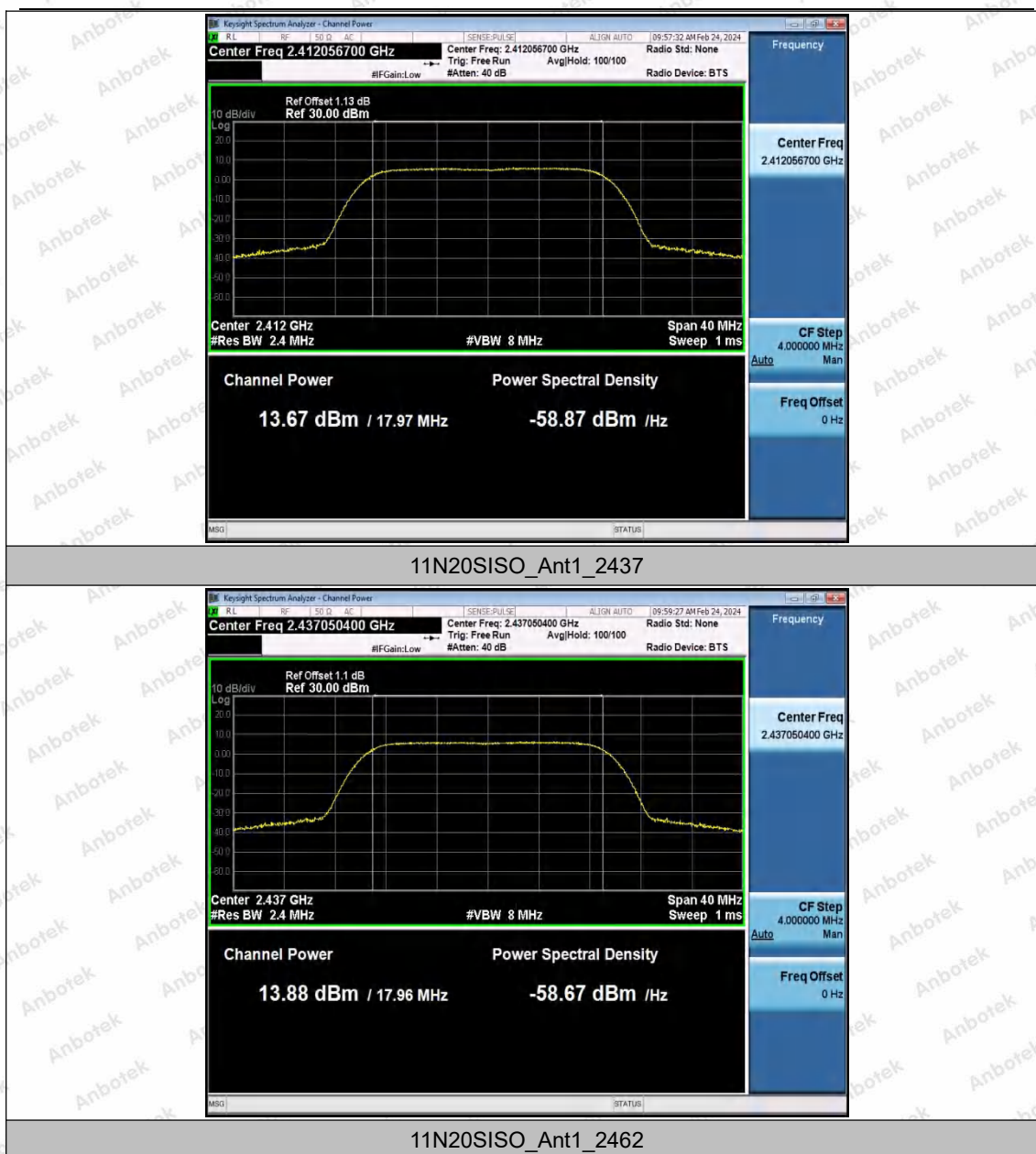
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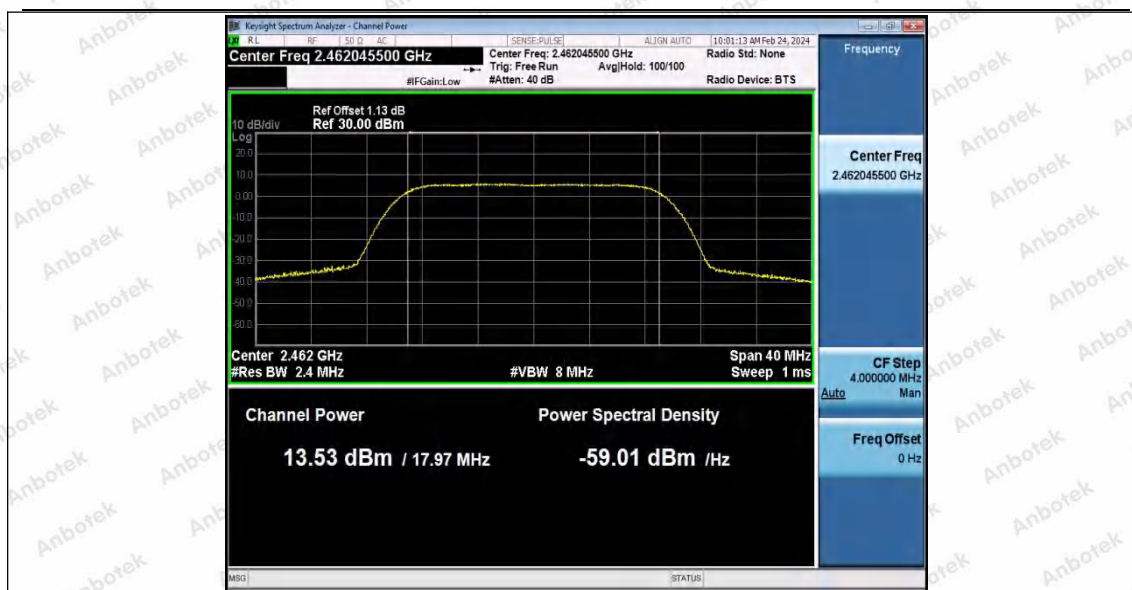
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.49	-16.49	≤8.00	PASS
		2437	-8.45	-18.45	≤8.00	PASS
		2462	-7.95	-17.95	≤8.00	PASS
11G	Ant1	2412	-10.43	-20.43	≤8.00	PASS
		2437	-10.69	-20.69	≤8.00	PASS
		2462	-10.44	-20.44	≤8.00	PASS
11N20SISO	Ant1	2412	-10.82	-20.82	≤8.00	PASS
		2437	-10.46	-20.46	≤8.00	PASS
		2462	-11.03	-21.03	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

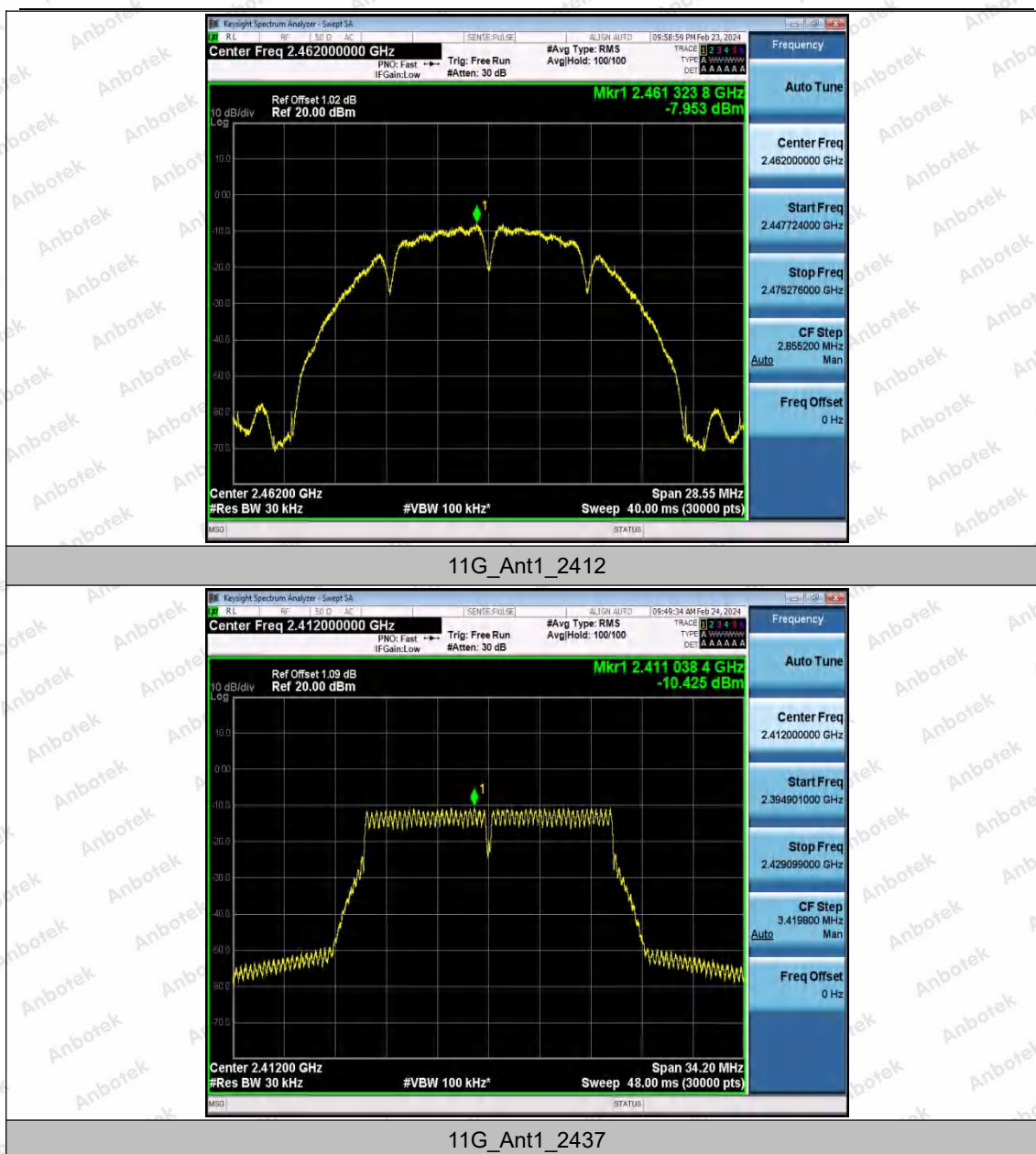
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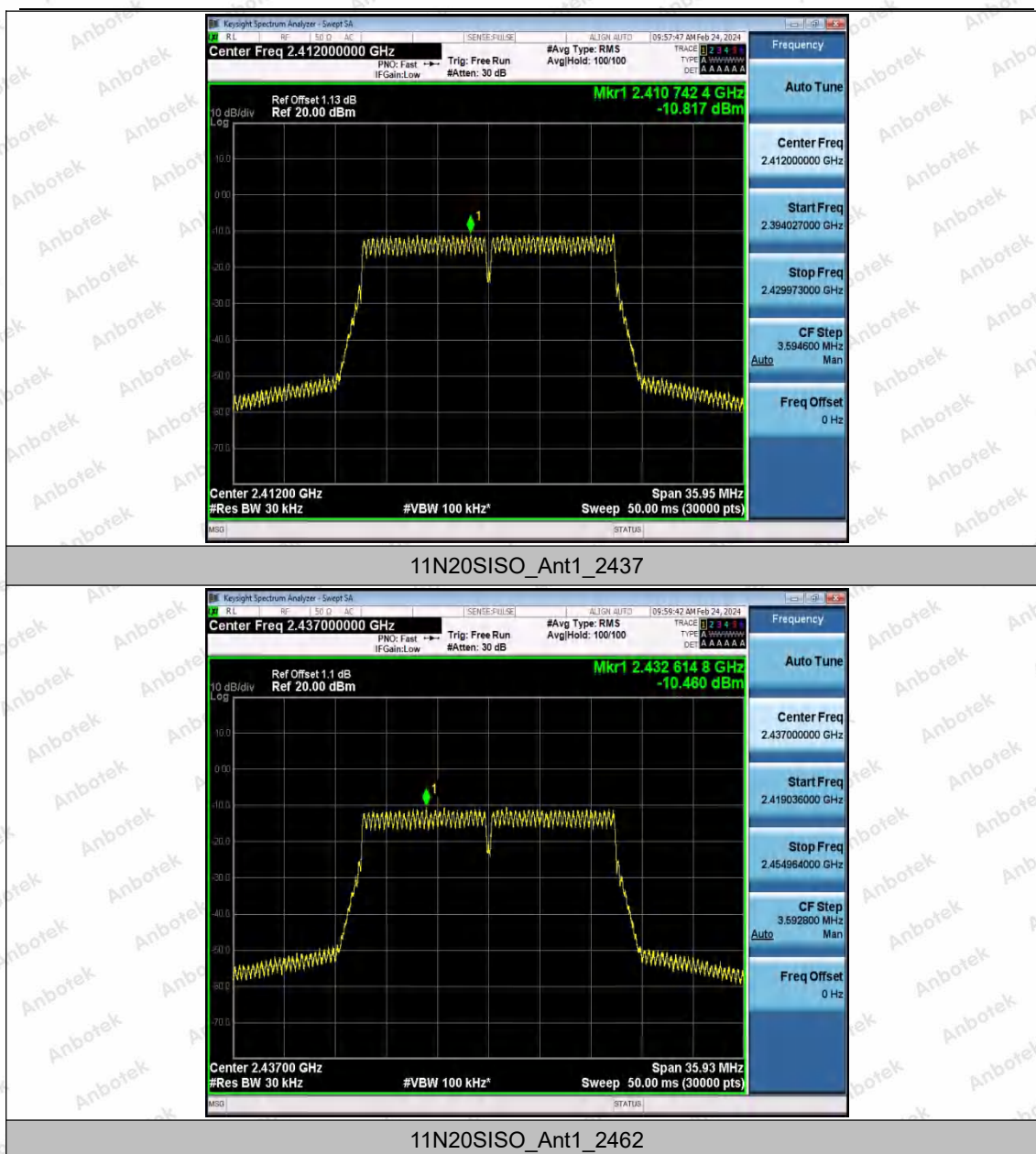
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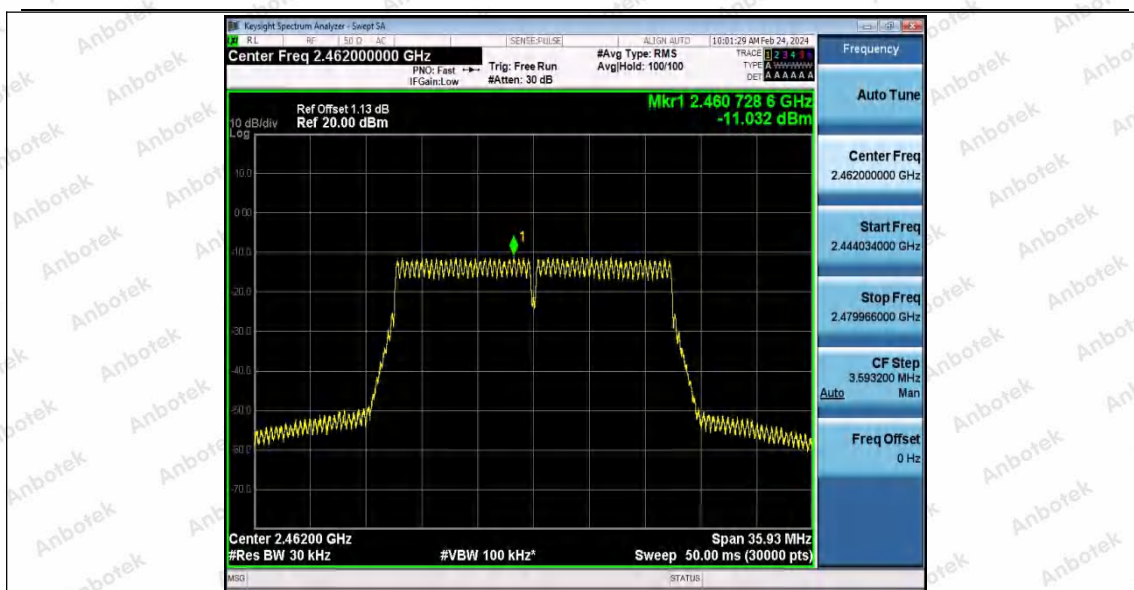
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Appendix E: Band edge measurements

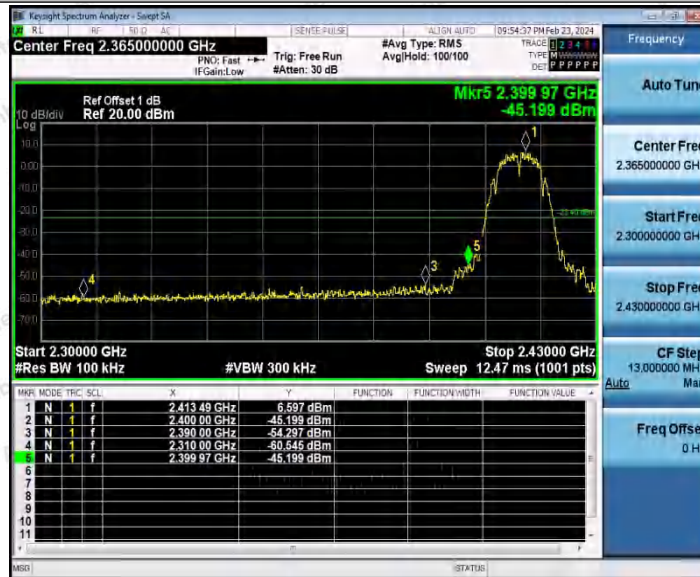
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.60	-45.2	≤-23.4	PASS
		High	2462	5.01	-54.72	≤-24.99	PASS
11G	Ant1	Low	2412	2.93	-36.16	≤-27.07	PASS
		High	2462	2.47	-48.25	≤-27.53	PASS
11N20SISO	Ant1	Low	2412	2.70	-35.73	≤-27.3	PASS
		High	2462	2.21	-46.25	≤-27.79	PASS

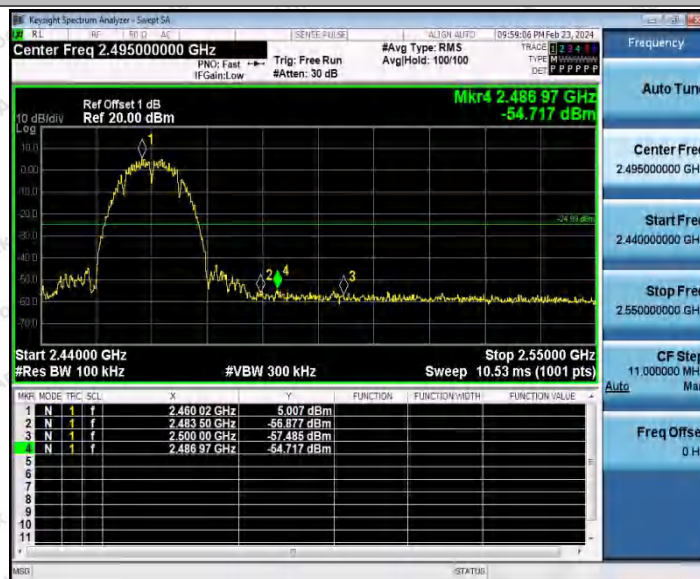


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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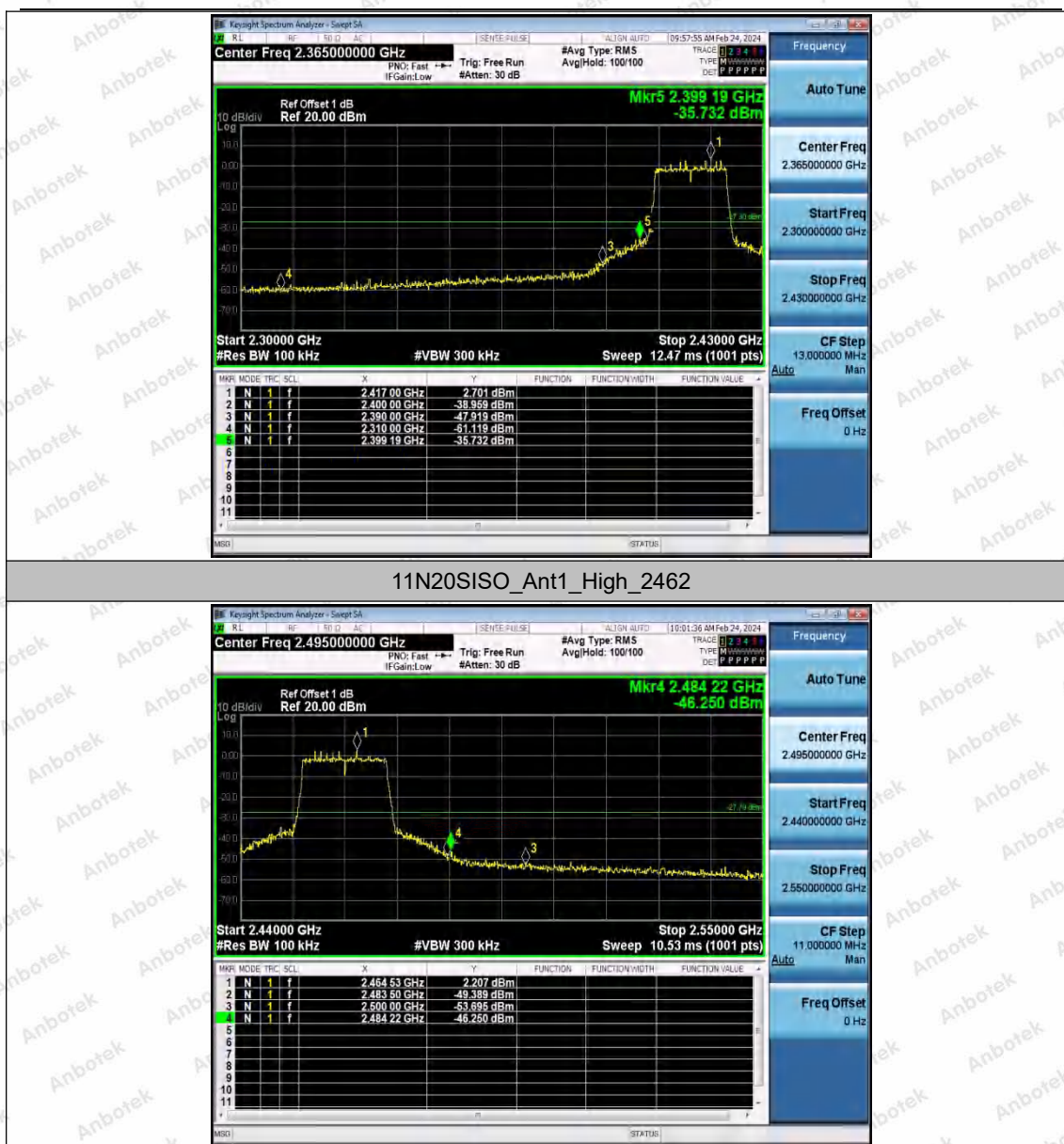
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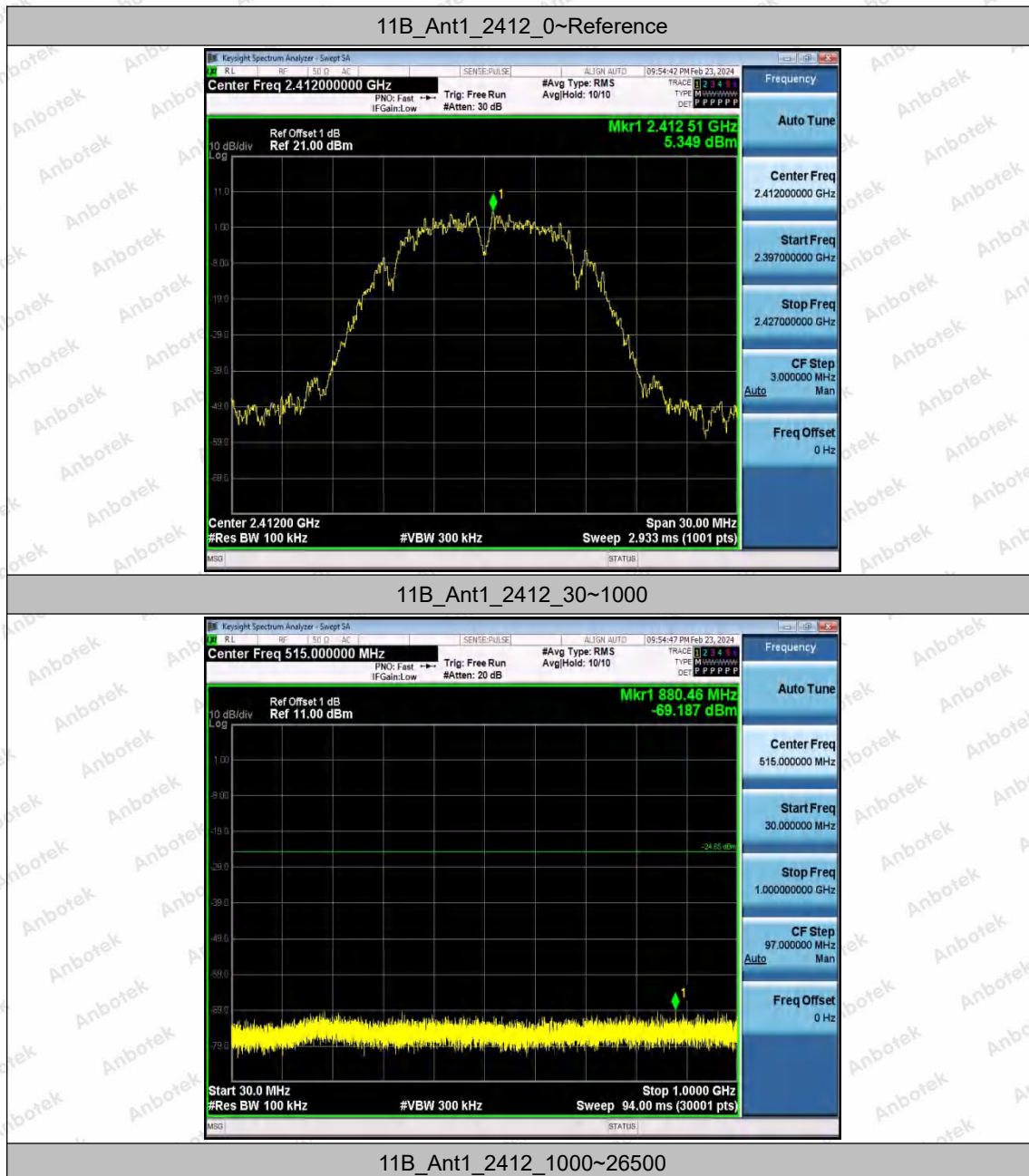
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.35	5.35	---	PASS
			30~1000	5.35	-69.19	≤-24.65	PASS
			1000~26500	5.35	-52.84	≤-24.65	PASS
		2437	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-68.86	≤-26.36	PASS
			1000~26500	3.64	-52.99	≤-26.36	PASS
		2462	Reference	5.14	5.14	---	PASS
			30~1000	5.14	-68.82	≤-24.86	PASS
			1000~26500	5.14	-53.89	≤-24.86	PASS
11G	Ant1	2412	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-68.34	≤-30.76	PASS
			1000~26500	-0.76	-54.12	≤-30.76	PASS
		2437	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-63.31	≤-27.31	PASS
			1000~26500	2.69	-53.79	≤-27.31	PASS
		2462	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-69.25	≤-29.49	PASS
			1000~26500	0.51	-53.35	≤-29.49	PASS
11N20SISO	Ant1	2412	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-68.62	≤-27.92	PASS
			1000~26500	2.08	-53.57	≤-27.92	PASS
		2437	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-68.69	≤-31.05	PASS
			1000~26500	-1.05	-53.32	≤-31.05	PASS
		2462	Reference	2.45	2.45	---	PASS
			30~1000	2.45	-68.7	≤-27.55	PASS
			1000~26500	2.45	-44.01	≤-27.55	PASS



Test Graphs



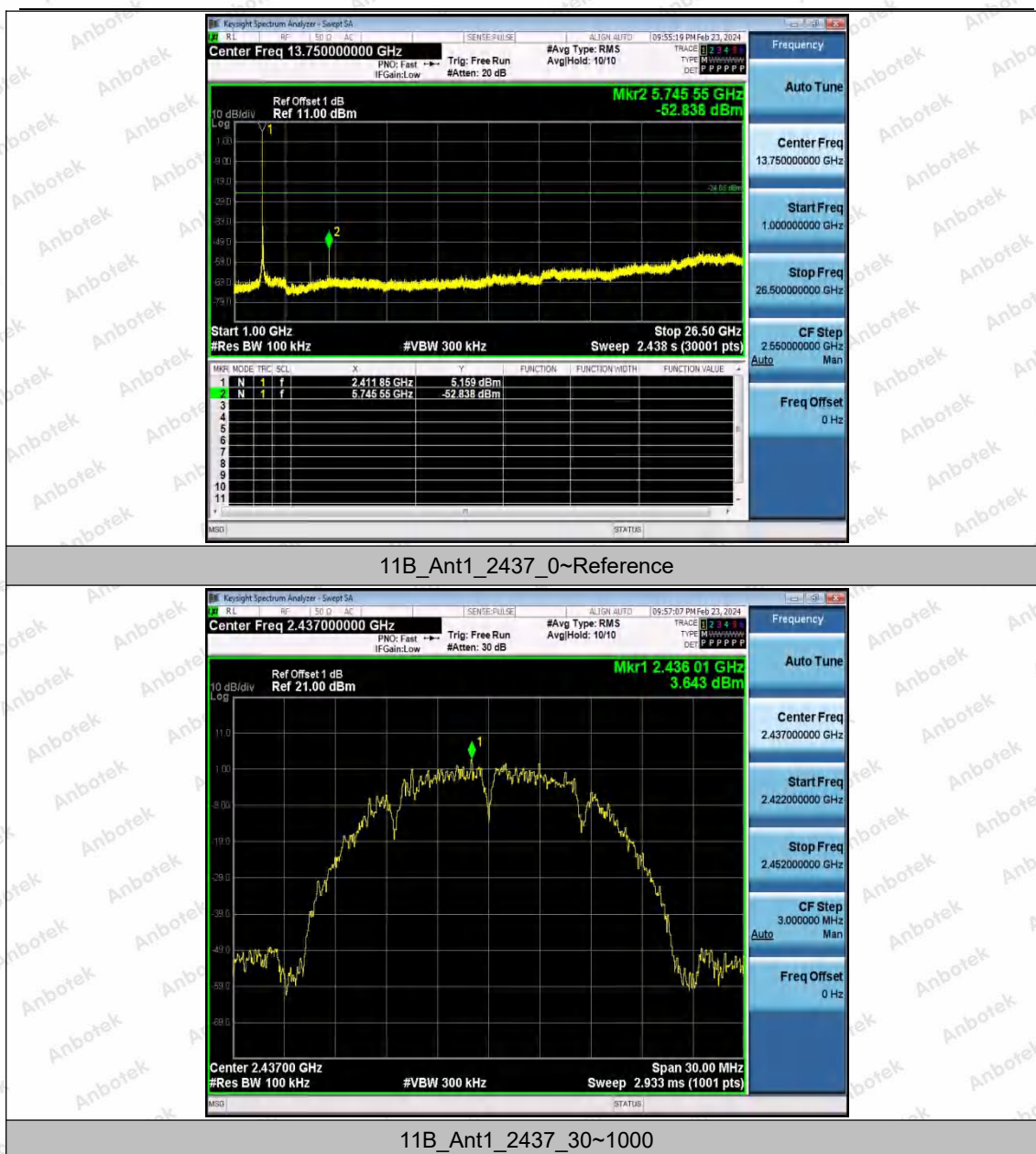
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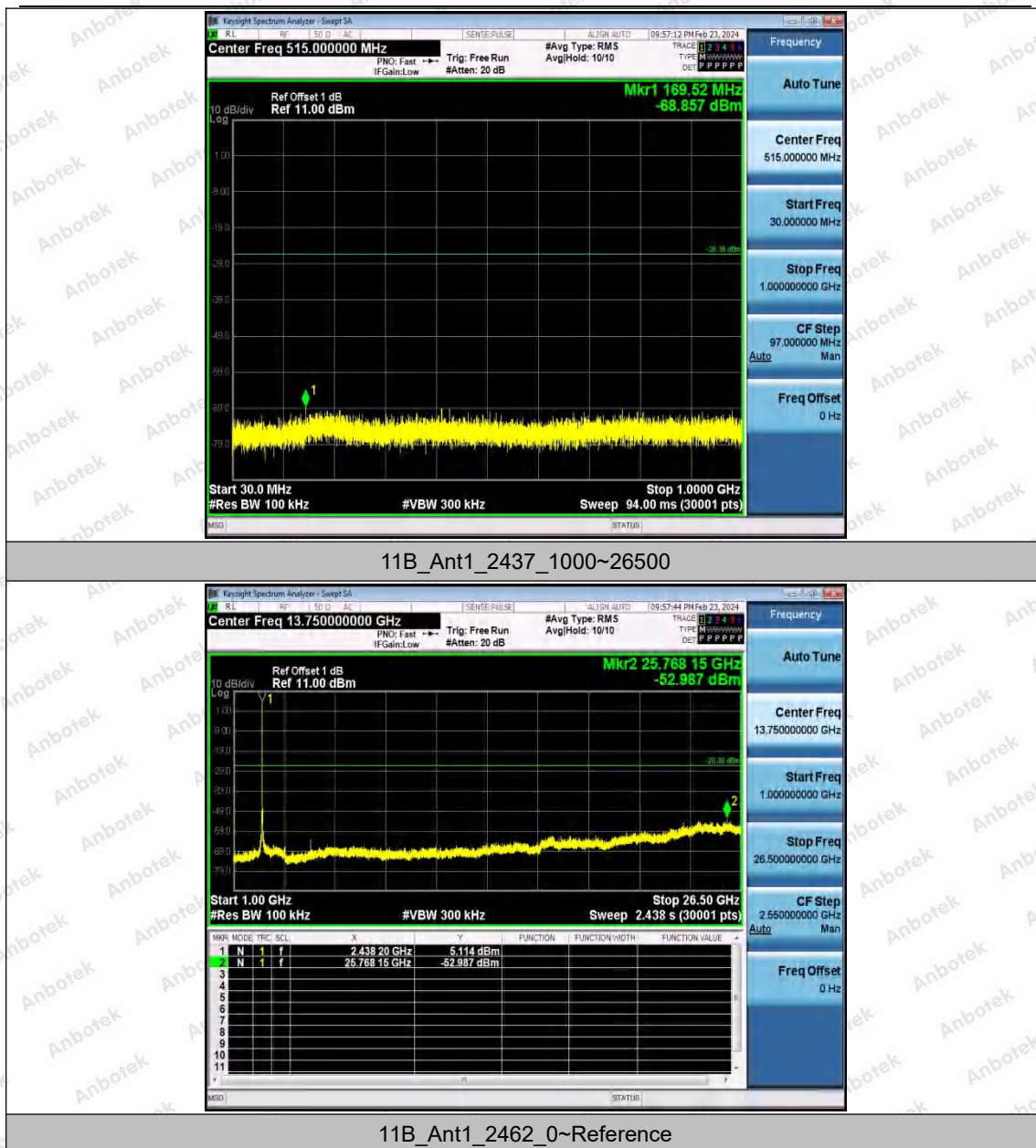
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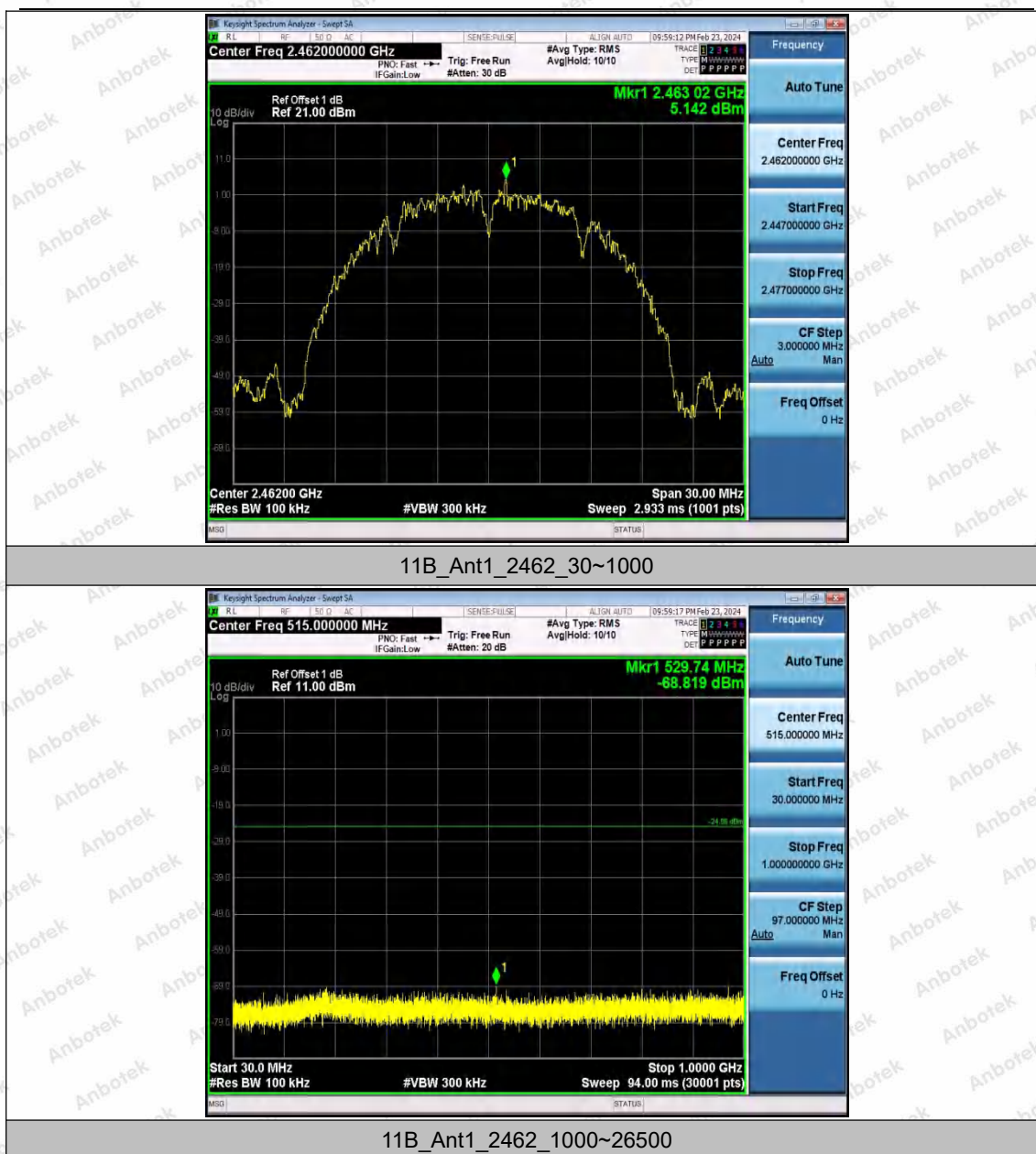
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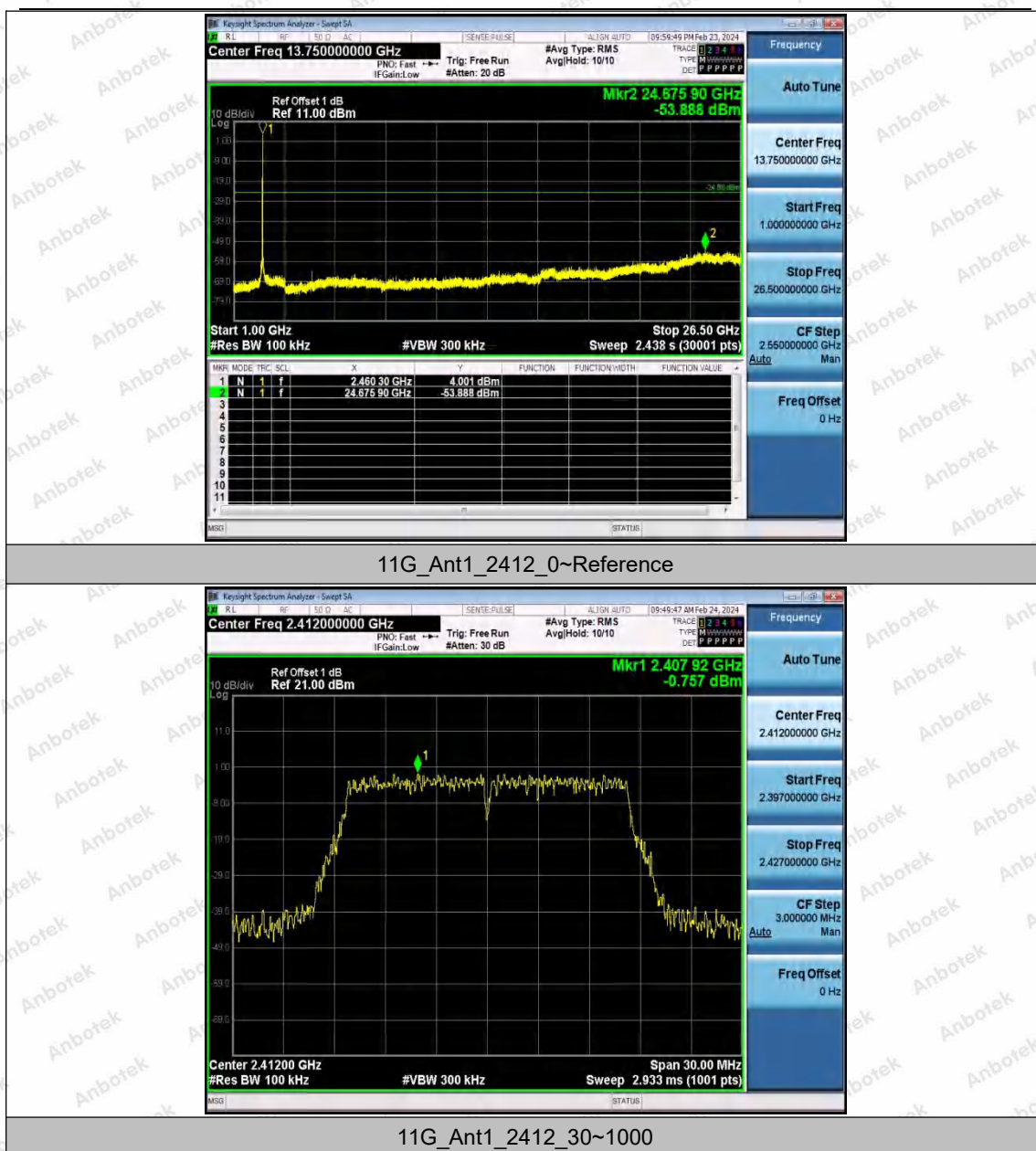
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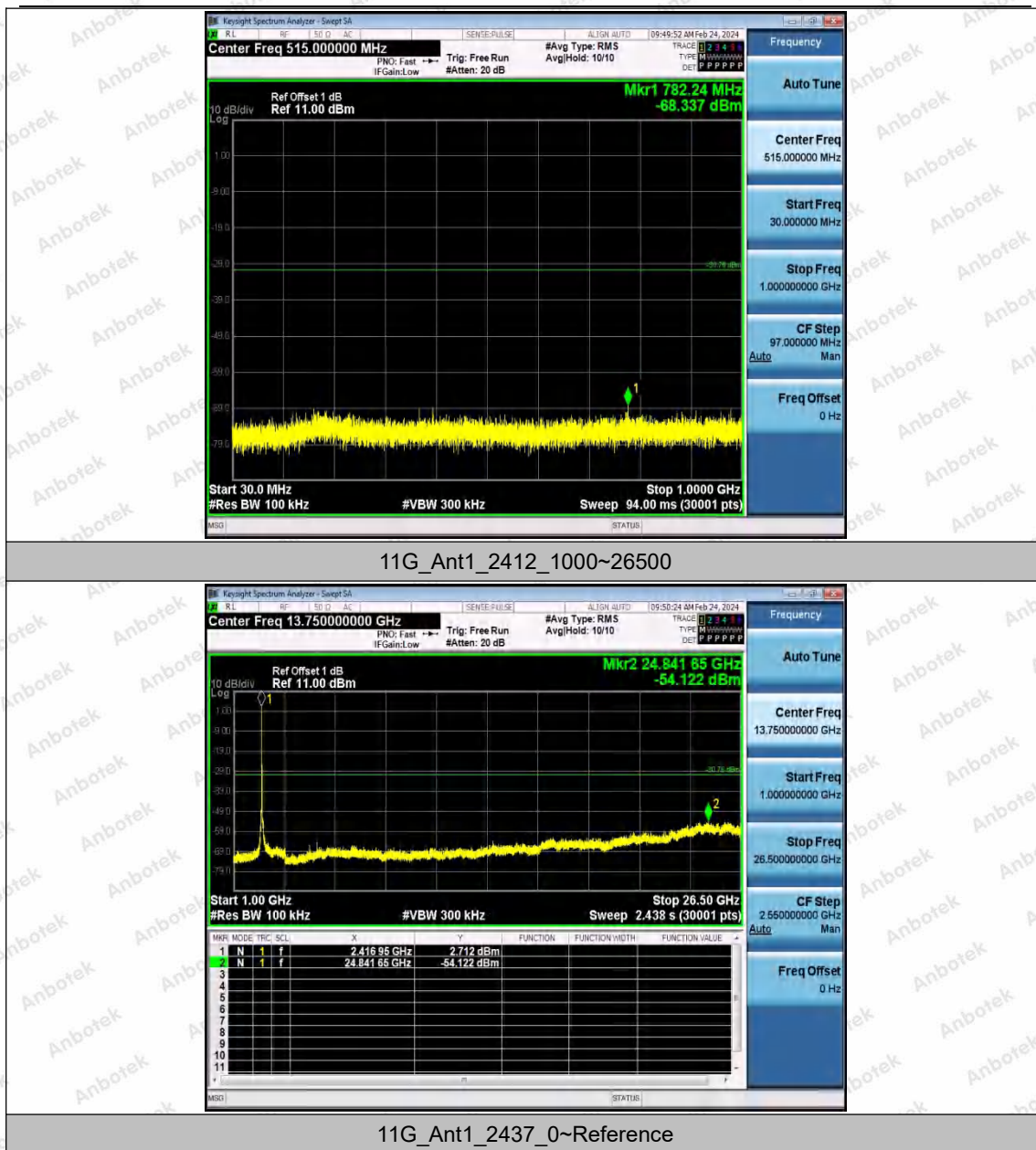
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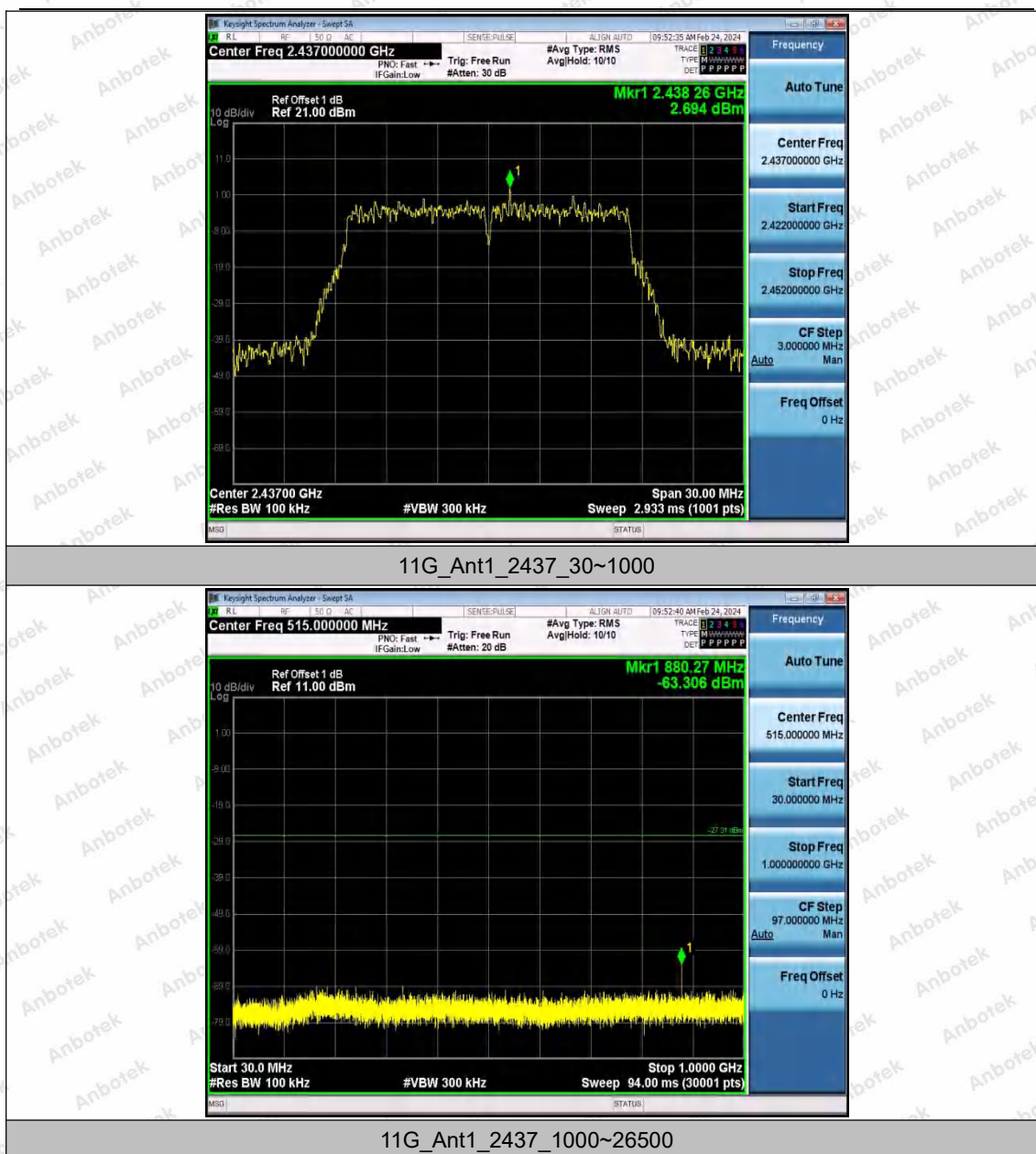
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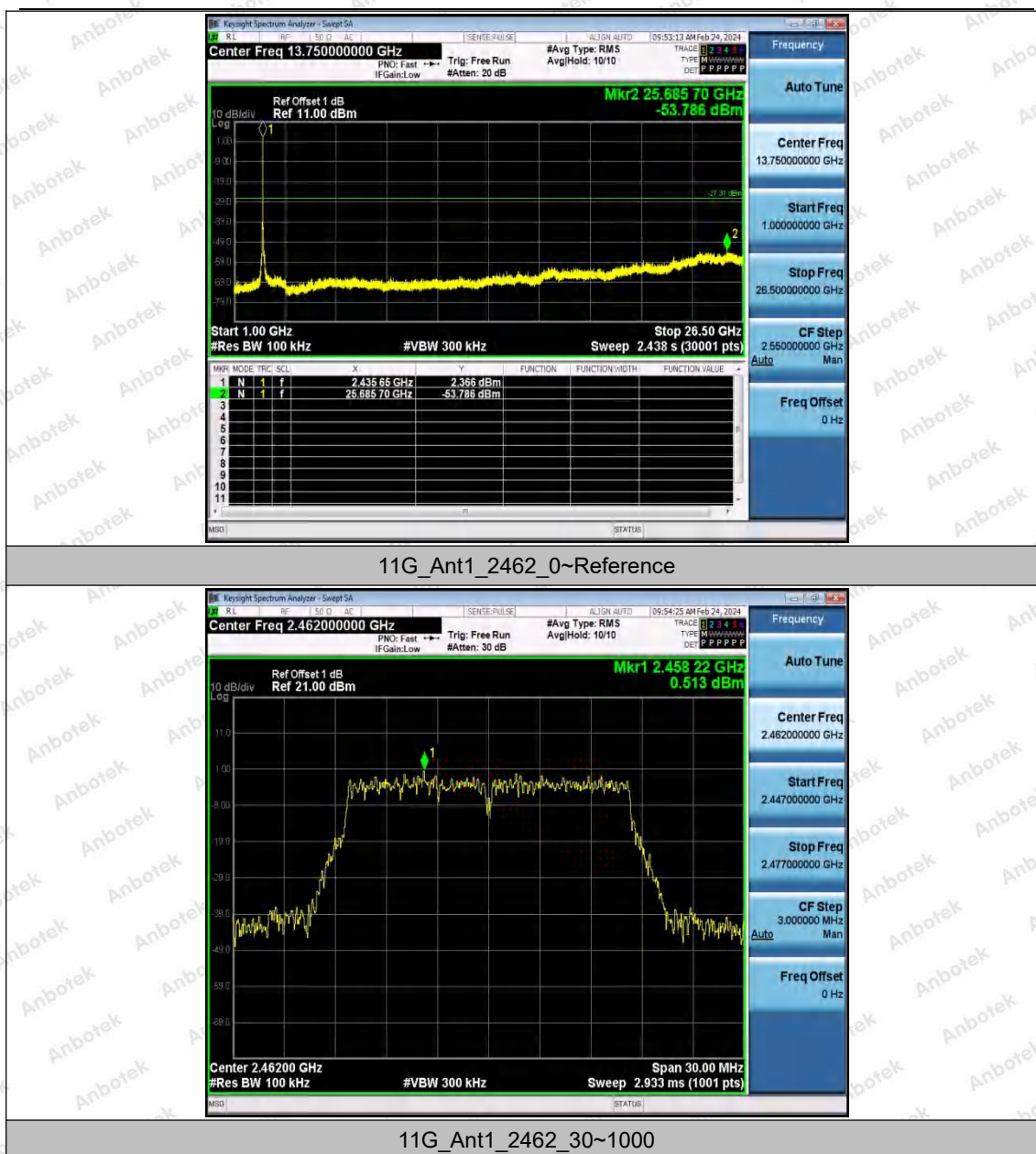
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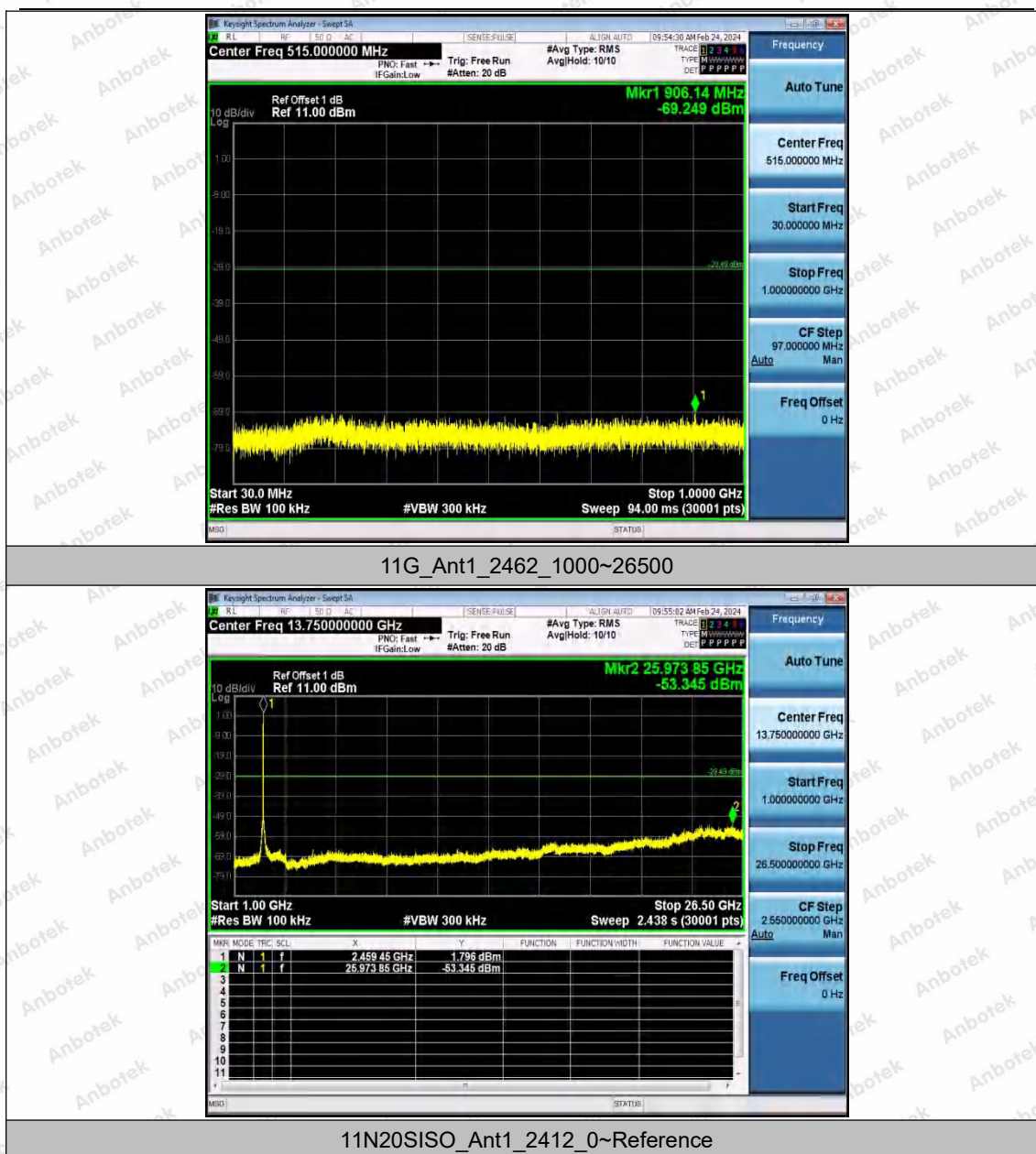
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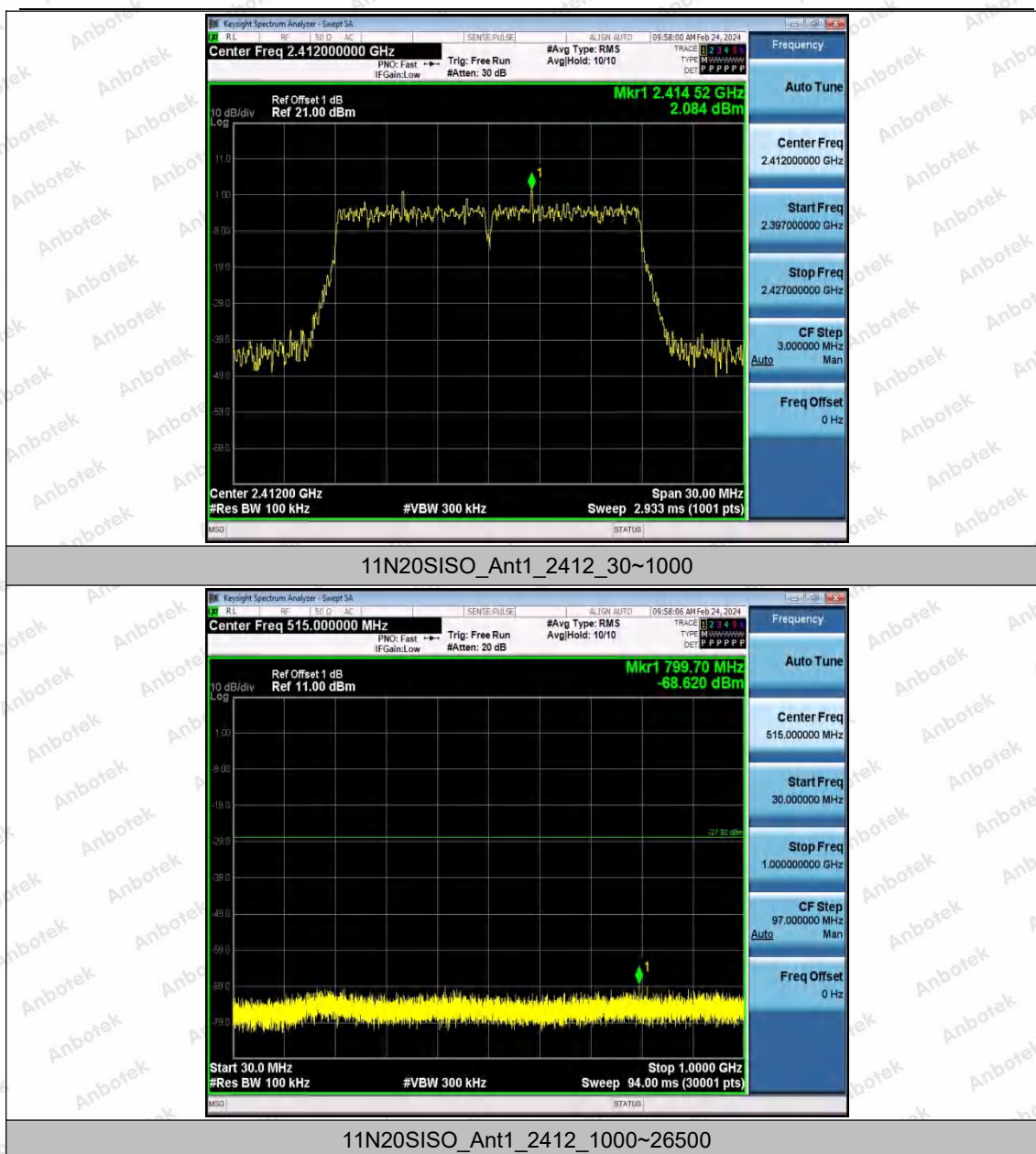
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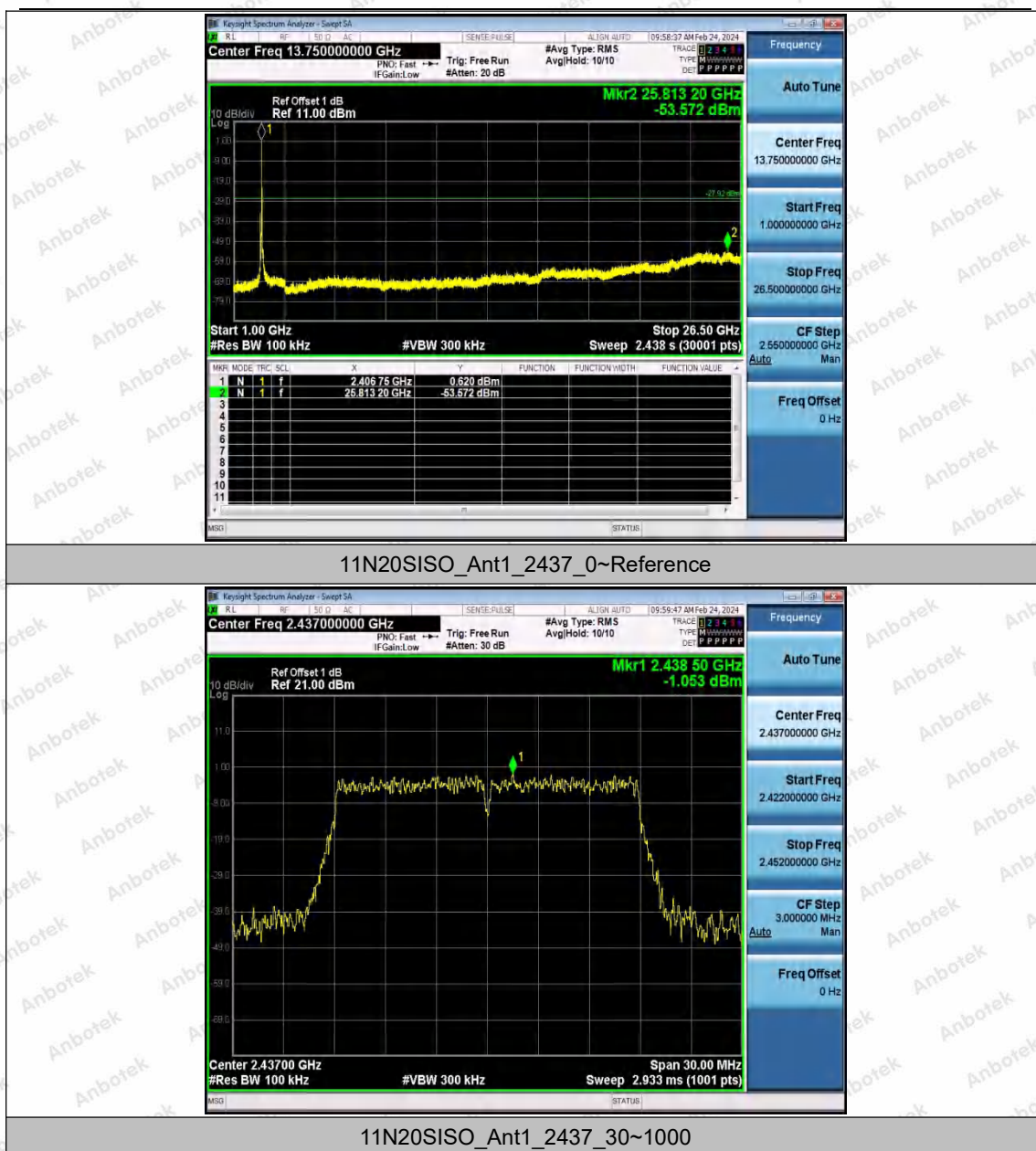
Shenzhen Anbotek Compliance Laboratory Limited

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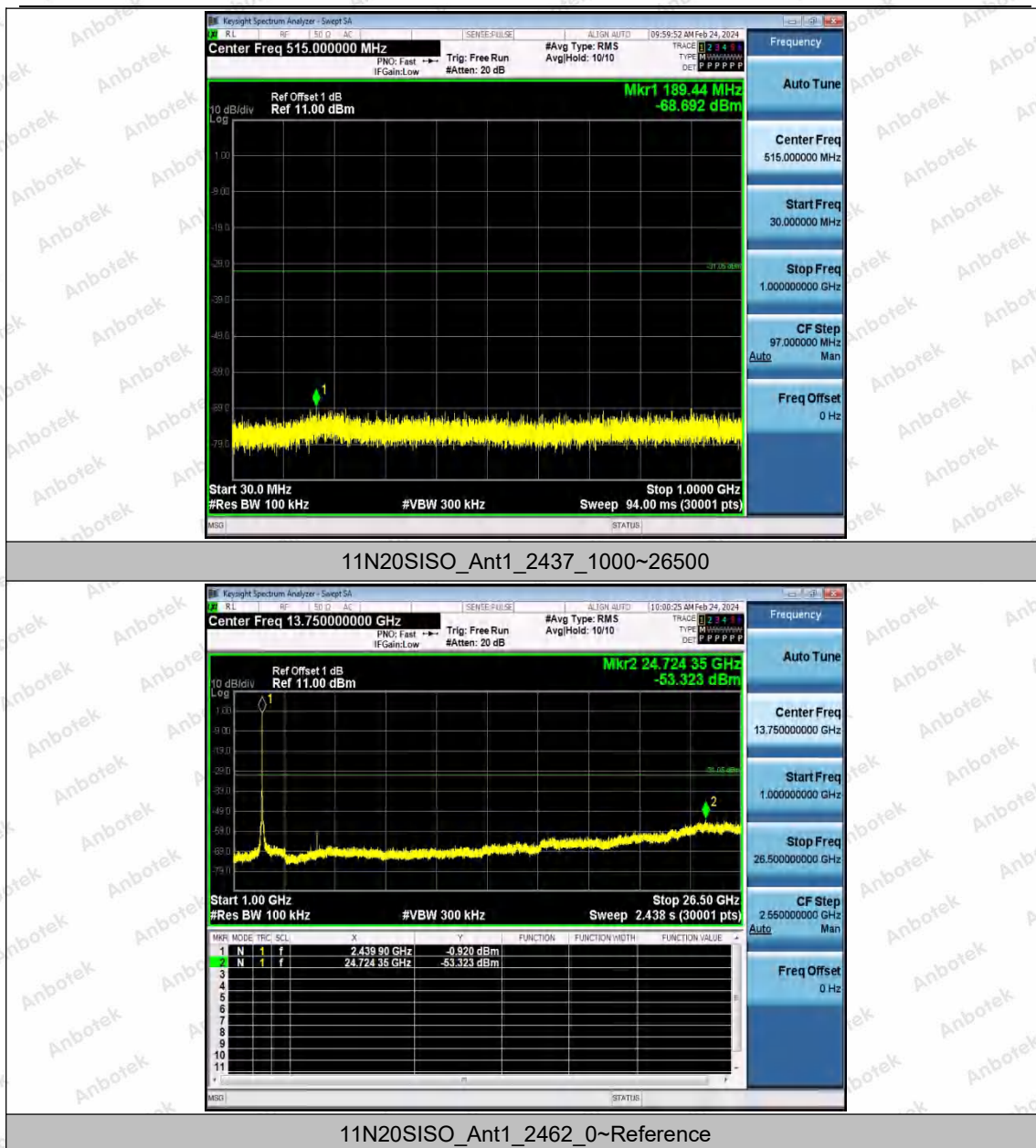
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Appendix G: Duty Cycle

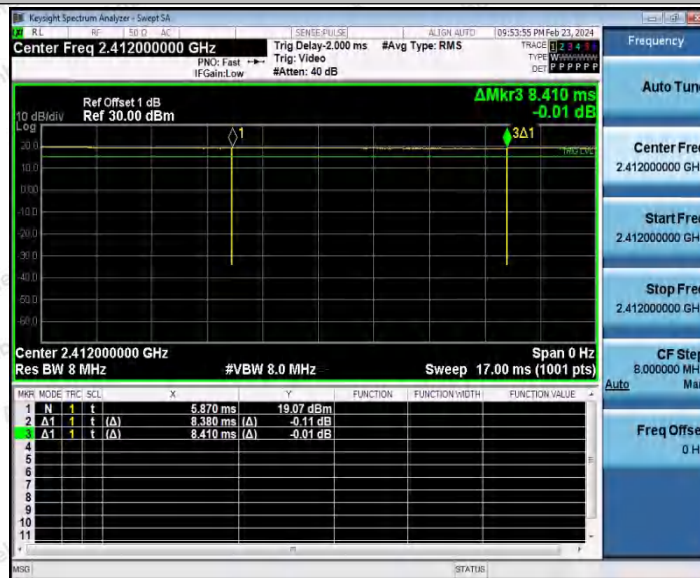
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
		2437	8.39	8.42	99.64	0.02
		2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.39	1.42	97.89	0.09
		2437	1.39	1.43	97.20	0.12
		2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13
		2437	1.30	1.33	97.74	0.10
		2462	1.30	1.34	97.01	0.13



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

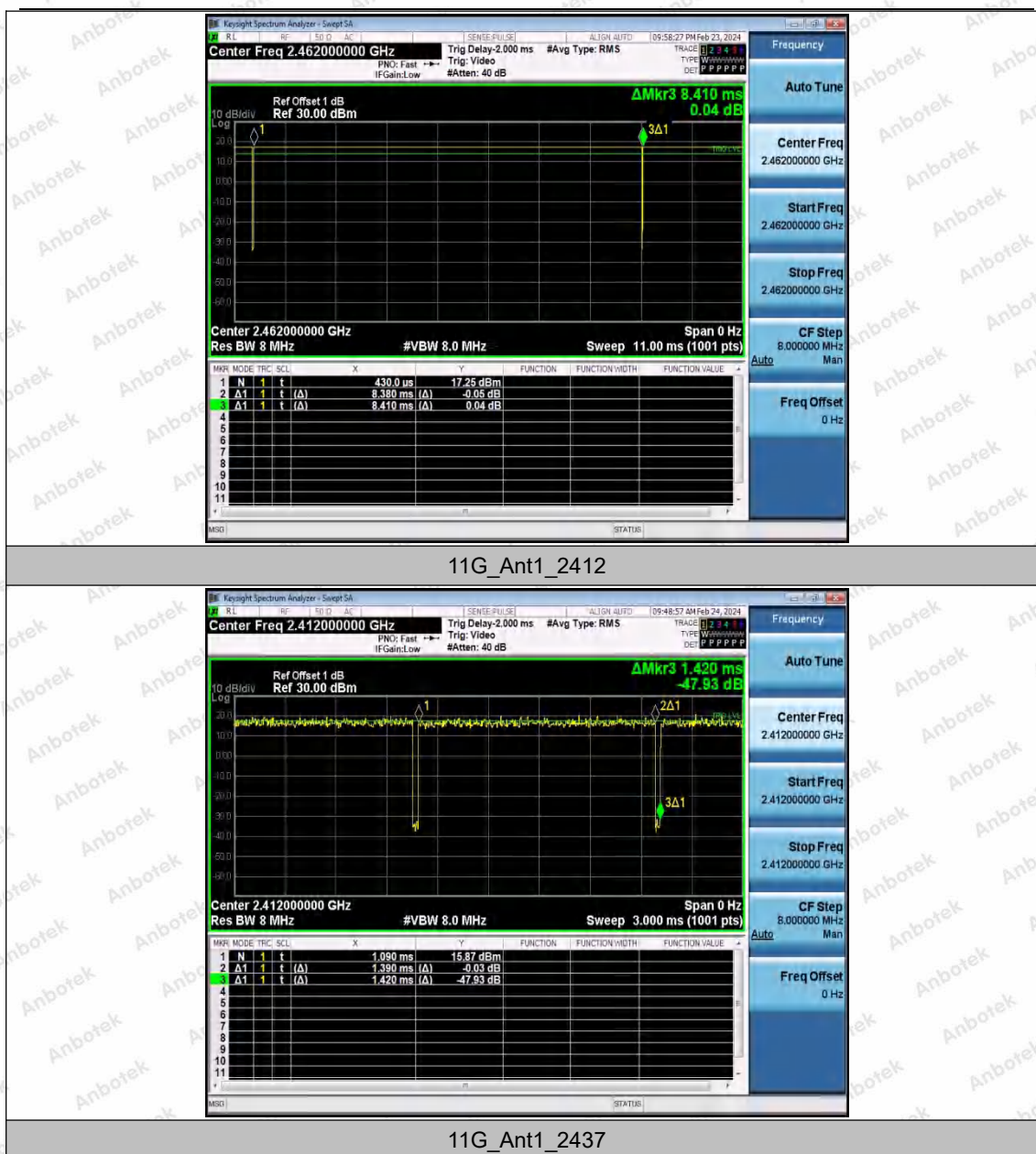
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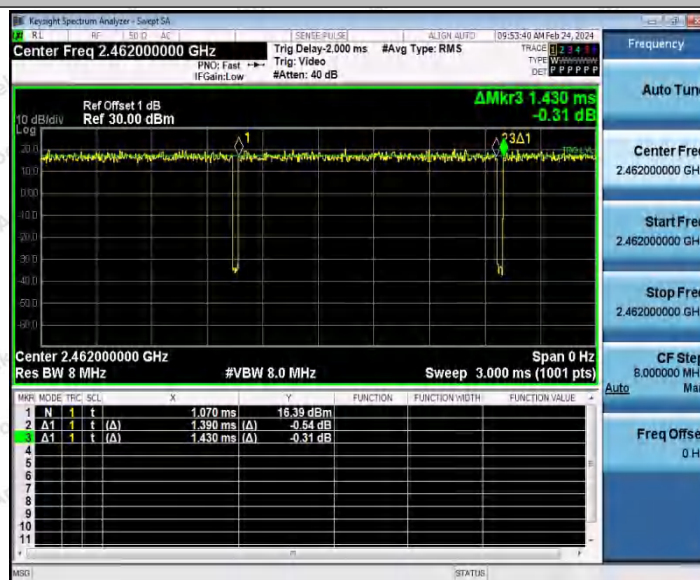


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11G_Ant1_2462



11N20SISO_Ant1_2412

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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

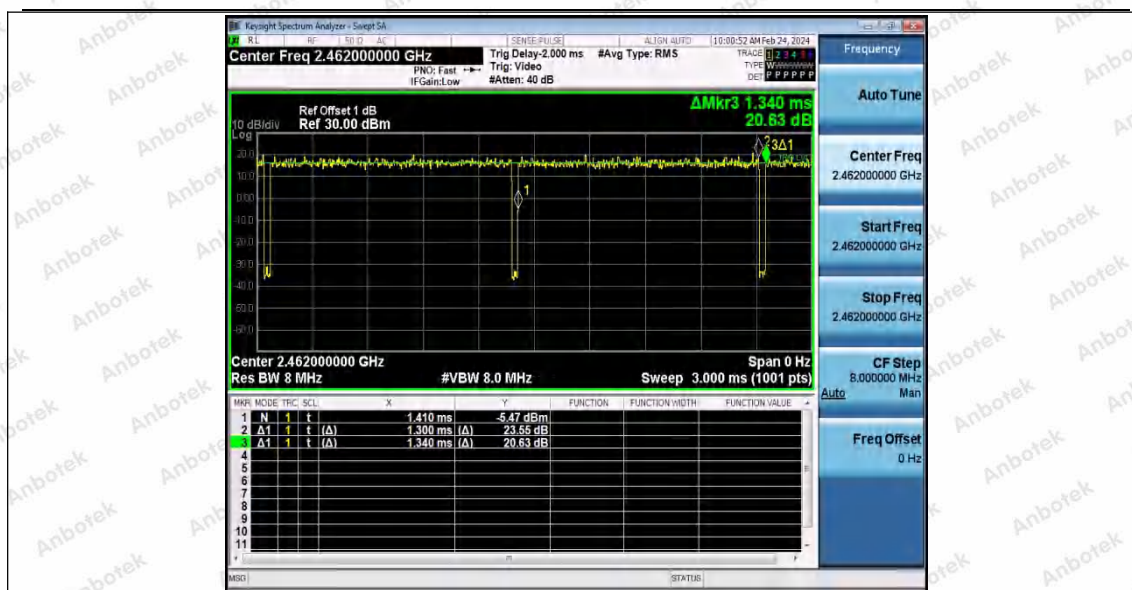
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