

Appendix Test Data

Report No.:	18220WC30057802	Test Sample No.:	1-2-2
Start Test Date:	2023.04.07	Finish Test Date:	2023.04.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.3℃	Relative Humidity:	42%
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	8.120	2407.960	2416.080	≥0.5	PASS
		2437	9.040	2432.480	2441.520	≥0.5	PASS
		2462	8.040	2458.000	2466.040	≥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	16.360	2453.840	2470.200	≥0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	≥0.5	PASS
		2437	17.560	2428.240	2445.800	≥0.5	PASS
		2462	17.280	2453.520	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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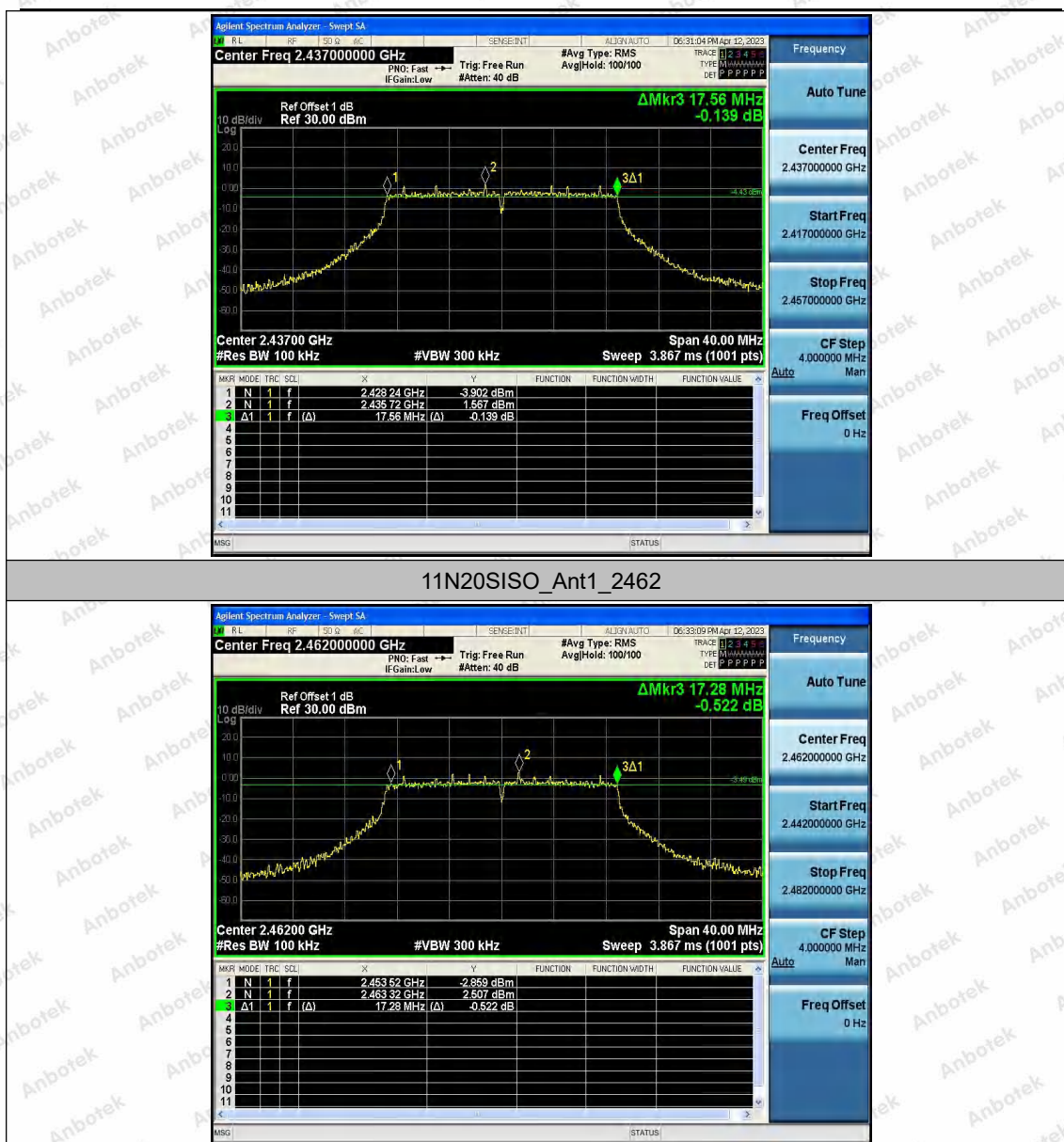
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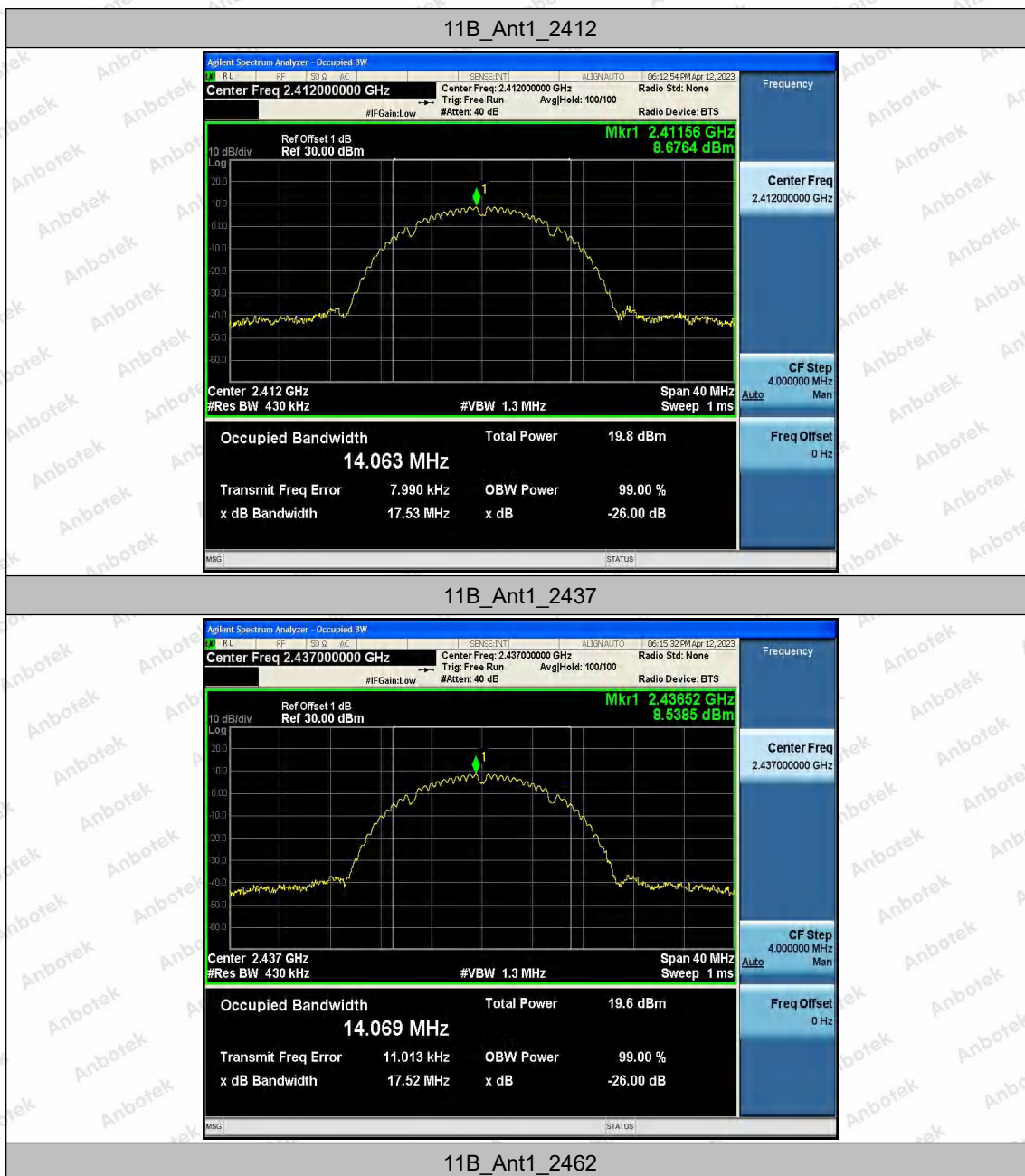
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.063	2404.9765	2419.0395
		2437	14.069	2429.9765	2444.0455
		2462	14.083	2454.9769	2469.0599
11G	Ant1	2412	17.053	2403.4353	2420.4883
		2437	17.188	2428.4360	2445.6240
		2462	17.135	2453.5047	2470.6397
11N20SISO	Ant1	2412	18.296	2402.8682	2421.1642
		2437	18.179	2427.9526	2446.1316
		2462	18.234	2452.9241	2471.1581



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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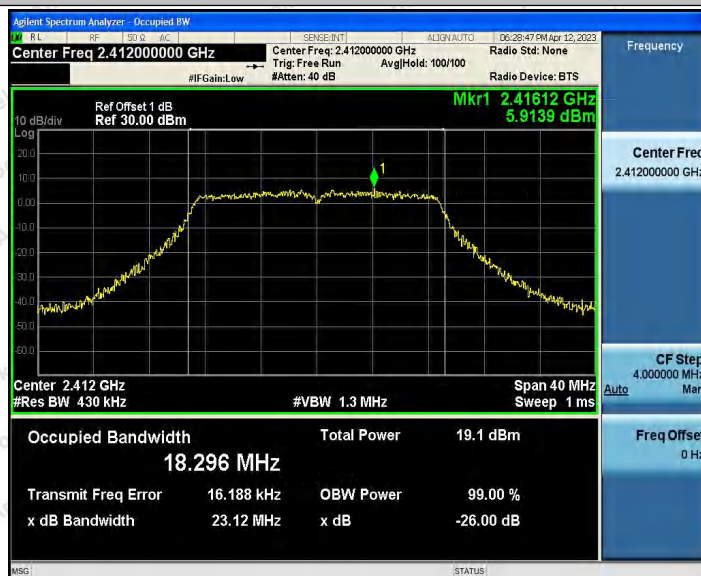
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

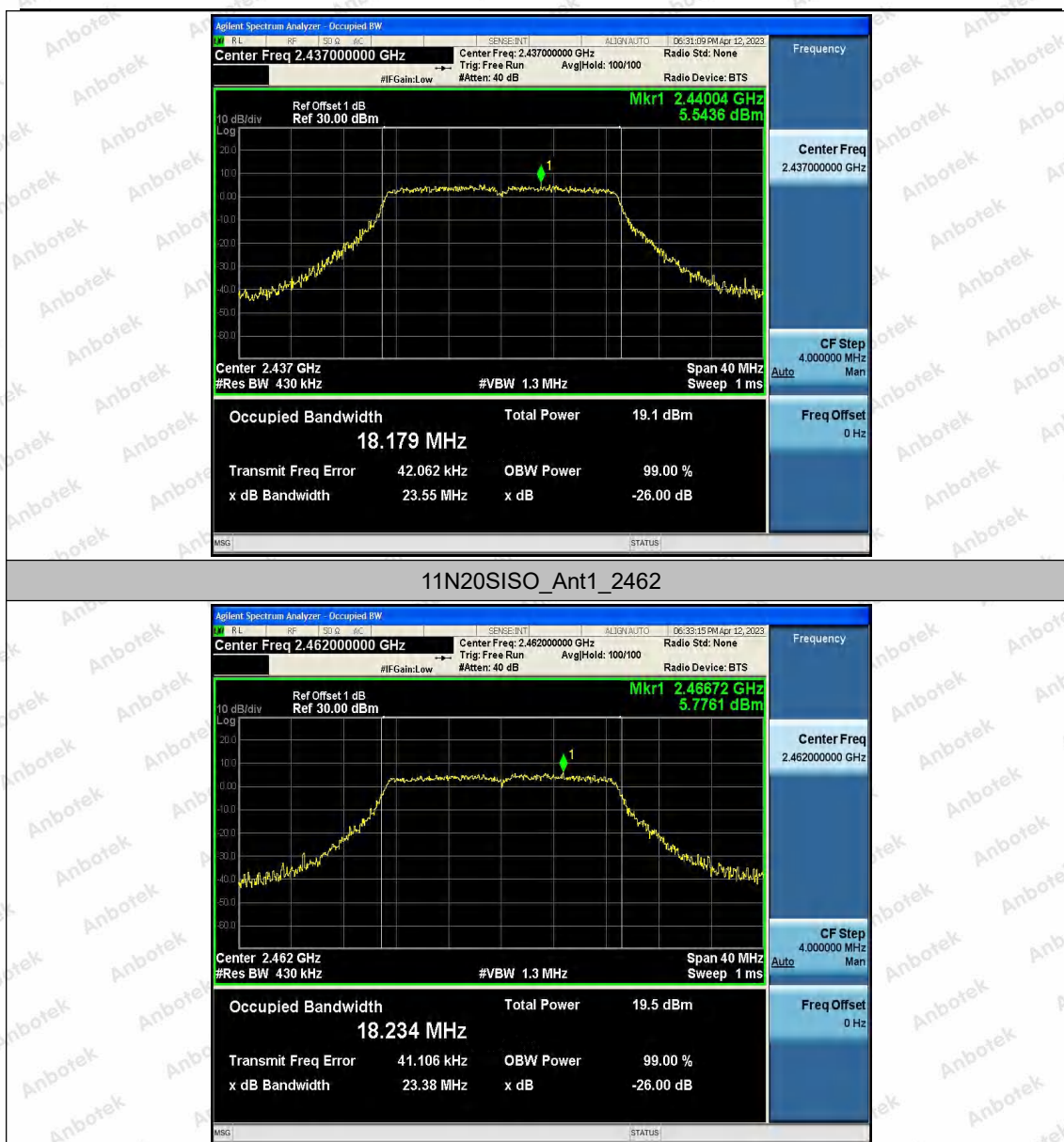
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	19.91	≤30.00
		2437	19.79	≤30.00
		2462	20.03	≤30.00
11G	Ant1	2412	20.33	≤30.00
		2437	20.45	≤30.00
		2462	20.78	≤30.00
11N20SISO	Ant1	2412	20.42	≤30.00
		2437	20.41	≤30.00
		2462	20.73	≤30.00



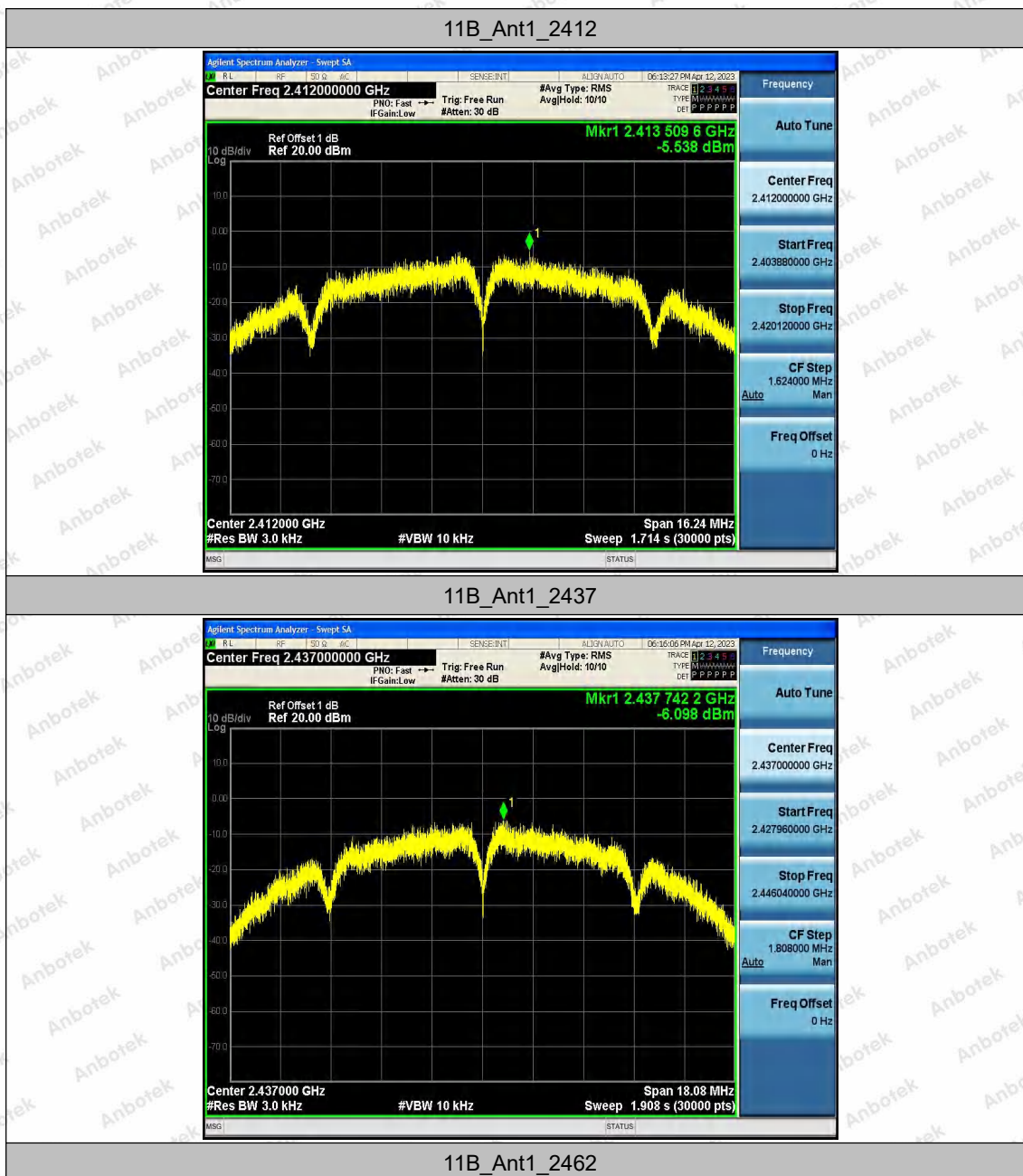
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.54	≤8.00	PASS
		2437	-6.1	≤8.00	PASS
		2462	-5.52	≤8.00	PASS
11G	Ant1	2412	-12.13	≤8.00	PASS
		2437	-12.28	≤8.00	PASS
		2462	-12.03	≤8.00	PASS
11N20SISO	Ant1	2412	-11.36	≤8.00	PASS
		2437	-12.37	≤8.00	PASS
		2462	-12.8	≤8.00	PASS



Test Graphs



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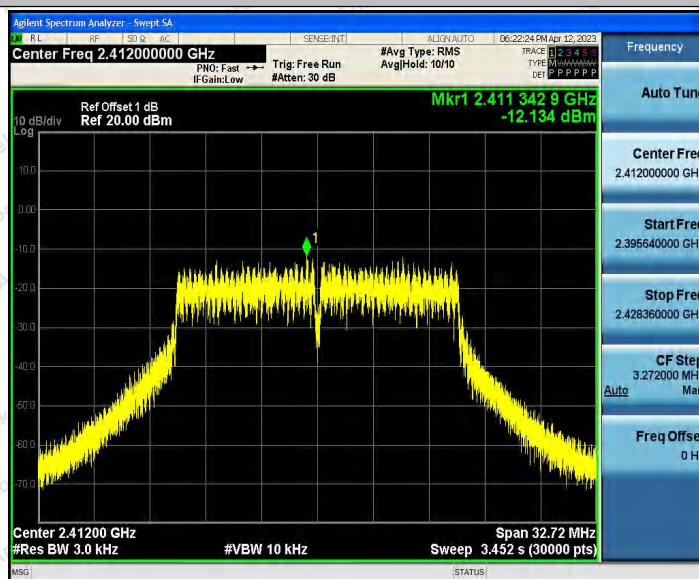
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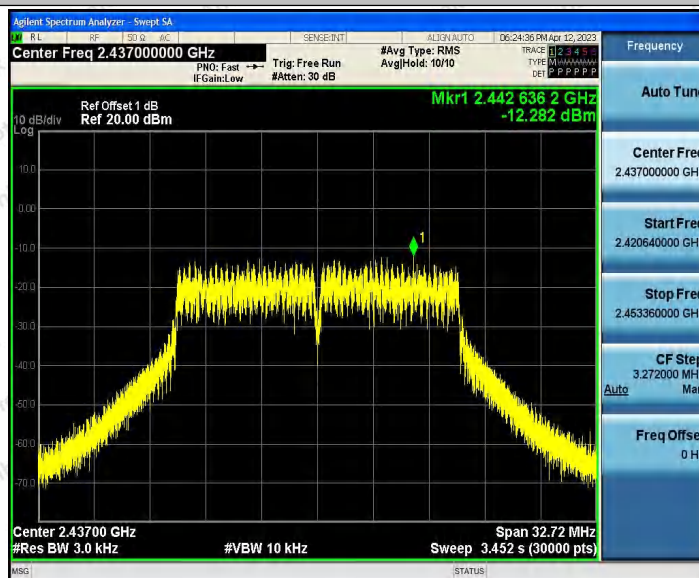




11G_Ant1_2412



11G_Ant1_2437



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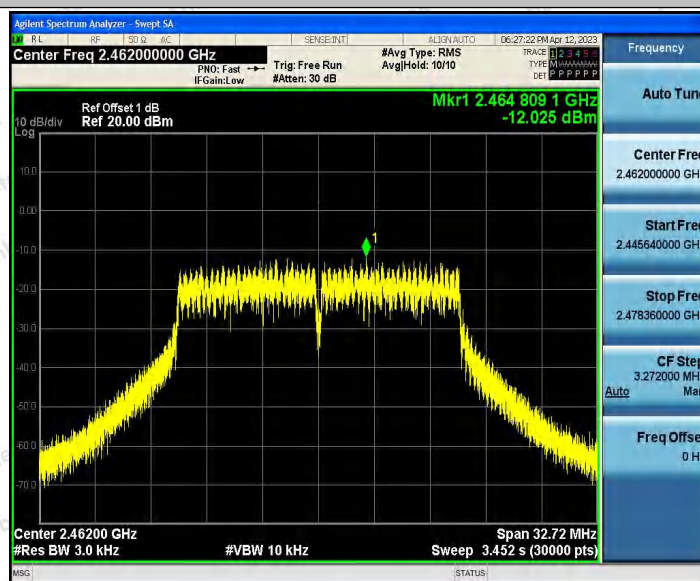
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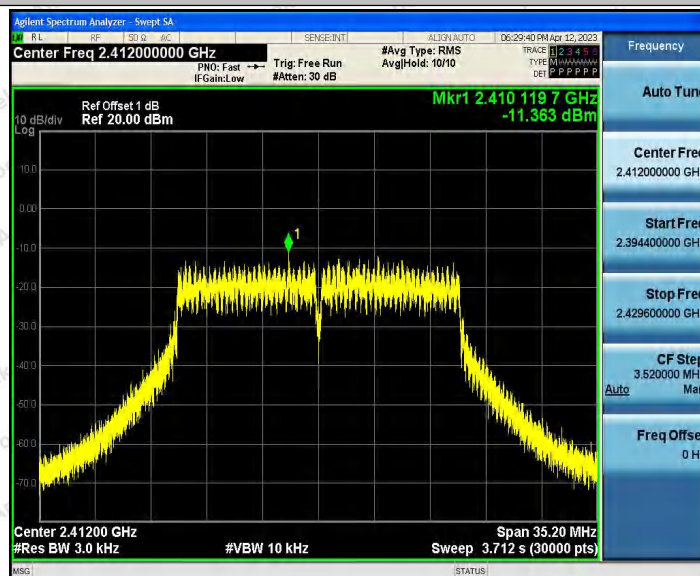
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

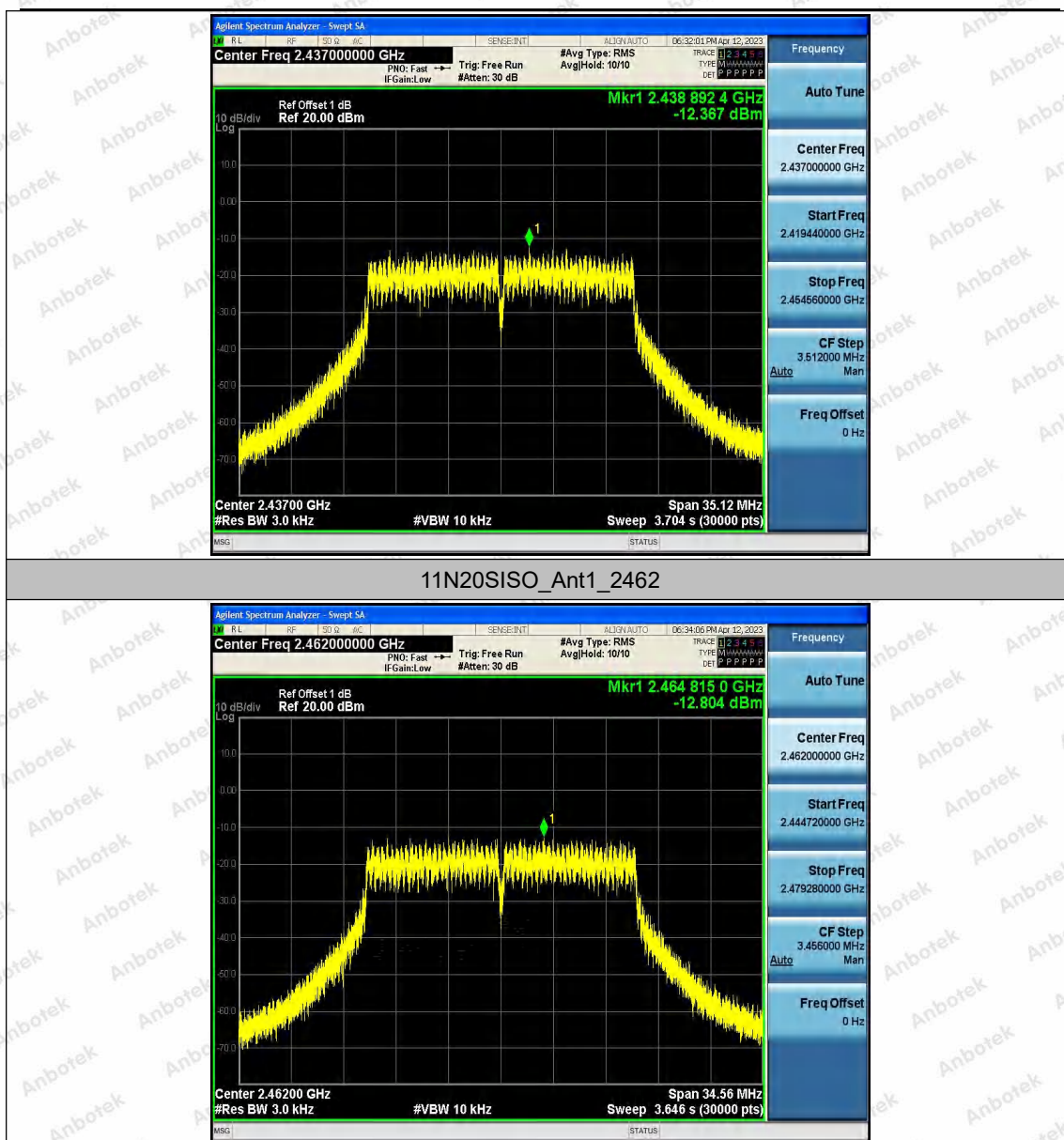
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Appendix E: Band edge measurements

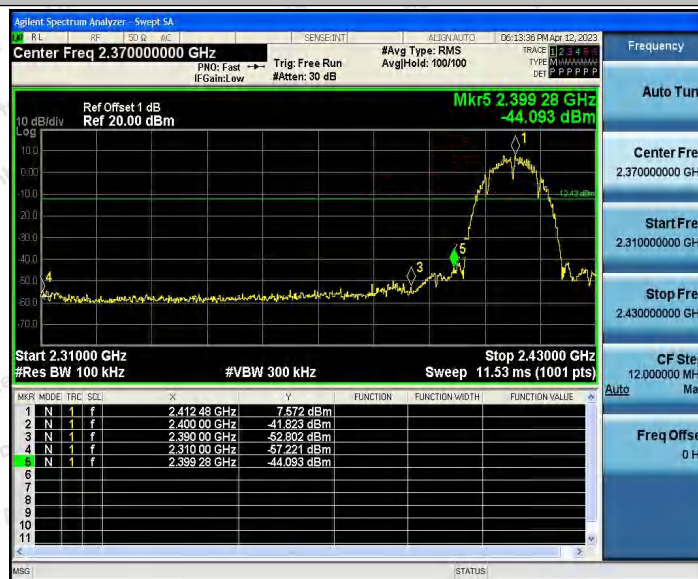
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.57	-44.09	≤-12.43	PASS
		High	2462	8.34	-52.64	≤-11.66	PASS
11G	Ant1	Low	2412	1.37	-34.04	≤-18.63	PASS
		High	2462	2.26	-46.3	≤-17.74	PASS
11N20SISO	Ant1	Low	2412	-0.22	-32.34	≤-20.22	PASS
		High	2462	2.23	-46.41	≤-17.77	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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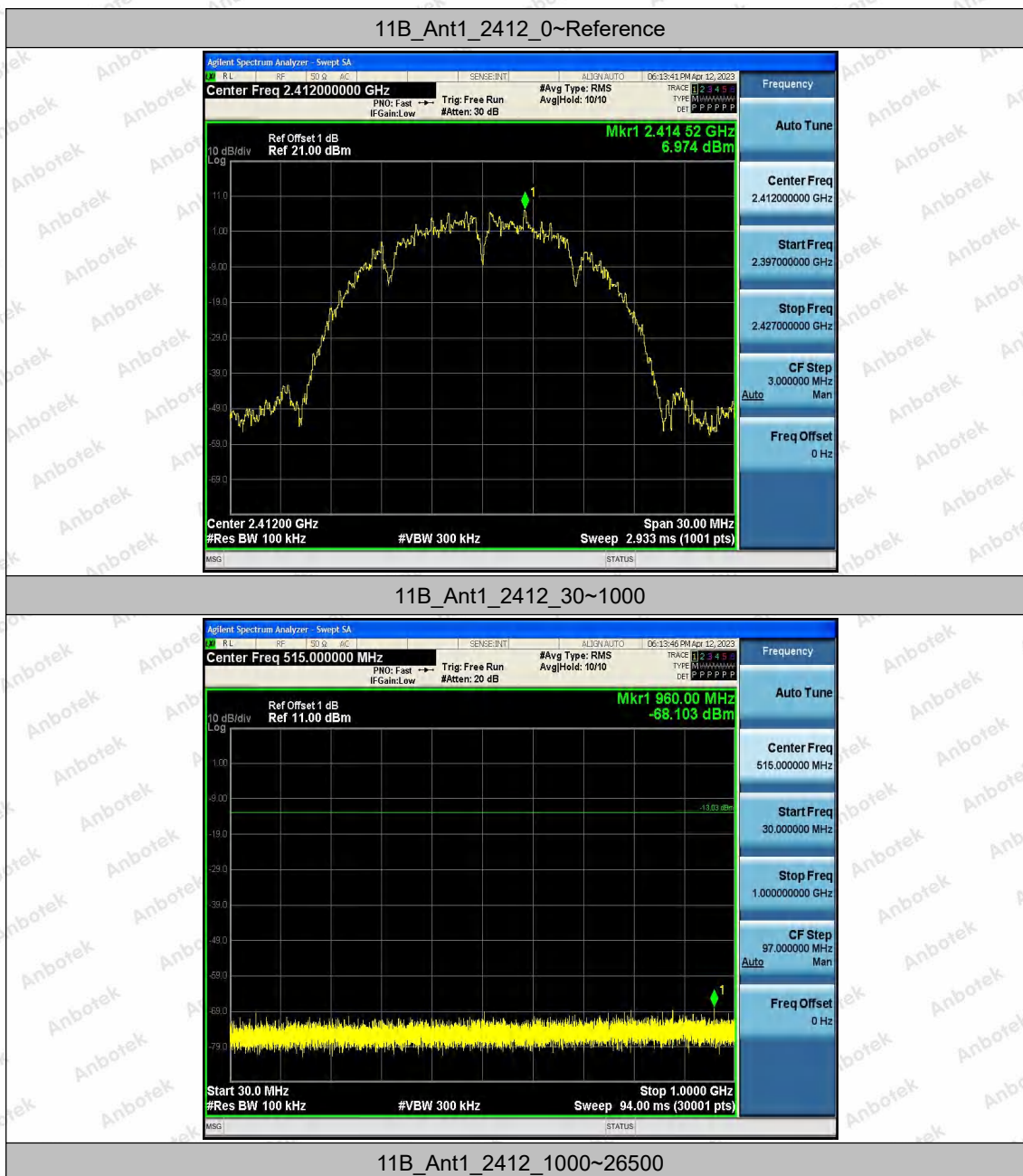
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.97	6.97	---	PASS
			30~1000	6.97	-68.1	≤-13.03	PASS
			1000~26500	6.97	-44.72	≤-13.03	PASS
		2437	Reference	6.49	6.49	---	PASS
			30~1000	6.49	-68.23	≤-13.51	PASS
			1000~26500	6.49	-47.79	≤-13.51	PASS
		2462	Reference	6.09	6.09	---	PASS
			30~1000	6.09	-68.55	≤-13.91	PASS
			1000~26500	6.09	-50.66	≤-13.91	PASS
11G	Ant1	2412	Reference	1.18	1.18	---	PASS
			30~1000	1.18	-67.79	≤-18.82	PASS
			1000~26500	1.18	-54.18	≤-18.82	PASS
		2437	Reference	-0.77	-0.77	---	PASS
			30~1000	-0.77	-68.25	≤-20.77	PASS
			1000~26500	-0.77	-54.26	≤-20.77	PASS
		2462	Reference	-0.75	-0.75	---	PASS
			30~1000	-0.75	-66.87	≤-20.75	PASS
			1000~26500	-0.75	-53.67	≤-20.75	PASS
11N20SISO	Ant1	2412	Reference	-0.97	-0.97	---	PASS
			30~1000	-0.97	-67.6	≤-20.97	PASS
			1000~26500	-0.97	-54.05	≤-20.97	PASS
		2437	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-66.97	≤-18.33	PASS
			1000~26500	1.67	-53.27	≤-18.33	PASS
		2462	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-66.41	≤-19.15	PASS
			1000~26500	0.85	-54.46	≤-19.15	PASS



Test Graphs



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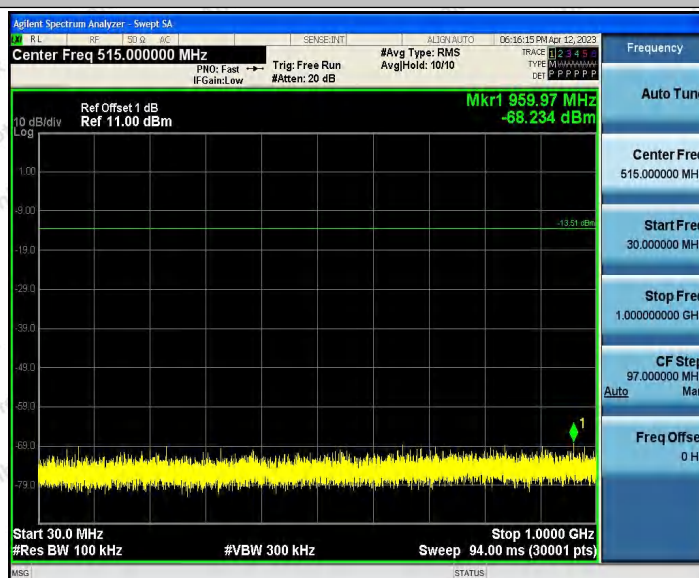




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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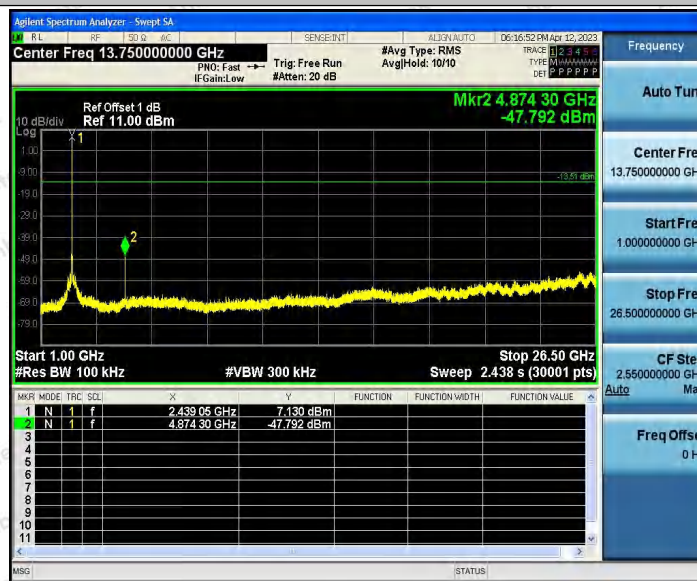
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

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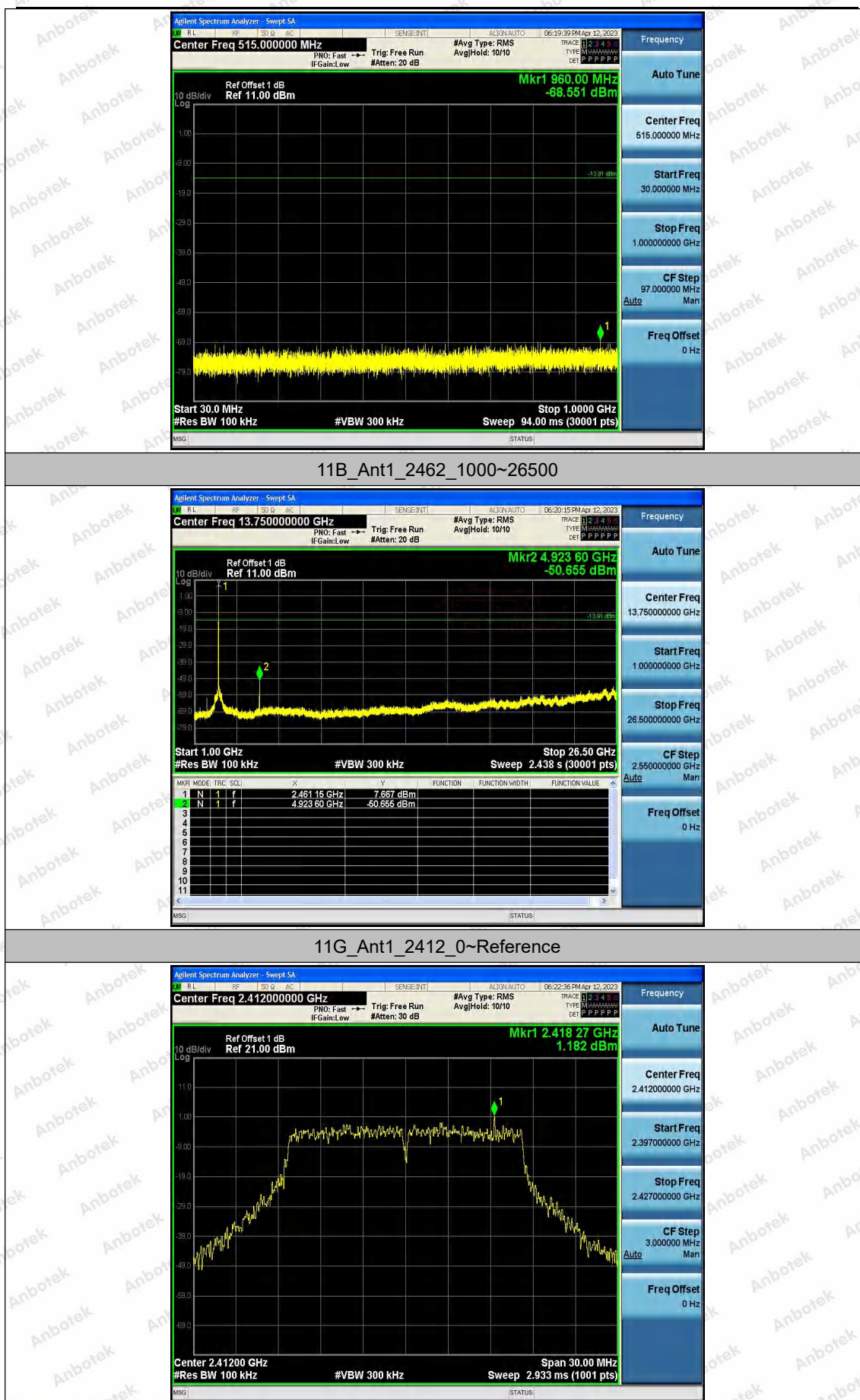


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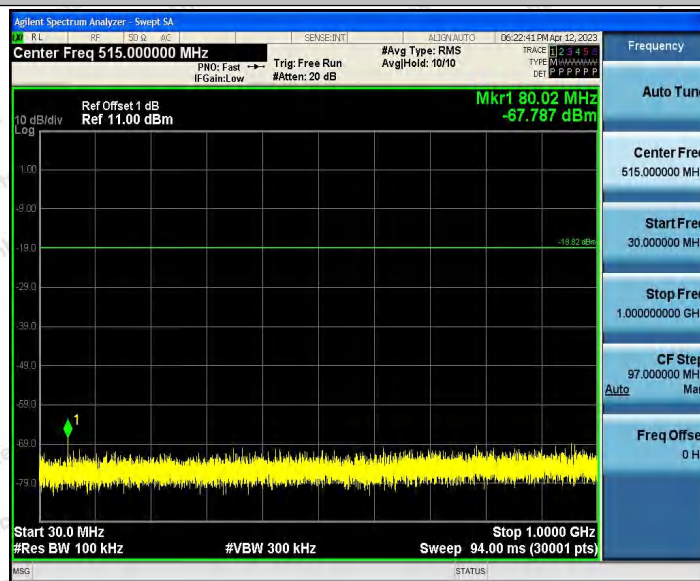
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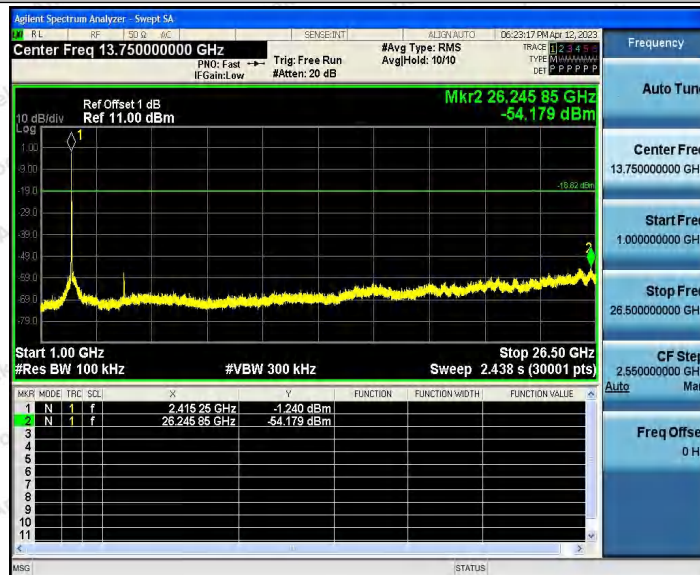
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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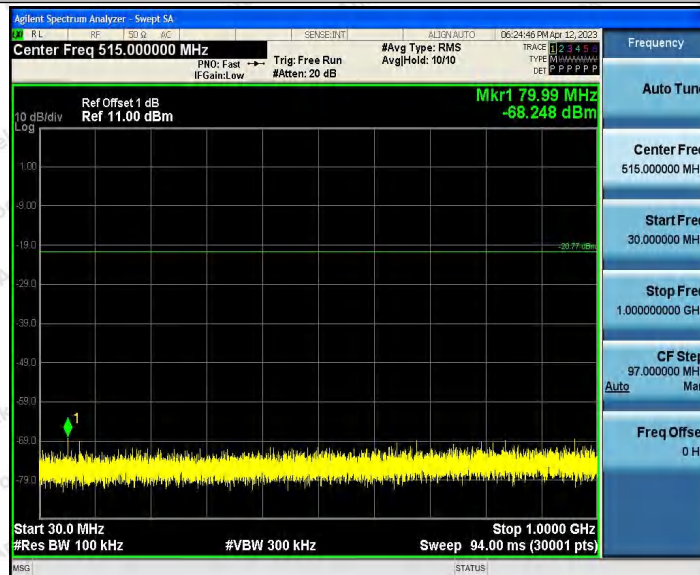


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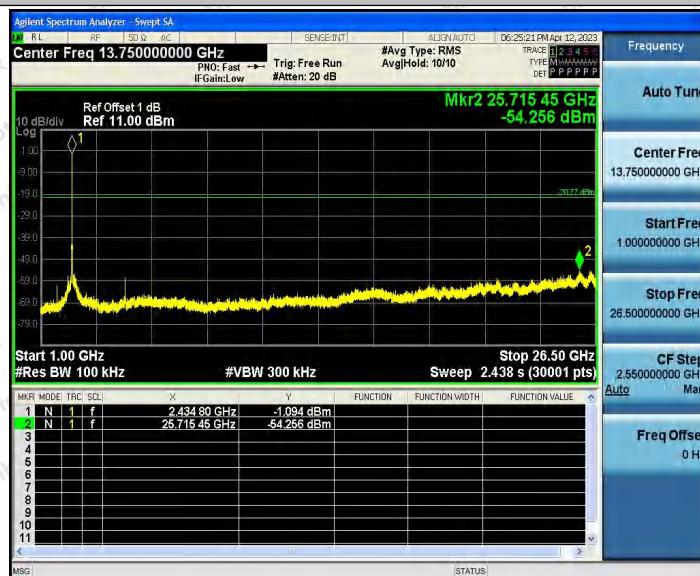




11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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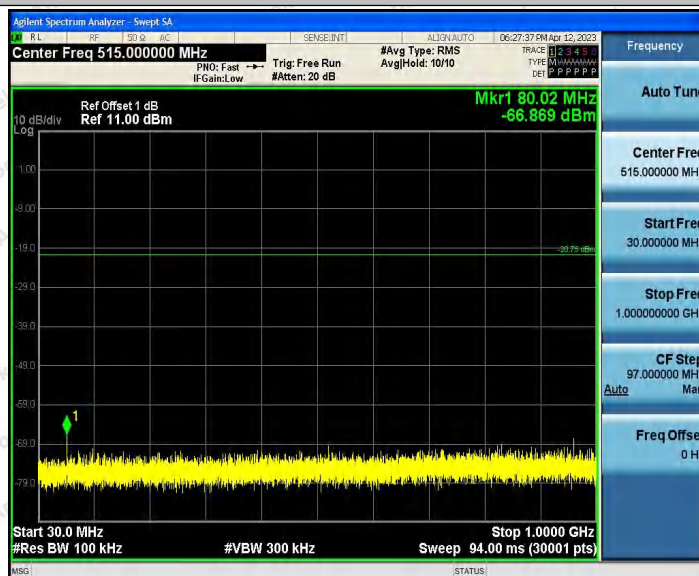
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

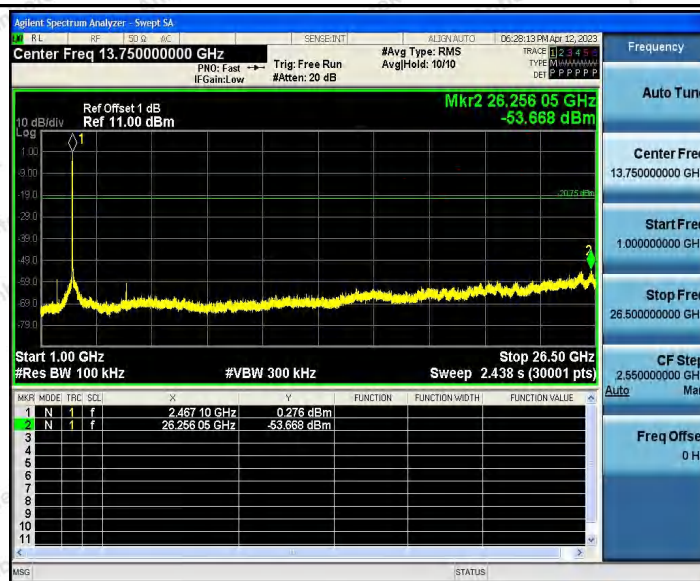
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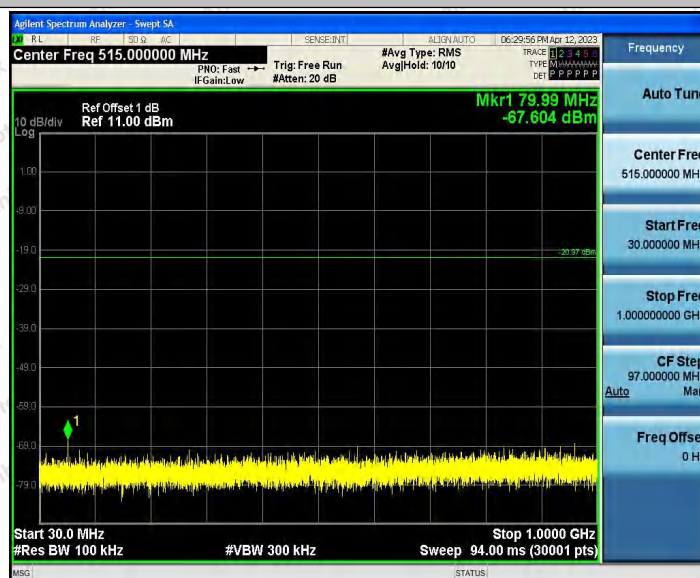




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11N20SISO_Ant1_2412_30~1000



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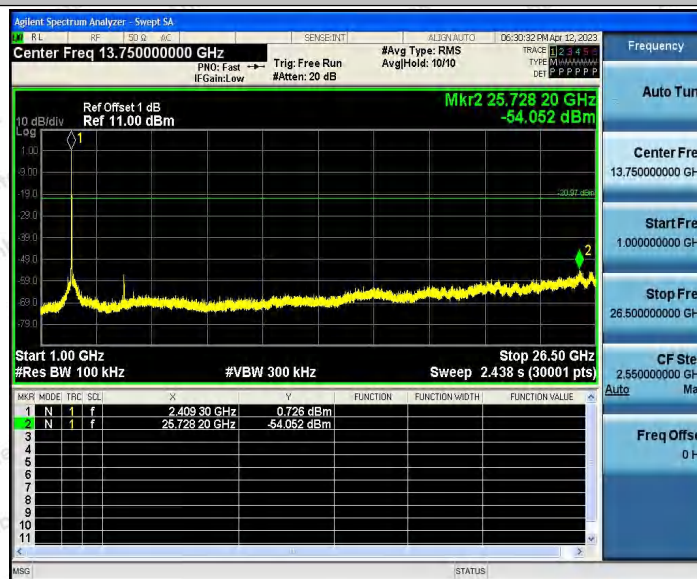
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

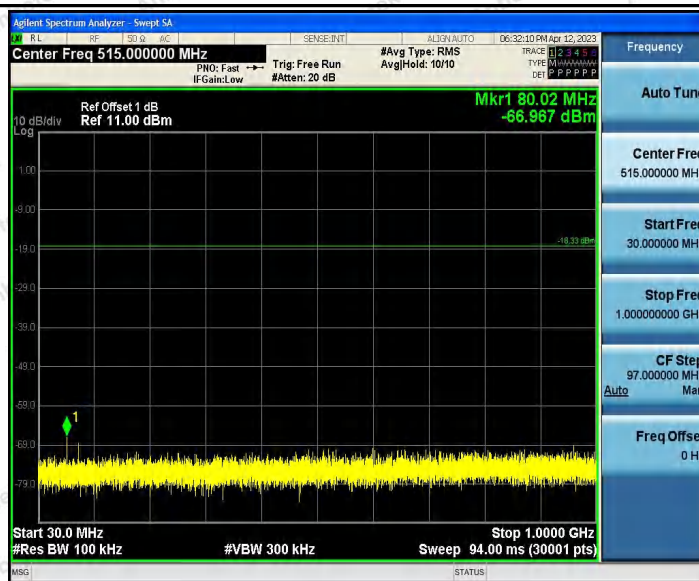
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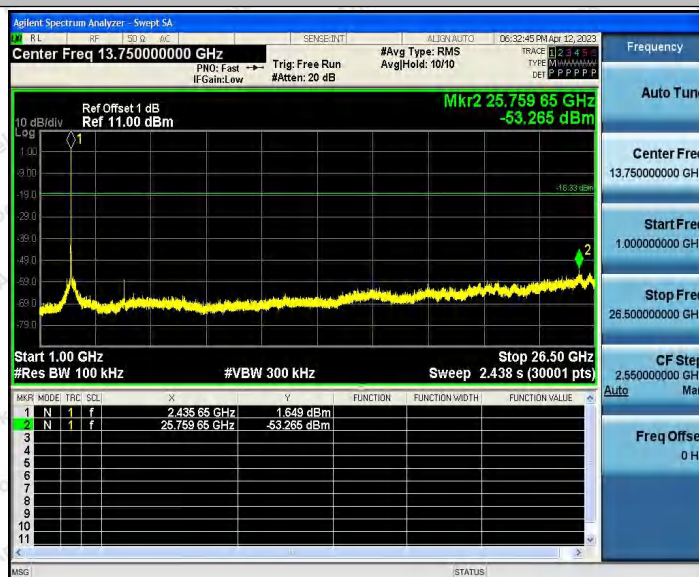


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



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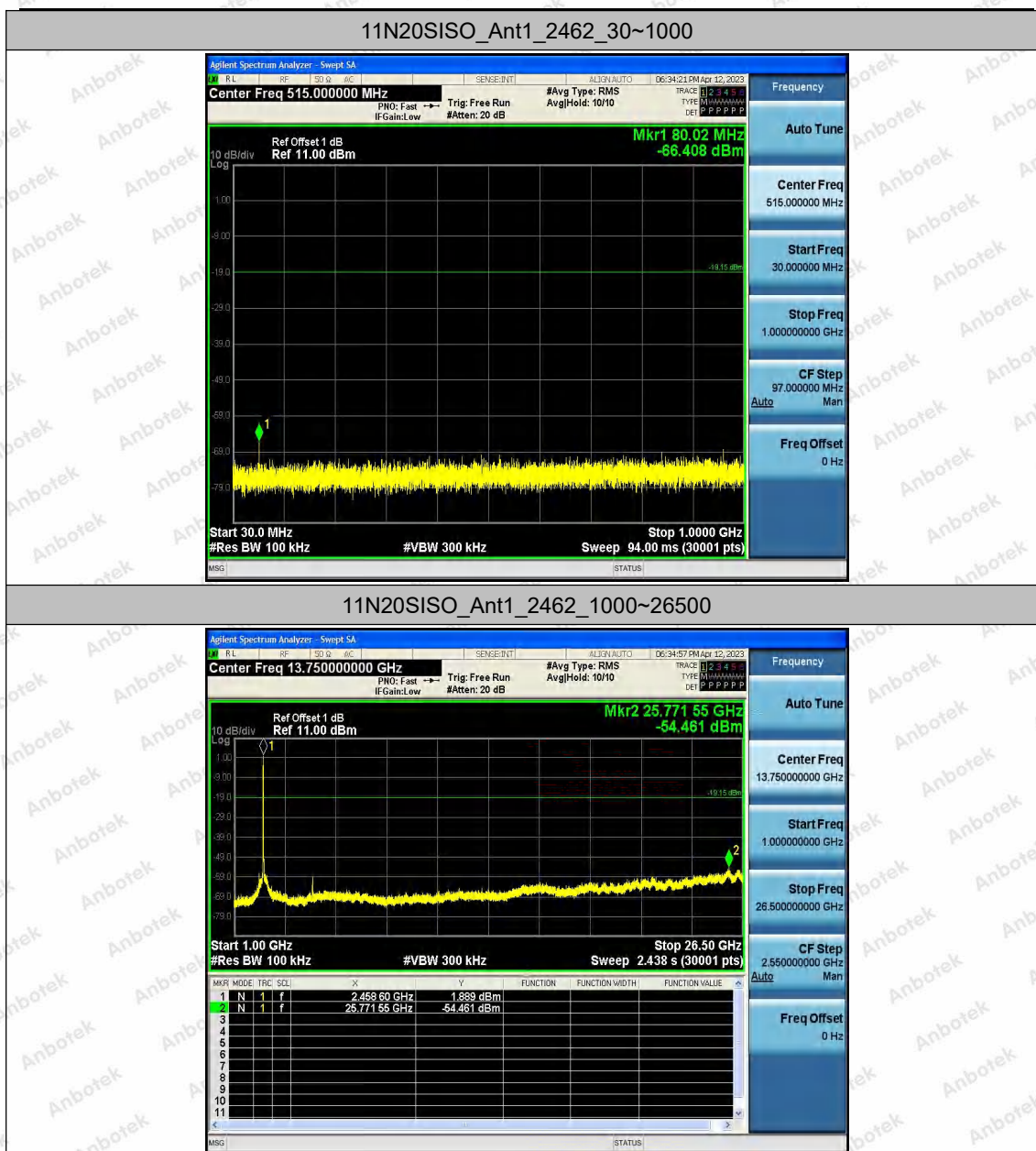


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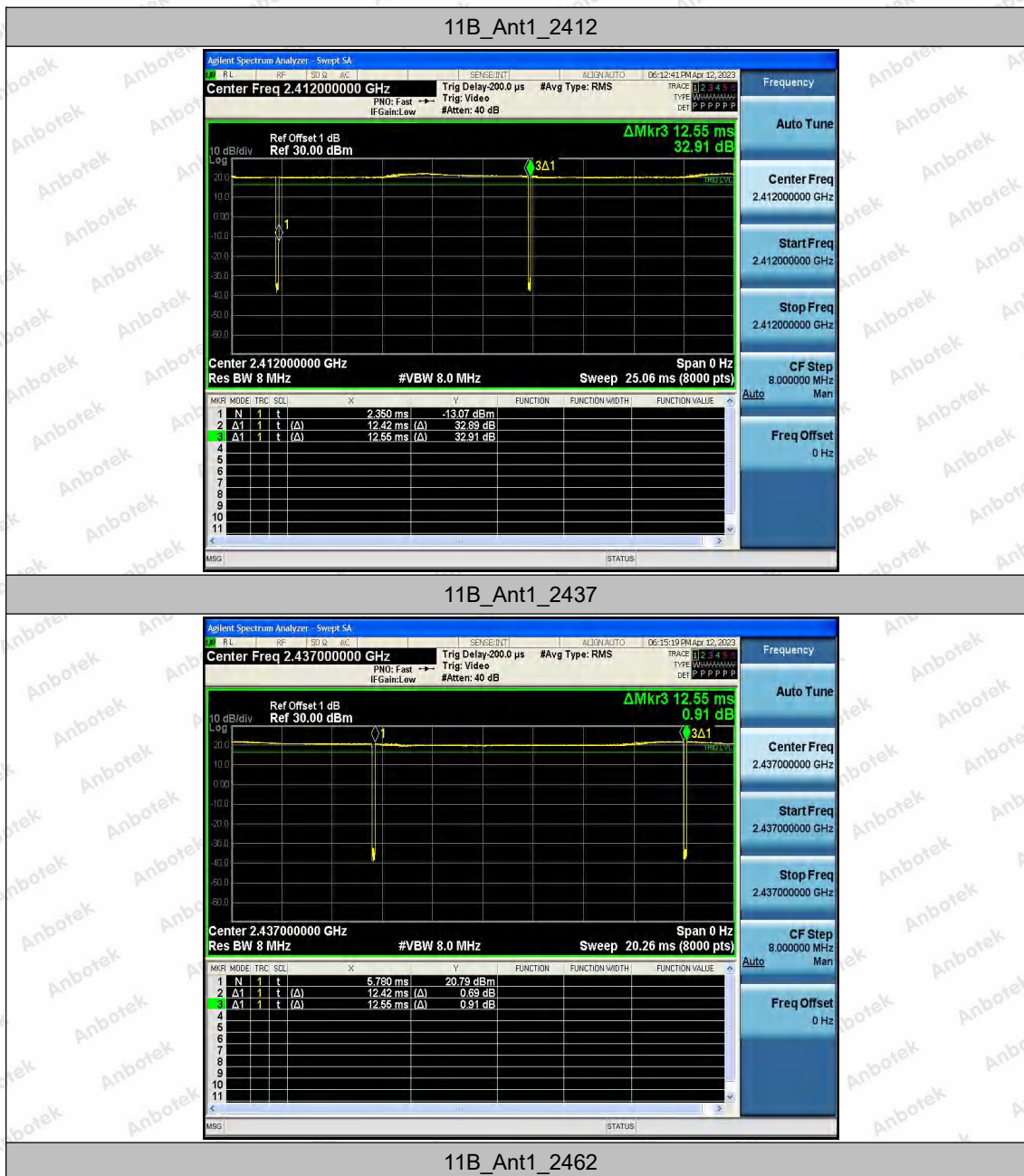
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.55	98.96	0.05
		2437	12.42	12.55	98.96	0.05
		2462	12.42	12.55	98.96	0.05
11G	Ant1	2412	2.07	2.20	94.09	0.26
		2437	2.06	2.19	94.06	0.27
		2462	2.06	2.19	94.06	0.27
11N20SISO	Ant1	2412	1.92	2.05	93.66	0.28
		2437	1.92	2.05	93.66	0.28
		2462	1.92	2.05	93.66	0.28



Test Graphs



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

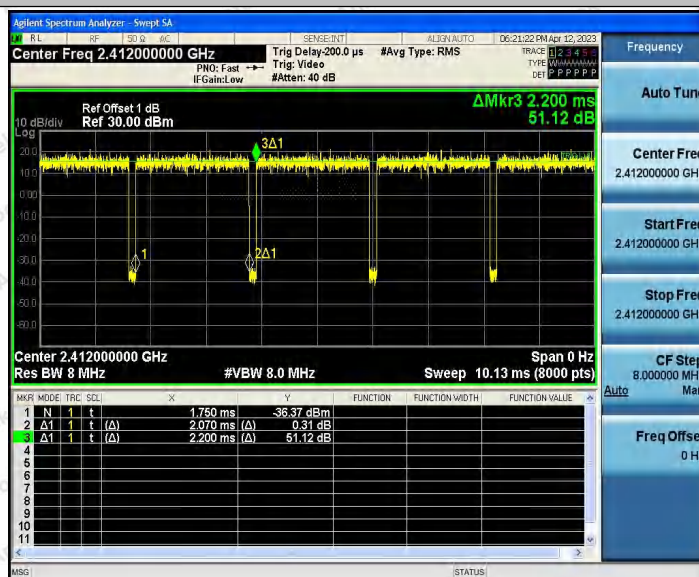


Hotline
400-003-0500
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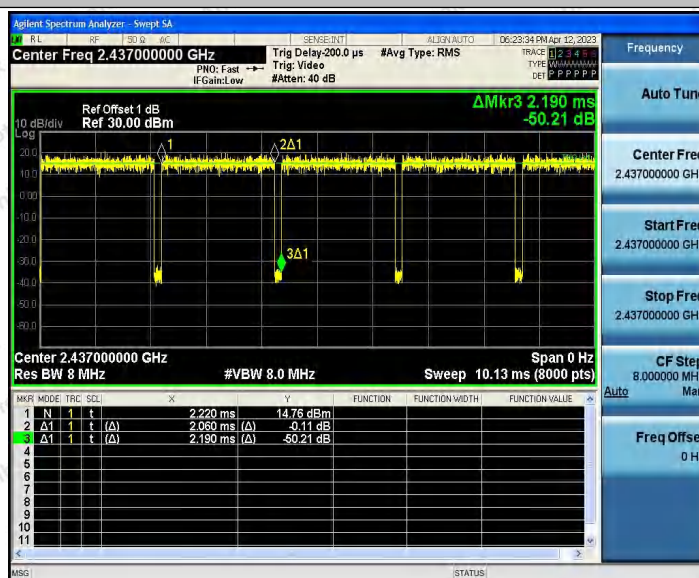




11G_Ant1_2412



11G_Ant1_2437



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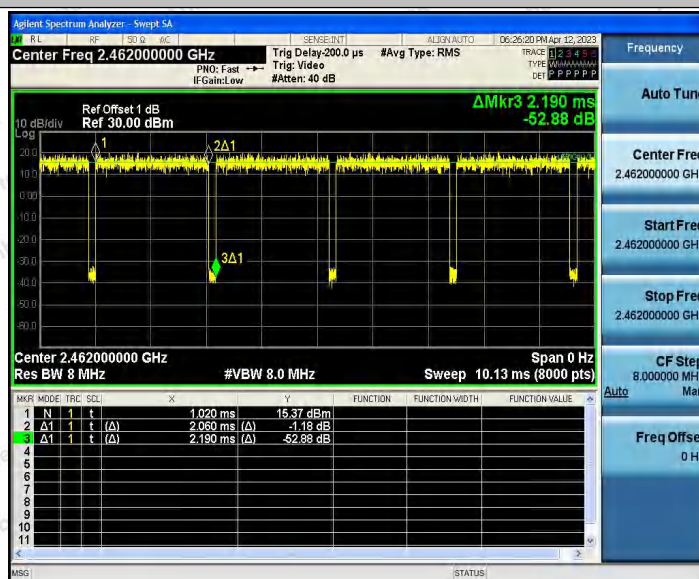
Hotline

400-003-0500

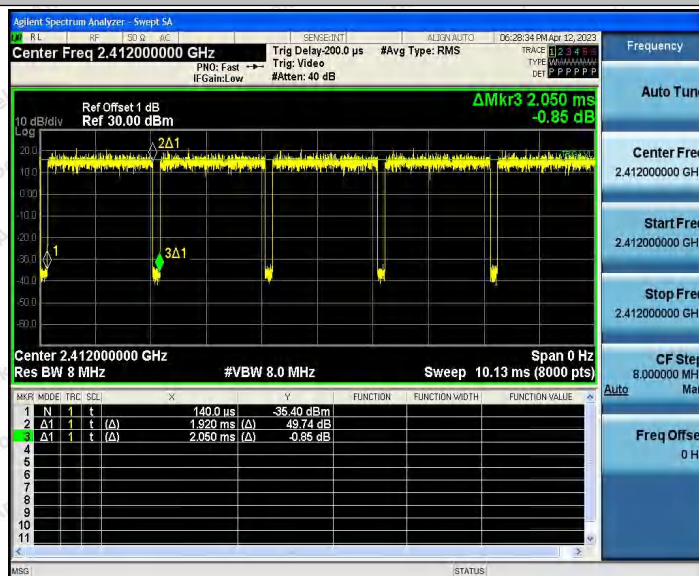
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

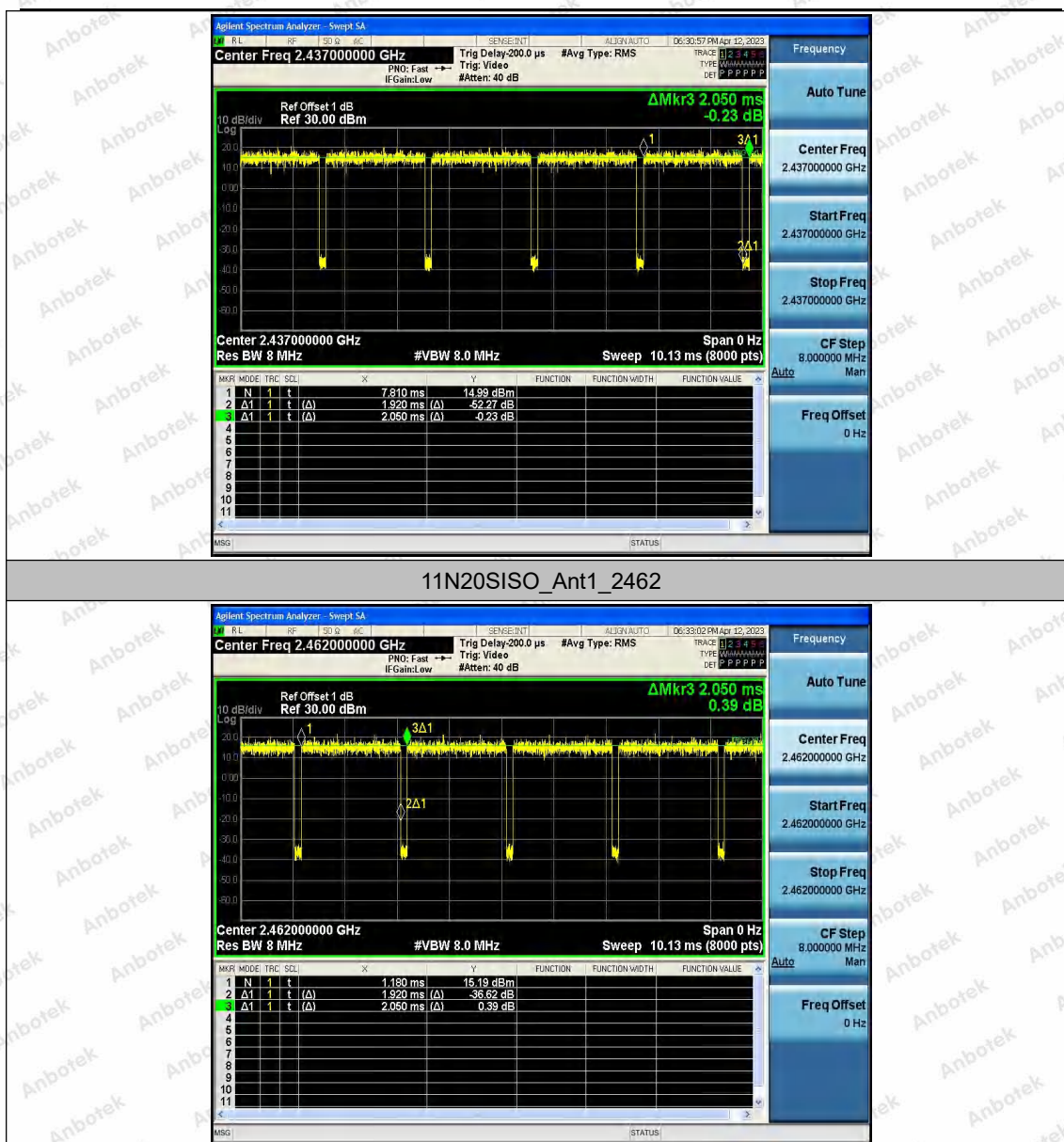
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