

Appendix Test Data

Report No.:	1811C40021912502	Test Sample No.:	1-2-2
Start Test Date:	2024.9.7	Finish Test Date:	2024.9.7
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.3°C	Relative Humidity:	56%
Pressure:	101kPa		

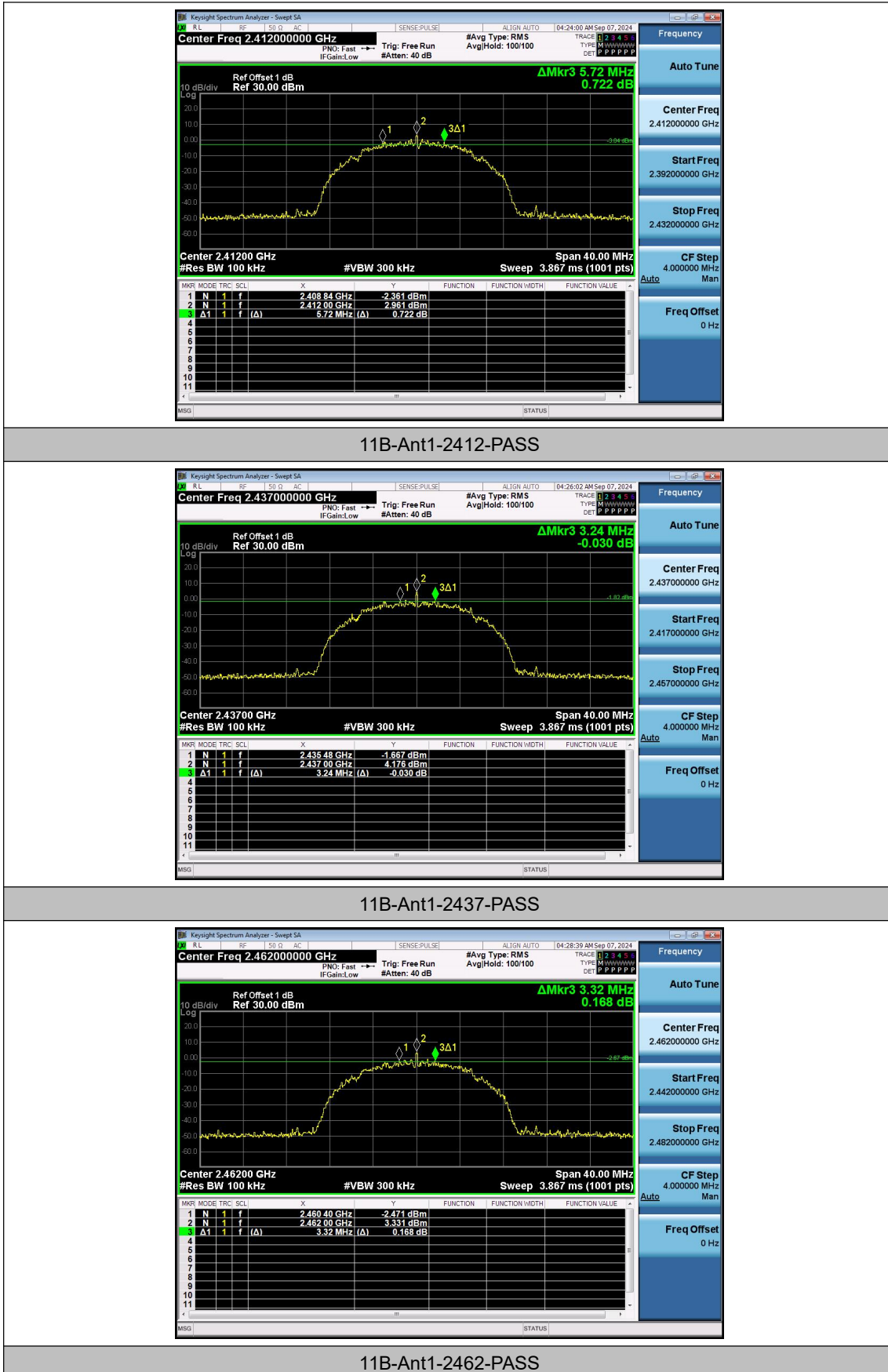
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	5.720	2408.840	2414.560	0.5	PASS
11B	Ant1	2437	3.240	2435.480	2438.720	0.5	PASS
11B	Ant1	2462	3.320	2460.400	2463.720	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
11G	Ant1	2437	16.320	2428.800	2445.120	0.5	PASS
11G	Ant1	2462	16.320	2453.800	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.200	2445.520	0.5	PASS
11N20SISO	Ant1	2462	17.560	2453.200	2470.760	0.5	PASS



Test Graphs



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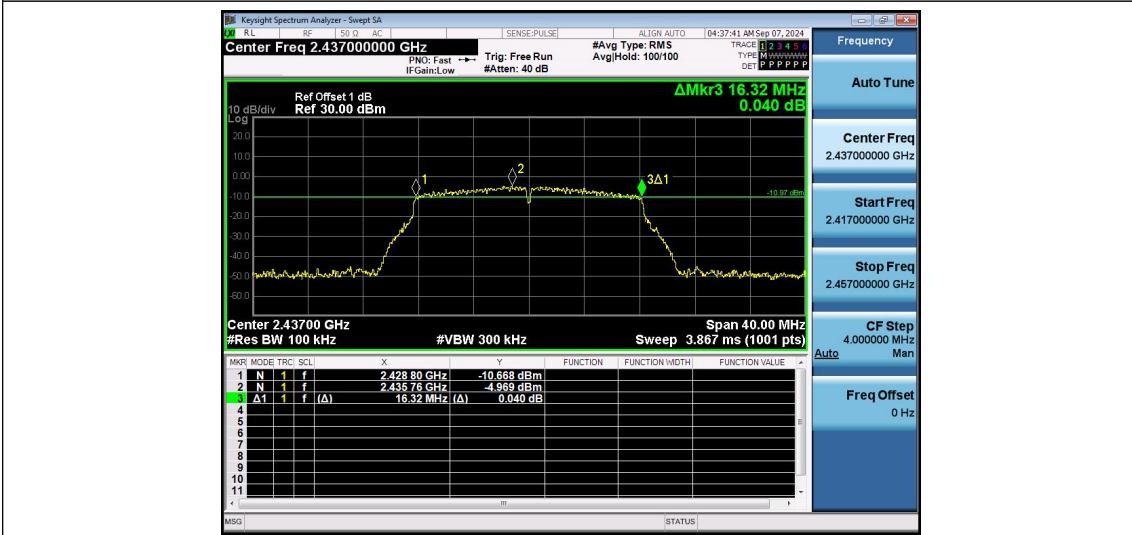
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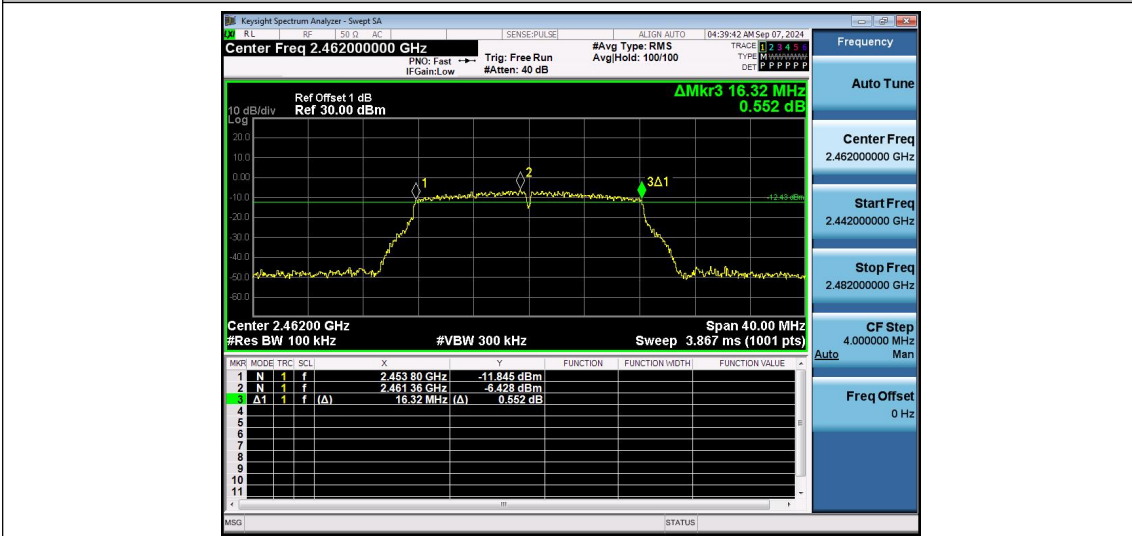




11G-Ant1-2412-PASS

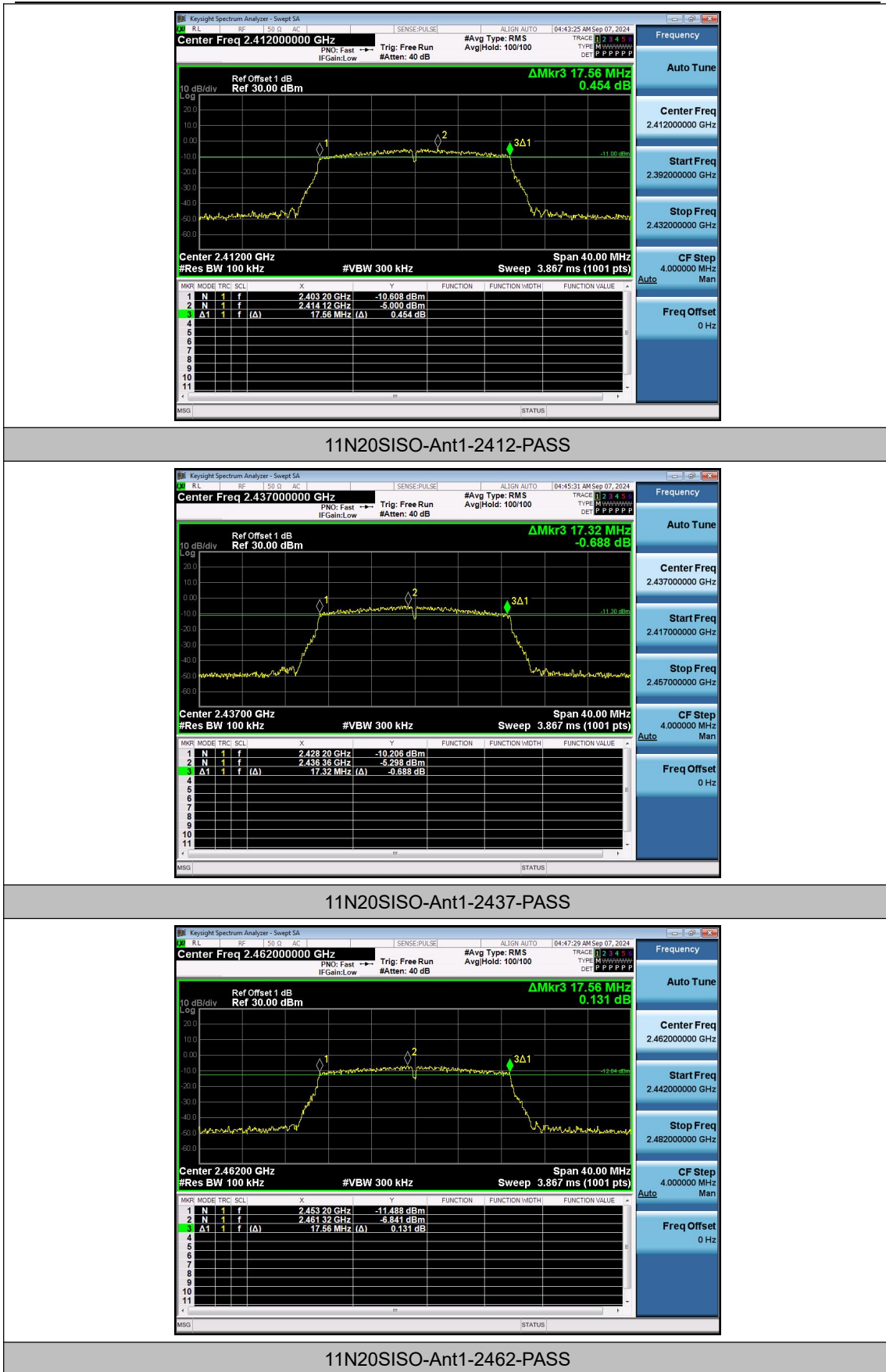


11G-Ant1-2437-PASS



11G-Ant1-2462-PASS





Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.918	2405.5259	2418.4439	---	---
11B	Ant1	2437	12.879	2430.5784	2443.4574	---	---
11B	Ant1	2462	12.865	2455.6123	2468.4773	---	---
11G	Ant1	2412	16.781	2403.6706	2420.4516	---	---
11G	Ant1	2437	16.623	2428.6449	2445.2679	---	---
11G	Ant1	2462	16.847	2453.5544	2470.4014	---	---
11N20SISO	Ant1	2412	17.776	2403.1928	2420.9688	---	---
11N20SISO	Ant1	2437	17.652	2428.1393	2445.7913	---	---
11N20SISO	Ant1	2462	17.894	2453.0239	2470.9179	---	---

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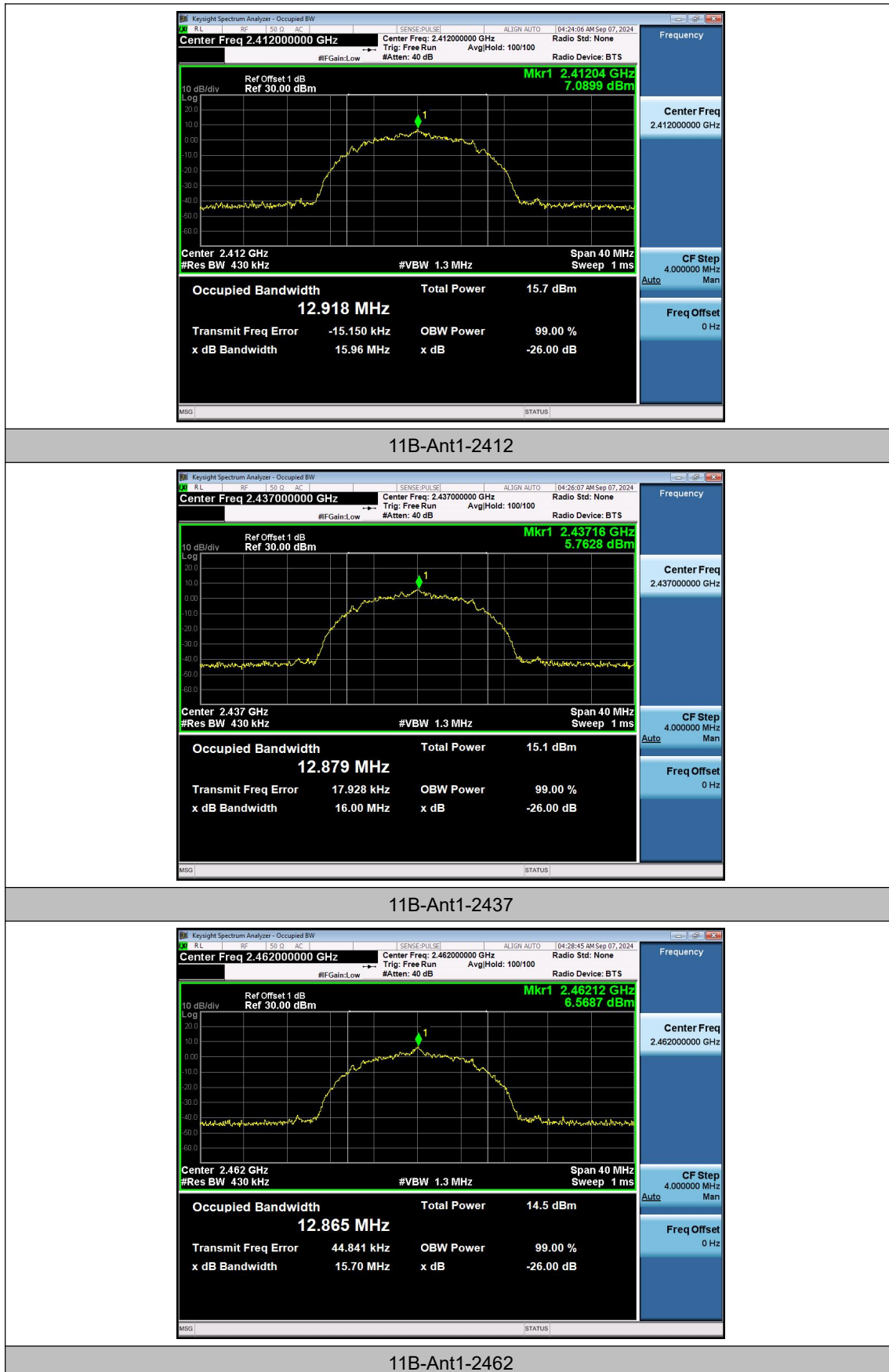
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Test Graphs

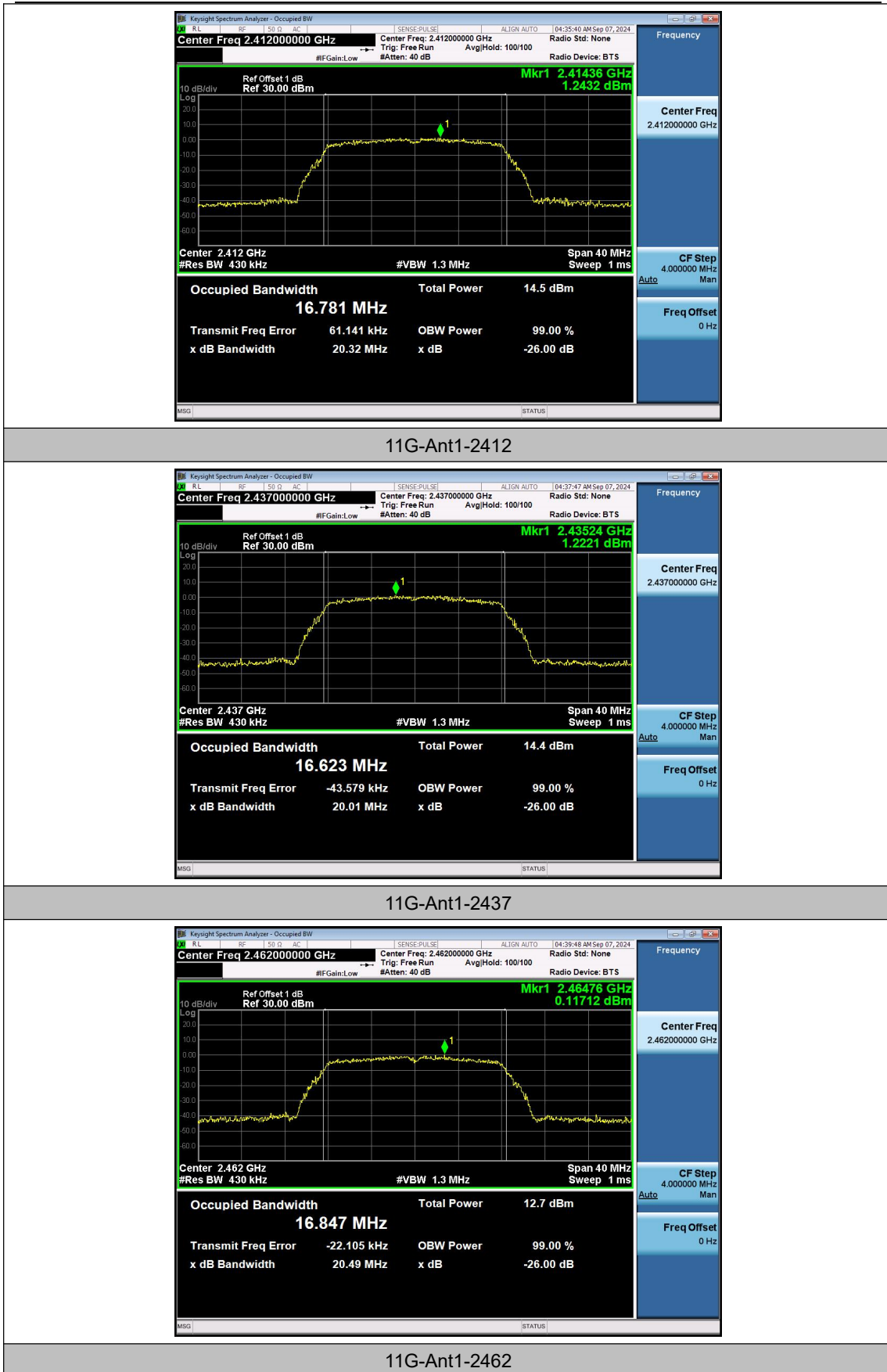


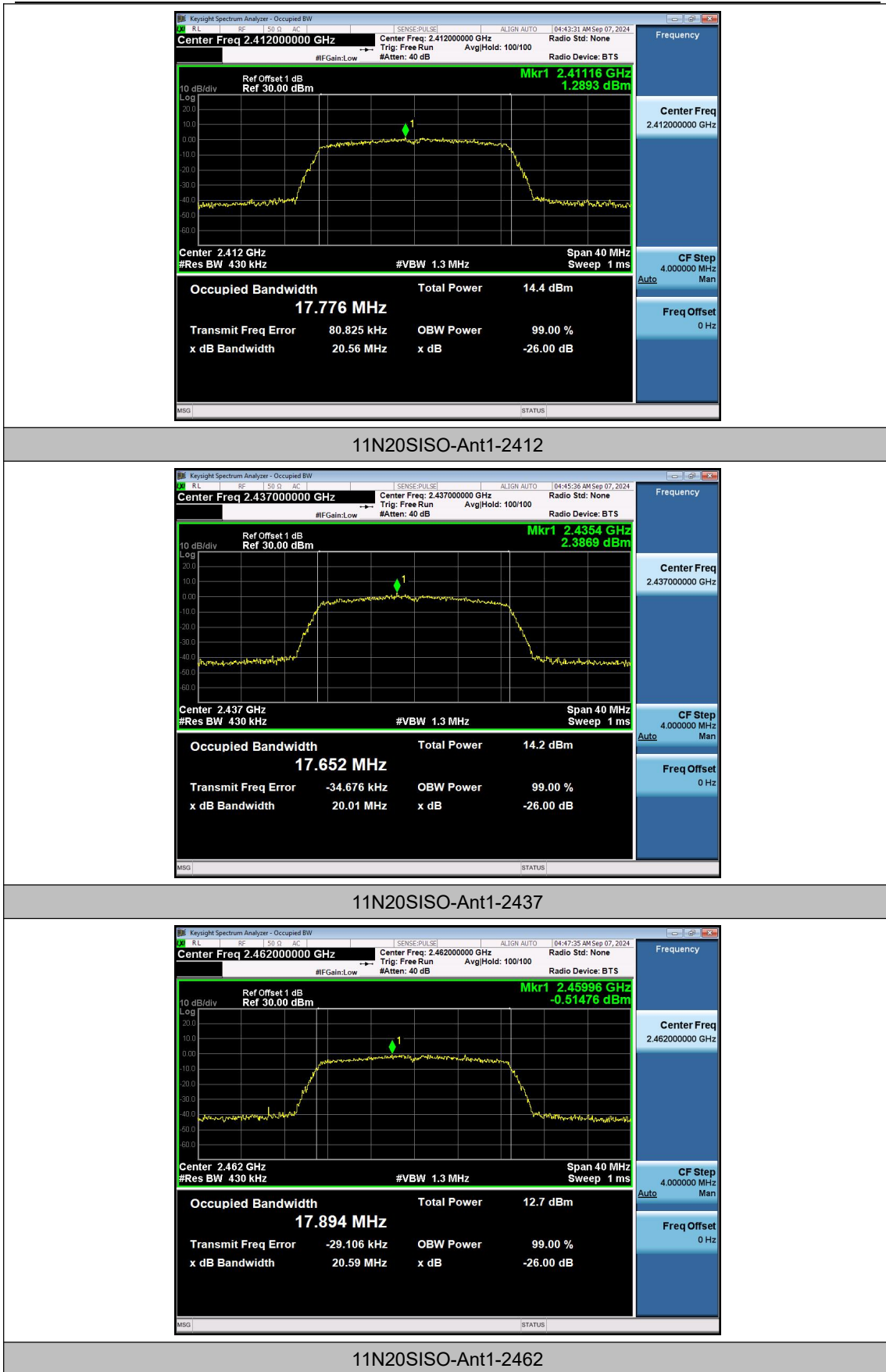
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Appendix C: Maximum conducted output power

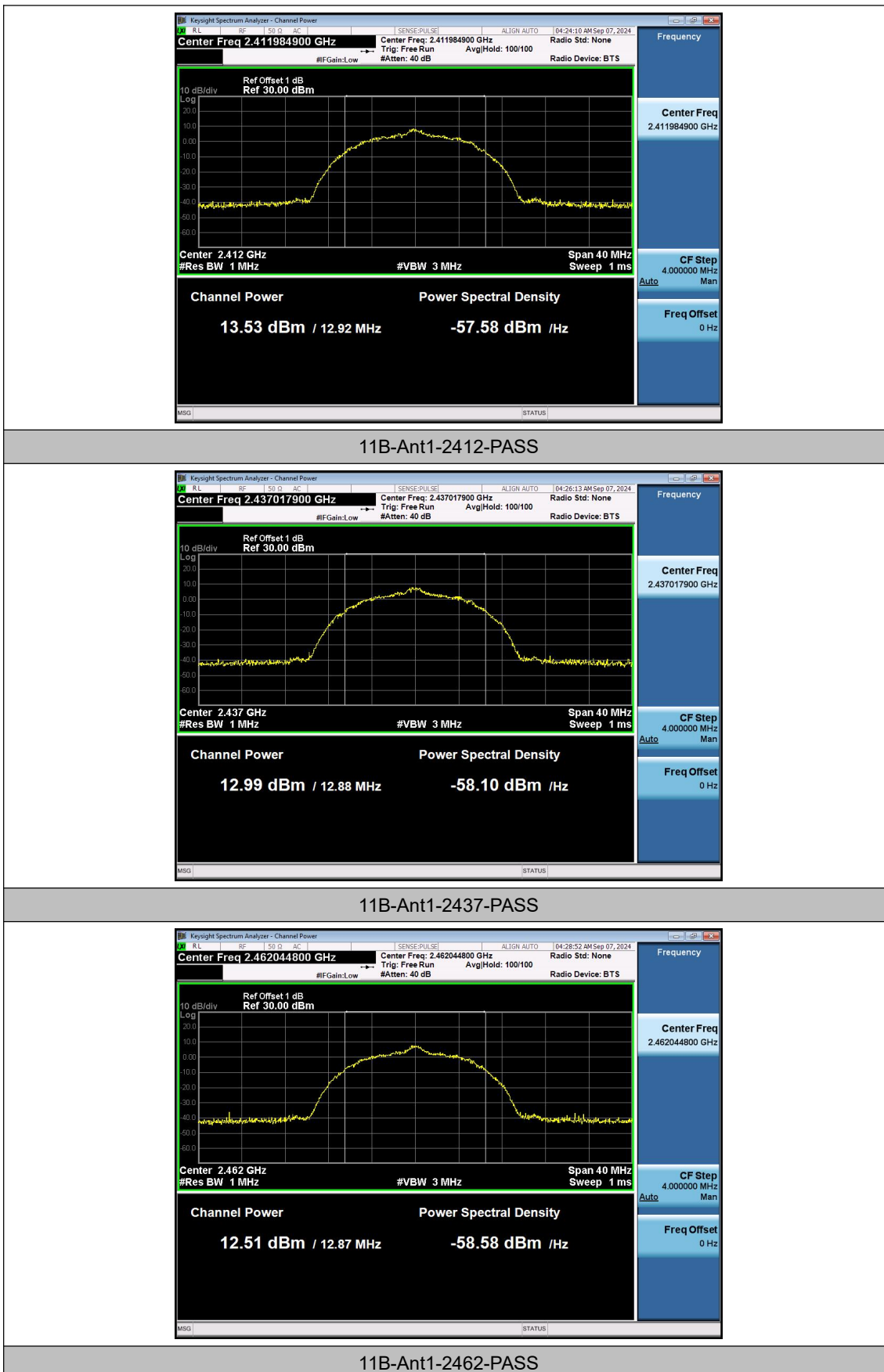
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.53	100.00	0.00	13.53	≤30.00	PASS
11B	Ant1	2437	12.99	100.00	0.00	12.99	≤30.00	PASS
11B	Ant1	2462	12.51	100.00	0.00	12.51	≤30.00	PASS
11G	Ant1	2412	12.94	100.00	0.00	12.94	≤30.00	PASS
11G	Ant1	2437	12.75	100.00	0.00	12.75	≤30.00	PASS
11G	Ant1	2462	11.16	100.00	0.00	11.16	≤30.00	PASS
11N20SISO	Ant1	2412	12.74	100.00	0.00	12.74	≤30.00	PASS
11N20SISO	Ant1	2437	12.55	100.00	0.00	12.55	≤30.00	PASS
11N20SISO	Ant1	2462	11.01	100.00	0.00	11.01	≤30.00	PASS

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



Test Graphs Average

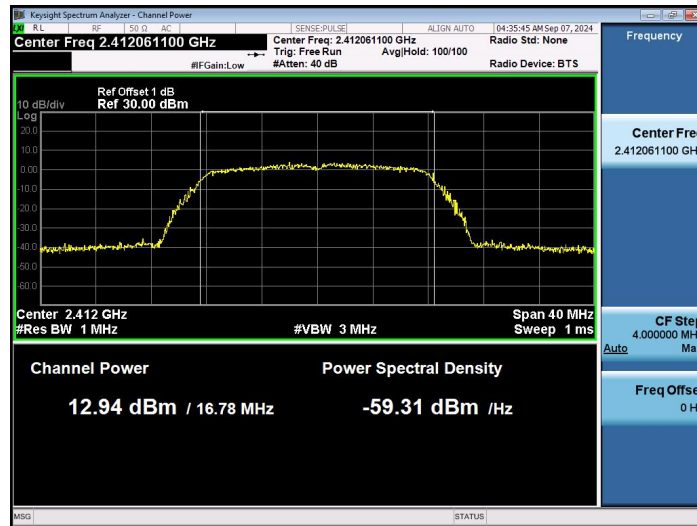


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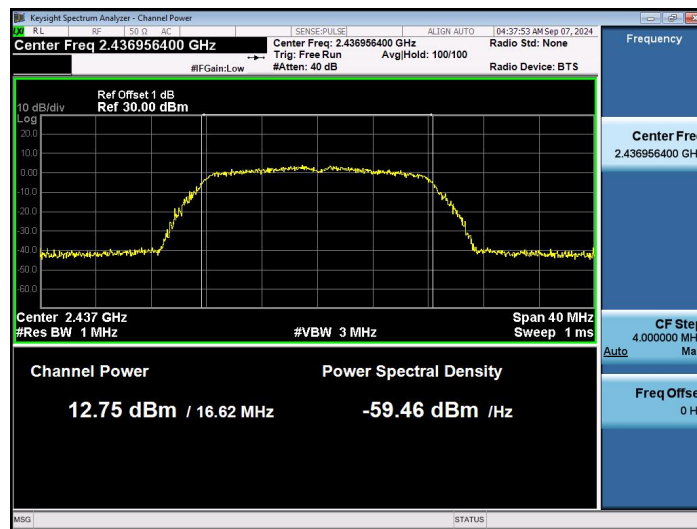
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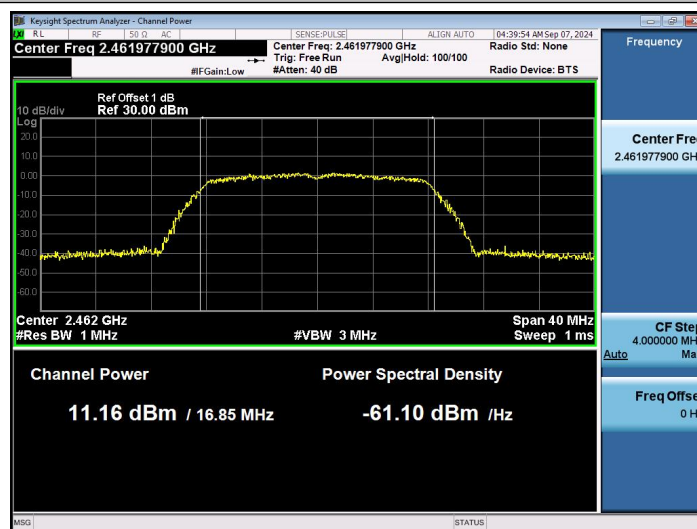




11G-Ant1-2412-PASS

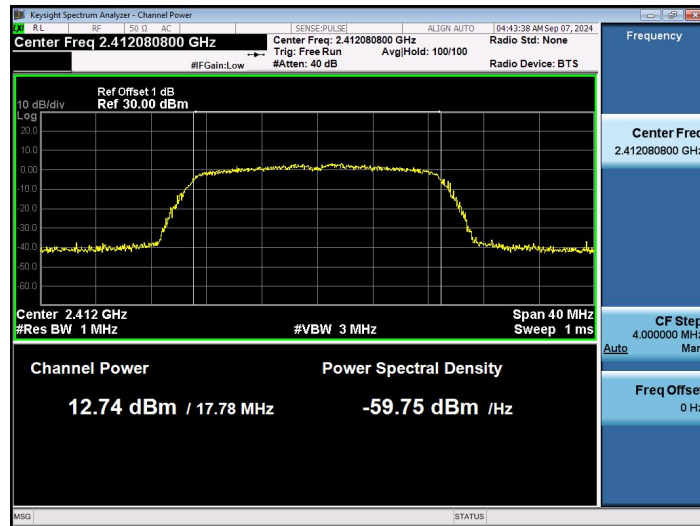


11G-Ant1-2437-PASS

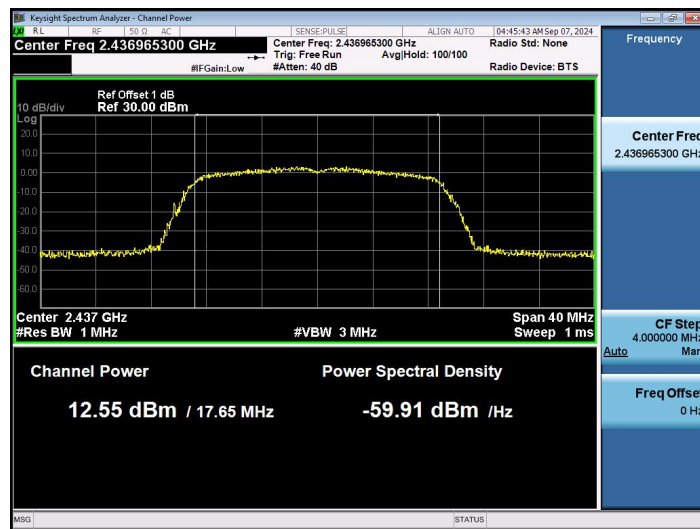


11G-Ant1-2462-PASS

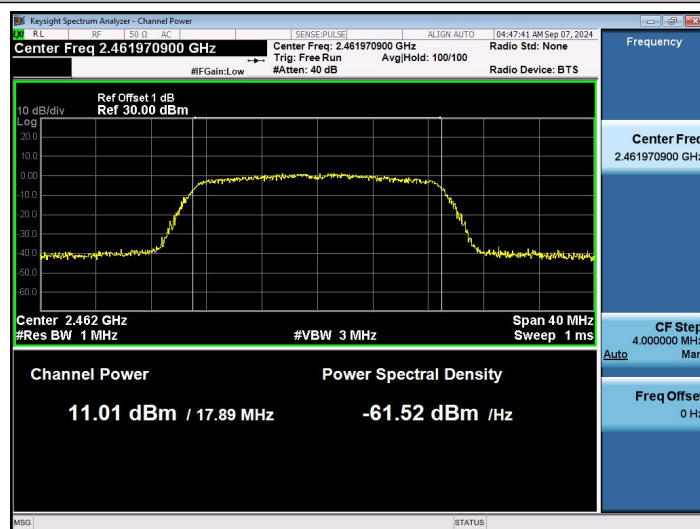




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



Appendix D: Maximum power spectral density

Test Result

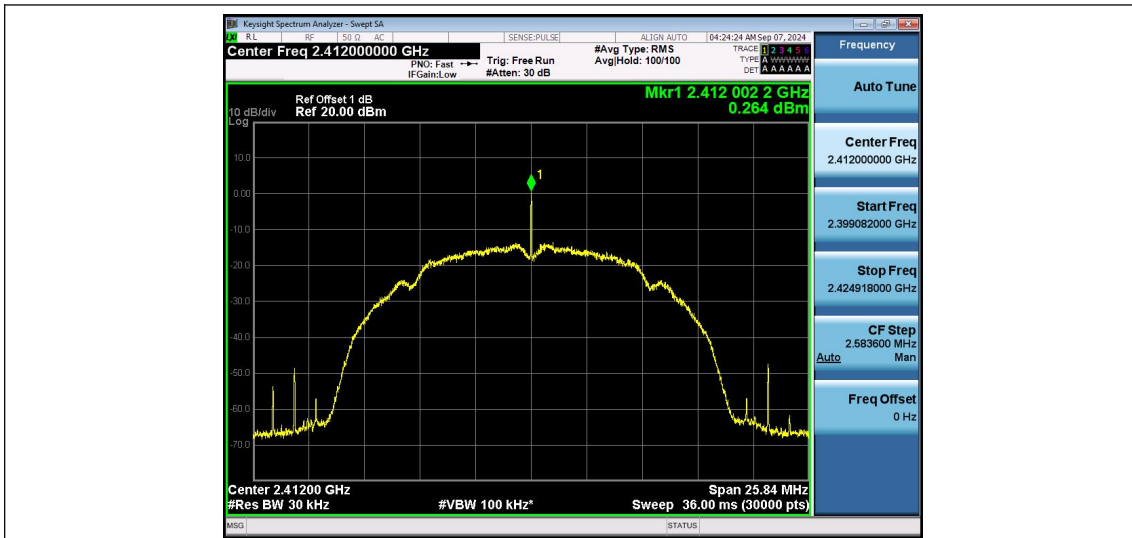
TestMode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	0.26	-9.74	≤8.00	PASS
11B	Ant1	2437	0.65	-9.35	≤8.00	PASS
11B	Ant1	2462	1.22	-8.78	≤8.00	PASS
11G	Ant1	2412	-14.99	-24.99	≤8.00	PASS
11G	Ant1	2437	-14.31	-24.31	≤8.00	PASS
11G	Ant1	2462	-16.85	-26.85	≤8.00	PASS
11N20SIS O	Ant1	2412	-15.53	-25.53	≤8.00	PASS
11N20SIS O	Ant1	2437	-15.43	-25.43	≤8.00	PASS
11N20SIS O	Ant1	2462	-17.40	-27.40	≤8.00	PASS

Note:

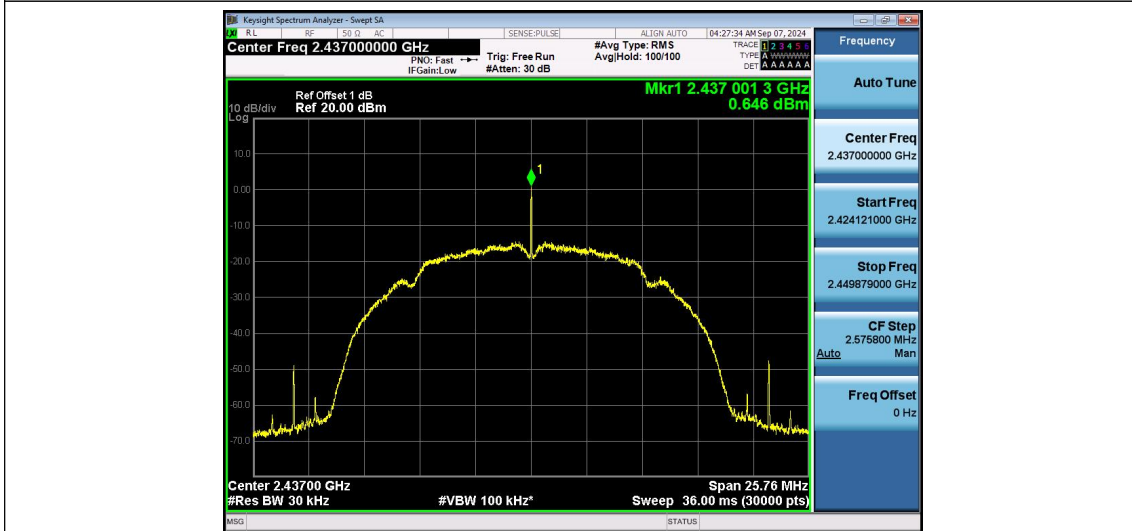
1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $\text{PSD(dBm/3kHz)} = \text{PSD(dBm/30kHz)} - (10 \cdot \log(30/3))$



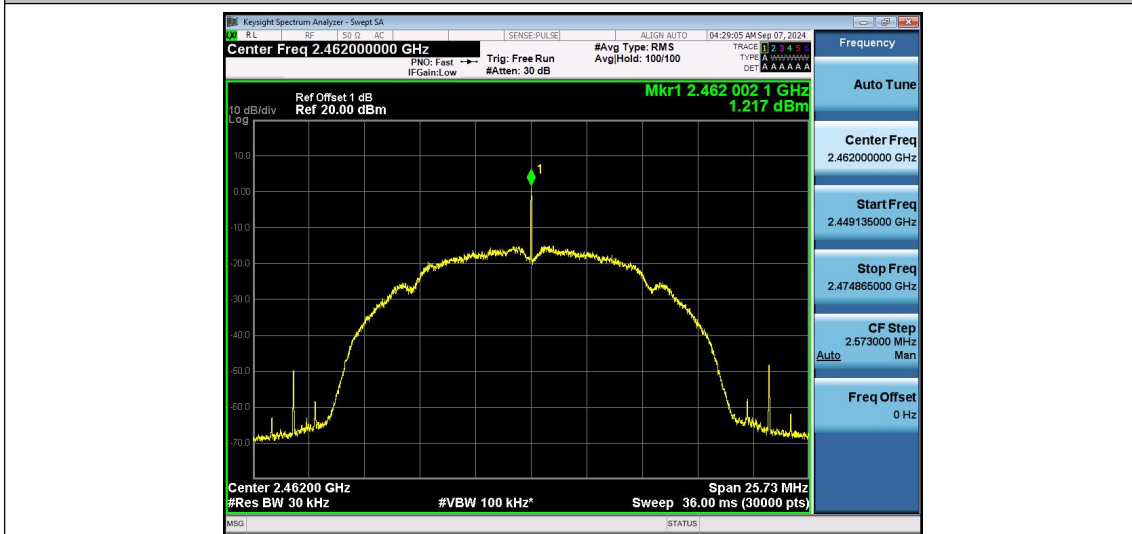
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



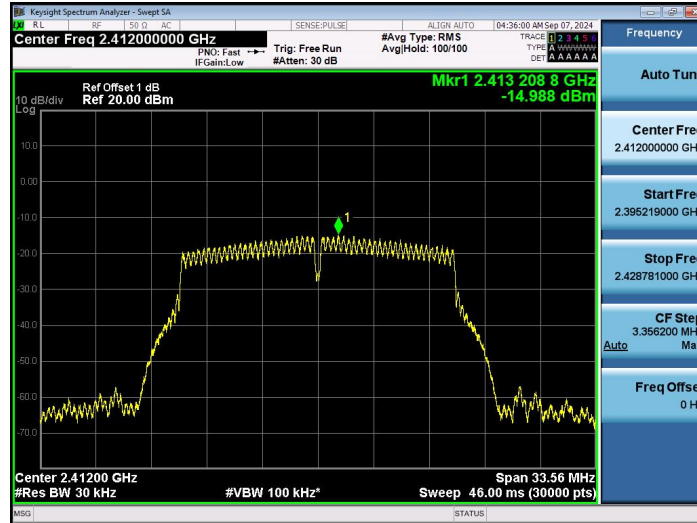
11B-Ant1-2462-PASS

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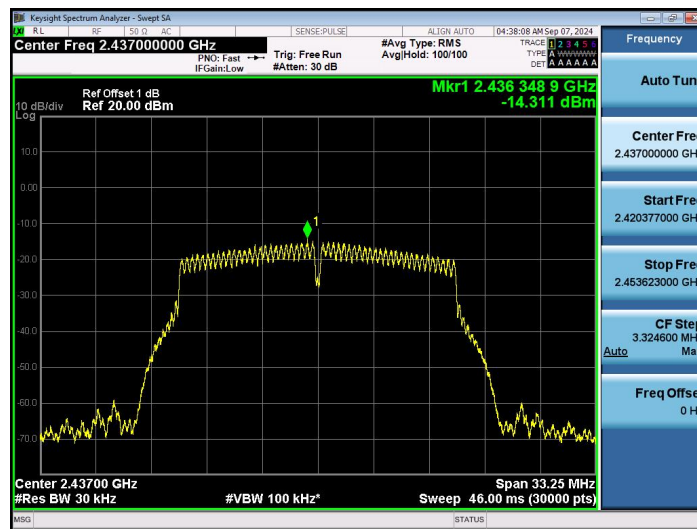
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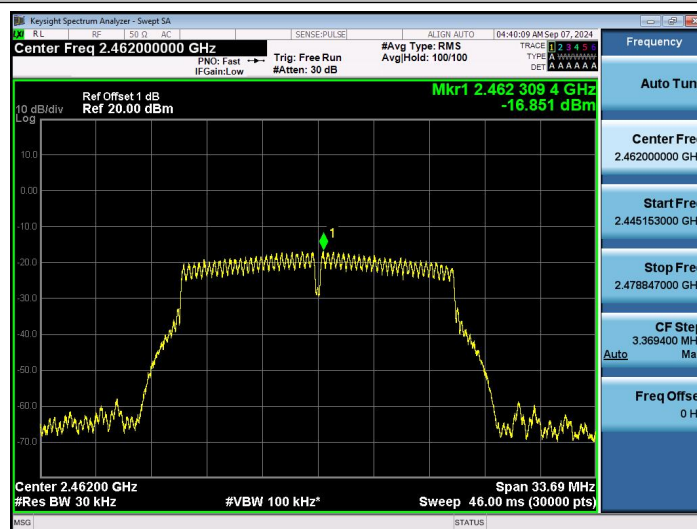




11G-Ant1-2412-PASS

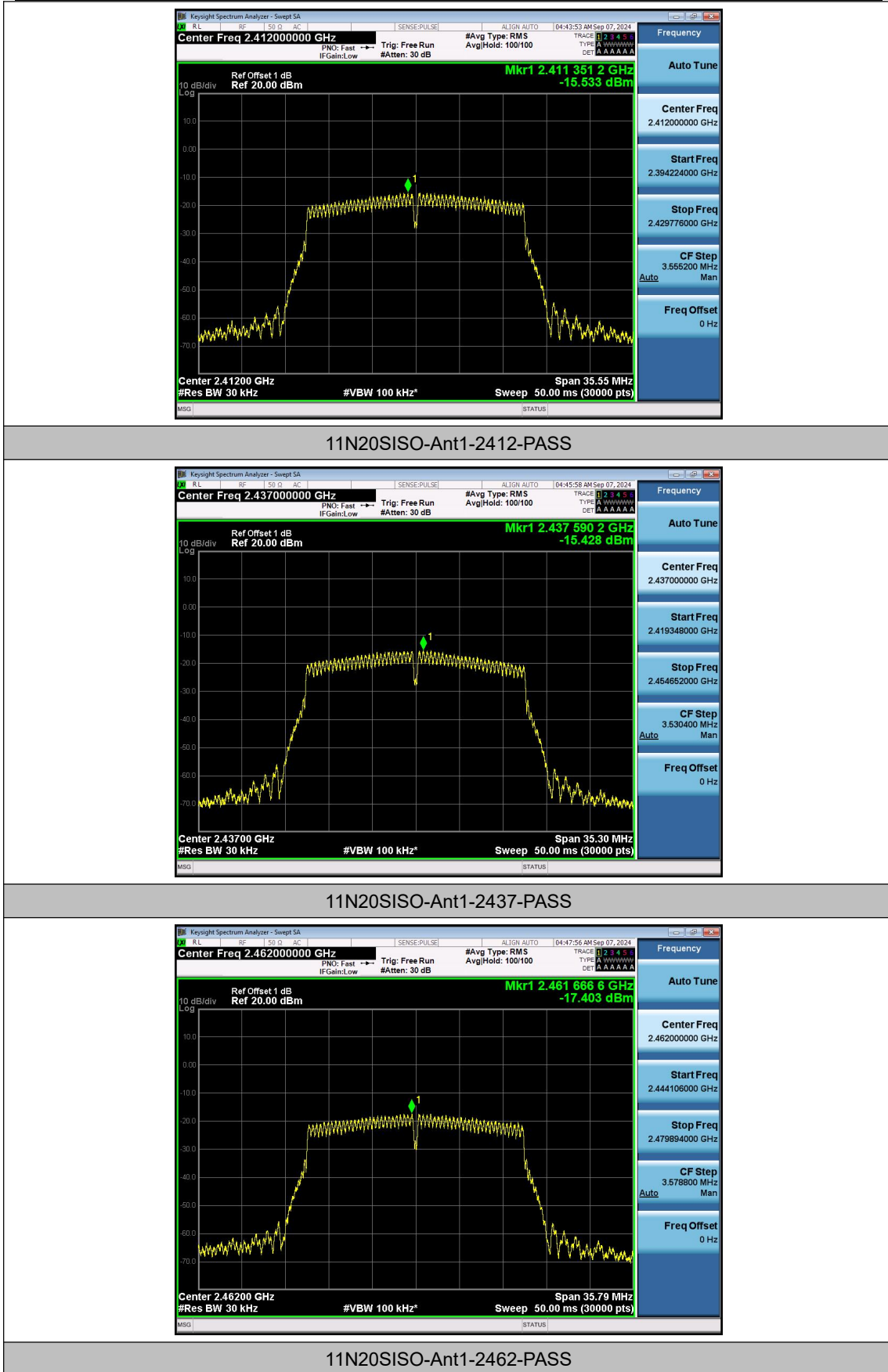


11G-Ant1-2437-PASS



11G-Ant1-2462-PASS





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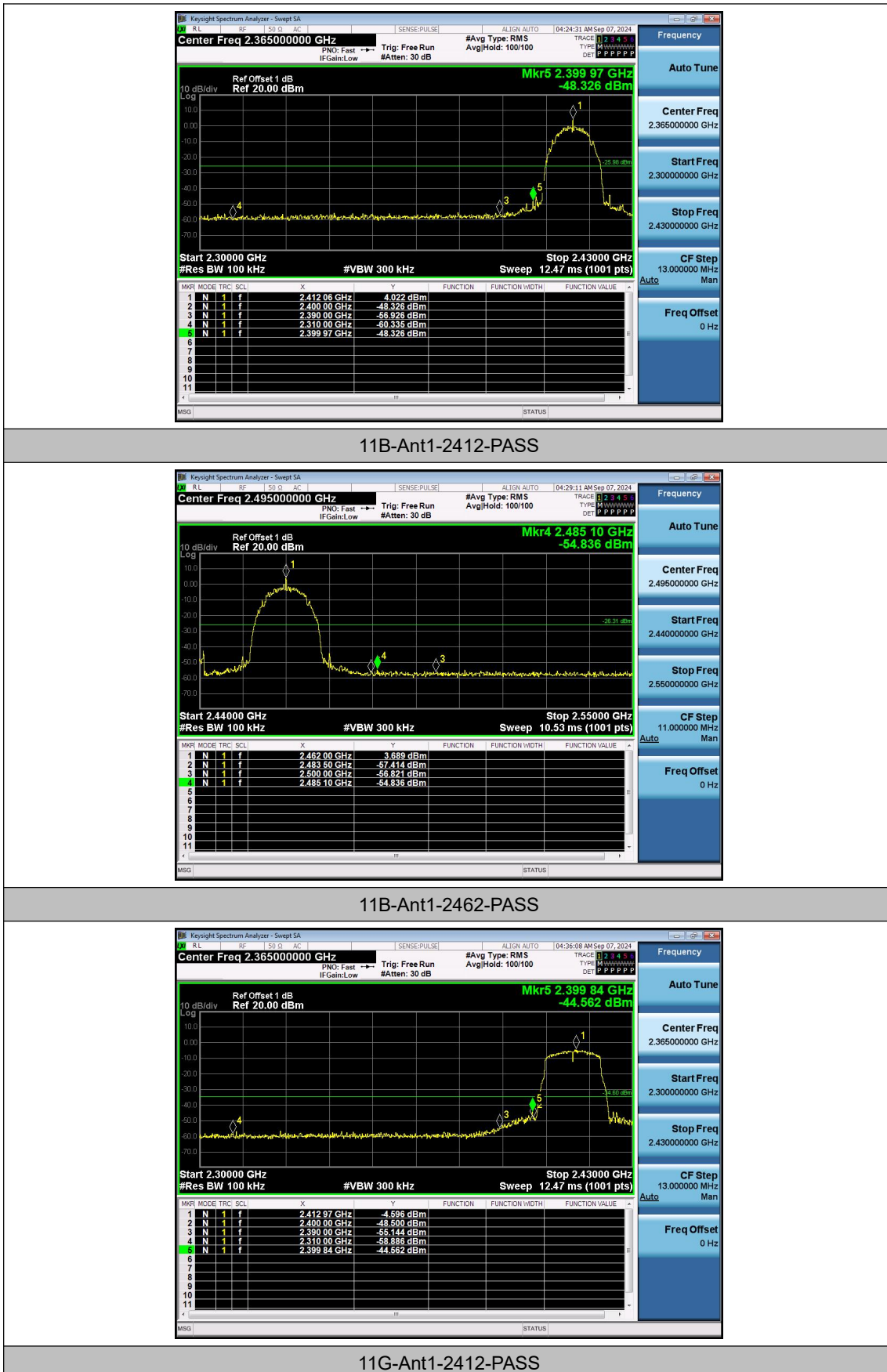
Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.02	-48.33	≤-25.98	PASS
11B	Ant1	High	2462	3.69	-54.84	≤-26.31	PASS
11G	Ant1	Low	2412	-4.60	-44.56	≤-34.6	PASS
11G	Ant1	High	2462	-6.83	-54.11	≤-36.83	PASS
11N20SISO	Ant1	Low	2412	-5.02	-47	≤-35.02	PASS
11N20SISO	Ant1	High	2462	-7.01	-55.68	≤-37.01	PASS



Test Graphs



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