

Appendix Test Data

Report No.:	18220WC30045102	Test Sample No.:	1-2-2
Start Test Date:	2023.03.21	Finish Test Date:	2023.03.23
Test Engineer:	<i>Jonny He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	25.8°C	Relative Humidity:	48%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.560	2407.960	2415.520	≥0.5	PASS
		2437	8.080	2432.960	2441.040	≥0.5	PASS
		2462	8.040	2458.000	2466.040	≥0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	≥0.5	PASS
		2437	17.560	2428.200	2445.760	≥0.5	PASS
		2462	17.560	2453.240	2470.800	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

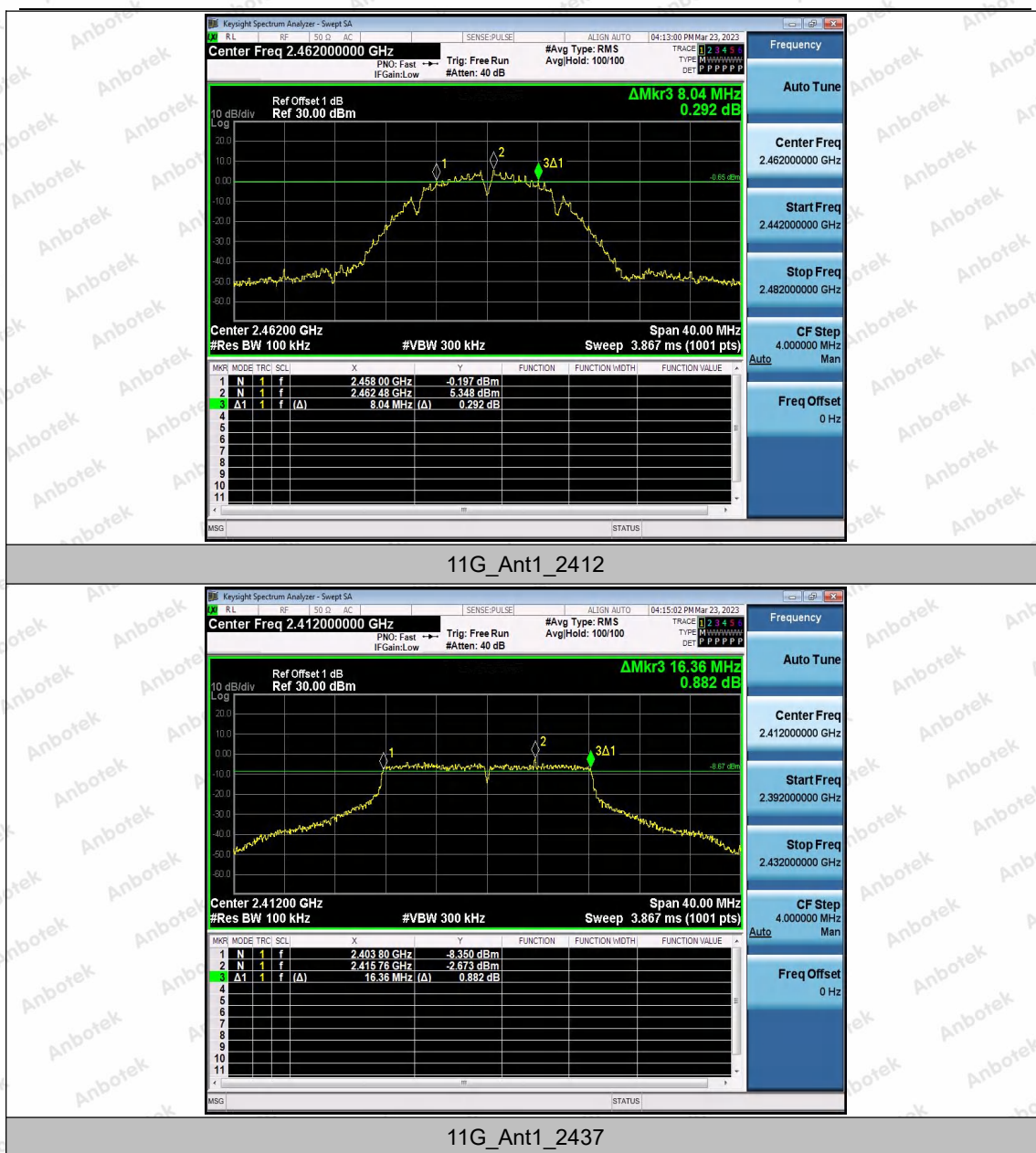
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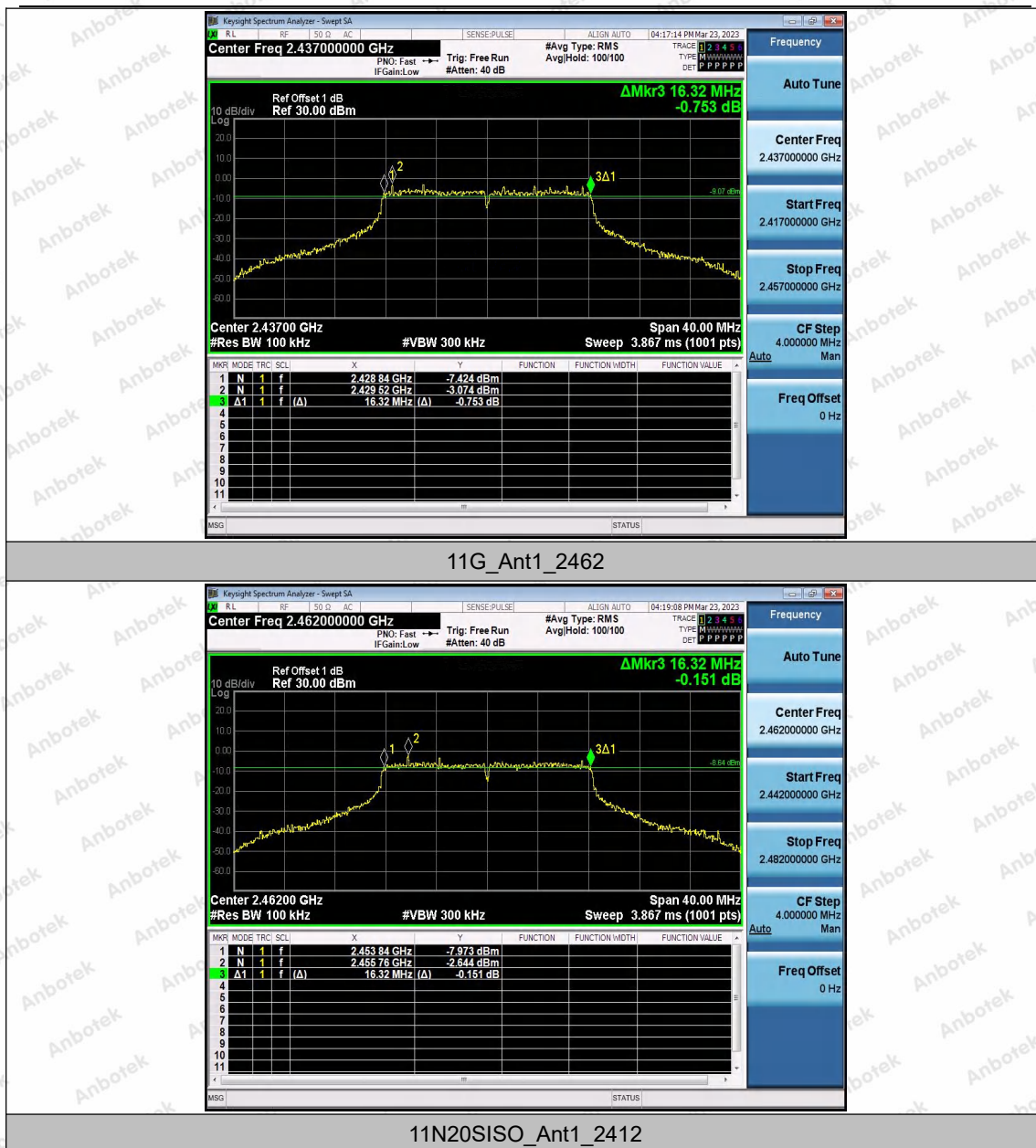
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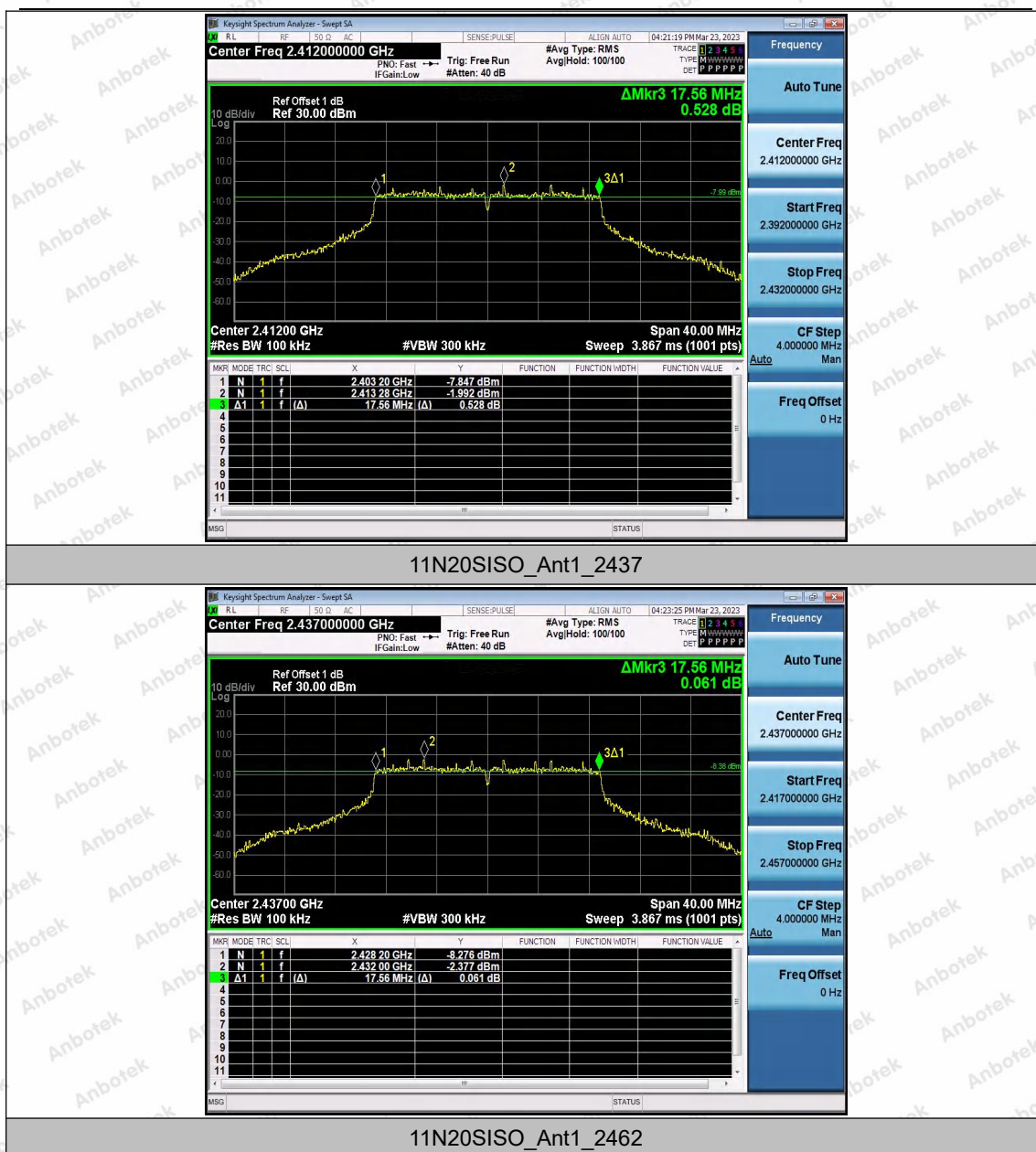
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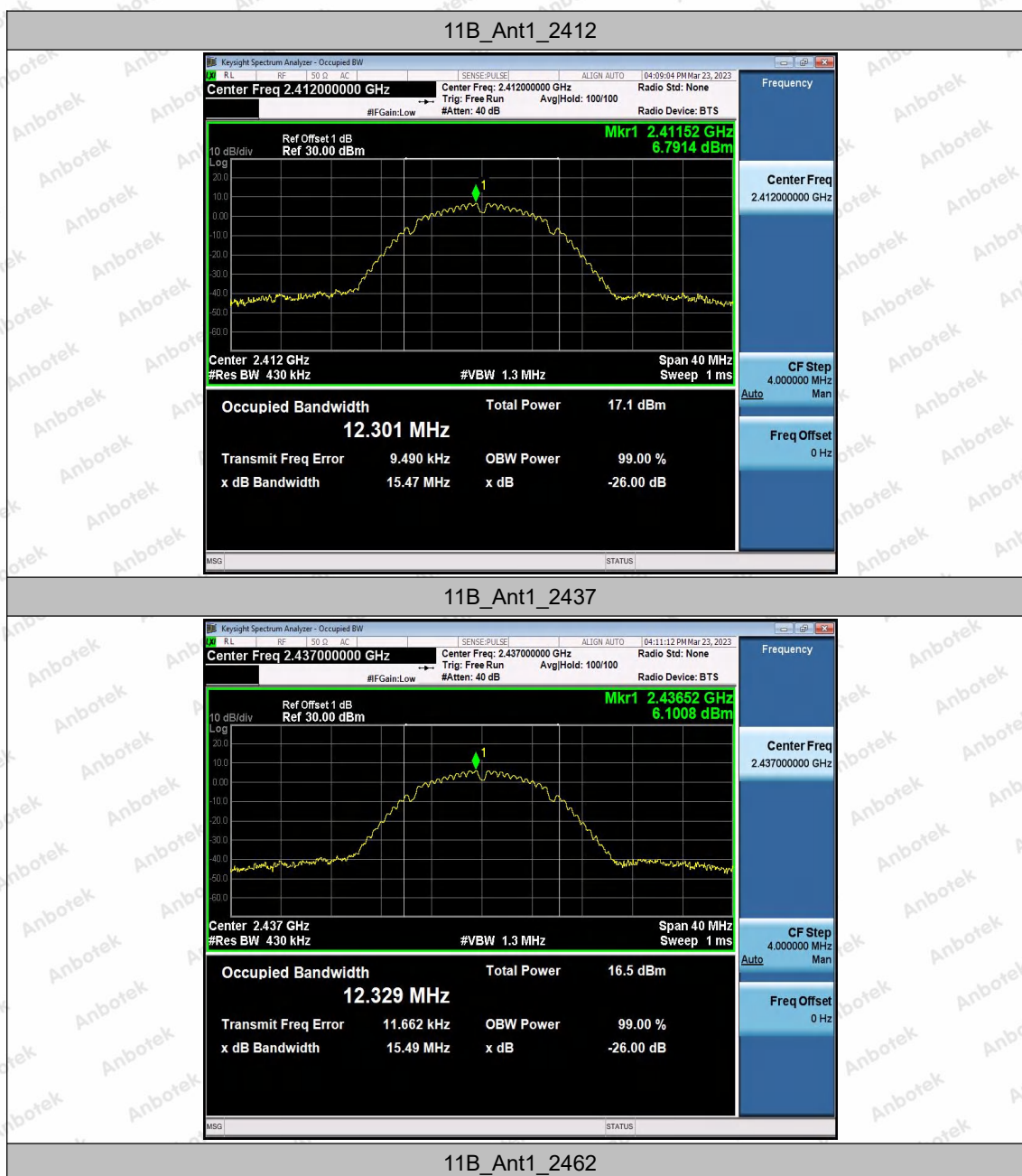
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.301	2405.8590	2418.1600	---	---
		2437	12.329	2430.8472	2443.1762	---	---
		2462	12.333	2455.8480	2468.1810	---	---
11G	Ant1	2412	17.596	2403.1094	2420.7054	---	---
		2437	17.667	2428.0367	2445.7037	---	---
		2462	17.668	2453.0721	2470.7401	---	---
11N20SISO	Ant1	2412	18.825	2402.5017	2421.3267	---	---
		2437	18.811	2427.5190	2446.3300	---	---
		2462	18.803	2452.6118	2471.4148	---	---



Test Graphs



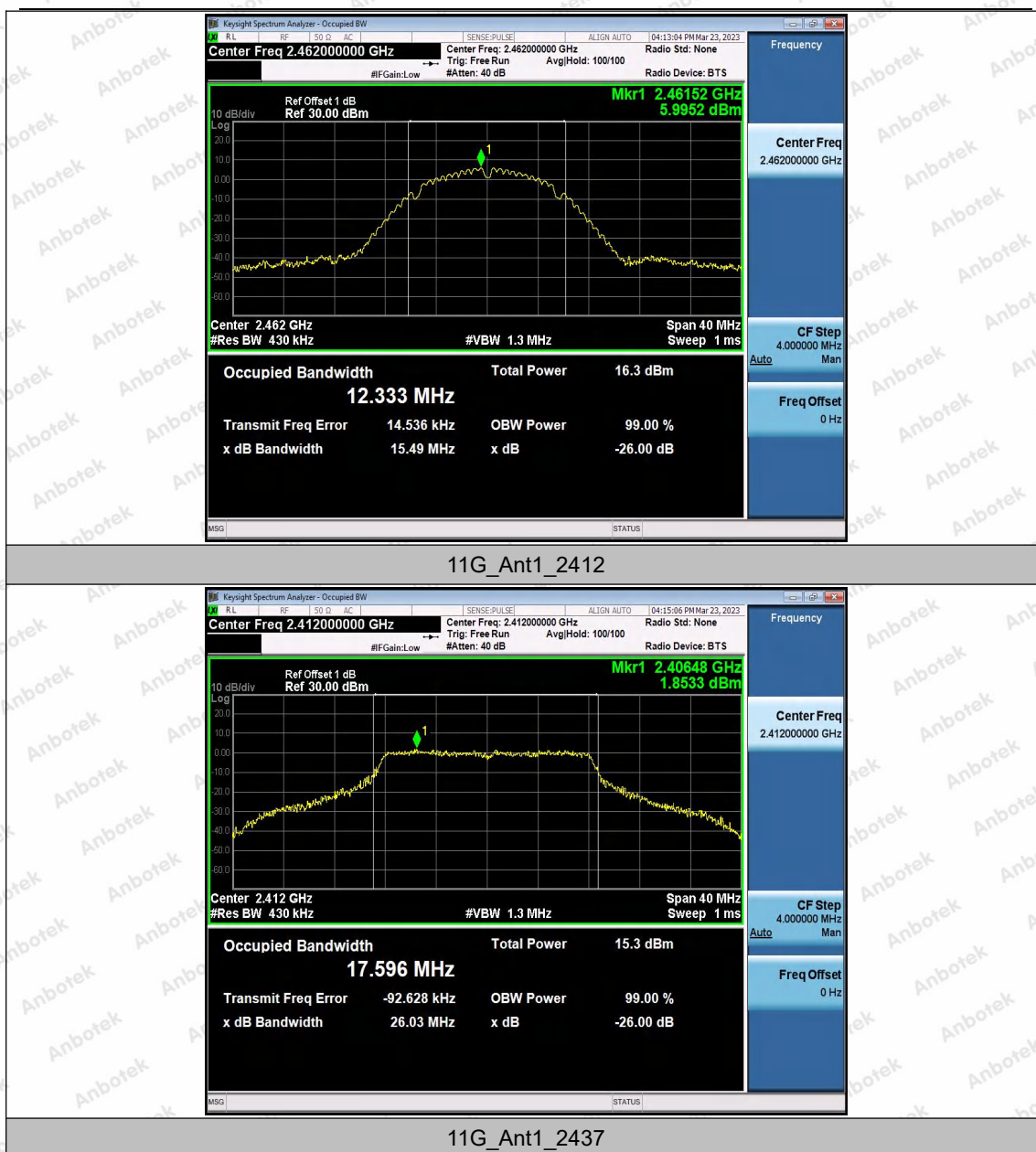
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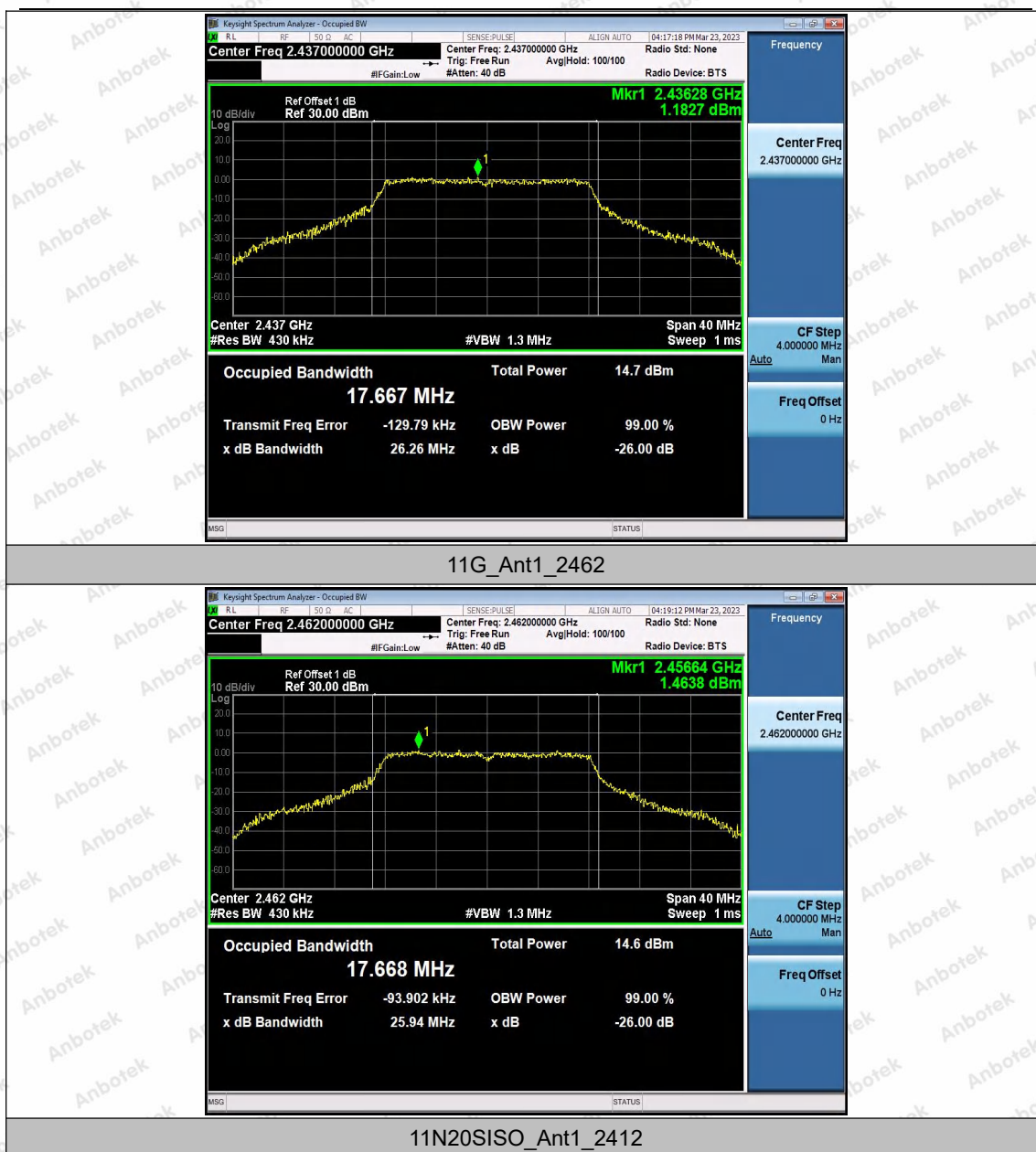
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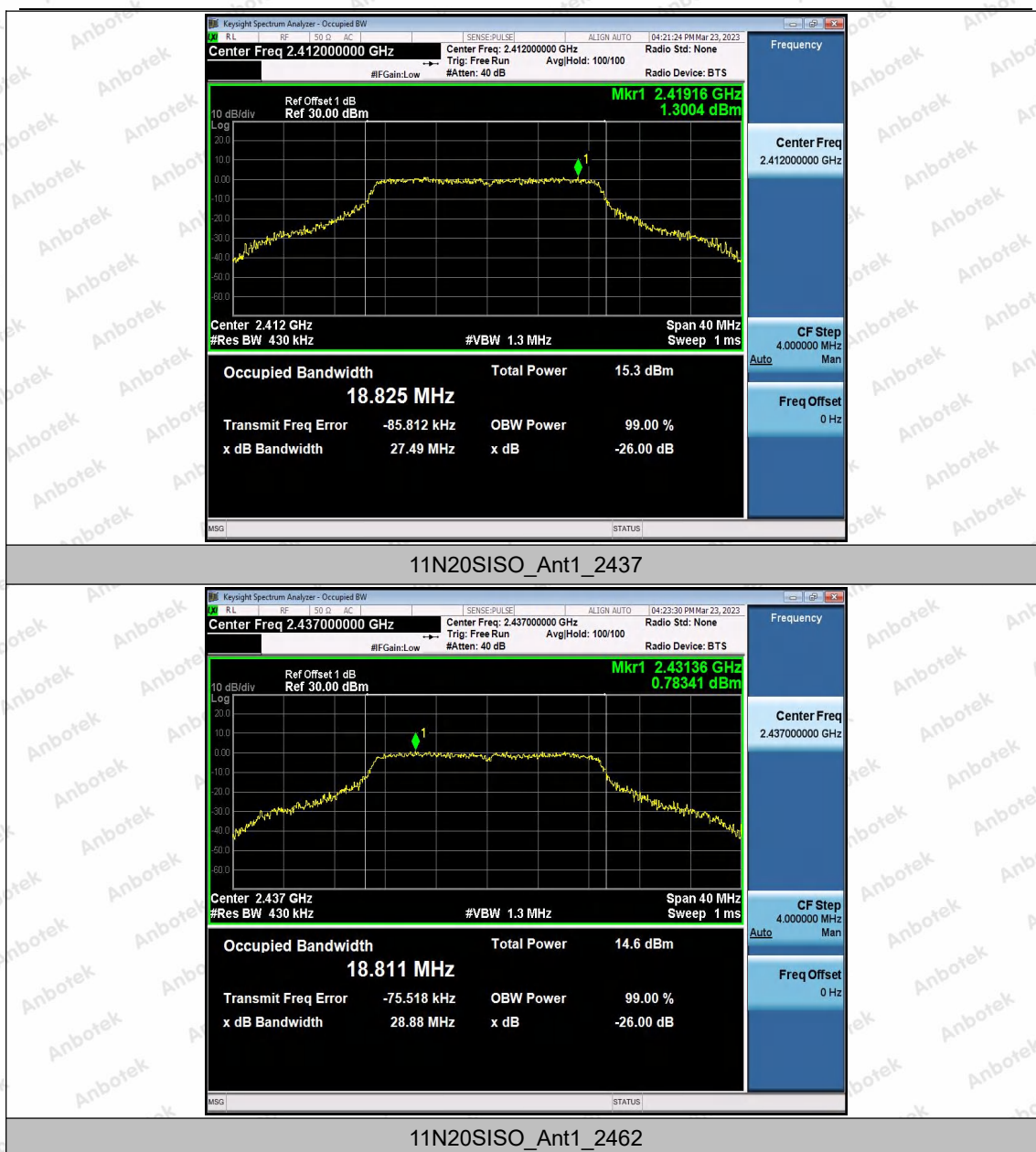
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	17.16	≤30.00
		2437	16.46	≤30.00
		2462	16.39	≤30.00
11G	Ant1	2412	16.53	≤30.00
		2437	15.82	≤30.00
		2462	15.71	≤30.00
11N20SISO	Ant1	2412	16.38	≤30.00
		2437	15.74	≤30.00
		2462	15.70	≤30.00



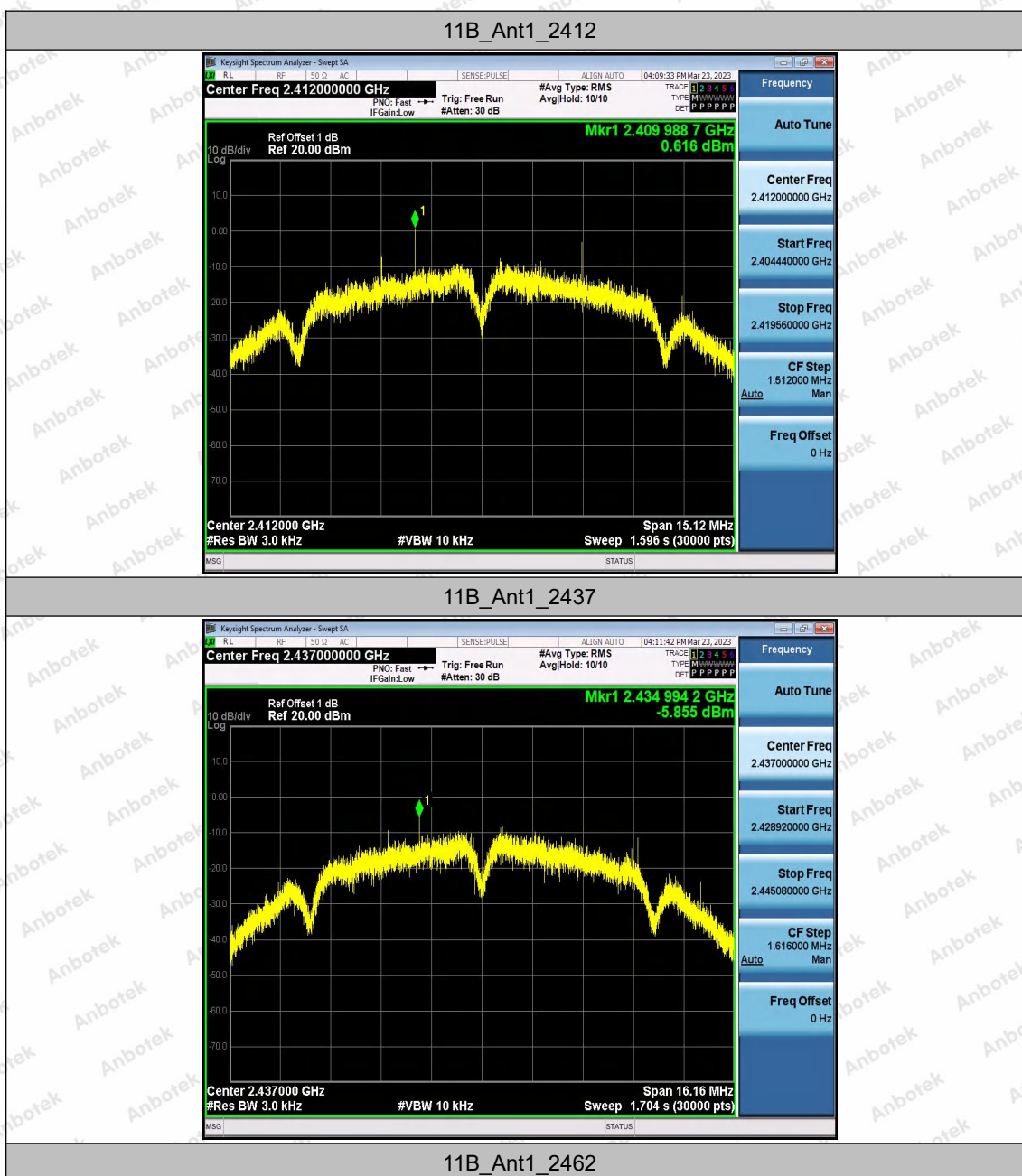
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	0.62	≤8.00	PASS
		2437	-5.86	≤8.00	PASS
		2462	-3.38	≤8.00	PASS
11G	Ant1	2412	-15.03	≤8.00	PASS
		2437	-17.05	≤8.00	PASS
		2462	-16.86	≤8.00	PASS
11N20SISO	Ant1	2412	-16.73	≤8.00	PASS
		2437	-16.42	≤8.00	PASS
		2462	-16.98	≤8.00	PASS



Test Graphs



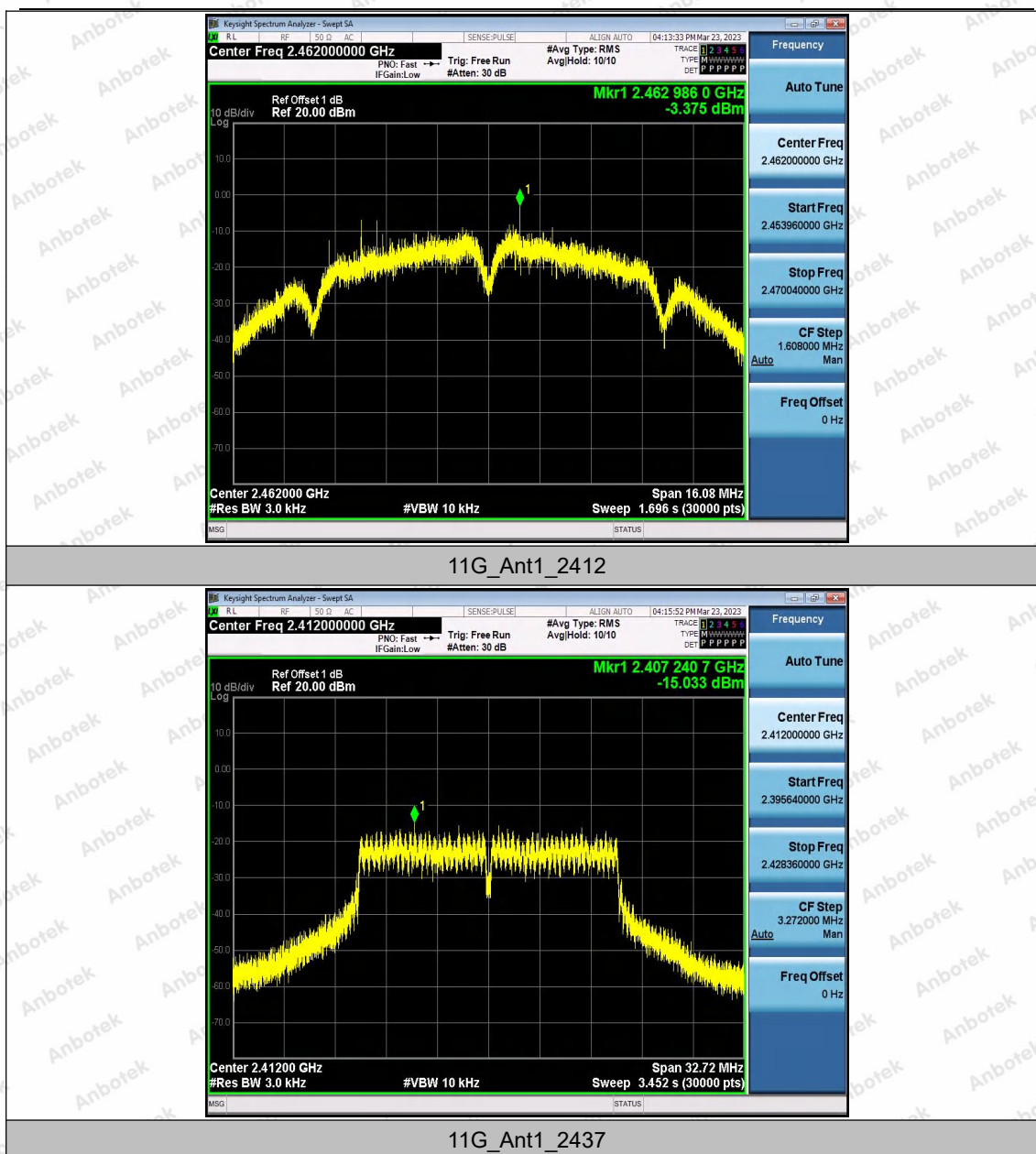
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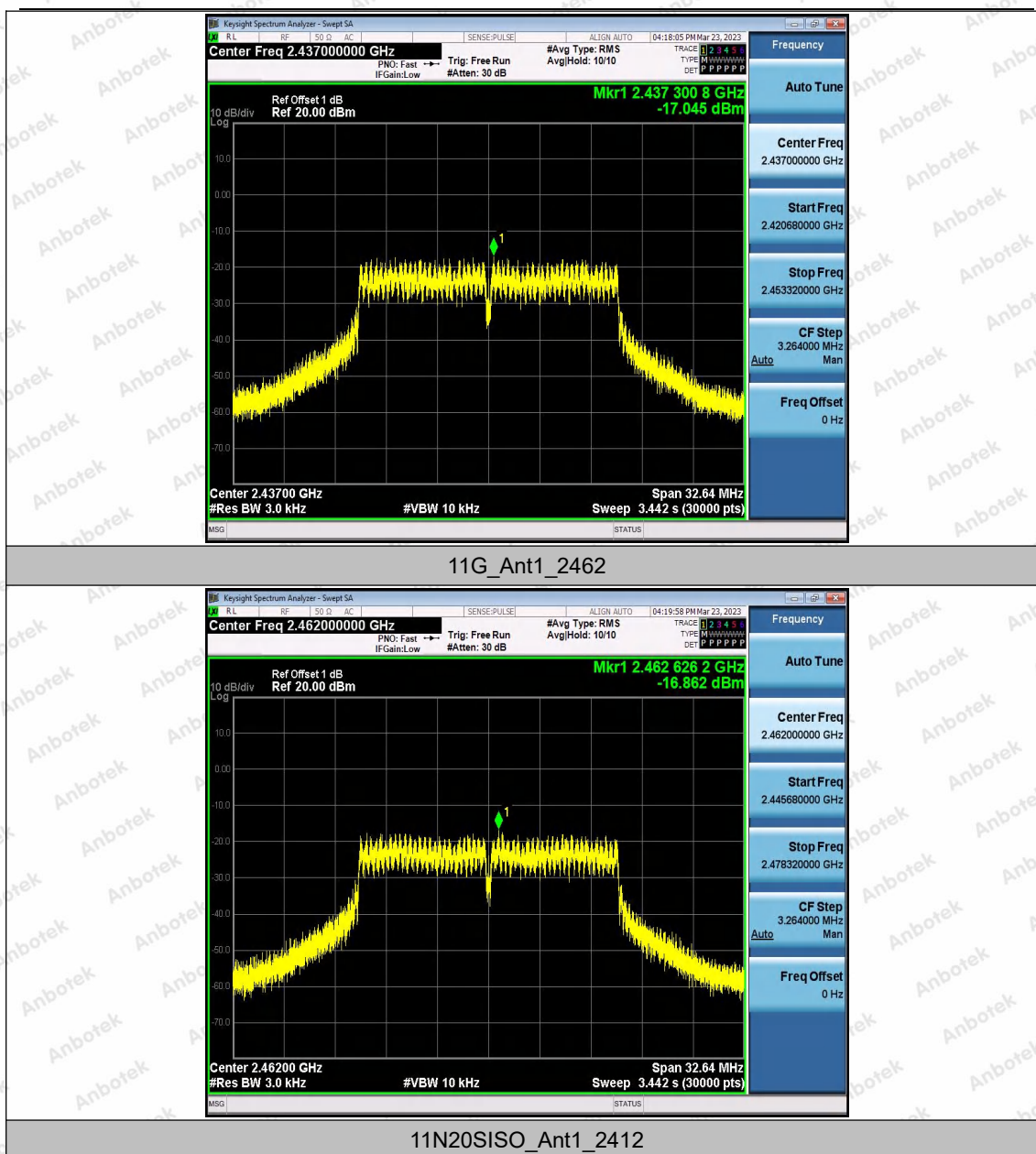
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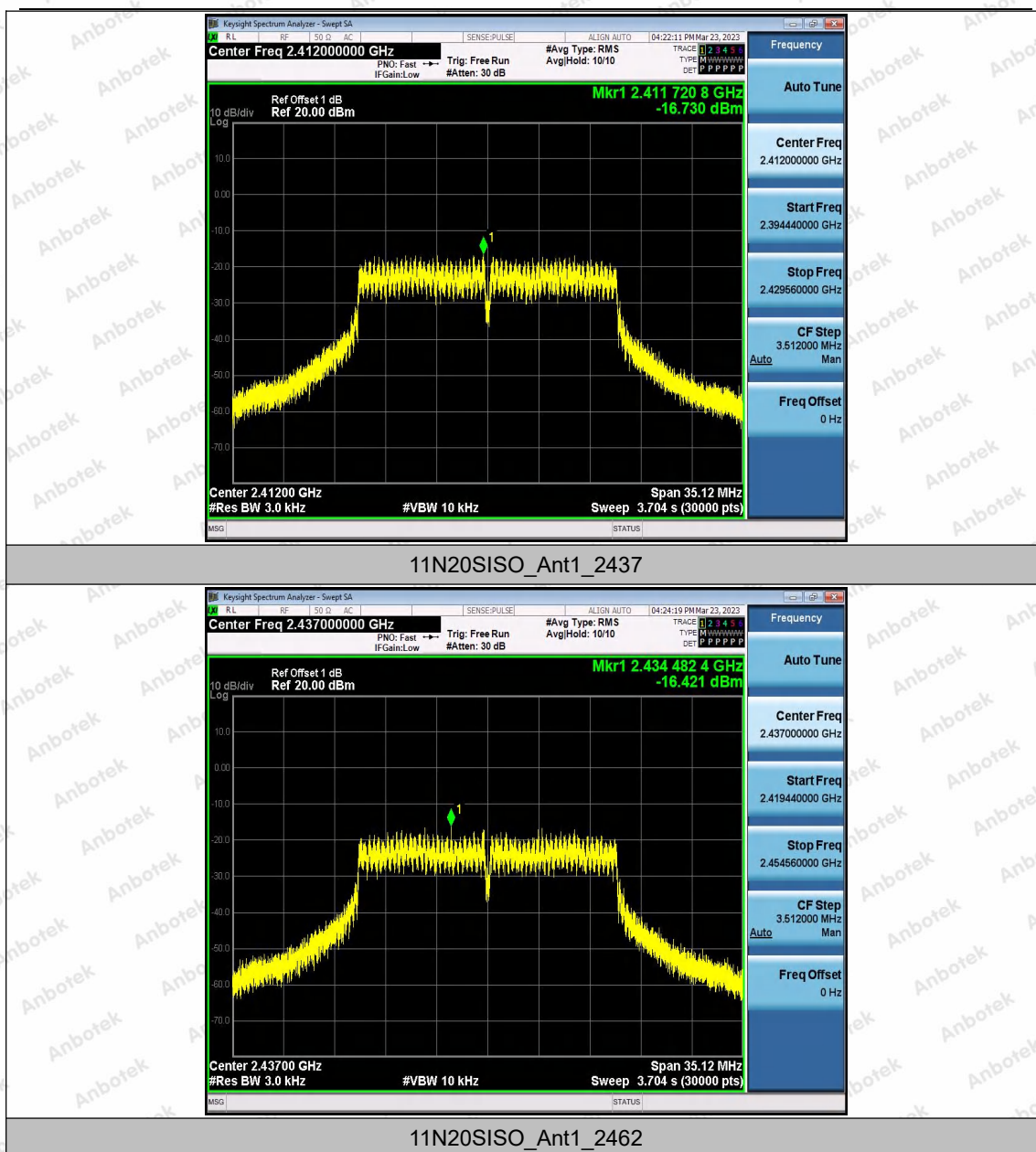
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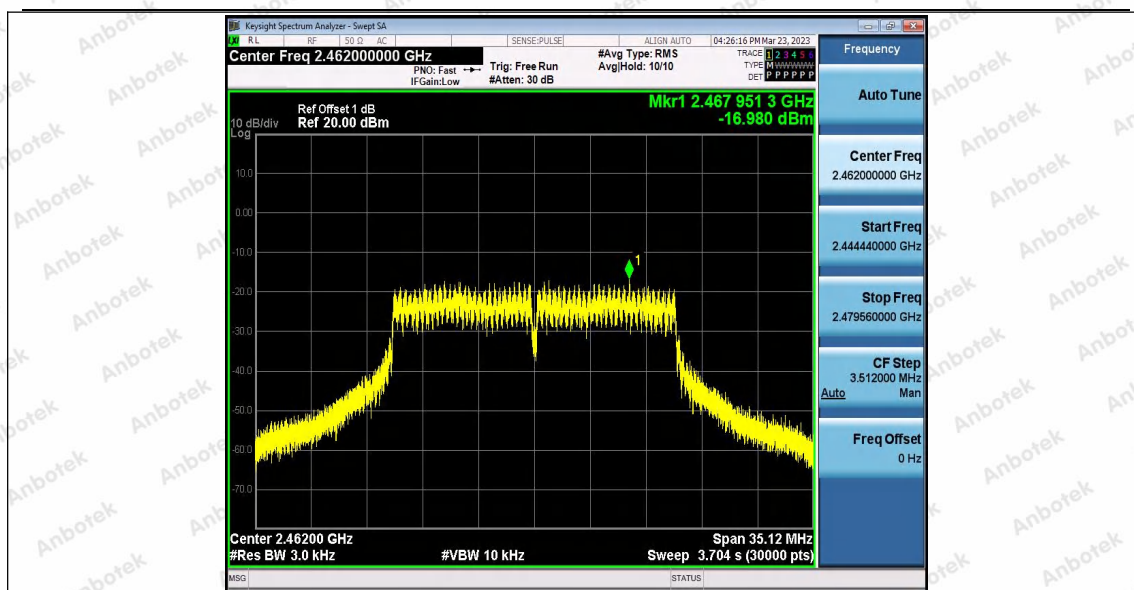
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.33	-42.49	≤-13.67	PASS
		High	2462	5.07	-56.07	≤-14.93	PASS
11G	Ant1	Low	2412	-2.98	-31.67	≤-22.98	PASS
		High	2462	-2.77	-48.47	≤-22.77	PASS
11N20SISO	Ant1	Low	2412	-2.23	-29.85	≤-22.23	PASS
		High	2462	-2.66	-48.43	≤-22.66	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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